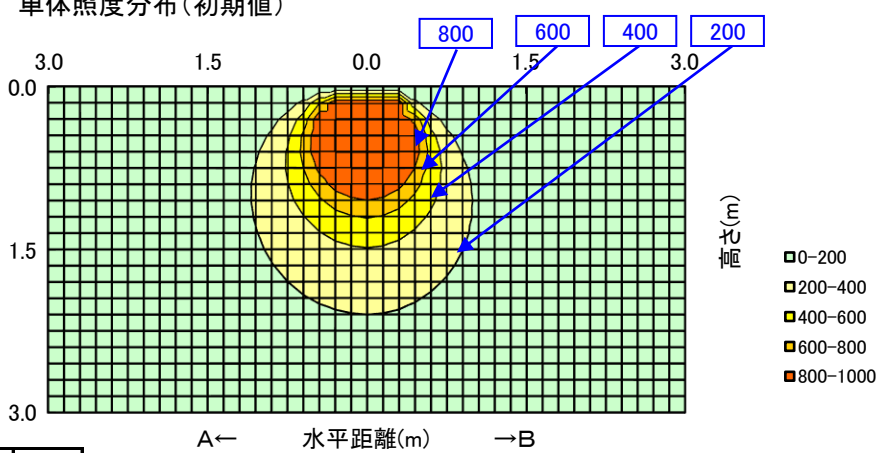
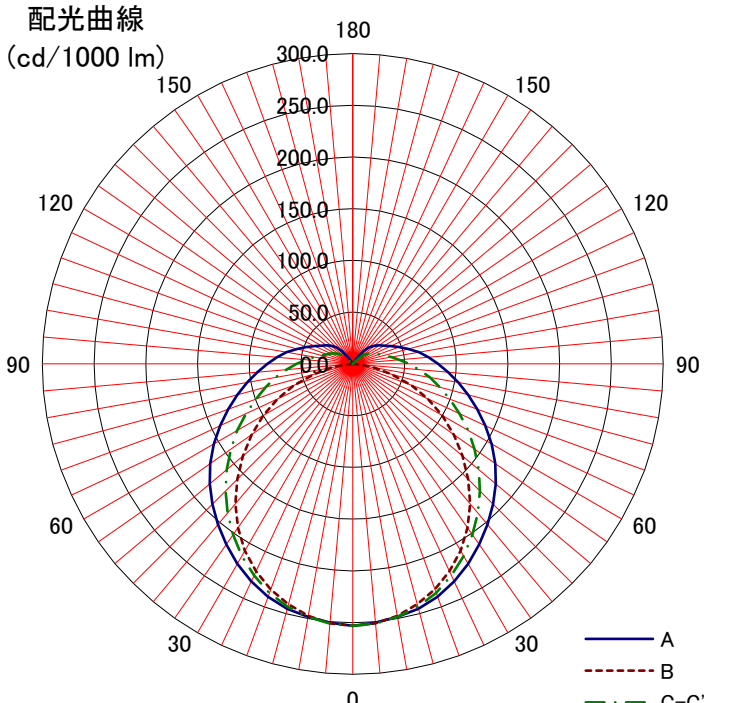


| 日立照明器具 照明特性                                                                             |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|-----------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|----|-----|-----|------|------|------|------|---|-----|-----|-----|--|--|----|-----|-----|-----|--|--|----|-----|-----|-----|--|--|----|-----|-----|-----|--|--|----|-----|-----|-----|--|--|----|-----|-----|-----|--|--|----|-----|-----|-----|--|--|----|-----|----|-----|--|--|----|-----|----|----|--|--|----|----|--|----|--|--|-----|----|--|----|--|--|-----|----|--|----|--|--|-----|----|--|----|--|--|-----|----|--|----|--|--|-----|----|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|--|--|
| 名称: 直管形LED搭載器具                                                                          | 反射率  | 天井                                                                                                                           | 80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      | 70%  |      |      |      | 50%  |      |      | 30%  |      |      | 0% |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         |      | 壁                                                                                                                            | 70%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50%  | 30%  | 70%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0% |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         |      | 床                                                                                                                            | 10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    | 0%  |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 形式: NME4103-XM14E                                                                       | 室指数  | 照明率 S/H=1.0                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| <備考>                                                                                    | 0.6  | 0.52                                                                                                                         | 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.33 | 0.50 | 0.39 | 0.32 | 0.27 | 0.37 | 0.31 | 0.26 | 0.35 | 0.30 | 0.25 | 0.23 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 0.8  | 0.61                                                                                                                         | 0.49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.41 | 0.59 | 0.48 | 0.41 | 0.35 | 0.45 | 0.39 | 0.34 | 0.43 | 0.37 | 0.33 | 0.30 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 姿図<br> | 1    | 0.67                                                                                                                         | 0.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.48 | 0.64 | 0.54 | 0.47 | 0.41 | 0.51 | 0.45 | 0.40 | 0.49 | 0.43 | 0.39 | 0.35 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 1.25 | 0.72                                                                                                                         | 0.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.55 | 0.70 | 0.60 | 0.53 | 0.48 | 0.57 | 0.51 | 0.46 | 0.54 | 0.49 | 0.44 | 0.40 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 1.5  | 0.77                                                                                                                         | 0.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.60 | 0.74 | 0.65 | 0.59 | 0.53 | 0.62 | 0.56 | 0.51 | 0.58 | 0.53 | 0.49 | 0.45 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 2    | 0.82                                                                                                                         | 0.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.67 | 0.79 | 0.72 | 0.66 | 0.61 | 0.68 | 0.63 | 0.58 | 0.64 | 0.60 | 0.56 | 0.52 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 2.5  | 0.85                                                                                                                         | 0.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.72 | 0.83 | 0.76 | 0.71 | 0.66 | 0.72 | 0.67 | 0.63 | 0.68 | 0.64 | 0.61 | 0.56 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 3    | 0.88                                                                                                                         | 0.81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.76 | 0.85 | 0.79 | 0.74 | 0.70 | 0.75 | 0.71 | 0.67 | 0.71 | 0.67 | 0.64 | 0.59 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 4    | 0.91                                                                                                                         | 0.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.81 | 0.88 | 0.83 | 0.79 | 0.75 | 0.79 | 0.75 | 0.72 | 0.75 | 0.72 | 0.69 | 0.64 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 光源                                                                                      | 4    | 0.91                                                                                                                         | 0.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.81 | 0.88 | 0.83 | 0.79 | 0.75 | 0.79 | 0.75 | 0.72 | 0.75 | 0.72 | 0.69 | 0.64 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 品名 直管形LEDランプ                                                                            | 5    | 0.93                                                                                                                         | 0.89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.85 | 0.90 | 0.86 | 0.83 | 0.79 | 0.82 | 0.79 | 0.76 | 0.77 | 0.75 | 0.73 | 0.67 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 形式 LDK40SS・D/22/34NE                                                                    | 7    | 0.96                                                                                                                         | 0.92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.89 | 0.93 | 0.90 | 0.87 | 0.84 | 0.85 | 0.83 | 0.81 | 0.81 | 0.79 | 0.77 | 0.71 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 光束 3,490 lm                                                                             | 10   | 0.98                                                                                                                         | 0.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.93 | 0.95 | 0.93 | 0.91 | 0.89 | 0.88 | 0.87 | 0.85 | 0.84 | 0.83 | 0.81 | 0.75 |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 器具効率 Ft= 96.9%                                                                          |      | <div>単体照度分布(初期値)</div>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 上方光束 Fu= 12.1%                                                                          |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 下方光束 Fd= 84.9%                                                                          |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 最大取付間隔                                                                                  |      | <div>配光曲線</div> <div>(cd/1000 lm)</div>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| A-A 1.32 H                                                                              |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| B-B 1.24 H                                                                              |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 保守率                                                                                     | 良    | 0.88                                                                                                                         | <table><tr><th></th><th>A-0</th><th>B-B</th><th>C-0</th><th>A'-0</th><th>C'-0</th></tr><tr><td>0</td><td>253</td><td>253</td><td>253</td><td></td><td></td></tr><tr><td>10</td><td>248</td><td>247</td><td>248</td><td></td><td></td></tr><tr><td>20</td><td>240</td><td>232</td><td>236</td><td></td><td></td></tr><tr><td>30</td><td>223</td><td>209</td><td>214</td><td></td><td></td></tr><tr><td>40</td><td>203</td><td>177</td><td>188</td><td></td><td></td></tr><tr><td>50</td><td>180</td><td>139</td><td>159</td><td></td><td></td></tr><tr><td>60</td><td>155</td><td>100</td><td>129</td><td></td><td></td></tr><tr><td>70</td><td>128</td><td>60</td><td>100</td><td></td><td></td></tr><tr><td>80</td><td>104</td><td>21</td><td>76</td><td></td><td></td></tr><tr><td>90</td><td>82</td><td></td><td>54</td><td></td><td></td></tr><tr><td>100</td><td>65</td><td></td><td>38</td><td></td><td></td></tr><tr><td>110</td><td>48</td><td></td><td>27</td><td></td><td></td></tr><tr><td>120</td><td>35</td><td></td><td>20</td><td></td><td></td></tr><tr><td>130</td><td>27</td><td></td><td>13</td><td></td><td></td></tr><tr><td>140</td><td>17</td><td></td><td></td><td></td><td></td></tr><tr><td>150</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>160</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>170</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>180</td><td></td><td></td><td></td><td></td><td></td></tr></table> |      |      |      |      |      |      |      |      |      |      |      |      |    |     | A-0 | B-B  | C-0  | A'-0 | C'-0 | 0 | 253 | 253 | 253 |  |  | 10 | 248 | 247 | 248 |  |  | 20 | 240 | 232 | 236 |  |  | 30 | 223 | 209 | 214 |  |  | 40 | 203 | 177 | 188 |  |  | 50 | 180 | 139 | 159 |  |  | 60 | 155 | 100 | 129 |  |  | 70 | 128 | 60 | 100 |  |  | 80 | 104 | 21 | 76 |  |  | 90 | 82 |  | 54 |  |  | 100 | 65 |  | 38 |  |  | 110 | 48 |  | 27 |  |  | 120 | 35 |  | 20 |  |  | 130 | 27 |  | 13 |  |  | 140 | 17 |  |  |  |  | 150 |  |  |  |  |  | 160 |  |  |  |  |  | 170 |  |  |  |  |  | 180 |  |  |  |  |  |
|                                                                                         |      | A-0                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    | B-B | C-0 | A'-0 | C'-0 |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 0    | 253                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    | 253 | 253 |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
|                                                                                         | 10   | 248                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    | 247 | 248 |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 20                                                                                      | 240  | 232                                                                                                                          | 236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 30                                                                                      | 223  | 209                                                                                                                          | 214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 40                                                                                      | 203  | 177                                                                                                                          | 188                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 50                                                                                      | 180  | 139                                                                                                                          | 159                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 60                                                                                      | 155  | 100                                                                                                                          | 129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 70                                                                                      | 128  | 60                                                                                                                           | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 80                                                                                      | 104  | 21                                                                                                                           | 76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 90                                                                                      | 82   |                                                                                                                              | 54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 100                                                                                     | 65   |                                                                                                                              | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 110                                                                                     | 48   |                                                                                                                              | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 120                                                                                     | 35   |                                                                                                                              | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 130                                                                                     | 27   |                                                                                                                              | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 140                                                                                     | 17   |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 150                                                                                     |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 160                                                                                     |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 170                                                                                     |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 180                                                                                     |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 中                                                                                       | 0.86 |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 否                                                                                       | 0.81 |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |
| 光度 (cd/1000 lm)                                                                         |      |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |      |      |      |      |   |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |     |     |  |  |    |     |    |     |  |  |    |     |    |    |  |  |    |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |    |  |  |     |    |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |     |  |  |  |  |  |