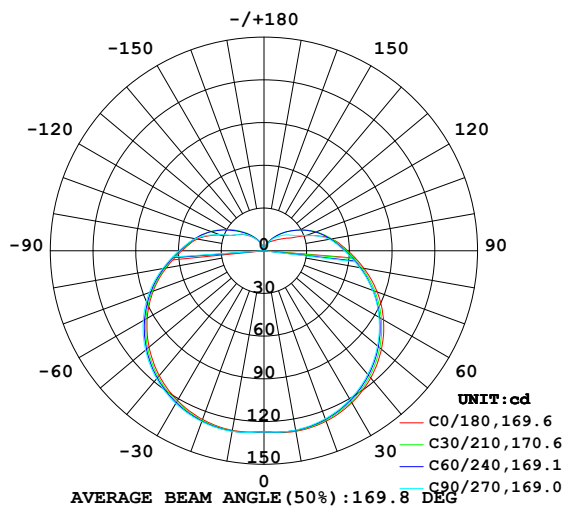


LUMINAIRE PHOTOMETRIC TEST REPORT

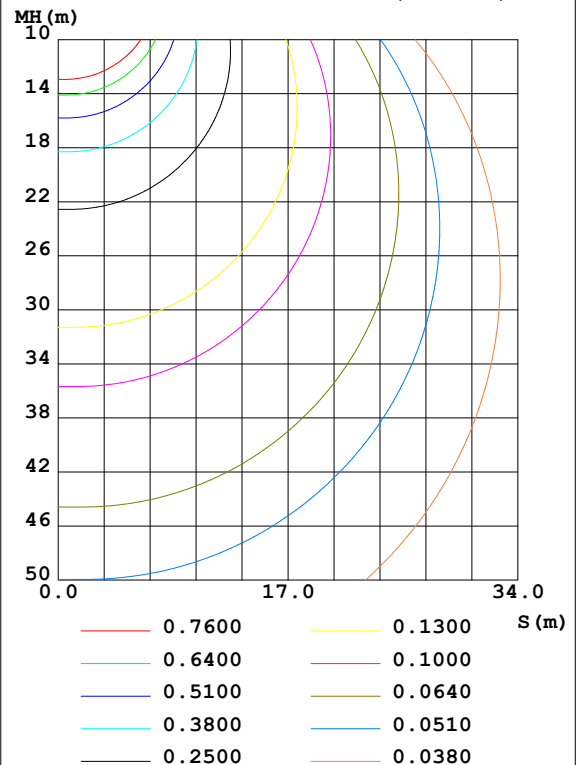
| | | |
|--|-----------------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: Φ 140*70mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 105.12 lm/W | | | |
|-------------------|-------------|-----------------------------------|---------|-------------------------|-----------|
| MODEL | DLP-FM-8W-B | I _{max} (cd) | 130.2 | S/MH (C0/180) | 1.43 |
| NOMINAL POWER (W) | 8 | LOR (%) | 100.0 | S/MH (C90/270) | 1.46 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 786.30 | η UP,DN (C0-180) | 11.2,38.2 |
| NOMINAL FLUX (lm) | 786.298 | CIE CLASS | SEMI-D. | η UP,DN (C180-360) | 11.5,39.1 |
| LAMPS INSIDE | 1 | η up (%) | 22.8 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 120 | η down (%) | 77.2 | CIBSE SHR MAX | 1.55 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|------------|
| 10 | 128.7 | 128.2 | 127.8 | 127.8 | 128.0 | 128.5 | 128.7 | 128.9 | 0- 10 | 12.23 | 12.23 | 1.58,1.58 |
| 20 | 127.4 | 126.4 | 125.6 | 125.5 | 126.1 | 127.1 | 127.7 | 128.0 | 10- 20 | 36.19 | 48.42 | 6.27,6.27 |
| 30 | 123.3 | 121.8 | 120.7 | 120.5 | 121.5 | 122.8 | 123.8 | 124.1 | 20- 30 | 57.66 | 106.1 | 13.7,13.7 |
| 40 | 116.6 | 114.8 | 113.4 | 113.2 | 114.5 | 116.0 | 117.3 | 117.6 | 30- 40 | 74.70 | 180.8 | 23.4,23.4 |
| 50 | 107.7 | 105.5 | 104.1 | 103.8 | 105.3 | 107.0 | 108.6 | 108.7 | 40- 50 | 85.89 | 266.7 | 34.5,34.5 |
| 60 | 96.93 | 94.48 | 93.28 | 92.87 | 94.72 | 96.13 | 97.92 | 97.80 | 50- 60 | 90.55 | 357.2 | 46.2,46.2 |
| 70 | 84.58 | 82.20 | 81.24 | 80.82 | 82.77 | 83.86 | 85.75 | 85.44 | 60- 70 | 88.75 | 446.0 | 57.7,57.7 |
| 80 | 71.22 | 69.38 | 68.22 | 68.26 | 69.77 | 70.98 | 72.34 | 72.32 | 70- 80 | 81.24 | 527.2 | 68.2,68.2 |
| 90 | 58.89 | 57.55 | 56.45 | 56.66 | 57.76 | 58.75 | 59.69 | 59.85 | 80- 90 | 69.89 | 597.1 | 77.3,77.3 |
| 100 | 48.11 | 47.97 | 46.60 | 47.30 | 47.67 | 48.93 | 49.09 | 49.71 | 90-100 | 58.00 | 655.1 | 84.8,84.8 |
| 110 | 31.01 | 39.26 | 32.07 | 38.74 | 32.55 | 40.07 | 33.36 | 40.29 | 100-110 | 44.66 | 699.8 | 90.6,90.6 |
| 120 | 17.63 | 30.86 | 22.05 | 30.25 | 22.55 | 31.34 | 22.76 | 30.69 | 110-120 | 30.49 | 730.3 | 94.5,94.5 |
| 130 | 12.10 | 22.52 | 16.90 | 21.76 | 17.53 | 22.70 | 17.98 | 22.05 | 120-130 | 20.08 | 750.3 | 97.1,97.1 |
| 140 | 8.975 | 15.00 | 11.98 | 14.20 | 12.61 | 14.97 | 12.80 | 14.68 | 130-140 | 12.25 | 762.6 | 98.7,98.7 |
| 150 | 6.989 | 8.861 | 7.634 | 8.221 | 8.213 | 8.718 | 8.024 | 7.260 | 140-150 | 6.573 | 769.2 | 99.6,99.6 |
| 160 | 3.966 | 4.298 | 4.006 | 3.758 | 4.166 | 4.044 | 3.954 | 3.209 | 150-160 | 2.776 | 771.9 | 99.9,99.9 |
| 170 | 0.8597 | 0.9093 | 0.6750 | 0.2764 | 0.2586 | 0.1778 | 0.5951 | 0.4162 | 160-170 | 0.6693 | 772.6 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0.0101 | 772.6 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 222.73 lm

%lum = 28.8%

%lamp = 28.8%

Conical surface Flux(120deg): 357.22 lm

%lum = 46.2%

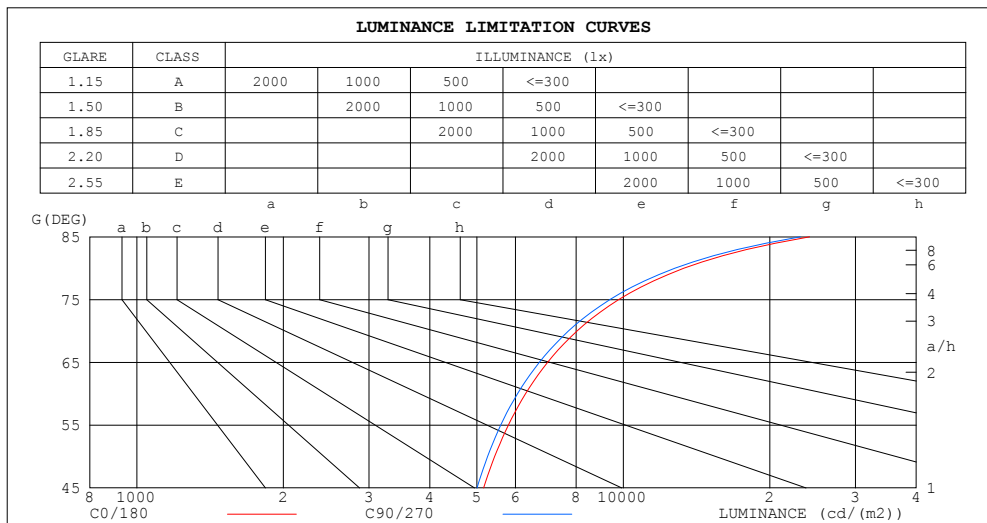
%lamp = 46.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Qin Meng
 Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:7.390m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-----------------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: ϕ 140*70mm | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 24136 | 23107 |
| 80 | 13322 | 12760 |
| 75 | 9783 | 9382 |
| 70 | 8032 | 7715 |
| 65 | 6989 | 6720 |
| 60 | 6296 | 6059 |
| 55 | 5803 | 5596 |
| 50 | 5440 | 5260 |
| 45 | 5162 | 5004 |

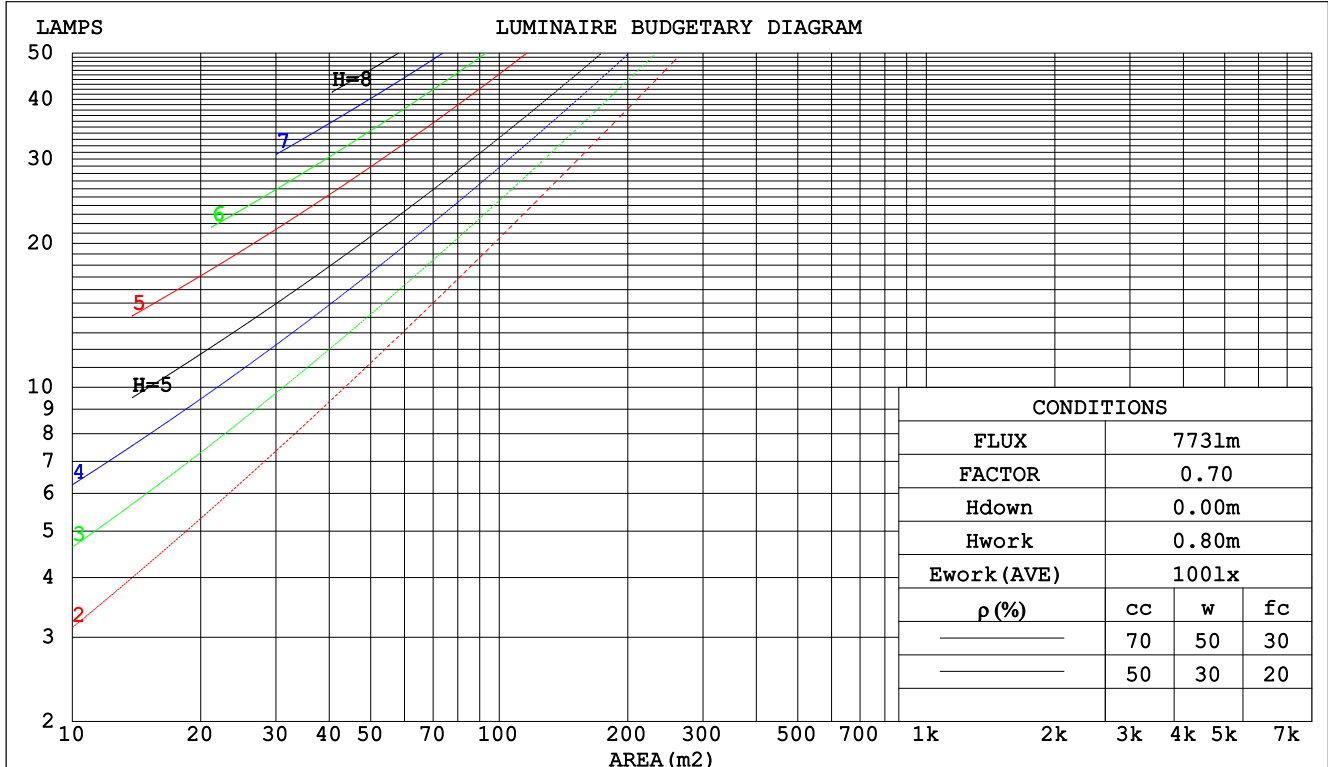
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-----------------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: ϕ 140*70mm | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.14 | 1.14 | 1.14 | 1.08 | 1.08 | 1.08 | .98 | .98 | .98 | .89 | .89 | .89 | .81 | .81 | .81 | .77 |
| 1.0 | .93 | .88 | .82 | .89 | .84 | .79 | .80 | .76 | .72 | .72 | .69 | .66 | .65 | .62 | .60 | .56 |
| 2.0 | .79 | .71 | .64 | .75 | .68 | .61 | .68 | .62 | .57 | .61 | .56 | .52 | .55 | .51 | .47 | .44 |
| 3.0 | .68 | .59 | .51 | .65 | .56 | .49 | .59 | .51 | .46 | .53 | .47 | .42 | .47 | .43 | .39 | .35 |
| 4.0 | .60 | .50 | .42 | .57 | .48 | .41 | .51 | .44 | .38 | .46 | .40 | .35 | .41 | .36 | .32 | .29 |
| 5.0 | .53 | .43 | .36 | .50 | .41 | .35 | .45 | .38 | .32 | .41 | .35 | .30 | .37 | .32 | .27 | .24 |
| 6.0 | .47 | .38 | .31 | .45 | .36 | .30 | .41 | .33 | .28 | .37 | .30 | .26 | .33 | .28 | .24 | .21 |
| 7.0 | .42 | .33 | .27 | .40 | .32 | .26 | .37 | .29 | .24 | .33 | .27 | .22 | .30 | .25 | .21 | .18 |
| 8.0 | .38 | .30 | .23 | .37 | .28 | .23 | .33 | .26 | .21 | .30 | .24 | .20 | .28 | .22 | .18 | .16 |
| 9.0 | .35 | .27 | .21 | .34 | .26 | .20 | .31 | .24 | .19 | .28 | .22 | .18 | .25 | .20 | .16 | .14 |
| 10.0 | .32 | .24 | .19 | .31 | .23 | .18 | .28 | .22 | .17 | .26 | .20 | .16 | .24 | .18 | .15 | .13 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | |
|--|--|----------------|--|------------------|--|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | | | | |
| NAME: | | TYPE: | | WEIGHT: | |
| SPEC.:5000K | | DIM.: | | SERIAL No.: | |
| MFR.: | | SUR.:Φ140*70mm | | Shielding Angle: | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .410 | .233 | .074 | .395 | .226 | .072 | .369 | .212 | .068 | .344 | .199 | .064 | .322 | .187 | .060 | |
| 2.0 | .348 | .191 | .059 | .335 | .185 | .057 | .311 | .173 | .054 | .289 | .162 | .051 | .268 | .152 | .048 | |
| 3.0 | .306 | .163 | .049 | .295 | .158 | .047 | .273 | .148 | .045 | .252 | .138 | .042 | .234 | .129 | .040 | |
| 4.0 | .274 | .142 | .042 | .263 | .138 | .041 | .243 | .129 | .039 | .225 | .121 | .036 | .208 | .113 | .034 | |
| 5.0 | .248 | .126 | .037 | .238 | .122 | .036 | .220 | .114 | .034 | .203 | .107 | .032 | .187 | .100 | .030 | |
| 6.0 | .226 | .113 | .032 | .217 | .110 | .032 | .201 | .103 | .030 | .185 | .096 | .028 | .171 | .090 | .027 | |
| 7.0 | .208 | .103 | .029 | .200 | .100 | .028 | .185 | .093 | .027 | .170 | .087 | .025 | .157 | .082 | .024 | |
| 8.0 | .192 | .094 | .026 | .185 | .091 | .026 | .171 | .085 | .024 | .158 | .080 | .023 | .145 | .075 | .022 | |
| 9.0 | .179 | .087 | .024 | .172 | .084 | .024 | .159 | .079 | .022 | .147 | .074 | .021 | .136 | .069 | .020 | |
| 10.0 | .167 | .080 | .022 | .161 | .078 | .022 | .149 | .073 | .021 | .138 | .068 | .019 | .127 | .064 | .018 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients (CCEC) | | | | | | | | | |
| 0.0 | .364 | .364 | .364 | .311 | .311 | .311 | .212 | .212 | .212 | .122 | .122 | .122 | .039 | .039 | .039 | |
| 1.0 | .362 | .330 | .301 | .310 | .283 | .259 | .212 | .195 | .179 | .122 | .113 | .104 | .039 | .036 | .034 | |
| 2.0 | .355 | .307 | .267 | .304 | .265 | .231 | .209 | .183 | .161 | .120 | .106 | .094 | .039 | .034 | .031 | |
| 3.0 | .348 | .291 | .246 | .298 | .251 | .213 | .205 | .174 | .149 | .118 | .102 | .088 | .038 | .033 | .029 | |
| 4.0 | .340 | .279 | .232 | .292 | .241 | .202 | .201 | .168 | .142 | .116 | .098 | .084 | .037 | .032 | .028 | |
| 5.0 | .333 | .269 | .223 | .286 | .233 | .194 | .197 | .163 | .137 | .114 | .096 | .081 | .037 | .031 | .027 | |
| 6.0 | .325 | .261 | .216 | .279 | .226 | .188 | .193 | .159 | .133 | .112 | .093 | .079 | .036 | .030 | .026 | |
| 7.0 | .318 | .255 | .211 | .273 | .221 | .184 | .189 | .155 | .130 | .110 | .091 | .078 | .035 | .030 | .026 | |
| 8.0 | .311 | .249 | .207 | .268 | .216 | .181 | .185 | .152 | .128 | .108 | .090 | .076 | .035 | .029 | .025 | |
| 9.0 | .305 | .245 | .204 | .262 | .212 | .178 | .182 | .149 | .127 | .106 | .088 | .075 | .034 | .029 | .025 | |
| 10.0 | .299 | .241 | .202 | .258 | .209 | .176 | .179 | .147 | .125 | .104 | .087 | .075 | .034 | .029 | .025 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|-----|------------------|------|------|-----------------------|------|----------------|------------------|------|------|------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.:5000K | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: | | | | | SUR.: ϕ 140*70mm | | | Shielding Angle: | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | | 17.7 | 19.0 | 18.2 | 19.6 | 20.2 | 17.5 | 18.9 | 18.1 | 19.4 | 20.1 |
| 3H | | 20.3 | 21.5 | 20.9 | 22.1 | 22.8 | 20.1 | 21.3 | 20.7 | 21.9 | 22.6 |
| 4H | | 21.7 | 22.9 | 22.3 | 23.5 | 24.2 | 21.5 | 22.7 | 22.1 | 23.3 | 24.0 |
| 6H | | 23.3 | 24.4 | 23.9 | 25.0 | 25.8 | 23.0 | 24.1 | 23.7 | 24.8 | 25.5 |
| 8H | | 24.1 | 25.2 | 24.8 | 25.9 | 26.6 | 23.9 | 25.0 | 24.5 | 25.6 | 26.4 |
| 12H | | 25.1 | 26.2 | 25.8 | 26.8 | 27.6 | 24.9 | 25.9 | 25.5 | 26.6 | 27.3 |
| 4H 2H | | 18.5 | 19.7 | 19.1 | 20.3 | 21.0 | 18.3 | 19.5 | 19.0 | 20.2 | 20.9 |
| 3H | | 21.3 | 22.3 | 21.9 | 23.0 | 23.7 | 21.1 | 22.2 | 21.8 | 22.8 | 23.6 |
| 4H | | 22.9 | 23.8 | 23.5 | 24.5 | 25.3 | 22.7 | 23.6 | 23.4 | 24.3 | 25.1 |
| 6H | | 24.6 | 25.5 | 25.3 | 26.2 | 27.0 | 24.4 | 25.3 | 25.1 | 26.0 | 26.8 |
| 8H | | 25.6 | 26.4 | 26.3 | 27.1 | 28.0 | 25.4 | 26.2 | 26.1 | 26.9 | 27.7 |
| 12H | | 26.7 | 27.4 | 27.4 | 28.2 | 29.0 | 26.4 | 27.2 | 27.2 | 27.9 | 28.8 |
| 8H 4H | | 23.4 | 24.2 | 24.1 | 25.0 | 25.8 | 23.3 | 24.1 | 24.0 | 24.8 | 25.7 |
| 6H | | 25.5 | 26.1 | 26.2 | 26.9 | 27.8 | 25.3 | 26.0 | 26.0 | 26.7 | 27.6 |
| 8H | | 26.6 | 27.2 | 27.4 | 28.0 | 28.9 | 26.4 | 27.0 | 27.2 | 27.8 | 28.7 |
| 12H | | 28.0 | 28.5 | 28.7 | 29.3 | 30.2 | 27.8 | 28.3 | 28.5 | 29.1 | 30.0 |
| 12H 4H | | 23.6 | 24.3 | 24.3 | 25.1 | 25.9 | 23.4 | 24.2 | 24.2 | 24.9 | 25.8 |
| 6H | | 25.7 | 26.3 | 26.5 | 27.1 | 28.0 | 25.6 | 26.2 | 26.3 | 26.9 | 27.9 |
| 8H | | 27.0 | 27.5 | 27.8 | 28.3 | 29.2 | 26.8 | 27.4 | 27.6 | 28.1 | 29.1 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |

CIE Pub.117, 772.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.9)
Area: 0.030788 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-----------------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: ϕ 140*70mm | Shielding Angle: |

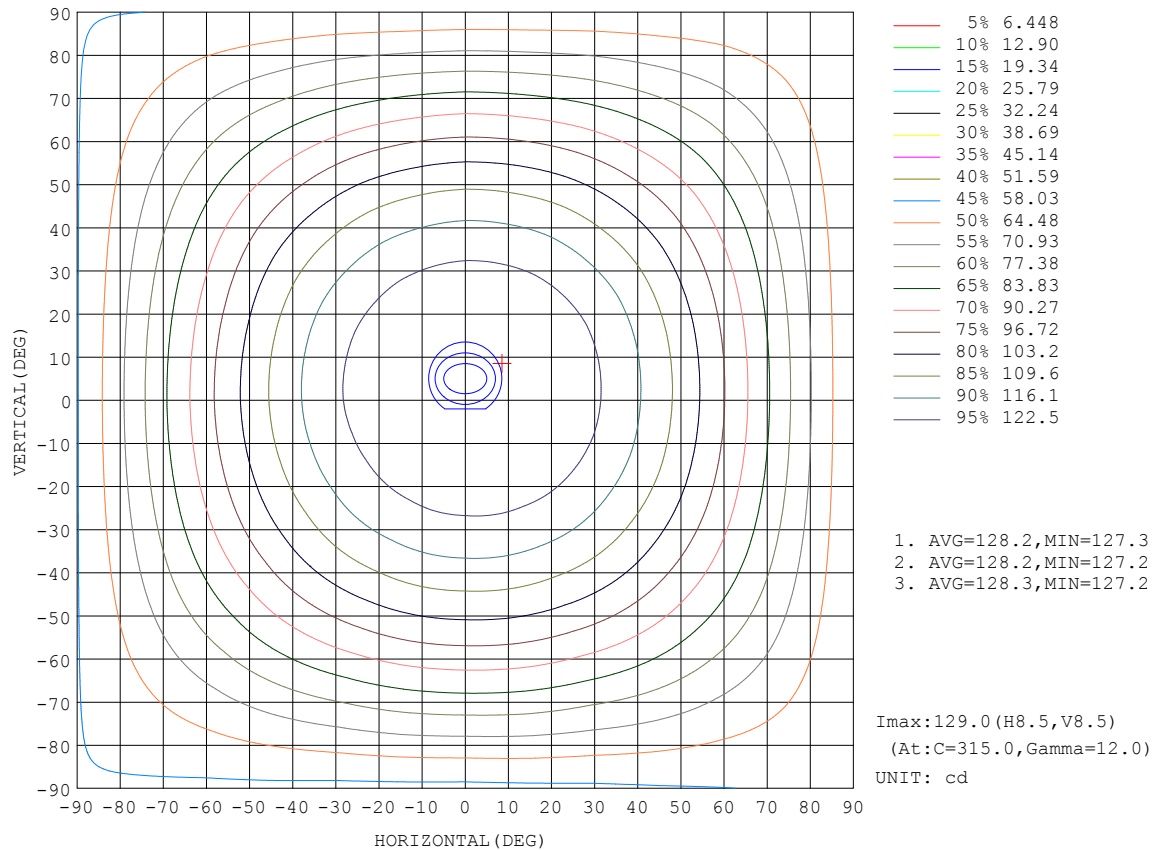
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 45 | 32 | 24 | 43 | 31 | 24 | 41 | 30 | 24 | 17 |
| 0.80 | 53 | 40 | 32 | 52 | 39 | 31 | 49 | 38 | 30 | 22 |
| 1.00 | 61 | 47 | 39 | 59 | 46 | 38 | 55 | 47 | 37 | 28 |
| 1.25 | 68 | 55 | 45 | 65 | 53 | 45 | 61 | 50 | 43 | 33 |
| 1.50 | 73 | 60 | 51 | 70 | 58 | 50 | 65 | 55 | 48 | 36 |
| 2.00 | 81 | 69 | 60 | 77 | 66 | 58 | 71 | 62 | 55 | 42 |
| 2.50 | 85 | 74 | 66 | 82 | 72 | 64 | 75 | 67 | 60 | 46 |
| 3.00 | 89 | 79 | 71 | 85 | 76 | 69 | 78 | 71 | 64 | 50 |
| 4.00 | 94 | 85 | 78 | 90 | 82 | 76 | 82 | 76 | 70 | 54 |
| 5.00 | 97 | 90 | 83 | 93 | 86 | 80 | 85 | 79 | 74 | 58 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-----------------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: ϕ 140*70mm | Shielding Angle: |



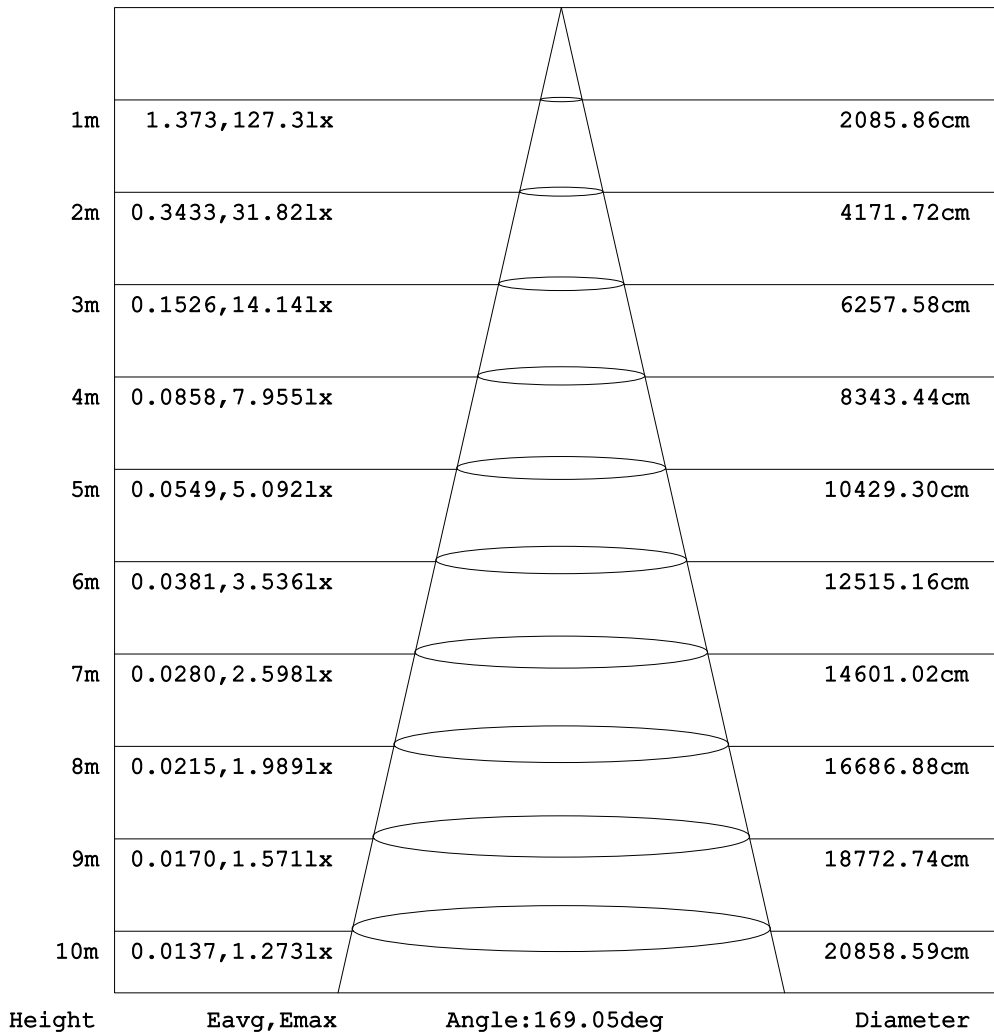
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|----------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.:Φ140*70mm | Shielding Angle: |

Flux out:563.7 lm



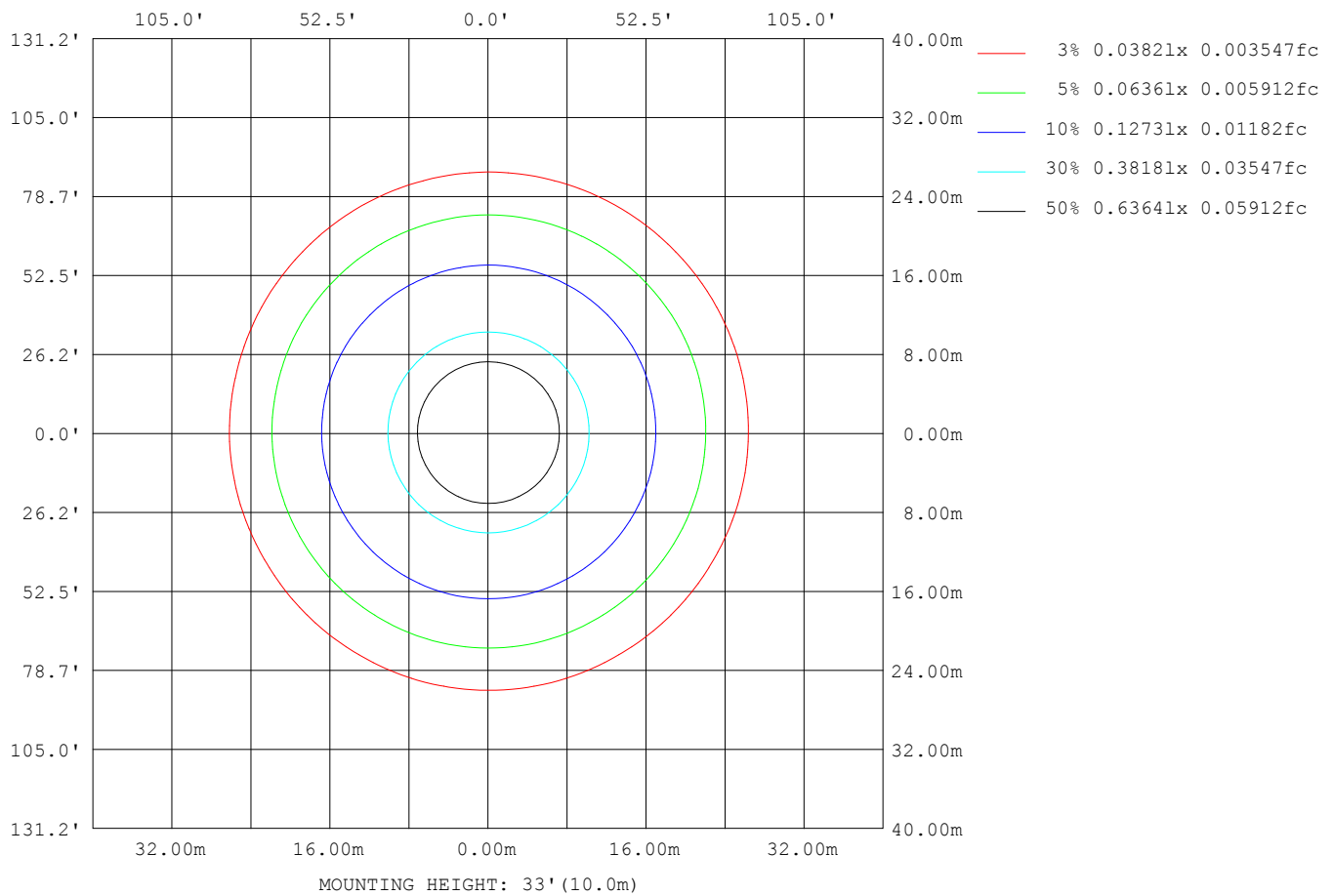
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Qin Meng
Test Date: 2025-06-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 7.390m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.:Φ140*70mm | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|----------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.:Φ140*70mm | Shielding Angle: |

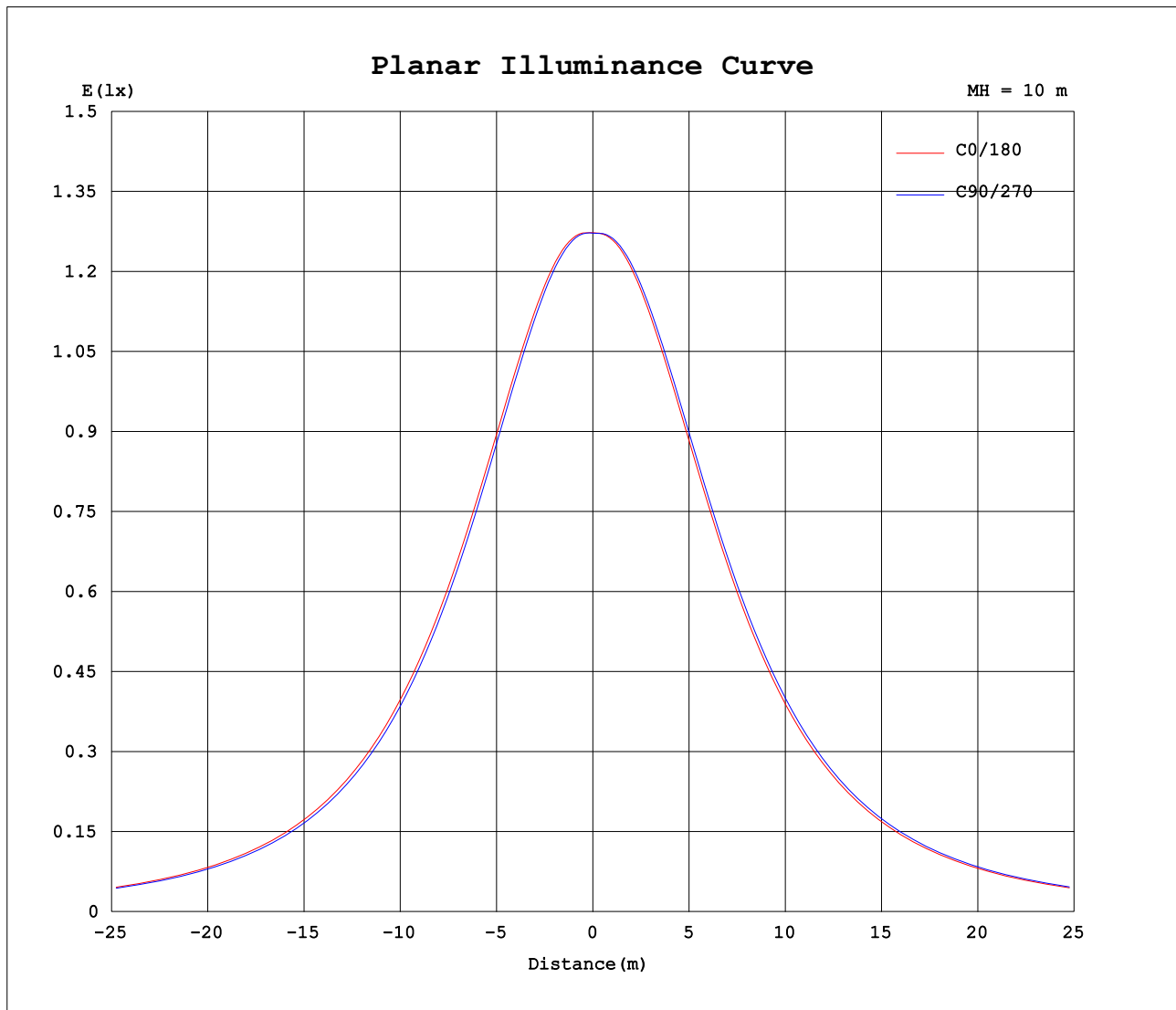
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 6910 |
| L_0~180 (75) av | 9683 |
| L_0~180 (85) av | 23891 |
| L_90~270 (65) av | 6897 |
| L_90~270 (75) av | 9656 |
| L_90~270 (85) av | 23800 |
| L_45 (65) av | 6865 |
| L_45 (75) av | 9621 |
| L_45 (85) av | 23835 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Qin Meng
Test Date: 2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 7.390m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|----------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.:Φ140*70mm | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 5 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| 10 | 129 | 129 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 129 | 129 | 129 | 129 |
| 15 | 128 | 128 | 128 | 128 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 128 | 128 | 128 | 128 | 129 | 129 |
| 20 | 127 | 127 | 127 | 126 | 126 | 126 | 126 | 126 | 125 | 125 | 125 | 126 | 126 | 126 | 127 | 127 | 127 | 128 | 128 |
| 25 | 126 | 125 | 125 | 124 | 124 | 124 | 123 | 123 | 123 | 123 | 123 | 124 | 124 | 124 | 125 | 125 | 126 | 126 | 126 |
| 30 | 123 | 123 | 122 | 122 | 121 | 121 | 121 | 121 | 120 | 120 | 121 | 121 | 122 | 122 | 122 | 123 | 123 | 124 | 124 |
| 35 | 120 | 120 | 119 | 119 | 118 | 118 | 117 | 117 | 117 | 117 | 117 | 118 | 118 | 119 | 119 | 120 | 120 | 121 | 121 |
| 40 | 117 | 116 | 115 | 115 | 114 | 114 | 113 | 113 | 113 | 113 | 113 | 114 | 114 | 115 | 116 | 116 | 117 | 117 | 117 |
| 45 | 112 | 112 | 111 | 110 | 110 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 110 | 111 | 111 | 112 | 112 | 113 | 113 |
| 50 | 108 | 107 | 106 | 105 | 105 | 105 | 104 | 104 | 104 | 104 | 104 | 105 | 105 | 106 | 107 | 107 | 108 | 108 | 109 |
| 55 | 102 | 102 | 101 | 100 | 99.5 | 99.2 | 98.8 | 98.7 | 98.4 | 98.5 | 98.7 | 99.4 | 100 | 101 | 101 | 102 | 102 | 103 | 103 |
| 60 | 96.9 | 96.2 | 95.1 | 94.5 | 93.8 | 93.6 | 93.3 | 93.1 | 92.8 | 92.9 | 93.1 | 93.8 | 94.7 | 95.0 | 95.8 | 96.1 | 96.8 | 97.3 | 97.9 |
| 65 | 90.9 | 90.2 | 89.1 | 88.4 | 87.7 | 87.7 | 87.4 | 87.2 | 86.8 | 86.9 | 87.2 | 88.0 | 88.9 | 89.2 | 89.8 | 90.1 | 90.9 | 91.4 | 92.0 |
| 70 | 84.6 | 84.0 | 82.8 | 82.2 | 81.5 | 81.6 | 81.2 | 81.1 | 80.6 | 80.8 | 81.0 | 82.0 | 82.8 | 83.0 | 83.5 | 83.9 | 84.6 | 85.2 | 85.8 |
| 75 | 78.0 | 77.4 | 76.4 | 75.8 | 75.1 | 75.2 | 74.8 | 74.7 | 74.3 | 74.5 | 74.7 | 75.6 | 76.4 | 76.7 | 77.1 | 77.4 | 78.1 | 78.6 | 79.1 |
| 80 | 71.2 | 70.8 | 69.9 | 69.4 | 68.7 | 68.6 | 68.2 | 68.3 | 67.9 | 68.3 | 68.4 | 69.1 | 69.8 | 70.1 | 70.7 | 71.0 | 71.6 | 71.9 | 72.3 |
| 85 | 64.8 | 64.4 | 63.6 | 63.2 | 62.6 | 62.4 | 62.0 | 62.0 | 61.9 | 62.2 | 62.3 | 62.8 | 63.5 | 63.7 | 64.3 | 64.6 | 65.1 | 65.3 | 65.7 |
| 90 | 58.9 | 58.6 | 57.9 | 57.5 | 57.0 | 56.8 | 56.4 | 56.5 | 56.4 | 56.7 | 56.7 | 57.2 | 57.8 | 58.0 | 58.5 | 58.8 | 59.2 | 59.4 | 59.7 |
| 95 | 53.7 | 53.4 | 52.9 | 52.6 | 52.1 | 51.9 | 51.6 | 51.6 | 51.6 | 51.8 | 51.9 | 52.2 | 52.7 | 53.0 | 53.4 | 53.6 | 54.0 | 54.1 | 54.4 |
| 100 | 48.1 | 48.2 | 48.3 | 48.0 | 47.5 | 46.9 | 46.6 | 46.4 | 47.1 | 47.3 | 47.3 | 46.9 | 47.7 | 47.8 | 48.8 | 48.9 | 49.3 | 48.5 | 49.1 |
| 105 | 40.2 | 41.2 | 43.7 | 43.5 | 43.1 | 40.2 | 39.7 | 39.3 | 42.6 | 43.0 | 42.9 | 39.6 | 40.5 | 40.9 | 44.3 | 44.5 | 44.6 | 40.7 | 41.6 |
| 110 | 31.0 | 34.0 | 39.0 | 39.3 | 38.6 | 33.4 | 32.1 | 31.8 | 37.9 | 38.7 | 38.2 | 32.3 | 32.6 | 34.0 | 39.6 | 40.1 | 39.5 | 32.8 | 33.4 |
| 115 | 21.7 | 28.1 | 34.1 | 35.0 | 33.9 | 28.1 | 25.1 | 26.7 | 32.9 | 34.5 | 33.3 | 27.3 | 25.5 | 28.6 | 34.8 | 35.7 | 34.2 | 27.5 | 25.7 |
| 120 | 17.6 | 23.3 | 29.3 | 30.9 | 29.2 | 24.0 | 22.0 | 22.9 | 28.1 | 30.2 | 28.6 | 23.5 | 22.6 | 24.5 | 30.0 | 31.3 | 29.2 | 23.8 | 22.8 |
| 125 | 14.4 | 19.2 | 24.7 | 26.7 | 24.8 | 20.7 | 19.4 | 19.8 | 23.7 | 26.0 | 24.1 | 20.3 | 20.1 | 21.1 | 25.5 | 27.0 | 24.6 | 20.6 | 20.4 |
| 130 | 12.1 | 16.0 | 20.7 | 22.5 | 20.8 | 17.7 | 16.9 | 17.0 | 19.7 | 21.8 | 20.1 | 17.5 | 17.5 | 18.1 | 21.3 | 22.7 | 20.6 | 17.8 | 18.0 |
| 135 | 10.2 | 13.4 | 17.0 | 18.6 | 17.2 | 14.9 | 14.4 | 14.4 | 16.2 | 17.8 | 16.5 | 14.9 | 15.0 | 15.4 | 17.6 | 18.7 | 17.1 | 15.2 | 15.4 |
| 140 | 8.98 | 11.5 | 13.8 | 15.0 | 13.9 | 12.4 | 12.0 | 12.0 | 13.1 | 14.2 | 13.4 | 12.5 | 12.6 | 12.8 | 14.3 | 15.0 | 14.0 | 12.8 | 12.8 |
| 145 | 7.96 | 9.62 | 11.0 | 11.7 | 11.0 | 10.0 | 9.70 | 9.73 | 10.4 | 11.0 | 10.6 | 10.1 | 10.4 | 10.5 | 11.3 | 11.6 | 11.2 | 10.5 | 10.4 |
| 150 | 6.99 | 7.74 | 8.54 | 8.86 | 8.42 | 7.87 | 7.63 | 7.60 | 7.98 | 8.22 | 8.12 | 7.99 | 8.21 | 8.30 | 8.65 | 8.72 | 8.72 | 8.23 | 8.02 |
| 155 | 5.52 | 5.74 | 6.32 | 6.41 | 6.18 | 5.93 | 5.74 | 5.68 | 5.78 | 5.84 | 5.89 | 5.96 | 6.18 | 6.20 | 6.32 | 6.29 | 6.37 | 6.04 | 5.85 |
| 160 | 3.97 | 4.14 | 4.33 | 4.30 | 4.20 | 4.15 | 4.01 | 3.90 | 3.80 | 3.76 | 3.82 | 4.00 | 4.17 | 4.08 | 4.13 | 4.04 | 4.16 | 3.97 | 3.95 |
| 165 | 2.36 | 2.47 | 2.54 | 2.47 | 2.37 | 2.46 | 2.40 | 2.28 | 2.07 | 1.92 | 1.90 | 2.00 | 2.16 | 1.92 | 2.02 | 1.92 | 2.10 | 2.13 | 2.21 |
| 170 | 0.86 | 0.89 | 0.92 | 0.91 | 0.83 | 0.71 | 0.67 | 0.65 | 0.49 | 0.28 | 0.22 | 0.26 | 0.26 | 0.19 | 0.14 | 0.18 | 0.37 | 0.53 | 0.60 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Qin Meng
Test Date:2025-06-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:7.390m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-----------------------|------------------|
| Test:U:120.00V I:0.0630A P:7.4800W PF:0.9810 Freq:60.00Hz Lamp Flux:786.298x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: ϕ 140*70mm | Shielding Angle: |

Table--2

UNIT: cd

| γ (DEG) \ C (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 127 | 127 | 127 | 127 | 127 | | | | | | | | | | | | | | |
| 5 | 128 | 128 | 128 | 128 | 128 | | | | | | | | | | | | | | |
| 10 | 129 | 129 | 129 | 129 | 129 | | | | | | | | | | | | | | |
| 15 | 129 | 129 | 129 | 129 | 129 | | | | | | | | | | | | | | |
| 20 | 128 | 128 | 128 | 128 | 128 | | | | | | | | | | | | | | |
| 25 | 126 | 126 | 126 | 126 | 126 | | | | | | | | | | | | | | |
| 30 | 124 | 124 | 124 | 124 | 124 | | | | | | | | | | | | | | |
| 35 | 121 | 121 | 121 | 121 | 121 | | | | | | | | | | | | | | |
| 40 | 117 | 118 | 118 | 118 | 117 | | | | | | | | | | | | | | |
| 45 | 113 | 113 | 113 | 113 | 113 | | | | | | | | | | | | | | |
| 50 | 109 | 109 | 109 | 109 | 108 | | | | | | | | | | | | | | |
| 55 | 104 | 104 | 103 | 104 | 103 | | | | | | | | | | | | | | |
| 60 | 97.9 | 98.0 | 97.8 | 97.9 | 97.5 | | | | | | | | | | | | | | |
| 65 | 91.9 | 91.9 | 91.8 | 91.9 | 91.5 | | | | | | | | | | | | | | |
| 70 | 85.6 | 85.6 | 85.4 | 85.5 | 85.2 | | | | | | | | | | | | | | |
| 75 | 79.1 | 79.1 | 78.9 | 79.0 | 78.6 | | | | | | | | | | | | | | |
| 80 | 72.3 | 72.5 | 72.3 | 72.4 | 71.9 | | | | | | | | | | | | | | |
| 85 | 65.7 | 66.0 | 65.9 | 65.9 | 65.5 | | | | | | | | | | | | | | |
| 90 | 59.7 | 60.0 | 59.9 | 59.9 | 59.5 | | | | | | | | | | | | | | |
| 95 | 54.4 | 54.6 | 54.5 | 54.6 | 54.3 | | | | | | | | | | | | | | |
| 100 | 49.1 | 49.8 | 49.7 | 49.6 | 48.3 | | | | | | | | | | | | | | |
| 105 | 42.3 | 45.2 | 45.0 | 44.2 | 40.5 | | | | | | | | | | | | | | |
| 110 | 35.5 | 40.4 | 40.3 | 38.2 | 31.4 | | | | | | | | | | | | | | |
| 115 | 29.9 | 35.6 | 35.5 | 31.9 | 24.3 | | | | | | | | | | | | | | |
| 120 | 25.4 | 30.8 | 30.7 | 26.1 | 19.2 | | | | | | | | | | | | | | |
| 125 | 21.7 | 26.2 | 26.2 | 21.3 | 14.8 | | | | | | | | | | | | | | |
| 130 | 18.5 | 21.9 | 22.0 | 17.5 | 12.4 | | | | | | | | | | | | | | |
| 135 | 15.5 | 17.7 | 18.2 | 14.4 | 10.6 | | | | | | | | | | | | | | |
| 140 | 12.6 | 13.7 | 14.7 | 11.8 | 9.28 | | | | | | | | | | | | | | |
| 145 | 10.2 | 10.3 | 11.0 | 9.75 | 8.02 | | | | | | | | | | | | | | |
| 150 | 8.09 | 7.58 | 7.26 | 7.45 | 6.21 | | | | | | | | | | | | | | |
| 155 | 5.99 | 5.46 | 4.81 | 4.68 | 5.11 | | | | | | | | | | | | | | |
| 160 | 3.88 | 3.95 | 3.21 | 3.08 | 3.29 | | | | | | | | | | | | | | |
| 165 | 1.97 | 2.18 | 2.08 | 1.95 | 1.61 | | | | | | | | | | | | | | |
| 170 | 0.55 | 0.35 | 0.42 | 0.63 | 0.57 | | | | | | | | | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Qin Meng
 Test Date:2025-06-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:7.390m [K=1.0000]
 Remarks: