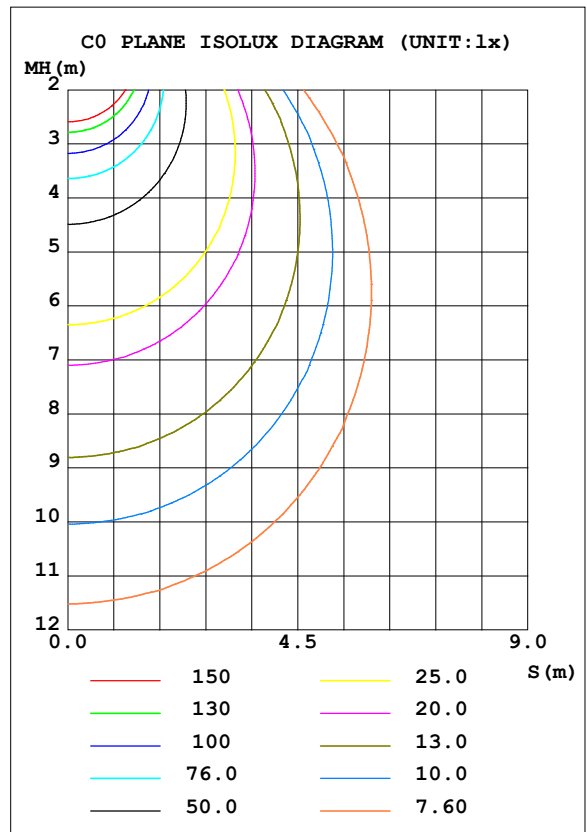
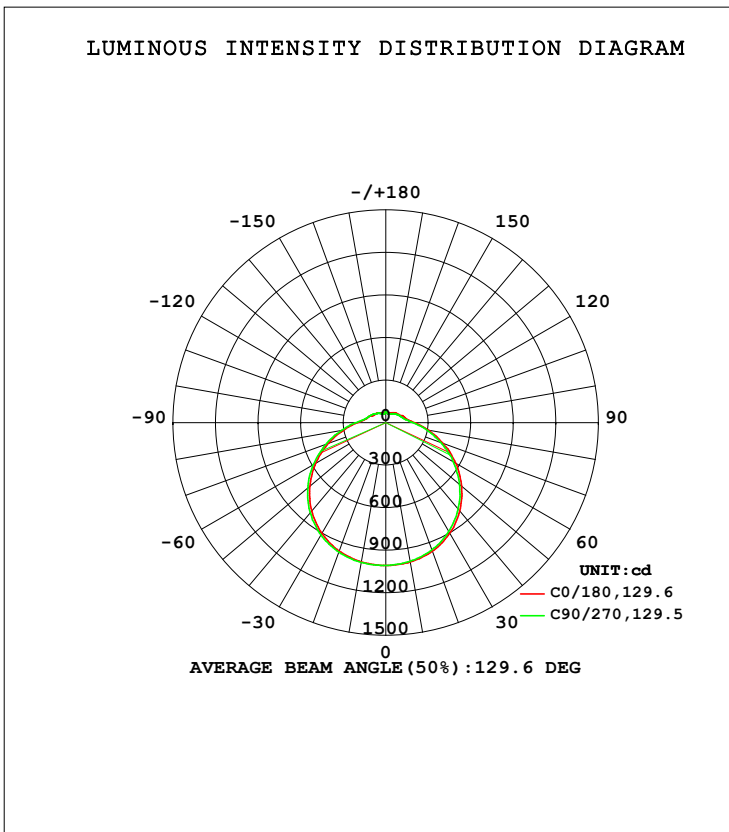


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1lm | | |
| NAME:PPB 60W-2 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:0.48 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 76.40 lm/W | | | |
|-------------------|---------|----------------------------------|---------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 1010 | S/MH (C0/180) | 1.33 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.35 |
| RATED VOLTAGE (V) | | TOTAL FLUX (lm) | 4359.0 | η UP, DN (C0-180) | 8.0, 41.2 |
| NOMINAL FLUX (lm) | 4358.99 | CIE CLASS | SEMI-D. | η UP, DN (C180-360) | 8.3, 42.6 |
| LAMPS INSIDE | 1 | η up (%) | 16.2 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | | η down (%) | 83.8 | CIBSE SHR MAX | 1.55 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators:
 Test Date: 2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 60%
 Test Distance: 8.650m [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 | 997.5 | 995.1 | 992.4 | 992.7 | 996.5 | 999.2 | 1002 | 999.9 | 0- 10 | 95.65 | 95.65 | 2.19,2.19 |
| 20 | 964.0 | 957.5 | 954.4 | 955.6 | 963.3 | 969.2 | 971.7 | 969.9 | 10- 20 | 277.9 | 373.6 | 8.57,8.57 |
| 30 | 901.9 | 893.0 | 887.7 | 890.6 | 901.8 | 911.7 | 914.5 | 913.2 | 20- 30 | 431.8 | 805.4 | 18.5,18.5 |
| 40 | 812.2 | 800.9 | 794.3 | 797.2 | 812.7 | 824.2 | 829.6 | 825.6 | 30- 40 | 538.7 | 1344 | 30.8,30.8 |
| 50 | 698.1 | 687.7 | 679.6 | 682.9 | 700.6 | 714.0 | 718.0 | 712.9 | 40- 50 | 585.5 | 1930 | 44.3,44.3 |
| 60 | 568.9 | 554.2 | 548.9 | 553.8 | 572.1 | 583.6 | 589.2 | 584.4 | 50- 60 | 568.9 | 2498 | 57.3,57.3 |
| 70 | 430.3 | 417.0 | 413.5 | 418.7 | 432.1 | 443.2 | 450.6 | 445.9 | 60- 70 | 495.8 | 2994 | 68.7,68.7 |
| 80 | 303.0 | 295.2 | 291.7 | 292.8 | 301.4 | 310.5 | 316.4 | 316.3 | 70- 80 | 385.9 | 3380 | 77.5,77.5 |
| 90 | 203.4 | 194.0 | 192.2 | 193.7 | 199.8 | 204.5 | 211.3 | 207.5 | 80- 90 | 271.7 | 3652 | 83.8,83.8 |
| 100 | 151.0 | 142.1 | 140.0 | 138.7 | 146.9 | 148.7 | 152.7 | 151.3 | 90-100 | 186.0 | 3838 | 88,88 |
| 110 | 133.2 | 120.8 | 118.8 | 119.0 | 127.5 | 123.9 | 128.1 | 128.9 | 100-110 | 141.8 | 3980 | 91.3,91.3 |
| 120 | 109.2 | 107.2 | 106.0 | 104.7 | 105.0 | 109.5 | 114.1 | 112.1 | 110-120 | 114.8 | 4094 | 93.9,93.9 |
| 130 | 101.0 | 89.22 | 94.33 | 85.88 | 96.96 | 92.04 | 99.48 | 95.14 | 120-130 | 90.16 | 4185 | 96,96 |
| 140 | 92.83 | 78.84 | 82.95 | 75.68 | 89.18 | 78.23 | 88.04 | 80.39 | 130-140 | 67.82 | 4252 | 97.6,97.6 |
| 150 | 81.30 | 71.83 | 71.93 | 70.64 | 78.90 | 70.67 | 75.56 | 73.78 | 140-150 | 48.62 | 4301 | 98.7,98.7 |
| 160 | 70.66 | 63.87 | 64.95 | 65.86 | 70.63 | 63.86 | 66.26 | 68.71 | 150-160 | 32.48 | 4334 | 99.4,99.4 |
| 170 | 70.13 | 71.21 | 69.26 | 71.65 | 70.88 | 68.38 | 66.60 | 70.26 | 160-170 | 18.64 | 4352 | 99.8,99.8 |
| 180 | 76.96 | 73.93 | 78.73 | 73.10 | 76.94 | 73.95 | 78.72 | 73.09 | 170-180 | 6.833 | 4359 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1635 lm

%lum = 37.5%

%lamp = 37.5%

Conical surface Flux(120deg): 2498.5 lm

%lum = 57.3%

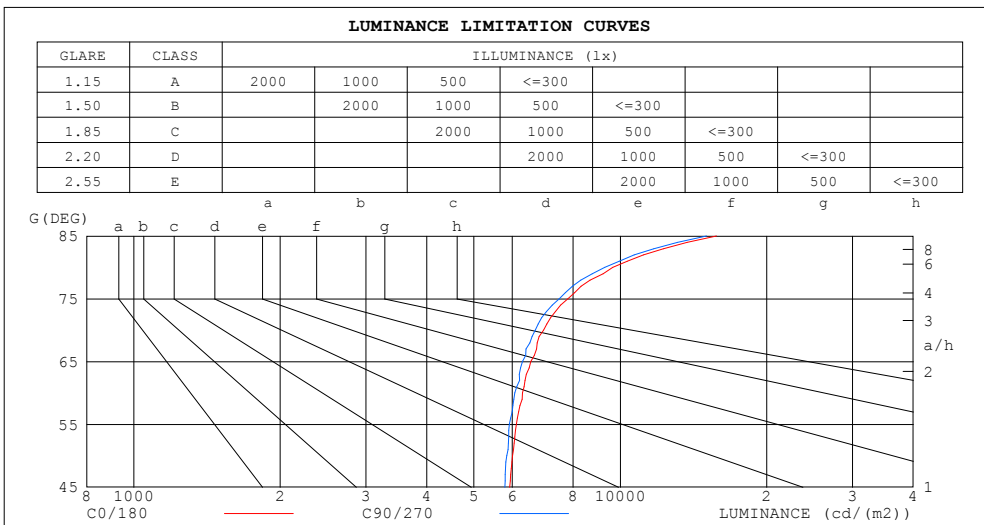
%lamp = 57.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 15771 | 15031 |
| 80 | 9646 | 9289 |
| 75 | 7811 | 7495 |
| 70 | 6956 | 6685 |
| 65 | 6551 | 6294 |
| 60 | 6290 | 6069 |
| 55 | 6116 | 5918 |
| 50 | 6005 | 5846 |
| 45 | 5927 | 5792 |

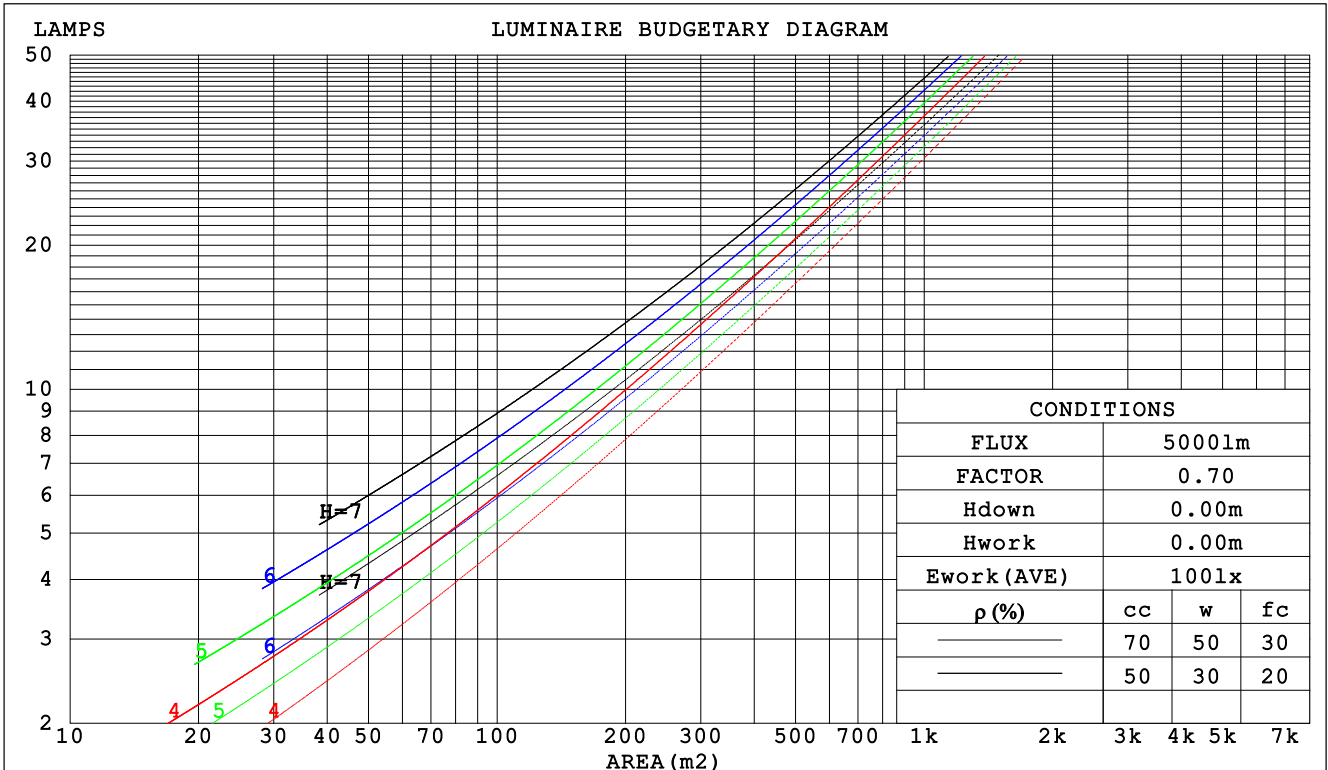
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | 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 | 1.15 | 1.15 | 1.15 | 1.11 | 1.11 | 1.11 | 1.02 | 1.02 | 1.02 | .94 | .94 | .94 | .87 | .87 | .87 | .84 |
| 1.0 | .97 | .92 | .87 | .93 | .88 | .84 | .86 | .82 | .79 | .79 | .76 | .73 | .73 | .70 | .68 | .65 |
| 2.0 | .83 | .76 | .69 | .80 | .73 | .67 | .74 | .68 | .63 | .68 | .63 | .59 | .62 | .59 | .55 | .52 |
| 3.0 | .72 | .63 | .56 | .69 | .61 | .55 | .64 | .57 | .52 | .59 | .54 | .49 | .55 | .50 | .46 | .43 |
| 4.0 | .64 | .54 | .47 | .61 | .53 | .46 | .56 | .49 | .43 | .52 | .46 | .41 | .48 | .43 | .39 | .36 |
| 5.0 | .56 | .47 | .40 | .54 | .46 | .39 | .50 | .43 | .37 | .47 | .40 | .35 | .43 | .38 | .33 | .31 |
| 6.0 | .51 | .41 | .35 | .49 | .40 | .34 | .45 | .38 | .32 | .42 | .36 | .31 | .39 | .33 | .29 | .27 |
| 7.0 | .46 | .37 | .30 | .44 | .36 | .30 | .41 | .34 | .28 | .38 | .32 | .27 | .35 | .30 | .26 | .23 |
| 8.0 | .41 | .33 | .27 | .40 | .32 | .26 | .37 | .30 | .25 | .35 | .29 | .24 | .32 | .27 | .23 | .21 |
| 9.0 | .38 | .30 | .24 | .37 | .29 | .23 | .34 | .27 | .22 | .32 | .26 | .21 | .30 | .25 | .21 | .19 |
| 10.0 | .35 | .27 | .22 | .34 | .26 | .21 | .32 | .25 | .20 | .30 | .24 | .19 | .28 | .22 | .19 | .17 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .369 | .210 | .066 | .356 | .203 | .065 | .334 | .191 | .061 | .313 | .180 | .058 | .294 | .170 | .055 | |
| 2.0 | .324 | .178 | .054 | .313 | .172 | .053 | .293 | .163 | .051 | .274 | .154 | .048 | .256 | .145 | .046 | |
| 3.0 | .290 | .154 | .046 | .280 | .150 | .045 | .262 | .142 | .043 | .245 | .134 | .041 | .229 | .127 | .039 | |
| 4.0 | .262 | .136 | .040 | .254 | .133 | .039 | .237 | .126 | .038 | .221 | .119 | .036 | .207 | .112 | .034 | |
| 5.0 | .239 | .122 | .035 | .231 | .119 | .035 | .216 | .113 | .033 | .202 | .107 | .032 | .189 | .101 | .030 | |
| 6.0 | .220 | .110 | .032 | .213 | .107 | .031 | .199 | .102 | .030 | .186 | .097 | .028 | .174 | .091 | .027 | |
| 7.0 | .203 | .100 | .028 | .197 | .098 | .028 | .184 | .093 | .027 | .172 | .088 | .026 | .161 | .084 | .025 | |
| 8.0 | .189 | .092 | .026 | .183 | .090 | .025 | .171 | .085 | .024 | .160 | .081 | .023 | .150 | .077 | .022 | |
| 9.0 | .176 | .085 | .024 | .170 | .083 | .023 | .160 | .079 | .022 | .150 | .075 | .021 | .140 | .071 | .021 | |
| 10.0 | .165 | .079 | .022 | .160 | .077 | .022 | .150 | .073 | .021 | .141 | .070 | .020 | .132 | .066 | .019 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients (CCEC) | | | | | | | | | |
| 0.0 | .314 | .314 | .314 | .268 | .268 | .268 | .183 | .183 | .183 | .105 | .105 | .105 | .034 | .034 | .034 | |
| 1.0 | .309 | .280 | .254 | .264 | .241 | .219 | .181 | .165 | .151 | .104 | .096 | .088 | .033 | .031 | .028 | |
| 2.0 | .302 | .257 | .220 | .259 | .221 | .190 | .177 | .153 | .132 | .102 | .089 | .078 | .033 | .029 | .025 | |
| 3.0 | .294 | .241 | .198 | .252 | .208 | .171 | .173 | .144 | .120 | .100 | .084 | .071 | .032 | .027 | .023 | |
| 4.0 | .287 | .228 | .183 | .246 | .197 | .159 | .169 | .137 | .112 | .098 | .080 | .066 | .032 | .026 | .022 | |
| 5.0 | .279 | .218 | .173 | .240 | .189 | .150 | .165 | .132 | .106 | .096 | .077 | .063 | .031 | .025 | .021 | |
| 6.0 | .272 | .210 | .166 | .234 | .182 | .144 | .161 | .127 | .102 | .094 | .075 | .061 | .030 | .024 | .020 | |
| 7.0 | .265 | .203 | .160 | .228 | .176 | .140 | .157 | .124 | .099 | .091 | .073 | .059 | .030 | .024 | .020 | |
| 8.0 | .258 | .198 | .156 | .222 | .172 | .136 | .154 | .121 | .097 | .089 | .071 | .058 | .029 | .023 | .019 | |
| 9.0 | .252 | .193 | .153 | .217 | .168 | .134 | .150 | .118 | .095 | .088 | .070 | .057 | .028 | .023 | .019 | |
| 10.0 | .246 | .189 | .151 | .212 | .164 | .132 | .147 | .115 | .093 | .086 | .068 | .056 | .028 | .022 | .018 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|-----------|------|------|------------------|------|------|------|------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | | | | | | | | | |
| NAME: 吸顶灯 | | | TYPE:60W | | | WEIGHT: | | | | |
| SPEC.: | | | DIM.: | | | SERIAL No.: | | | | |
| MFR.: 星明 | | | SUR.:0.48 | | | 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 | 18.2 | 19.6 | 18.7 | 20.0 | 20.6 | 18.0 | 19.4 | 18.5 | 19.9 | 20.4 |
| 3H | 20.2 | 21.5 | 20.8 | 22.0 | 22.6 | 20.1 | 21.3 | 20.6 | 21.8 | 22.4 |
| 4H | 21.3 | 22.5 | 21.8 | 23.0 | 23.6 | 21.1 | 22.3 | 21.6 | 22.8 | 23.4 |
| 6H | 22.4 | 23.5 | 22.9 | 24.1 | 24.7 | 22.2 | 23.3 | 22.7 | 23.9 | 24.5 |
| 8H | 23.0 | 24.1 | 23.6 | 24.6 | 25.3 | 22.8 | 23.9 | 23.3 | 24.4 | 25.0 |
| 12H | 23.7 | 24.7 | 24.2 | 25.3 | 25.9 | 23.4 | 24.5 | 24.0 | 25.0 | 25.7 |
| 4H 2H | 18.8 | 20.0 | 19.4 | 20.6 | 21.2 | 18.7 | 19.9 | 19.3 | 20.5 | 21.1 |
| 3H | 21.1 | 22.2 | 21.7 | 22.7 | 23.4 | 21.0 | 22.0 | 21.5 | 22.6 | 23.2 |
| 4H | 22.3 | 23.3 | 22.9 | 23.9 | 24.6 | 22.2 | 23.1 | 22.8 | 23.7 | 24.4 |
| 6H | 23.6 | 24.5 | 24.2 | 25.1 | 25.8 | 23.4 | 24.3 | 24.0 | 24.9 | 25.6 |
| 8H | 24.3 | 25.1 | 24.9 | 25.7 | 26.5 | 24.1 | 24.9 | 24.7 | 25.5 | 26.3 |
| 12H | 25.1 | 25.9 | 25.8 | 26.5 | 27.2 | 24.9 | 25.6 | 25.5 | 26.3 | 27.0 |
| 8H 4H | 22.8 | 23.6 | 23.4 | 24.2 | 24.9 | 22.6 | 23.4 | 23.3 | 24.1 | 24.8 |
| 6H | 24.3 | 25.0 | 25.0 | 25.6 | 26.4 | 24.1 | 24.8 | 24.8 | 25.5 | 26.2 |
| 8H | 25.2 | 25.8 | 25.9 | 26.5 | 27.3 | 25.0 | 25.6 | 25.7 | 26.3 | 27.1 |
| 12H | 26.2 | 26.7 | 26.9 | 27.4 | 28.2 | 26.0 | 26.5 | 26.7 | 27.2 | 28.0 |
| 12H 4H | 22.8 | 23.6 | 23.5 | 24.2 | 25.0 | 22.7 | 23.5 | 23.4 | 24.1 | 24.8 |
| 6H | 24.5 | 25.1 | 25.2 | 25.8 | 26.6 | 24.3 | 24.9 | 25.0 | 25.6 | 26.4 |
| 8H | 25.5 | 26.0 | 26.2 | 26.7 | 27.5 | 25.3 | 25.8 | 26.0 | 26.5 | 27.3 |
| 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 | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | |

CIE Pub.117, 4359 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.1)
 Area: 0.180864 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |

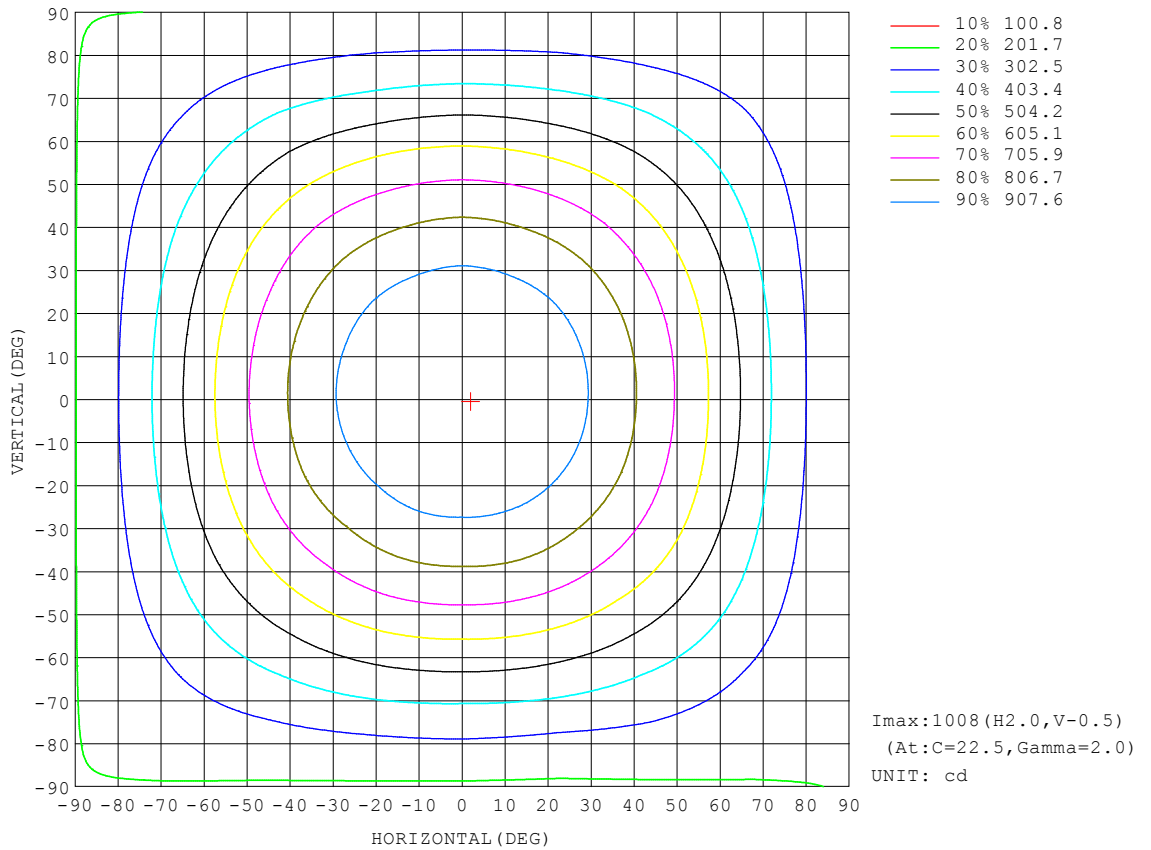
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 49 | 37 | 30 | 48 | 36 | 29 | 46 | 35 | 29 | 22 |
| 0.80 | 58 | 46 | 38 | 57 | 45 | 37 | 54 | 44 | 37 | 29 |
| 1.00 | 66 | 54 | 46 | 64 | 53 | 45 | 61 | 53 | 44 | 35 |
| 1.25 | 73 | 61 | 53 | 71 | 60 | 52 | 67 | 57 | 50 | 41 |
| 1.50 | 78 | 67 | 58 | 76 | 65 | 57 | 71 | 62 | 55 | 45 |
| 2.00 | 86 | 75 | 67 | 83 | 73 | 66 | 77 | 69 | 63 | 52 |
| 2.50 | 90 | 80 | 73 | 87 | 78 | 71 | 81 | 73 | 68 | 55 |
| 3.00 | 94 | 85 | 78 | 90 | 82 | 76 | 84 | 77 | 72 | 59 |
| 4.00 | 98 | 91 | 85 | 95 | 88 | 82 | 88 | 82 | 78 | 64 |
| 5.00 | 101 | 95 | 89 | 97 | 91 | 86 | 90 | 85 | 81 | 67 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |

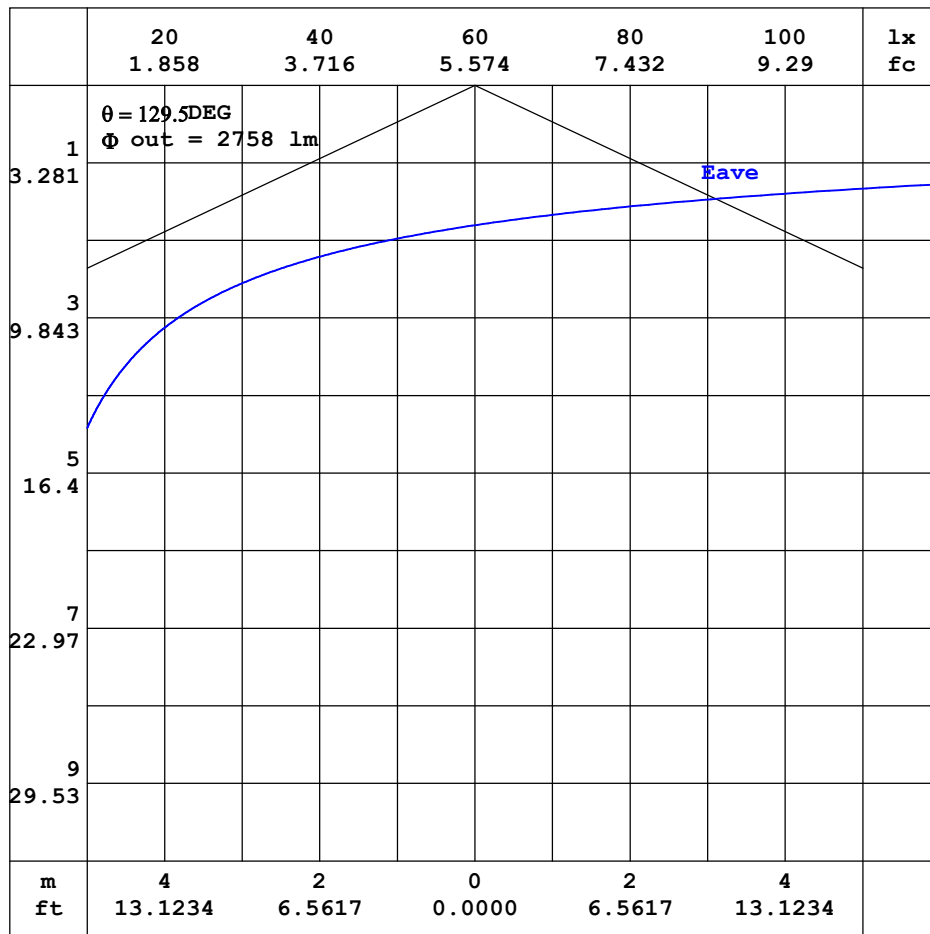


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

AAI CURVES

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |



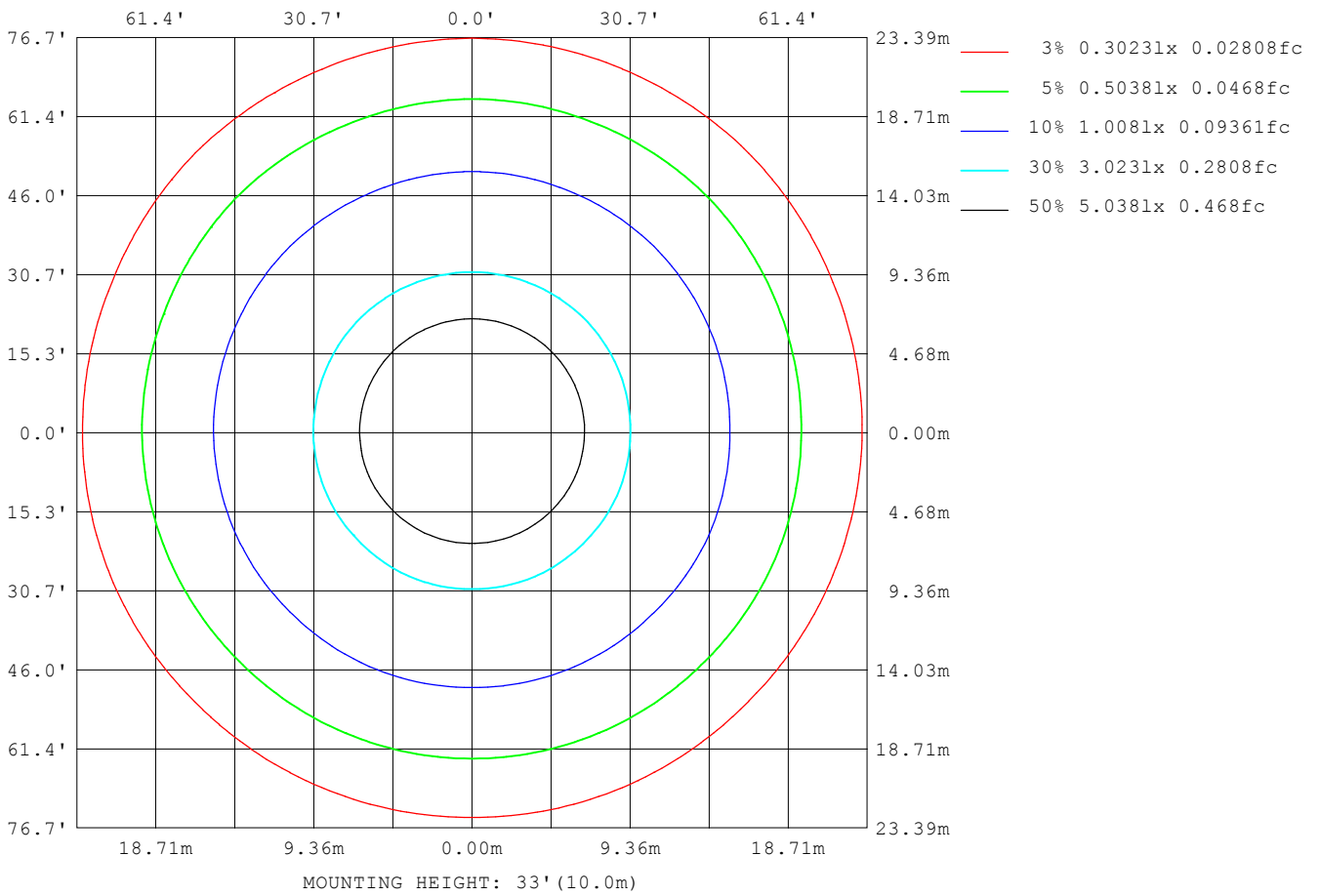
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |

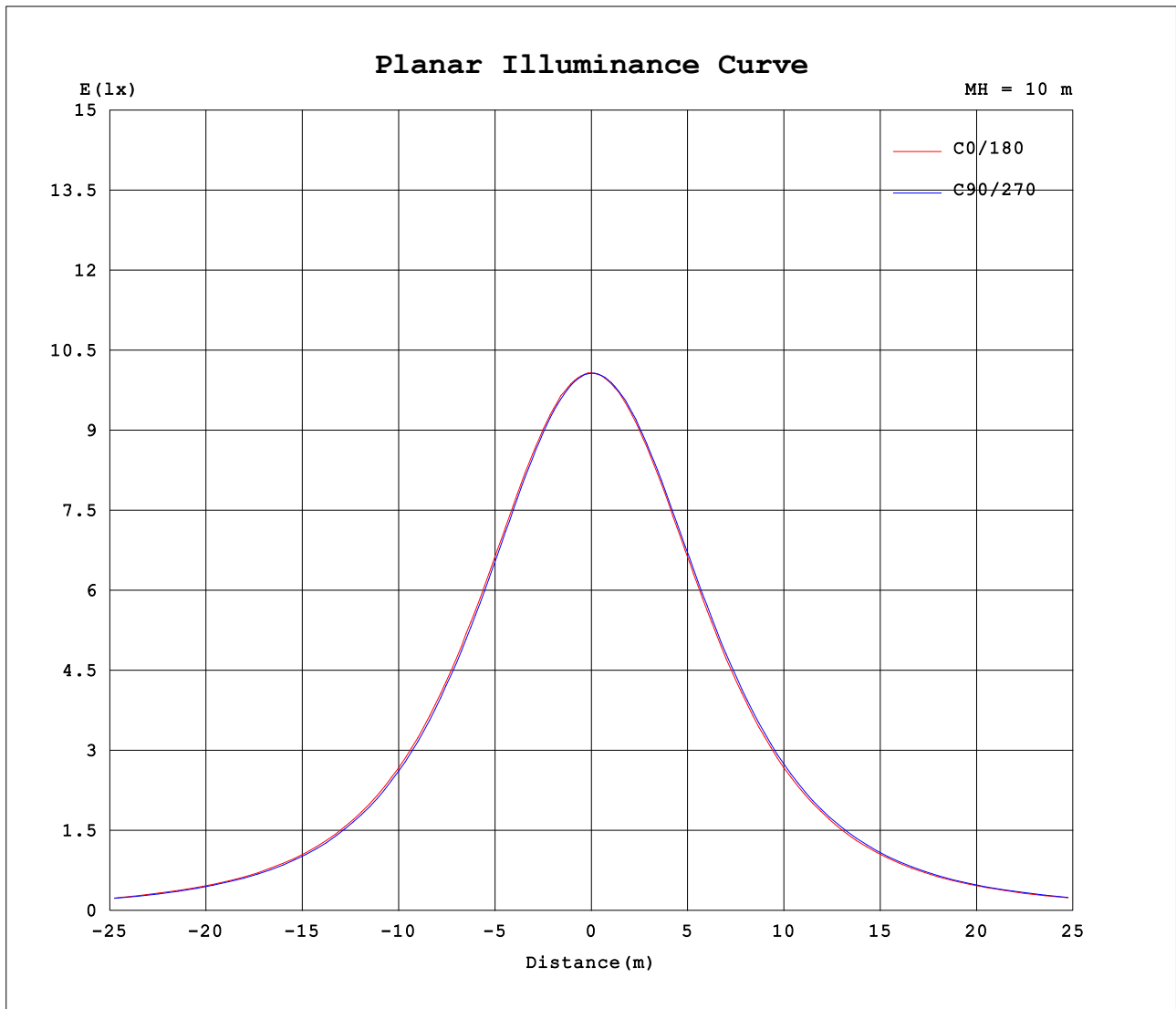
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 6564 |
| L_0~180 (75) av | 7812 |
| L_0~180 (85) av | 15711 |
| L_90~270 (65) av | 6543 |
| L_90~270 (75) av | 7826 |
| L_90~270 (85) av | 15773 |
| L_45 (65) av | 6543 |
| L_45 (75) av | 7810 |
| L_45 (85) av | 15721 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:
 Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:60%
 Test Distance:8.650m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-----------|------------------|
| Test:U:219.98V I:0.4821A P:57.058W PF:0.5376 Freq:50.00Hz Lamp Flux:4358.99x1 lm | | |
| NAME: 吸顶灯 | TYPE:60W | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: 星明 | SUR.:0.48 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 1008 | 1007 | 1007 | 1007 | 1007 | 1007 | 1007 | 1008 | 1008 | 1007 | 1007 | 1007 | 1007 | 1007 | 1007 | 1008 | | | |
| 5 | 1005 | 1004 | 1003 | 1003 | 1003 | 1003 | 1003 | 1003 | 1005 | 1005 | 1006 | 1006 | 1006 | 1006 | 1006 | 1006 | | | |
| 10 | 997 | 996 | 995 | 994 | 992 | 993 | 993 | 995 | 996 | 997 | 999 | 1000 | 1002 | 1000 | 1000 | 999 | | | |
| 15 | 984 | 982 | 980 | 979 | 977 | 977 | 978 | 982 | 983 | 984 | 987 | 988 | 989 | 989 | 988 | 986 | | | |
| 20 | 964 | 962 | 958 | 957 | 954 | 955 | 956 | 959 | 963 | 965 | 969 | 970 | 972 | 970 | 970 | 967 | | | |
| 25 | 936 | 934 | 929 | 927 | 924 | 926 | 927 | 931 | 936 | 939 | 943 | 944 | 946 | 945 | 944 | 941 | | | |
| 30 | 902 | 898 | 893 | 891 | 888 | 890 | 891 | 897 | 902 | 905 | 912 | 912 | 914 | 912 | 913 | 907 | | | |
| 35 | 860 | 857 | 850 | 848 | 845 | 847 | 847 | 856 | 860 | 864 | 872 | 871 | 875 | 873 | 872 | 867 | | | |
| 40 | 812 | 809 | 801 | 799 | 794 | 797 | 797 | 809 | 813 | 820 | 824 | 825 | 830 | 826 | 826 | 820 | | | |
| 45 | 758 | 755 | 748 | 745 | 741 | 745 | 743 | 752 | 758 | 763 | 772 | 772 | 777 | 774 | 773 | 766 | | | |
| 50 | 698 | 695 | 688 | 683 | 680 | 684 | 683 | 693 | 701 | 704 | 714 | 714 | 718 | 715 | 713 | 707 | | | |
| 55 | 634 | 633 | 623 | 618 | 614 | 617 | 619 | 630 | 636 | 640 | 651 | 650 | 656 | 652 | 650 | 644 | | | |
| 60 | 569 | 563 | 554 | 552 | 549 | 554 | 554 | 563 | 572 | 573 | 584 | 585 | 589 | 584 | 584 | 577 | | | |
| 65 | 501 | 494 | 486 | 482 | 481 | 487 | 486 | 499 | 503 | 506 | 514 | 515 | 519 | 514 | 515 | 506 | | | |
| 70 | 430 | 428 | 417 | 415 | 414 | 418 | 419 | 429 | 432 | 434 | 443 | 443 | 451 | 445 | 446 | 438 | | | |
| 75 | 366 | 357 | 352 | 350 | 351 | 351 | 354 | 362 | 366 | 367 | 375 | 383 | 382 | 380 | 382 | 375 | | | |
| 80 | 303 | 294 | 295 | 284 | 292 | 292 | 293 | 299 | 301 | 303 | 311 | 311 | 316 | 318 | 316 | 313 | | | |
| 85 | 249 | 242 | 239 | 232 | 237 | 239 | 239 | 246 | 247 | 250 | 255 | 254 | 260 | 263 | 258 | 257 | | | |
| 90 | 203 | 197 | 194 | 188 | 192 | 193 | 194 | 197 | 200 | 203 | 205 | 207 | 211 | 212 | 208 | 207 | | | |
| 95 | 170 | 167 | 164 | 159 | 162 | 163 | 161 | 169 | 168 | 168 | 173 | 170 | 177 | 178 | 174 | 176 | | | |
| 100 | 151 | 148 | 142 | 139 | 140 | 140 | 139 | 146 | 147 | 146 | 149 | 147 | 153 | 153 | 151 | 152 | | | |
| 105 | 140 | 136 | 128 | 128 | 127 | 127 | 127 | 131 | 134 | 133 | 133 | 134 | 137 | 137 | 138 | 137 | | | |
| 110 | 133 | 128 | 121 | 121 | 119 | 118 | 119 | 120 | 127 | 124 | 124 | 126 | 128 | 128 | 129 | 128 | | | |
| 115 | 121 | 115 | 114 | 114 | 112 | 111 | 111 | 107 | 113 | 112 | 117 | 119 | 121 | 120 | 120 | 117 | | | |
| 120 | 109 | 105 | 107 | 106 | 106 | 104 | 105 | 101 | 105 | 102 | 110 | 111 | 114 | 111 | 112 | 108 | | | |
| 125 | 105 | 98.8 | 99.2 | 99.4 | 100 | 97.1 | 96.3 | 94.2 | 101 | 94.8 | 102 | 104 | 107 | 102 | 105 | 101 | | | |
| 130 | 101 | 94.4 | 89.2 | 93.1 | 94.3 | 90.4 | 85.9 | 88.3 | 97.0 | 90.1 | 92.0 | 94.9 | 99.5 | 95.2 | 95.1 | 94.7 | | | |
| 135 | 97.3 | 90.1 | 82.9 | 85.1 | 88.8 | 83.3 | 79.8 | 83.1 | 93.3 | 85.4 | 84.0 | 87.3 | 91.9 | 89.8 | 86.0 | 89.3 | | | |
| 140 | 92.8 | 84.9 | 78.8 | 75.6 | 82.9 | 73.6 | 75.7 | 79.4 | 89.2 | 80.9 | 78.2 | 81.1 | 88.0 | 81.3 | 80.4 | 82.7 | | | |
| 145 | 87.7 | 80.3 | 75.5 | 72.2 | 77.0 | 70.2 | 72.4 | 77.4 | 84.0 | 77.3 | 73.6 | 74.6 | 82.3 | 74.0 | 76.4 | 78.7 | | | |
| 150 | 81.3 | 76.6 | 71.8 | 68.8 | 71.9 | 68.8 | 70.6 | 73.9 | 78.9 | 73.2 | 70.7 | 71.6 | 75.6 | 72.3 | 73.8 | 76.1 | | | |
| 155 | 74.7 | 72.4 | 67.6 | 65.7 | 67.7 | 67.5 | 68.6 | 70.6 | 74.2 | 69.2 | 67.7 | 68.6 | 70.5 | 69.4 | 71.0 | 73.0 | | | |
| 160 | 70.7 | 69.2 | 63.9 | 62.7 | 65.0 | 66.2 | 65.9 | 66.7 | 70.6 | 65.5 | 63.9 | 65.9 | 66.3 | 66.1 | 68.7 | 71.8 | | | |
| 165 | 67.8 | 66.4 | 61.9 | 60.8 | 63.7 | 64.6 | 64.0 | 64.1 | 67.7 | 63.0 | 61.2 | 63.5 | 64.1 | 63.2 | 67.2 | 71.0 | | | |
| 170 | 70.1 | 71.0 | 71.2 | 66.0 | 69.3 | 70.9 | 71.6 | 66.7 | 70.9 | 66.2 | 68.4 | 68.6 | 66.6 | 65.4 | 70.3 | 73.9 | | | |
| 175 | 75.3 | 75.1 | 71.4 | 70.3 | 74.5 | 75.5 | 70.1 | 70.8 | 74.5 | 71.1 | 69.2 | 73.7 | 74.5 | 70.2 | 70.8 | 76.2 | | | |
| 180 | 77.0 | 74.1 | 73.9 | 73.4 | 78.7 | 74.7 | 73.1 | 74.9 | 76.9 | 74.1 | 73.9 | 73.4 | 78.7 | 74.7 | 73.1 | 75.0 | | | |

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 C Interval: 22.5DEG
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 Operators:
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
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