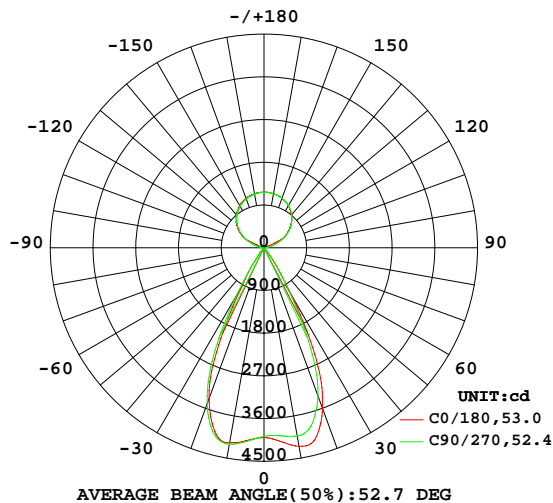


LUMINAIRE PHOTOMETRIC TEST REPORT

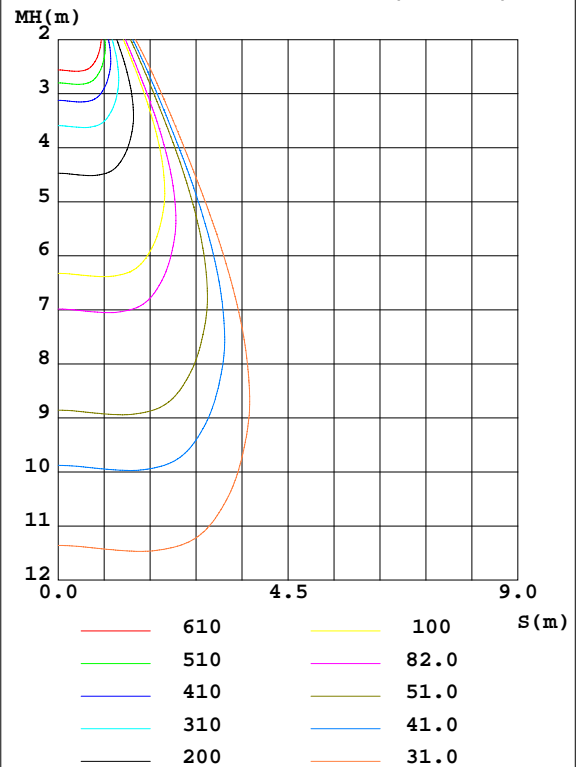
| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 130.50 lm/W | | | |
|------------------|---------|-----------------------------------|---------|------------------------|-----------|
| MODEL | | Imax(cd) | 4267 | S/MH(C0/180) | 0.78 |
| NOMINAL POWER(W) | 50 | LOR(%) | 100.0 | S/MH(C90/270) | 0.76 |
| RATED VOLTAGE(V) | 230.0 | TOTAL FLUX(lm) | 6107.4 | η UP,DN(C0-180) | 26.9,22.9 |
| NOMINAL FLUX(lm) | 6107.35 | CIE CLASS | DIFFUSE | η UP,DN(C180-360) | 26.6,23.5 |
| LAMPS INSIDE | 1 | η up(%) | 53.5 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 230.0 | η down(%) | 46.5 | CIBSE SHR MAX | 0.75 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

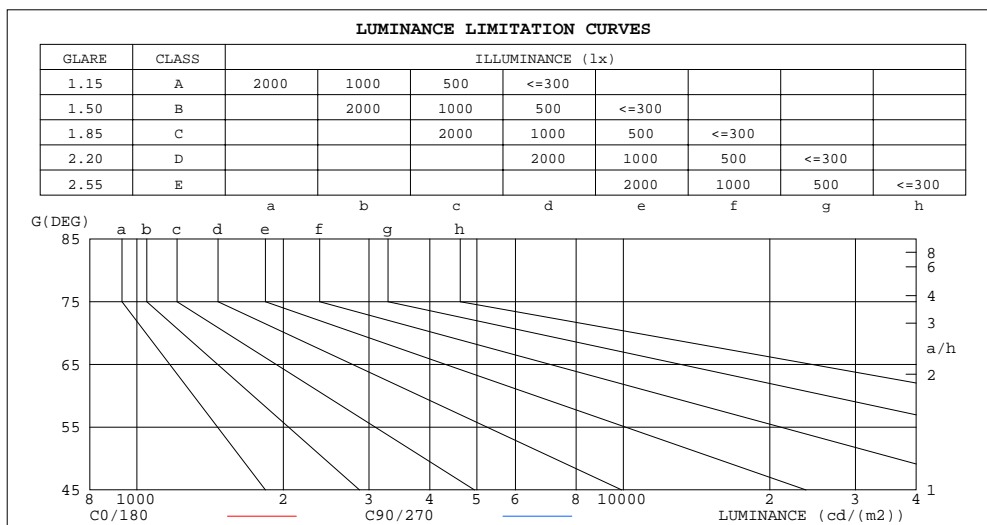
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|---------------|
| 10 | 4246 | 4134 | 4027 | 4054 | 4173 | 4199 | 4201 | 4226 | 0- 10 | 390.6 | 390.6 | 6.4,6.4 |
| 20 | 3602 | 3450 | 3324 | 3303 | 3387 | 3460 | 3502 | 3570 | 10- 20 | 1107 | 1497 | 24.5,24.5 |
| 30 | 1176 | 1118 | 1087 | 986.7 | 938.6 | 1035 | 1158 | 1203 | 20- 30 | 1058 | 2555 | 41.8,41.8 |
| 40 | 83.10 | 96.93 | 99.87 | 91.85 | 49.46 | 63.38 | 52.71 | 70.98 | 30- 40 | 265.7 | 2821 | 46.2,46.2 |
| 50 | 1.560 | 2.218 | 1.135 | 1.734 | 1.319 | 1.678 | 1.091 | 1.879 | 40- 50 | 13.38 | 2834 | 46.4,46.4 |
| 60 | 0.7736 | 0.3688 | 0.2749 | 0.4718 | 0.9334 | 0.7789 | 0.3697 | 0.6627 | 50- 60 | 0.7740 | 2835 | 46.4,46.4 |
| 70 | 0.7249 | 0.2821 | 0.1674 | 0.5155 | 1.203 | 0.8335 | 0.2234 | 0.6704 | 60- 70 | 0.5416 | 2836 | 46.4,46.4 |
| 80 | 1.100 | 0.3894 | 0.1326 | 0.8802 | 2.260 | 1.481 | 0.1803 | 1.160 | 70- 80 | 0.7771 | 2837 | 46.4,46.4 |
| 90 | 1.211 | 0.3334 | 2.281 | 1.779 | 3.359 | 3.023 | 1.507 | 0.8086 | 80- 90 | 1.407 | 2838 | 46.5,46.5 |
| 100 | 30.77 | 22.09 | 83.55 | 26.45 | 31.72 | 25.30 | 78.41 | 21.86 | 90-100 | 20.25 | 2858 | 46.8,46.8 |
| 110 | 52.76 | 206.5 | 301.4 | 267.8 | 68.96 | 268.7 | 296.4 | 202.0 | 100-110 | 117.0 | 2975 | 48.7,48.7 |
| 120 | 528.6 | 535.9 | 542.4 | 541.8 | 551.9 | 534.1 | 528.1 | 515.2 | 110-120 | 392.7 | 3368 | 55.1,55.1 |
| 130 | 738.7 | 744.6 | 749.4 | 748.6 | 749.4 | 735.5 | 730.4 | 725.5 | 120-130 | 572.9 | 3941 | 64.5,64.5 |
| 140 | 900.3 | 908.4 | 909.8 | 911.6 | 904.7 | 895.9 | 889.6 | 892.2 | 130-140 | 636.3 | 4577 | 74.9,74.9 |
| 150 | 1025 | 1030 | 1029 | 1031 | 1025 | 1018 | 1011 | 1018 | 140-150 | 605.3 | 5182 | 84.9,84.9 |
| 160 | 1110 | 1112 | 1111 | 1113 | 1110 | 1102 | 1098 | 1104 | 150-160 | 493.4 | 5676 | 92.9,92.9 |
| 170 | 1157 | 1157 | 1157 | 1158 | 1156 | 1151 | 1150 | 1154 | 160-170 | 320.7 | 5996 | 98.2,98.2 |
| 180 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 170-180 | 111.0 | 6107 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 570 | 44 |
| 80 | 217 | 26 |
| 75 | 117 | 20 |
| 70 | 73 | 17 |
| 65 | 57 | 16 |
| 60 | 53 | 19 |
| 55 | 62 | 31 |
| 50 | 83 | 60 |
| 45 | 314 | 420 |

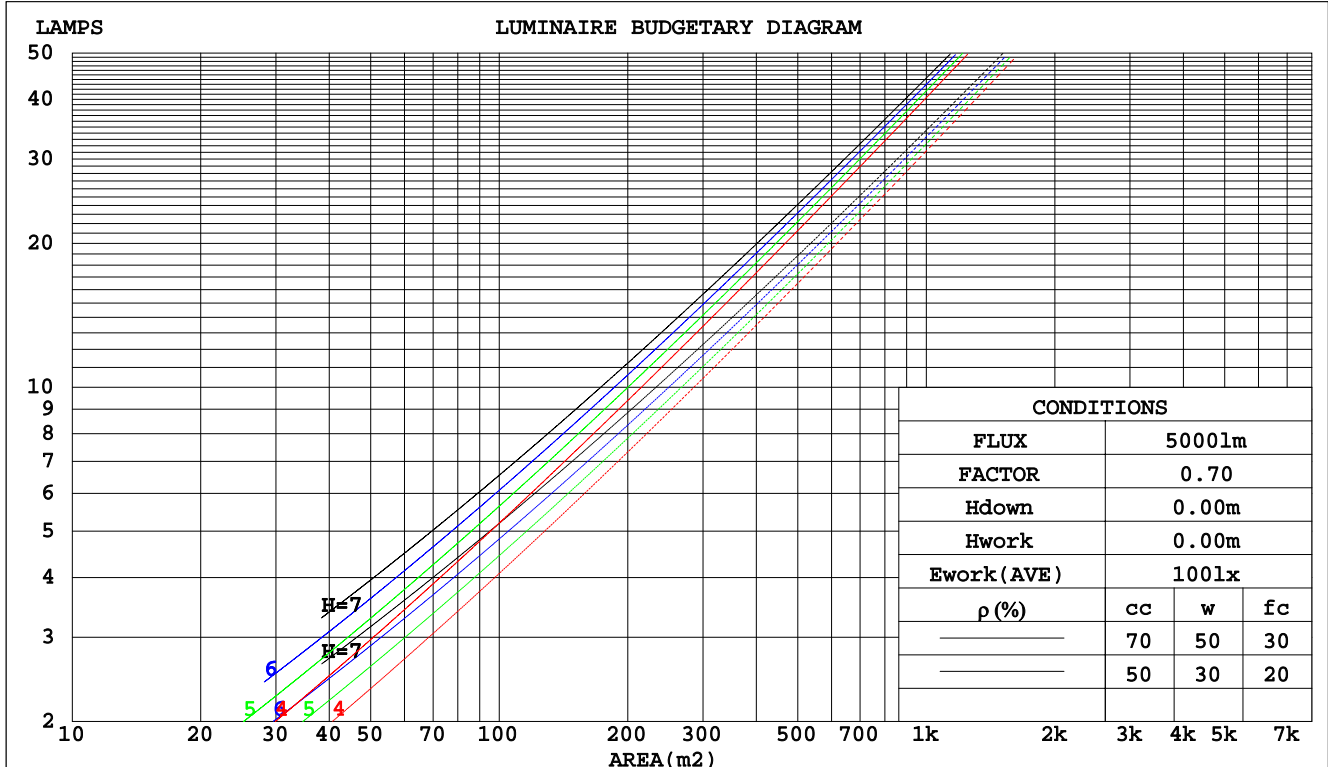
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | 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 | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.06 | 1.06 | 1.06 | .98 | .98 | .98 | .81 | .81 | .81 | .67 | .67 | .67 | .53 | .53 | .53 | .46 |
| 1.0 | .96 | .93 | .91 | .89 | .86 | .84 | .75 | .73 | .72 | .62 | .61 | .60 | .51 | .50 | .49 | .44 |
| 2.0 | .87 | .83 | .79 | .81 | .77 | .74 | .69 | .67 | .64 | .58 | .57 | .55 | .48 | .47 | .46 | .42 |
| 3.0 | .80 | .74 | .70 | .74 | .70 | .66 | .64 | .61 | .58 | .55 | .53 | .51 | .46 | .45 | .43 | .40 |
| 4.0 | .73 | .67 | .63 | .69 | .63 | .59 | .60 | .56 | .53 | .51 | .49 | .47 | .44 | .42 | .41 | .38 |
| 5.0 | .68 | .61 | .57 | .64 | .58 | .54 | .56 | .52 | .49 | .48 | .46 | .44 | .42 | .40 | .39 | .36 |
| 6.0 | .63 | .56 | .52 | .59 | .54 | .50 | .52 | .48 | .45 | .46 | .43 | .41 | .40 | .38 | .36 | .34 |
| 7.0 | .58 | .52 | .48 | .55 | .50 | .46 | .49 | .45 | .42 | .43 | .40 | .38 | .38 | .36 | .34 | .32 |
| 8.0 | .55 | .48 | .44 | .52 | .46 | .42 | .46 | .42 | .39 | .41 | .38 | .36 | .36 | .34 | .33 | .31 |
| 9.0 | .51 | .45 | .41 | .48 | .43 | .39 | .44 | .39 | .37 | .39 | .36 | .34 | .35 | .32 | .31 | .29 |
| 10.0 | .48 | .42 | .38 | .46 | .40 | .37 | .41 | .37 | .34 | .37 | .34 | .32 | .33 | .31 | .29 | .28 |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

WEC AND CCEC

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | 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 | .212 | .120 | .038 | .189 | .108 | .034 | .146 | .084 | .027 | .106 | .061 | .020 | .070 | .040 | .013 | | |
| 2.0 | .197 | .108 | .033 | .176 | .097 | .030 | .137 | .076 | .024 | .101 | .057 | .018 | .068 | .038 | .012 | | |
| 3.0 | .183 | .097 | .029 | .164 | .088 | .026 | .129 | .070 | .021 | .096 | .053 | .016 | .065 | .036 | .011 | | |
| 4.0 | .171 | .089 | .026 | .154 | .081 | .024 | .121 | .064 | .019 | .091 | .049 | .015 | .063 | .034 | .010 | | |
| 5.0 | .160 | .082 | .024 | .145 | .074 | .022 | .115 | .060 | .018 | .087 | .046 | .014 | .061 | .033 | .010 | | |
| 6.0 | .151 | .076 | .022 | .136 | .069 | .020 | .109 | .056 | .016 | .083 | .043 | .013 | .059 | .031 | .009 | | |
| 7.0 | .142 | .070 | .020 | .129 | .064 | .018 | .103 | .052 | .015 | .079 | .041 | .012 | .057 | .029 | .009 | | |
| 8.0 | .135 | .066 | .019 | .122 | .060 | .017 | .098 | .049 | .014 | .076 | .038 | .011 | .055 | .028 | .008 | | |
| 9.0 | .128 | .062 | .017 | .116 | .057 | .016 | .094 | .046 | .013 | .073 | .037 | .010 | .053 | .027 | .008 | | |
| 10.0 | .121 | .058 | .016 | .111 | .053 | .015 | .090 | .044 | .012 | .070 | .035 | .010 | .051 | .026 | .007 | | |

| 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 | .598 | .598 | .598 | .511 | .511 | .511 | .349 | .349 | .349 | .201 | .201 | .201 | .064 | .064 | .064 | |
| 1.0 | .585 | .568 | .553 | .500 | .488 | .476 | .342 | .336 | .329 | .197 | .194 | .192 | .063 | .062 | .062 | |
| 2.0 | .574 | .546 | .524 | .491 | .470 | .453 | .337 | .325 | .316 | .194 | .189 | .185 | .062 | .061 | .060 | |
| 3.0 | .564 | .530 | .503 | .483 | .457 | .436 | .332 | .318 | .306 | .192 | .185 | .180 | .062 | .060 | .059 | |
| 4.0 | .556 | .517 | .488 | .477 | .447 | .424 | .328 | .311 | .299 | .190 | .182 | .177 | .061 | .059 | .058 | |
| 5.0 | .548 | .507 | .477 | .471 | .439 | .415 | .324 | .307 | .293 | .188 | .180 | .174 | .061 | .059 | .057 | |
| 6.0 | .542 | .499 | .469 | .466 | .432 | .408 | .321 | .303 | .289 | .186 | .178 | .172 | .060 | .058 | .057 | |
| 7.0 | .536 | .493 | .463 | .461 | .427 | .403 | .319 | .300 | .286 | .185 | .176 | .170 | .060 | .058 | .056 | |
| 8.0 | .531 | .487 | .458 | .457 | .423 | .399 | .316 | .297 | .283 | .184 | .175 | .169 | .059 | .057 | .056 | |
| 9.0 | .526 | .483 | .454 | .453 | .419 | .396 | .314 | .295 | .281 | .183 | .174 | .168 | .059 | .057 | .056 | |
| 10.0 | .521 | .479 | .451 | .449 | .416 | .394 | .312 | .293 | .280 | .182 | .173 | .167 | .059 | .057 | .055 | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|----------------------------------------------------------------------------------|------------------|-----|------------------|-----|-----|------------------|-----|-----|-----|-----|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | | | | | | | | | |
| NAME: | | | TYPE: | | | WEIGHT: | | | | |
| SPEC.: | | | DIM.: 1175*38*66 | | | SERIAL No.: | | | | |
| MFR.: A3812400-01 | | | SUR.:1.168*0.025 | | | 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 | 7.1 | 7.8 | 8.0 | 8.6 | 9.7 | 7.1 | 7.8 | 8.0 | 8.6 | 9.7 |
| 3H | 6.8 | 7.4 | 7.7 | 8.3 | 9.4 | 6.8 | 7.4 | 7.7 | 8.3 | 9.4 |
| 4H | 6.6 | 7.2 | 7.6 | 8.1 | 9.2 | 6.6 | 7.2 | 7.5 | 8.1 | 9.2 |
| 6H | 6.5 | 7.0 | 7.4 | 7.9 | 9.1 | 6.4 | 7.0 | 7.4 | 7.9 | 9.1 |
| 8H | 6.4 | 6.9 | 7.3 | 7.8 | 9.0 | 6.4 | 6.9 | 7.3 | 7.8 | 9.0 |
| 12H | 6.3 | 6.8 | 7.3 | 7.7 | 8.9 | 6.3 | 6.7 | 7.2 | 7.7 | 8.9 |
| 4H 2H | 6.6 | 7.2 | 7.6 | 8.1 | 9.2 | 6.6 | 7.2 | 7.5 | 8.1 | 9.2 |
| 3H | 6.3 | 6.8 | 7.2 | 7.7 | 8.9 | 6.3 | 6.7 | 7.2 | 7.7 | 8.9 |
| 4H | 6.1 | 6.5 | 7.1 | 7.5 | 8.7 | 6.1 | 6.5 | 7.1 | 7.5 | 8.7 |
| 6H | 5.9 | 6.3 | 6.9 | 7.3 | 8.5 | 5.9 | 6.3 | 6.9 | 7.2 | 8.5 |
| 8H | 5.8 | 6.2 | 6.8 | 7.1 | 8.4 | 5.8 | 6.1 | 6.8 | 7.1 | 8.4 |
| 12H | 5.7 | 6.0 | 6.8 | 7.0 | 8.4 | 5.7 | 6.0 | 6.7 | 7.0 | 8.3 |
| 8H 4H | 5.8 | 6.1 | 6.8 | 7.1 | 8.4 | 5.8 | 6.1 | 6.8 | 7.1 | 8.4 |
| 6H | 5.6 | 5.9 | 6.6 | 6.9 | 8.2 | 5.6 | 5.9 | 6.6 | 6.9 | 8.2 |
| 8H | 5.5 | 5.8 | 6.6 | 6.8 | 8.1 | 5.5 | 5.7 | 6.5 | 6.8 | 8.1 |
| 12H | 5.4 | 5.6 | 6.5 | 6.7 | 8.1 | 5.4 | 5.6 | 6.5 | 6.6 | 8.0 |
| 12H 4H | 5.7 | 6.0 | 6.7 | 7.0 | 8.3 | 5.7 | 6.0 | 6.7 | 7.0 | 8.3 |
| 6H | 5.5 | 5.8 | 6.6 | 6.8 | 8.1 | 5.5 | 5.7 | 6.5 | 6.8 | 8.1 |
| 8H | 5.4 | 5.6 | 6.5 | 6.7 | 8.0 | 5.4 | 5.6 | 6.5 | 6.6 | 8.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 4.8 / -15.6 | | | | | + 4.6 / -21.4 | | | | |
| 1.5H | + 7.6 / -15.8 | | | | | + 7.4 / -21.0 | | | | |
| 2.0H | + 2.9 / - 1.3 | | | | | + 6.3 / - 3.2 | | | | |

CIE Pub.117, 6107 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.3$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |

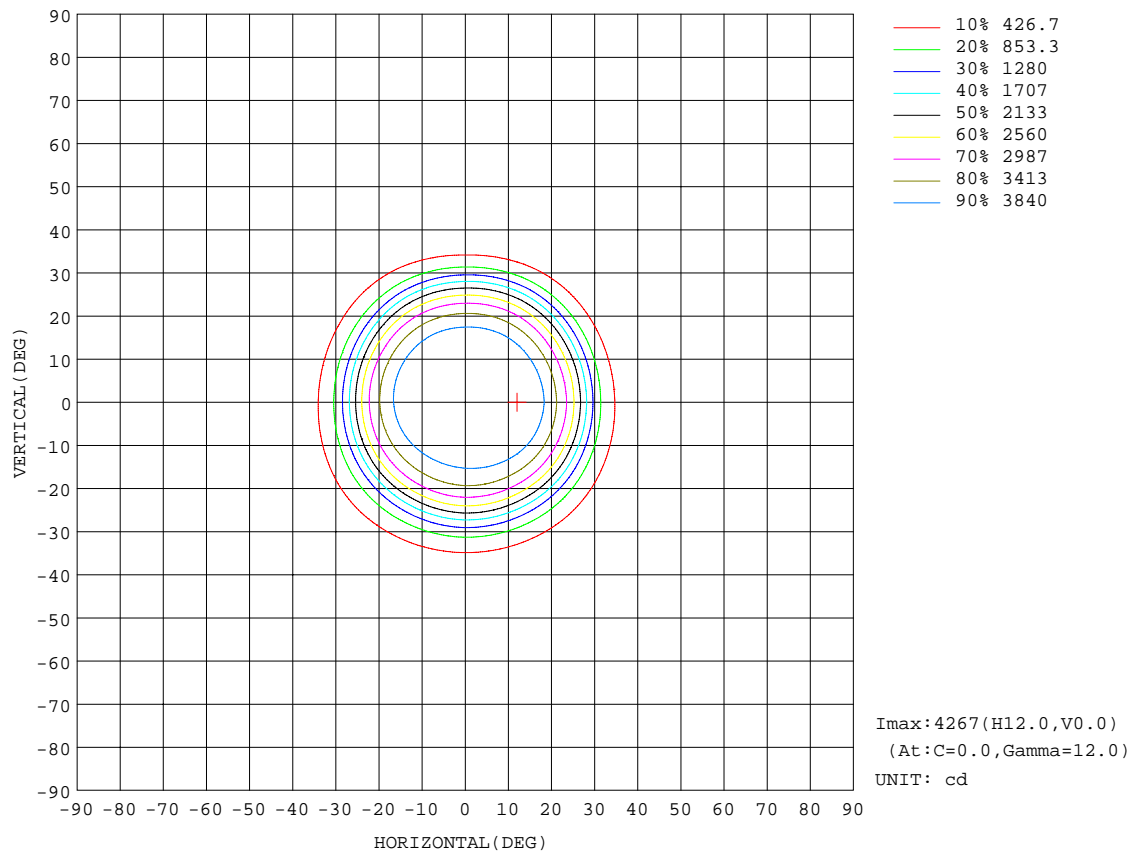
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 59 | 51 | 46 | 56 | 49 | 45 | 52 | 46 | 43 | 37 |
| 0.80 | 67 | 58 | 53 | 63 | 56 | 52 | 57 | 52 | 49 | 40 |
| 1.00 | 72 | 64 | 58 | 68 | 61 | 56 | 61 | 56 | 52 | 42 |
| 1.25 | 78 | 69 | 64 | 73 | 66 | 61 | 64 | 60 | 56 | 43 |
| 1.50 | 82 | 74 | 68 | 76 | 70 | 65 | 67 | 62 | 59 | 44 |
| 2.00 | 86 | 79 | 74 | 81 | 75 | 70 | 70 | 66 | 63 | 45 |
| 2.50 | 90 | 83 | 78 | 83 | 78 | 74 | 72 | 68 | 65 | 45 |
| 3.00 | 92 | 87 | 82 | 86 | 81 | 77 | 73 | 70 | 67 | 45 |
| 4.00 | 96 | 91 | 87 | 88 | 85 | 81 | 75 | 73 | 71 | 46 |
| 5.00 | 98 | 94 | 90 | 90 | 87 | 84 | 77 | 75 | 73 | 46 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |

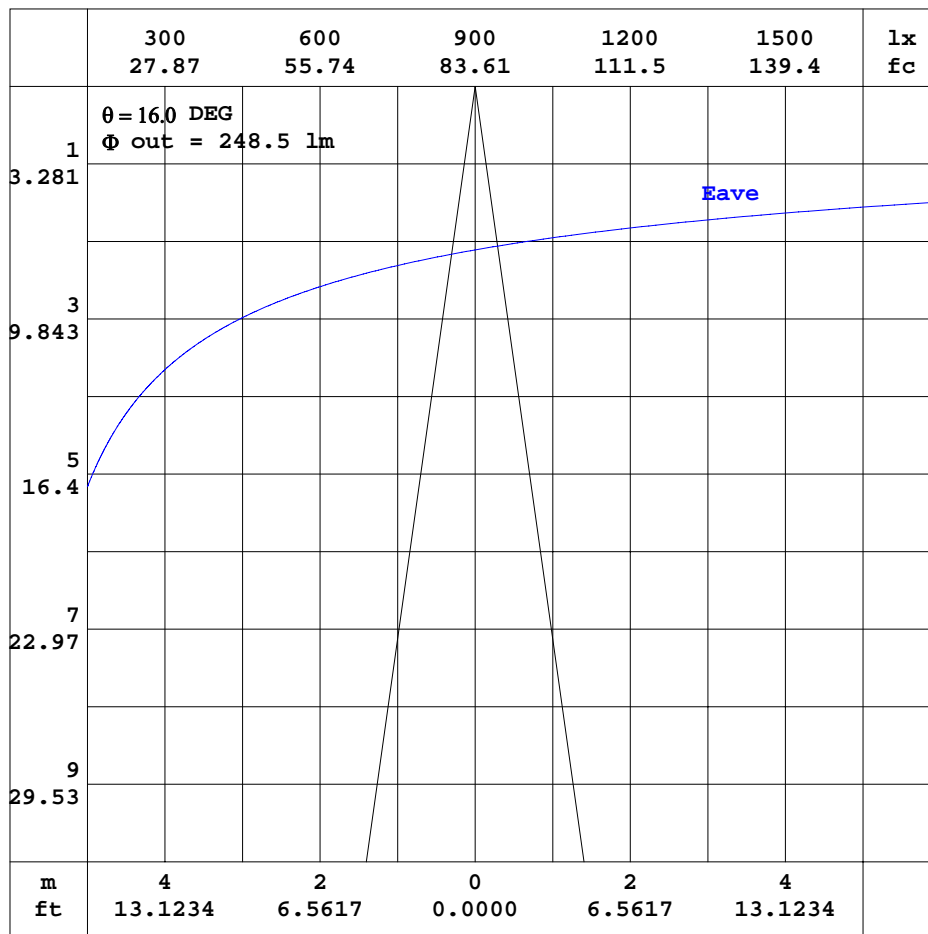


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

AAI CURVES

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |



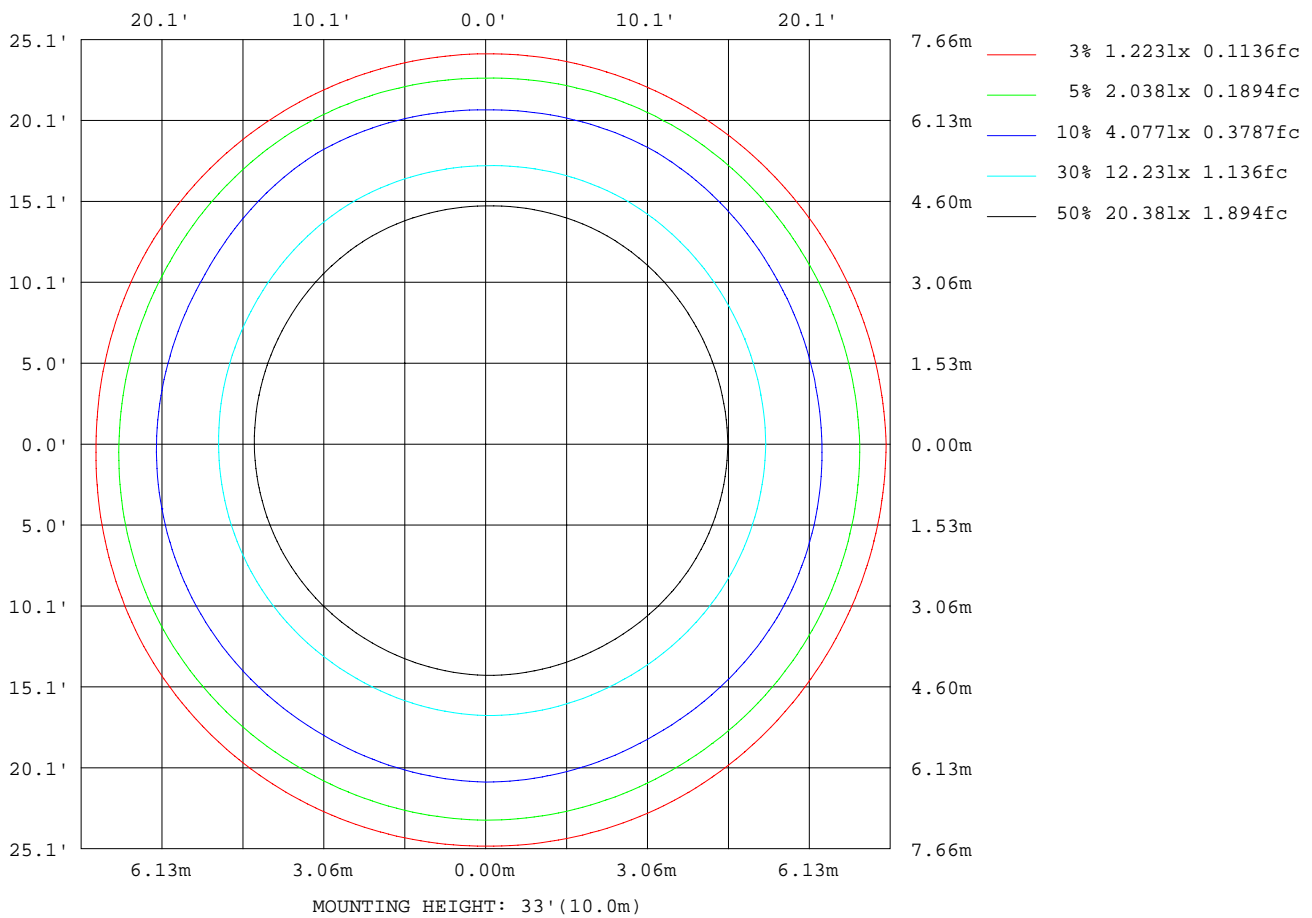
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 11.700m [K=0.8547]
 Remarks:

ISOLUX DIAGRAM

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LED Avg.L Report

| | | |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 1175*38*66 | SERIAL No.: |
| MFR.: A3812400-01 | SUR.:1.168*0.025 | Shielding Angle: |

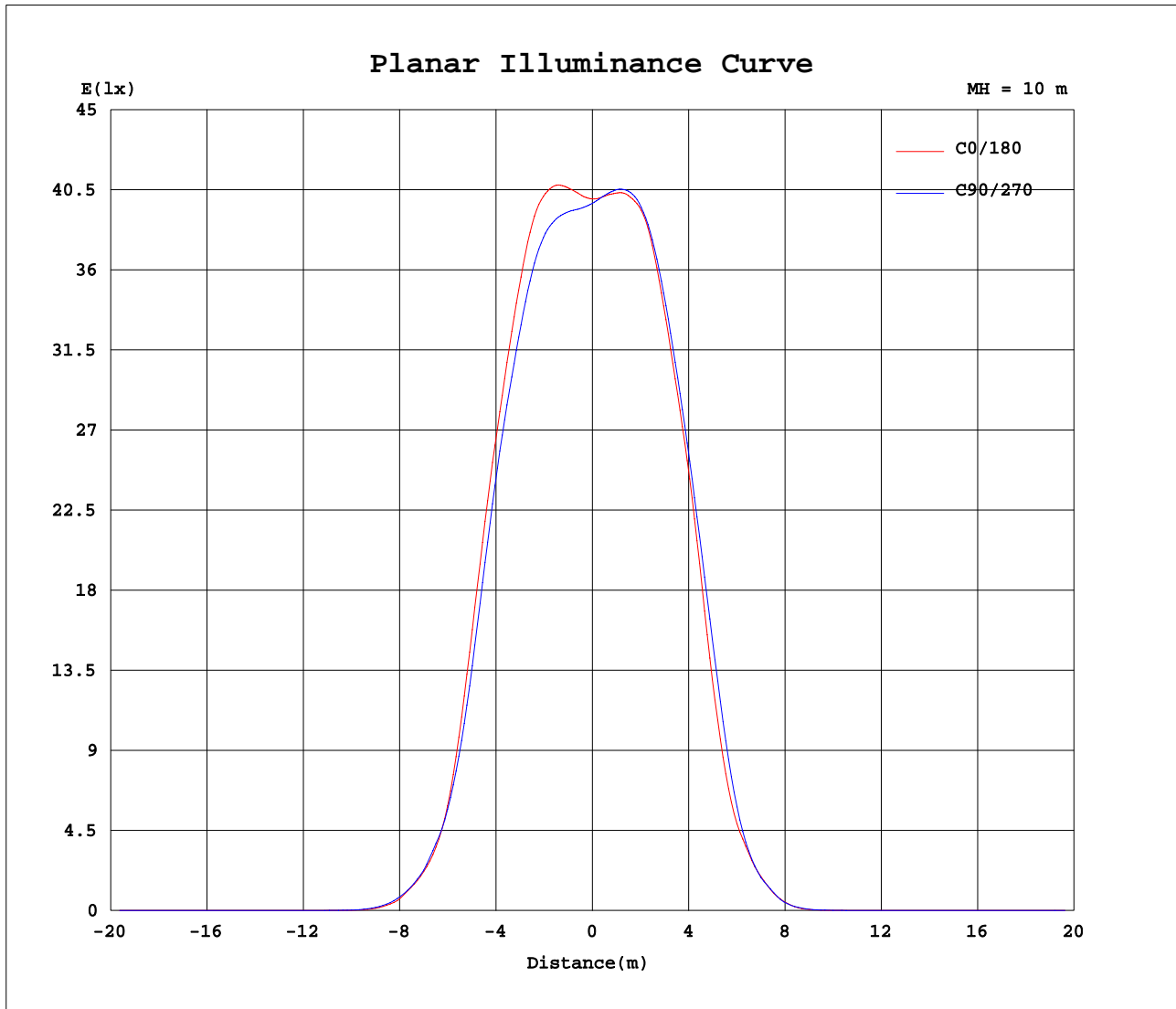
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 69 |
| L_0~180(75)av | 163 |
| L_0~180(85)av | 990 |
| L_90~270(65)av | 19 |
| L_90~270(75)av | 23 |
| L_90~270(85)av | 52 |
| L_45(65)av | 43 |
| L_45(75)av | 95 |
| L_45(85)av | 508 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|------------------|--|--|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: 1175*38*66 | | | | | | SERIAL No.: | | |
| MFR.: A3812400-01 | | | | | | | | | SUR.:1.168*0.025 | | | | | | Shielding Angle: | | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3999 | 3997 | 3995 | 3992 | 3990 | 3988 | 3986 | 3985 | 3983 | 3982 | 3980 | 3979 | 3978 | 3977 | 3977 | 3976 | 3976 | 3975 | 3975 |
| 5 | 4099 | 4091 | 4083 | 4075 | 4068 | 4060 | 4053 | 4045 | 4037 | 4030 | 4023 | 4016 | 4009 | 4002 | 3996 | 3990 | 3985 | 3981 | 3977 |
| 10 | 4246 | 4236 | 4225 | 4214 | 4202 | 4190 | 4177 | 4163 | 4149 | 4134 | 4120 | 4105 | 4091 | 4078 | 4065 | 4053 | 4043 | 4034 | 4027 |
| 15 | 4169 | 4157 | 4144 | 4130 | 4115 | 4098 | 4080 | 4058 | 4035 | 4012 | 3989 | 3966 | 3945 | 3927 | 3911 | 3897 | 3884 | 3873 | 3864 |
| 20 | 3602 | 3592 | 3581 | 3568 | 3553 | 3537 | 3520 | 3497 | 3474 | 3450 | 3426 | 3404 | 3383 | 3369 | 3357 | 3347 | 3338 | 3330 | 3324 |
| 25 | 2617 | 2611 | 2602 | 2591 | 2577 | 2560 | 2541 | 2513 | 2484 | 2453 | 2424 | 2395 | 2369 | 2357 | 2347 | 2339 | 2332 | 2325 | 2318 |
| 30 | 1176 | 1173 | 1169 | 1164 | 1158 | 1152 | 1146 | 1136 | 1127 | 1118 | 1109 | 1101 | 1093 | 1092 | 1092 | 1092 | 1092 | 1090 | 1087 |
| 35 | 400 | 403 | 406 | 409 | 411 | 413 | 414 | 414 | 414 | 413 | 412 | 411 | 410 | 411 | 412 | 413 | 414 | 414 | 413 |
| 40 | 83.1 | 85.6 | 87.8 | 89.8 | 91.6 | 93.2 | 94.6 | 95.5 | 96.3 | 96.9 | 97.4 | 97.8 | 98.1 | 98.6 | 99.0 | 99.4 | 99.7 | 99.8 | 99.9 |
| 45 | 6.49 | 7.73 | 8.87 | 9.91 | 10.8 | 11.7 | 12.4 | 13.1 | 13.8 | 14.2 | 14.5 | 14.7 | 14.6 | 13.7 | 12.6 | 11.5 | 10.4 | 9.41 | 8.67 |
| 50 | 1.56 | 1.63 | 1.71 | 1.78 | 1.84 | 1.91 | 1.97 | 2.06 | 2.15 | 2.22 | 2.27 | 2.29 | 2.28 | 2.10 | 1.89 | 1.68 | 1.47 | 1.28 | 1.14 |
| 55 | 1.03 | 0.94 | 0.87 | 0.80 | 0.74 | 0.70 | 0.67 | 0.66 | 0.67 | 0.68 | 0.69 | 0.70 | 0.71 | 0.67 | 0.64 | 0.60 | 0.57 | 0.54 | 0.52 |
| 60 | 0.77 | 0.68 | 0.59 | 0.52 | 0.45 | 0.41 | 0.37 | 0.36 | 0.36 | 0.37 | 0.38 | 0.39 | 0.40 | 0.38 | 0.36 | 0.33 | 0.31 | 0.29 | 0.27 |
| 65 | 0.70 | 0.60 | 0.51 | 0.44 | 0.37 | 0.32 | 0.28 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.28 | 0.26 | 0.25 | 0.23 | 0.21 | 0.20 | 0.20 |
| 70 | 0.72 | 0.62 | 0.52 | 0.44 | 0.38 | 0.32 | 0.28 | 0.27 | 0.27 | 0.28 | 0.29 | 0.31 | 0.32 | 0.29 | 0.26 | 0.23 | 0.20 | 0.18 | 0.17 |
| 75 | 0.88 | 0.75 | 0.63 | 0.53 | 0.44 | 0.37 | 0.32 | 0.30 | 0.30 | 0.30 | 0.31 | 0.32 | 0.33 | 0.30 | 0.26 | 0.22 | 0.19 | 0.16 | 0.15 |
| 80 | 1.10 | 0.94 | 0.79 | 0.67 | 0.56 | 0.47 | 0.41 | 0.39 | 0.38 | 0.39 | 0.40 | 0.41 | 0.42 | 0.36 | 0.30 | 0.24 | 0.19 | 0.15 | 0.13 |
| 85 | 1.45 | 1.21 | 1.00 | 0.82 | 0.66 | 0.53 | 0.43 | 0.39 | 0.37 | 0.37 | 0.38 | 0.39 | 0.40 | 0.34 | 0.27 | 0.21 | 0.16 | 0.12 | 0.11 |
| 90 | 1.21 | 1.04 | 0.88 | 0.75 | 0.63 | 0.52 | 0.44 | 0.39 | 0.36 | 0.33 | 0.32 | 0.31 | 0.30 | 0.23 | 0.17 | 0.12 | 0.09 | 0.08 | 2.28 |
| 95 | 20.4 | 20.7 | 21.0 | 21.0 | 21.0 | 20.7 | 20.3 | 19.4 | 18.4 | 17.3 | 16.3 | 15.5 | 14.8 | 15.3 | 15.9 | 16.6 | 17.4 | 18.1 | 18.7 |
| 100 | 30.8 | 30.9 | 30.8 | 30.6 | 30.3 | 29.8 | 29.2 | 26.6 | 24.1 | 22.1 | 21.0 | 21.1 | 22.7 | 33.1 | 44.5 | 56.1 | 67.0 | 76.4 | 83.6 |
| 105 | 40.0 | 29.7 | 23.3 | 21.0 | 22.7 | 28.4 | 38.1 | 59.6 | 83.7 | 109 | 135 | 159 | 181 | 187 | 189 | 189 | 187 | 184 | 181 |
| 110 | 52.8 | 53.1 | 57.0 | 64.7 | 75.9 | 90.8 | 109 | 140 | 173 | 207 | 239 | 270 | 297 | 306 | 310 | 311 | 310 | 306 | 301 |
| 115 | 340 | 355 | 370 | 382 | 393 | 402 | 410 | 414 | 417 | 419 | 420 | 421 | 420 | 422 | 423 | 423 | 424 | 424 | 424 |
| 120 | 529 | 528 | 528 | 528 | 528 | 528 | 529 | 531 | 534 | 536 | 538 | 540 | 542 | 543 | 543 | 544 | 543 | 543 | 542 |
| 125 | 639 | 639 | 638 | 638 | 639 | 639 | 640 | 642 | 643 | 645 | 647 | 649 | 651 | 652 | 653 | 653 | 653 | 653 | 653 |
| 130 | 739 | 738 | 738 | 738 | 738 | 738 | 739 | 741 | 743 | 745 | 747 | 748 | 750 | 751 | 751 | 751 | 750 | 750 | 749 |
| 135 | 825 | 825 | 824 | 824 | 824 | 825 | 826 | 827 | 829 | 831 | 833 | 835 | 836 | 837 | 836 | 836 | 836 | 835 | 835 |
| 140 | 900 | 901 | 901 | 902 | 903 | 903 | 904 | 906 | 907 | 908 | 910 | 911 | 912 | 912 | 911 | 911 | 911 | 910 | 910 |
| 145 | 968 | 968 | 969 | 970 | 971 | 971 | 972 | 973 | 974 | 975 | 976 | 976 | 977 | 977 | 976 | 976 | 975 | 975 | 975 |
| 150 | 1025 | 1026 | 1026 | 1027 | 1027 | 1028 | 1028 | 1029 | 1029 | 1030 | 1030 | 1031 | 1031 | 1031 | 1030 | 1030 | 1030 | 1029 | 1029 |
| 155 | 1073 | 1073 | 1073 | 1073 | 1074 | 1074 | 1074 | 1074 | 1075 | 1075 | 1076 | 1076 | 1076 | 1076 | 1076 | 1075 | 1075 | 1075 | 1074 |
| 160 | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 | 1111 | 1111 | 1112 | 1112 | 1112 | 1112 | 1112 | 1112 | 1112 | 1111 | 1111 | 1111 |
| 165 | 1138 | 1138 | 1138 | 1138 | 1138 | 1138 | 1138 | 1138 | 1138 | 1138 | 1139 | 1139 | 1139 | 1139 | 1139 | 1138 | 1138 | 1138 | 1138 |
| 170 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1158 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 |
| 175 | 1170 | 1170 | 1169 | 1169 | 1169 | 1169 | 1168 | 1168 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 |
| 180 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| SPEC.: | | | | | | | | | DIM.: 1175*38*66 | | | | | SERIAL No.: | | | | |
| MFR.: A3812400-01 | | | | | | | | | SUR.:1.168*0.025 | | | | | Shielding Angle: | | | | |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3974 | 3972 | 3971 | 3970 | 3969 | 3969 | 3967 | 3966 | 3966 | 3965 | 3966 | 3967 | 3972 | 3978 | 3984 | 3990 | 3995 | 3999 | 3999 |
| 5 | 3975 | 3975 | 3974 | 3975 | 3976 | 3979 | 3981 | 3984 | 3987 | 3992 | 3998 | 4005 | 4016 | 4028 | 4041 | 4053 | 4064 | 4075 | 4080 |
| 10 | 4024 | 4023 | 4024 | 4026 | 4030 | 4034 | 4040 | 4046 | 4054 | 4062 | 4072 | 4083 | 4098 | 4114 | 4130 | 4145 | 4160 | 4173 | 4181 |
| 15 | 3858 | 3853 | 3850 | 3850 | 3851 | 3855 | 3862 | 3870 | 3881 | 3892 | 3905 | 3919 | 3935 | 3950 | 3966 | 3981 | 3995 | 4008 | 4015 |
| 20 | 3315 | 3306 | 3299 | 3294 | 3290 | 3287 | 3291 | 3296 | 3303 | 3312 | 3321 | 3331 | 3340 | 3350 | 3359 | 3369 | 3378 | 3387 | 3394 |
| 25 | 2302 | 2284 | 2267 | 2252 | 2237 | 2225 | 2224 | 2224 | 2227 | 2232 | 2237 | 2243 | 2245 | 2246 | 2248 | 2252 | 2256 | 2261 | 2270 |
| 30 | 1075 | 1061 | 1046 | 1031 | 1016 | 1003 | 996 | 991 | 987 | 983 | 980 | 976 | 969 | 961 | 953 | 947 | 942 | 939 | 940 |
| 35 | 411 | 407 | 404 | 400 | 396 | 393 | 392 | 391 | 389 | 388 | 387 | 384 | 379 | 373 | 367 | 360 | 354 | 348 | 344 |
| 40 | 99.8 | 99.5 | 99.0 | 98.4 | 97.5 | 96.4 | 95.2 | 93.7 | 91.9 | 89.6 | 86.8 | 83.5 | 77.5 | 71.2 | 65.0 | 59.1 | 53.8 | 49.5 | 49.6 |
| 45 | 9.31 | 10.1 | 11.1 | 12.0 | 12.9 | 13.6 | 13.0 | 12.3 | 11.3 | 10.3 | 9.11 | 7.94 | 6.98 | 6.07 | 5.26 | 4.56 | 4.00 | 3.60 | 3.79 |
| 50 | 1.21 | 1.32 | 1.46 | 1.61 | 1.75 | 1.88 | 1.85 | 1.80 | 1.73 | 1.65 | 1.56 | 1.48 | 1.43 | 1.38 | 1.35 | 1.33 | 1.32 | 1.32 | 1.37 |
| 55 | 0.55 | 0.59 | 0.63 | 0.67 | 0.71 | 0.74 | 0.73 | 0.71 | 0.69 | 0.67 | 0.66 | 0.65 | 0.69 | 0.74 | 0.79 | 0.85 | 0.91 | 0.96 | 1.01 |
| 60 | 0.30 | 0.33 | 0.36 | 0.40 | 0.44 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.48 | 0.50 | 0.57 | 0.64 | 0.71 | 0.79 | 0.87 | 0.93 | 0.97 |
| 65 | 0.23 | 0.26 | 0.30 | 0.34 | 0.38 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.45 | 0.47 | 0.55 | 0.65 | 0.74 | 0.84 | 0.93 | 1.01 | 1.04 |
| 70 | 0.21 | 0.26 | 0.32 | 0.38 | 0.44 | 0.49 | 0.50 | 0.51 | 0.52 | 0.53 | 0.55 | 0.58 | 0.68 | 0.79 | 0.90 | 1.01 | 1.12 | 1.20 | 1.23 |
| 75 | 0.21 | 0.27 | 0.35 | 0.43 | 0.51 | 0.58 | 0.61 | 0.62 | 0.65 | 0.67 | 0.71 | 0.76 | 0.89 | 1.04 | 1.18 | 1.33 | 1.46 | 1.58 | 1.63 |
| 80 | 0.20 | 0.28 | 0.38 | 0.49 | 0.61 | 0.72 | 0.77 | 0.83 | 0.88 | 0.94 | 1.02 | 1.11 | 1.30 | 1.51 | 1.72 | 1.92 | 2.10 | 2.26 | 2.32 |
| 85 | 0.18 | 0.28 | 0.39 | 0.53 | 0.68 | 0.84 | 0.99 | 1.14 | 1.31 | 1.49 | 1.69 | 1.90 | 2.21 | 2.53 | 2.84 | 3.13 | 3.38 | 3.59 | 3.63 |
| 90 | 0.23 | 0.39 | 0.58 | 0.78 | 1.00 | 1.22 | 1.41 | 1.59 | 1.78 | 1.96 | 2.15 | 2.33 | 2.52 | 2.71 | 2.90 | 3.07 | 3.22 | 3.36 | 3.49 |
| 95 | 18.1 | 17.4 | 16.6 | 15.9 | 15.3 | 14.8 | 15.6 | 16.5 | 17.6 | 18.7 | 19.9 | 21.0 | 21.5 | 22.0 | 22.3 | 22.4 | 22.5 | 22.5 | 22.4 |
| 100 | 78.1 | 70.2 | 60.7 | 50.3 | 39.9 | 30.1 | 27.7 | 26.6 | 26.5 | 27.1 | 28.2 | 29.7 | 30.0 | 30.4 | 30.8 | 31.2 | 31.5 | 31.7 | 31.5 |
| 105 | 186 | 190 | 193 | 194 | 192 | 187 | 165 | 140 | 113 | 86.6 | 61.4 | 39.0 | 33.1 | 30.7 | 31.1 | 33.4 | 37.1 | 41.3 | 37.0 |
| 110 | 303 | 304 | 305 | 304 | 302 | 298 | 290 | 280 | 268 | 254 | 238 | 220 | 190 | 159 | 130 | 105 | 83.5 | 69.0 | 82.2 |
| 115 | 422 | 420 | 418 | 417 | 416 | 415 | 418 | 422 | 425 | 429 | 433 | 436 | 436 | 435 | 434 | 433 | 431 | 430 | 429 |
| 120 | 541 | 539 | 538 | 536 | 535 | 535 | 537 | 539 | 542 | 545 | 547 | 550 | 551 | 552 | 553 | 553 | 553 | 552 | 550 |
| 125 | 652 | 651 | 649 | 648 | 647 | 647 | 648 | 649 | 651 | 652 | 654 | 656 | 656 | 657 | 657 | 657 | 656 | 656 | 654 |
| 130 | 749 | 749 | 748 | 748 | 748 | 747 | 748 | 748 | 749 | 749 | 749 | 750 | 750 | 750 | 751 | 750 | 750 | 749 | 748 |
| 135 | 835 | 835 | 836 | 836 | 836 | 836 | 836 | 836 | 835 | 834 | 834 | 833 | 833 | 833 | 833 | 833 | 832 | 832 | 831 |
| 140 | 911 | 911 | 912 | 913 | 914 | 914 | 913 | 913 | 912 | 911 | 909 | 908 | 908 | 907 | 907 | 906 | 905 | 905 | 904 |
| 145 | 975 | 976 | 976 | 977 | 978 | 978 | 978 | 977 | 977 | 976 | 975 | 974 | 973 | 973 | 972 | 971 | 970 | 969 | 969 |
| 150 | 1030 | 1030 | 1030 | 1031 | 1031 | 1032 | 1032 | 1031 | 1031 | 1031 | 1030 | 1030 | 1029 | 1028 | 1028 | 1027 | 1026 | 1025 | 1024 |
| 155 | 1075 | 1075 | 1075 | 1076 | 1076 | 1076 | 1077 | 1077 | 1076 | 1076 | 1076 | 1076 | 1075 | 1075 | 1074 | 1074 | 1073 | 1072 | 1071 |
| 160 | 1111 | 1111 | 1112 | 1112 | 1112 | 1113 | 1113 | 1113 | 1113 | 1112 | 1112 | 1112 | 1112 | 1111 | 1111 | 1111 | 1110 | 1110 | 1109 |
| 165 | 1138 | 1138 | 1139 | 1139 | 1139 | 1140 | 1140 | 1140 | 1139 | 1139 | 1139 | 1138 | 1138 | 1138 | 1138 | 1138 | 1137 | 1137 | 1136 |
| 170 | 1157 | 1157 | 1157 | 1158 | 1158 | 1158 | 1158 | 1158 | 1158 | 1158 | 1158 | 1157 | 1157 | 1157 | 1157 | 1157 | 1157 | 1156 | 1156 |
| 175 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1169 | 1168 |
| 180 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| SPEC.: | | | | | | | | | DIM.: 1175*38*66 | | | | | SERIAL No.: | | | | |
| MFR.: A3812400-01 | | | | | | | | | SUR.:1.168*0.025 | | | | | Shielding Angle: | | | | |

Table--3

UNIT: cd

| C(DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3998 | 3995 | 3993 | 3990 | 3986 | 3985 | 3983 | 3982 | 3980 | 3979 | 3978 | 3977 | 3977 | 3976 | 3976 | 3975 | 3975 | 3974 | 3972 |
| 5 | 4083 | 4085 | 4087 | 4087 | 4087 | 4088 | 4088 | 4088 | 4088 | 4088 | 4087 | 4088 | 4089 | 4089 | 4090 | 4091 | 4091 | 4091 | 4091 |
| 10 | 4186 | 4191 | 4194 | 4196 | 4197 | 4198 | 4199 | 4199 | 4199 | 4198 | 4198 | 4198 | 4198 | 4198 | 4199 | 4200 | 4201 | 4203 | 4206 |
| 15 | 4021 | 4026 | 4030 | 4033 | 4036 | 4041 | 4045 | 4050 | 4053 | 4057 | 4060 | 4060 | 4060 | 4060 | 4060 | 4061 | 4063 | 4068 | 4075 |
| 20 | 3401 | 3408 | 3414 | 3421 | 3429 | 3439 | 3450 | 3460 | 3471 | 3480 | 3489 | 3492 | 3494 | 3495 | 3497 | 3499 | 3502 | 3511 | 3521 |
| 25 | 2280 | 2292 | 2305 | 2320 | 2337 | 2360 | 2384 | 2408 | 2432 | 2455 | 2475 | 2485 | 2494 | 2500 | 2506 | 2512 | 2517 | 2531 | 2545 |
| 30 | 943 | 948 | 956 | 965 | 977 | 995 | 1014 | 1035 | 1055 | 1076 | 1095 | 1108 | 1119 | 1130 | 1139 | 1149 | 1158 | 1173 | 1187 |
| 35 | 341 | 338 | 336 | 334 | 333 | 334 | 336 | 337 | 340 | 341 | 343 | 342 | 341 | 340 | 339 | 339 | 339 | 342 | 346 |
| 40 | 50.7 | 52.6 | 55.1 | 57.8 | 60.5 | 61.7 | 62.7 | 63.4 | 63.8 | 63.8 | 63.5 | 61.6 | 59.5 | 57.4 | 55.4 | 53.8 | 52.7 | 54.3 | 56.5 |
| 45 | 4.13 | 4.59 | 5.12 | 5.69 | 6.26 | 6.62 | 6.93 | 7.17 | 7.33 | 7.39 | 7.36 | 6.81 | 6.20 | 5.58 | 5.00 | 4.53 | 4.21 | 4.70 | 5.36 |
| 50 | 1.43 | 1.50 | 1.57 | 1.63 | 1.69 | 1.70 | 1.69 | 1.68 | 1.65 | 1.61 | 1.56 | 1.47 | 1.37 | 1.28 | 1.20 | 1.13 | 1.09 | 1.15 | 1.24 |
| 55 | 1.05 | 1.08 | 1.10 | 1.11 | 1.11 | 1.07 | 1.02 | 0.96 | 0.89 | 0.83 | 0.76 | 0.73 | 0.69 | 0.66 | 0.64 | 0.63 | 0.62 | 0.62 | 0.63 |
| 60 | 1.00 | 1.02 | 1.03 | 1.02 | 1.00 | 0.93 | 0.86 | 0.78 | 0.69 | 0.61 | 0.53 | 0.49 | 0.45 | 0.42 | 0.39 | 0.38 | 0.37 | 0.37 | 0.37 |
| 65 | 1.07 | 1.08 | 1.08 | 1.06 | 1.03 | 0.96 | 0.88 | 0.79 | 0.70 | 0.61 | 0.53 | 0.46 | 0.40 | 0.35 | 0.31 | 0.28 | 0.27 | 0.27 | 0.29 |
| 70 | 1.23 | 1.22 | 1.19 | 1.15 | 1.09 | 1.01 | 0.93 | 0.83 | 0.74 | 0.64 | 0.55 | 0.47 | 0.40 | 0.34 | 0.29 | 0.25 | 0.22 | 0.23 | 0.25 |
| 75 | 1.65 | 1.65 | 1.63 | 1.58 | 1.51 | 1.38 | 1.24 | 1.09 | 0.93 | 0.77 | 0.62 | 0.51 | 0.42 | 0.34 | 0.28 | 0.23 | 0.20 | 0.20 | 0.22 |
| 80 | 2.35 | 2.35 | 2.31 | 2.23 | 2.12 | 1.93 | 1.71 | 1.48 | 1.24 | 1.01 | 0.78 | 0.63 | 0.49 | 0.38 | 0.29 | 0.22 | 0.18 | 0.17 | 0.18 |
| 85 | 3.62 | 3.56 | 3.45 | 3.29 | 3.10 | 2.85 | 2.57 | 2.28 | 1.97 | 1.66 | 1.36 | 1.09 | 0.85 | 0.63 | 0.43 | 0.27 | 0.15 | 0.12 | 0.13 |
| 90 | 3.59 | 3.66 | 3.70 | 3.69 | 3.64 | 3.48 | 3.27 | 3.02 | 2.75 | 2.44 | 2.12 | 1.76 | 1.39 | 1.04 | 0.70 | 0.41 | 1.51 | 0.06 | 0.02 |
| 95 | 22.2 | 21.9 | 21.6 | 21.1 | 20.5 | 19.6 | 18.7 | 17.7 | 16.7 | 15.8 | 15.0 | 14.7 | 14.4 | 14.2 | 14.2 | 14.1 | 14.2 | 14.0 | 13.9 |
| 100 | 31.2 | 30.9 | 30.5 | 30.0 | 29.6 | 27.8 | 26.3 | 25.3 | 25.0 | 25.7 | 27.7 | 36.8 | 46.6 | 56.4 | 65.5 | 73.1 | 78.4 | 71.9 | 63.3 |
| 105 | 33.4 | 31.0 | 30.7 | 33.1 | 39.0 | 61.8 | 87.4 | 114 | 141 | 166 | 188 | 193 | 194 | 193 | 189 | 183 | 177 | 179 | 181 |
| 110 | 102 | 127 | 155 | 185 | 215 | 234 | 253 | 269 | 283 | 294 | 304 | 307 | 307 | 306 | 304 | 300 | 296 | 299 | 300 |
| 115 | 428 | 427 | 427 | 426 | 425 | 424 | 424 | 423 | 422 | 421 | 420 | 419 | 419 | 418 | 417 | 416 | 415 | 412 | 410 |
| 120 | 548 | 545 | 543 | 540 | 538 | 536 | 535 | 534 | 533 | 532 | 532 | 531 | 531 | 530 | 530 | 529 | 528 | 526 | 523 |
| 125 | 652 | 650 | 648 | 646 | 644 | 642 | 641 | 640 | 639 | 638 | 638 | 637 | 637 | 636 | 636 | 635 | 635 | 632 | 630 |
| 130 | 746 | 744 | 742 | 740 | 738 | 737 | 736 | 736 | 735 | 734 | 734 | 733 | 733 | 732 | 732 | 731 | 730 | 729 | 727 |
| 135 | 829 | 827 | 826 | 824 | 823 | 822 | 821 | 820 | 820 | 819 | 819 | 818 | 818 | 817 | 816 | 816 | 815 | 814 | 813 |
| 140 | 903 | 902 | 901 | 900 | 899 | 898 | 897 | 896 | 895 | 894 | 894 | 893 | 892 | 891 | 891 | 890 | 890 | 889 | 889 |
| 145 | 968 | 967 | 966 | 965 | 964 | 964 | 963 | 962 | 961 | 960 | 959 | 958 | 957 | 956 | 955 | 955 | 954 | 954 | 955 |
| 150 | 1024 | 1023 | 1022 | 1021 | 1020 | 1020 | 1019 | 1018 | 1017 | 1016 | 1015 | 1014 | 1013 | 1012 | 1012 | 1012 | 1011 | 1011 | 1012 |
| 155 | 1070 | 1070 | 1069 | 1068 | 1067 | 1066 | 1065 | 1064 | 1063 | 1062 | 1062 | 1061 | 1060 | 1060 | 1059 | 1059 | 1059 | 1059 | 1059 |
| 160 | 1108 | 1107 | 1106 | 1105 | 1104 | 1103 | 1102 | 1102 | 1101 | 1101 | 1100 | 1099 | 1099 | 1098 | 1098 | 1098 | 1098 | 1098 | 1099 |
| 165 | 1135 | 1135 | 1134 | 1133 | 1132 | 1131 | 1131 | 1131 | 1130 | 1130 | 1129 | 1129 | 1129 | 1128 | 1128 | 1128 | 1128 | 1128 | 1128 |
| 170 | 1155 | 1154 | 1154 | 1153 | 1152 | 1152 | 1151 | 1151 | 1151 | 1150 | 1150 | 1150 | 1150 | 1149 | 1149 | 1149 | 1150 | 1150 | 1150 |
| 175 | 1168 | 1167 | 1166 | 1166 | 1165 | 1165 | 1165 | 1164 | 1164 | 1164 | 1164 | 1164 | 1164 | 1164 | 1164 | 1164 | 1164 | 1164 | 1165 |
| 180 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2022-11-29

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|------------------|--|--|--|--|--|------------------|--|--|
| Test:U:229.73V I:0.2090A P:46.799W PF:0.9747 Freq:49.99Hz Lamp Flux:6107.35x1 lm | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: 1175*38*66 | | | | | | SERIAL No.: | | |
| MFR.: A3812400-01 | | | | | | | | | SUR.:1.168*0.025 | | | | | | Shielding Angle: | | |

Table--4

UNIT: cd

| C(DEC) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| γ (DEC) | | | | | | | | | | | | | | | | | | | |
| 0 | 3971 | 3970 | 3969 | 3969 | 3967 | 3966 | 3966 | 3965 | 3966 | 3967 | 3970 | 3974 | 3979 | 3985 | 3992 | | | | |
| 5 | 4090 | 4090 | 4090 | 4089 | 4089 | 4088 | 4088 | 4088 | 4088 | 4088 | 4089 | 4090 | 4092 | 4094 | 4096 | | | | |
| 10 | 4208 | 4211 | 4215 | 4218 | 4220 | 4223 | 4226 | 4228 | 4231 | 4233 | 4235 | 4238 | 4240 | 4242 | 4244 | | | | |
| 15 | 4083 | 4090 | 4098 | 4106 | 4111 | 4116 | 4120 | 4125 | 4129 | 4134 | 4139 | 4145 | 4150 | 4156 | 4162 | | | | |
| 20 | 3532 | 3542 | 3552 | 3561 | 3565 | 3568 | 3570 | 3571 | 3572 | 3574 | 3577 | 3581 | 3586 | 3591 | 3596 | | | | |
| 25 | 2559 | 2572 | 2584 | 2594 | 2597 | 2597 | 2597 | 2595 | 2594 | 2593 | 2595 | 2598 | 2602 | 2606 | 2611 | | | | |
| 30 | 1200 | 1212 | 1221 | 1227 | 1221 | 1213 | 1203 | 1192 | 1181 | 1171 | 1168 | 1166 | 1166 | 1168 | 1171 | | | | |
| 35 | 350 | 354 | 359 | 363 | 364 | 365 | 367 | 368 | 369 | 371 | 375 | 378 | 383 | 388 | 393 | | | | |
| 40 | 59.1 | 61.9 | 64.8 | 67.6 | 68.9 | 70.0 | 71.0 | 71.9 | 72.8 | 73.7 | 75.0 | 76.5 | 78.0 | 79.6 | 81.3 | | | | |
| 45 | 6.12 | 6.93 | 7.76 | 8.54 | 8.94 | 9.25 | 9.46 | 9.57 | 9.58 | 9.47 | 9.25 | 8.91 | 8.47 | 7.92 | 7.26 | | | | |
| 50 | 1.34 | 1.45 | 1.57 | 1.68 | 1.76 | 1.83 | 1.88 | 1.92 | 1.94 | 1.95 | 1.93 | 1.90 | 1.84 | 1.76 | 1.67 | | | | |
| 55 | 0.64 | 0.66 | 0.69 | 0.72 | 0.78 | 0.83 | 0.89 | 0.95 | 1.00 | 1.05 | 1.07 | 1.08 | 1.08 | 1.08 | 1.06 | | | | |
| 60 | 0.39 | 0.41 | 0.44 | 0.47 | 0.53 | 0.60 | 0.66 | 0.73 | 0.78 | 0.83 | 0.85 | 0.86 | 0.86 | 0.84 | 0.81 | | | | |
| 65 | 0.32 | 0.35 | 0.40 | 0.45 | 0.51 | 0.57 | 0.64 | 0.70 | 0.75 | 0.80 | 0.81 | 0.81 | 0.80 | 0.78 | 0.75 | | | | |
| 70 | 0.28 | 0.33 | 0.38 | 0.44 | 0.51 | 0.59 | 0.67 | 0.74 | 0.81 | 0.86 | 0.88 | 0.88 | 0.86 | 0.83 | 0.79 | | | | |
| 75 | 0.25 | 0.30 | 0.37 | 0.45 | 0.57 | 0.70 | 0.84 | 0.96 | 1.07 | 1.16 | 1.18 | 1.18 | 1.15 | 1.09 | 1.00 | | | | |
| 80 | 0.22 | 0.28 | 0.37 | 0.49 | 0.70 | 0.93 | 1.16 | 1.38 | 1.57 | 1.72 | 1.74 | 1.72 | 1.64 | 1.51 | 1.33 | | | | |
| 85 | 0.18 | 0.26 | 0.37 | 0.52 | 0.74 | 0.98 | 1.21 | 1.44 | 1.65 | 1.82 | 1.88 | 1.88 | 1.85 | 1.76 | 1.63 | | | | |
| 90 | 0.03 | 0.08 | 0.17 | 0.28 | 0.45 | 0.62 | 0.81 | 0.99 | 1.16 | 1.31 | 1.37 | 1.40 | 1.40 | 1.37 | 1.30 | | | | |
| 95 | 13.9 | 14.0 | 14.1 | 14.4 | 15.2 | 16.0 | 16.9 | 17.9 | 18.8 | 19.6 | 20.0 | 20.3 | 20.5 | 20.6 | 20.5 | | | | |
| 100 | 53.2 | 42.5 | 32.0 | 22.5 | 20.9 | 20.8 | 21.9 | 23.7 | 26.0 | 28.5 | 29.2 | 29.7 | 30.1 | 30.5 | 30.7 | | | | |
| 105 | 182 | 180 | 177 | 171 | 150 | 127 | 103 | 79.6 | 57.2 | 37.4 | 28.4 | 23.2 | 21.7 | 24.1 | 30.2 | | | | |
| 110 | 300 | 298 | 292 | 283 | 259 | 231 | 202 | 172 | 142 | 114 | 96.7 | 82.0 | 70.2 | 61.4 | 55.6 | | | | |
| 115 | 407 | 404 | 402 | 400 | 401 | 402 | 403 | 403 | 402 | 400 | 394 | 387 | 377 | 366 | 354 | | | | |
| 120 | 520 | 518 | 515 | 514 | 514 | 514 | 515 | 517 | 518 | 520 | 521 | 522 | 524 | 525 | 527 | | | | |
| 125 | 628 | 626 | 624 | 622 | 623 | 624 | 625 | 627 | 629 | 631 | 632 | 634 | 635 | 636 | 638 | | | | |
| 130 | 726 | 724 | 723 | 723 | 723 | 724 | 726 | 727 | 729 | 730 | 732 | 733 | 735 | 736 | 737 | | | | |
| 135 | 813 | 812 | 811 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 819 | 820 | 821 | 822 | 824 | | | | |
| 140 | 889 | 889 | 889 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | | | | |
| 145 | 955 | 956 | 956 | 957 | 958 | 959 | 961 | 962 | 963 | 964 | 965 | 966 | 966 | 967 | 967 | | | | |
| 150 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1022 | 1022 | 1023 | 1024 | 1025 | 1025 | | | | |
| 155 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1070 | 1071 | 1072 | 1072 | | | | |
| 160 | 1099 | 1100 | 1101 | 1101 | 1102 | 1103 | 1104 | 1105 | 1105 | 1106 | 1107 | 1108 | 1108 | 1109 | 1110 | | | | |
| 165 | 1129 | 1130 | 1130 | 1131 | 1132 | 1132 | 1133 | 1134 | 1134 | 1135 | 1136 | 1136 | 1137 | 1137 | 1138 | | | | |
| 170 | 1150 | 1151 | 1151 | 1152 | 1152 | 1153 | 1154 | 1154 | 1155 | 1155 | 1156 | 1156 | 1156 | 1157 | 1157 | | | | |
| 175 | 1165 | 1165 | 1165 | 1166 | 1166 | 1166 | 1167 | 1167 | 1168 | 1168 | 1169 | 1169 | 1169 | 1169 | 1170 | | | | |
| 180 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | 1173 | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-29

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks: