

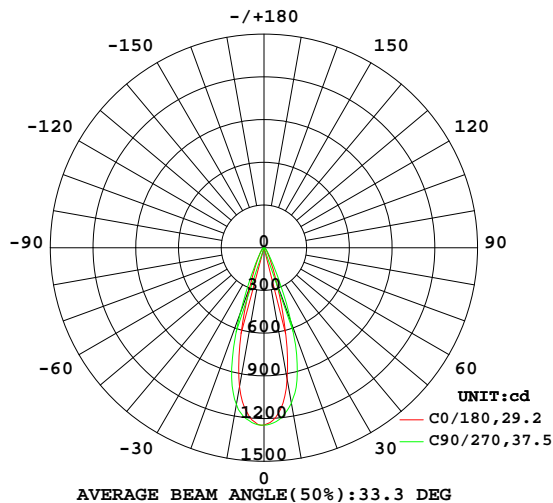
TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

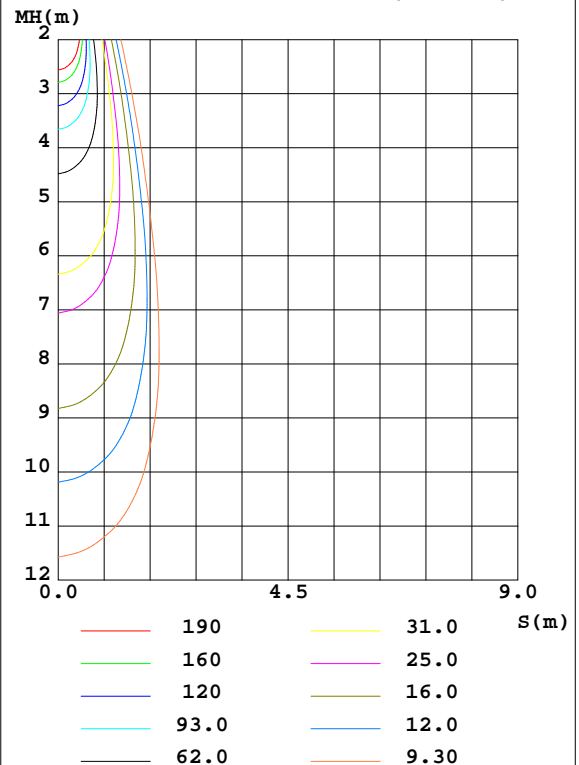
| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 43.60 lm/W | | | |
|------------------|----------------------|----------------------------------|--------|------------------------|----------|
| MODEL | XHP35A-H-30H-D0-U-01 | Imax(cd) | 1249 | S/MH(C0/180) | 0.48 |
| NOMINAL POWER(W) | 10 | LOR(%) | 100.0 | S/MH(C90/270) | 0.55 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 480.13 | η UP,DN(C0-180) | 1.2,50.4 |
| NOMINAL FLUX(lm) | 480.131 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.2,47.2 |
| LAMPS INSIDE | 1 | η up(%) | 2.4 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 120 | η down(%) | 97.6 | CIBSE SHR MAX | 0.50 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|---------------|
| 10 | 937.5 | 883.1 | 1108 | 1145 | 990.9 | 991.9 | 1118 | 1092 | 0- 10 | 109.2 | 109.2 | 22.7,22.7 |
| 20 | 256.0 | 210.8 | 561.7 | 620.4 | 295.5 | 270.3 | 486.9 | 434.2 | 10- 20 | 194.0 | 303.2 | 63.1,63.1 |
| 30 | 70.13 | 65.18 | 107.4 | 127.5 | 80.52 | 72.89 | 93.00 | 87.79 | 20- 30 | 87.70 | 390.9 | 81.4,81.4 |
| 40 | 29.20 | 28.98 | 38.66 | 44.02 | 33.26 | 31.86 | 35.24 | 32.74 | 30- 40 | 34.11 | 425.0 | 88.5,88.5 |
| 50 | 16.32 | 16.17 | 19.87 | 21.98 | 17.88 | 17.34 | 18.69 | 18.03 | 40- 50 | 19.29 | 444.3 | 92.5,92.5 |
| 60 | 9.304 | 9.096 | 11.46 | 12.58 | 10.25 | 9.888 | 11.05 | 10.56 | 50- 60 | 12.54 | 456.8 | 95.1,95.1 |
| 70 | 4.674 | 4.580 | 5.904 | 6.483 | 5.188 | 4.975 | 5.536 | 5.253 | 60- 70 | 7.682 | 464.5 | 96.7,96.7 |
| 80 | 1.279 | 1.247 | 1.762 | 2.087 | 1.540 | 1.506 | 1.508 | 1.282 | 70- 80 | 3.490 | 468.0 | 97.5,97.5 |
| 90 | 0.1599 | 0.1569 | 0.1571 | 0.1798 | 0.1623 | 0.1569 | 0.1482 | 0.1475 | 80- 90 | 0.5929 | 468.6 | 97.6,97.6 |
| 100 | 0.2074 | 0.2040 | 0.2035 | 0.2023 | 0.1965 | 0.1931 | 0.2191 | 0.2245 | 90-100 | 0.1882 | 468.8 | 97.6,97.6 |
| 110 | 0.3155 | 0.3104 | 0.3162 | 0.3035 | 0.2893 | 0.2885 | 0.3409 | 0.3610 | 100-110 | 0.2684 | 469.0 | 97.7,97.7 |
| 120 | 0.6173 | 0.5651 | 0.6541 | 0.6176 | 0.5058 | 0.4972 | 0.7042 | 0.7620 | 110-120 | 0.4285 | 469.5 | 97.8,97.8 |
| 130 | 1.640 | 1.555 | 1.743 | 1.670 | 1.313 | 1.273 | 1.792 | 1.945 | 120-130 | 0.9152 | 470.4 | 98,98 |
| 140 | 3.628 | 3.608 | 3.539 | 3.371 | 3.157 | 3.170 | 3.588 | 3.740 | 130-140 | 1.908 | 472.3 | 98.4,98.4 |
| 150 | 5.748 | 5.785 | 5.411 | 5.210 | 5.412 | 5.470 | 5.495 | 5.487 | 140-150 | 2.813 | 475.1 | 99,99 |
| 160 | 6.434 | 6.543 | 6.278 | 6.167 | 6.502 | 6.656 | 6.337 | 5.957 | 150-160 | 2.806 | 477.9 | 99.5,99.5 |
| 170 | 5.550 | 5.520 | 5.430 | 5.578 | 5.750 | 5.934 | 5.513 | 5.044 | 160-170 | 1.725 | 479.6 | 99.9,99.9 |
| 180 | 4.871 | 4.988 | 5.048 | 5.089 | 4.882 | 4.986 | 5.046 | 5.091 | 170-180 | 0.4997 | 480.1 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

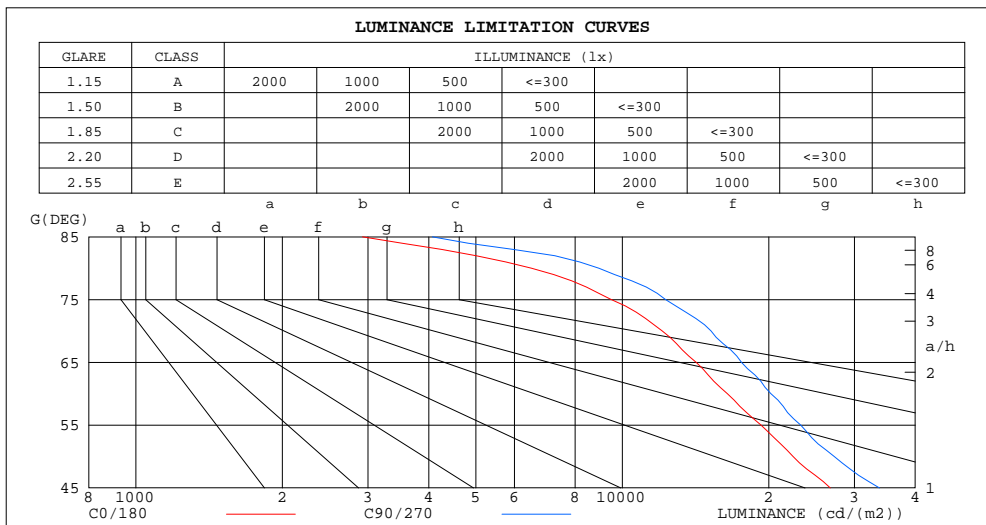
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:CJY
 Test Date:2024-08-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

LUMINANCE LIMITATION CURVES

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-31

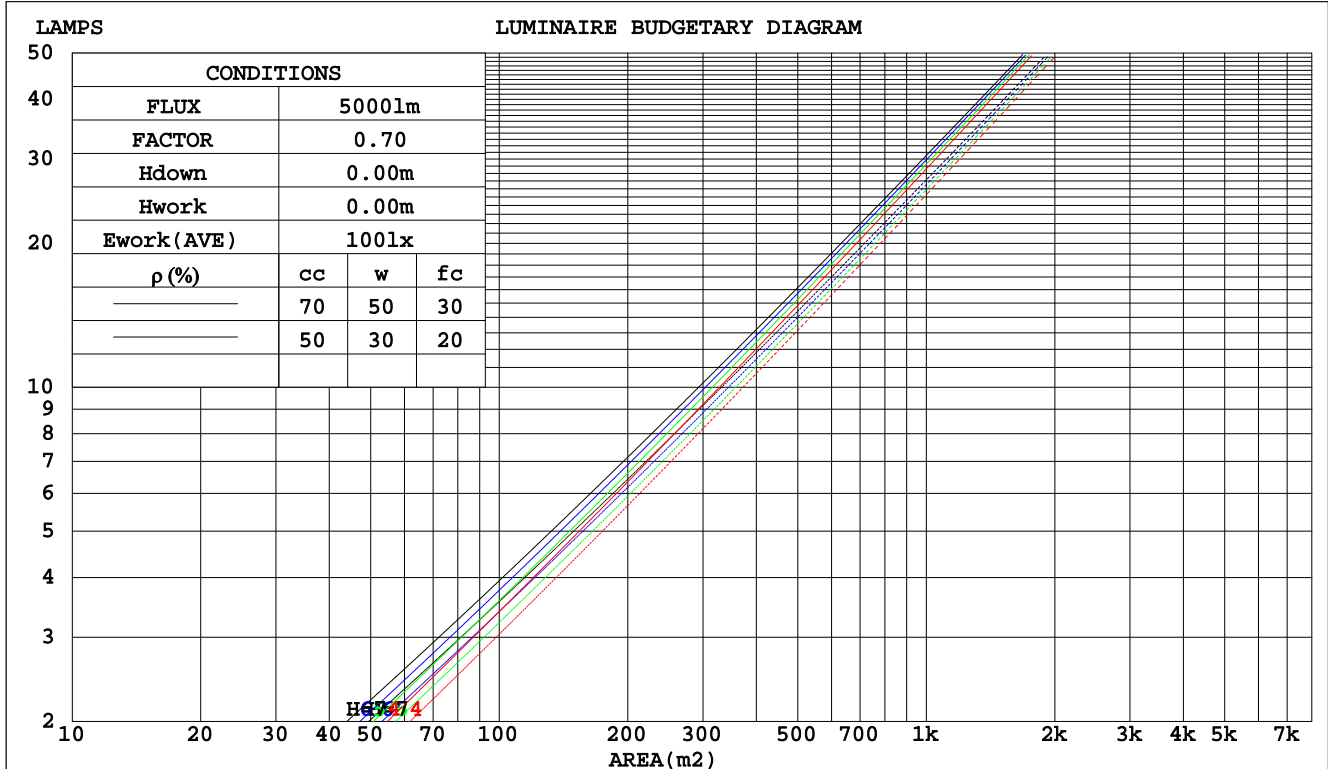
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | 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 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0 | 1.11 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.01 | .00 | .99 | .97 | .96 | .95 | .94 | .92 |
| 2.0 | 1.04 | 1.00 | .97 | 1.02 | .99 | .96 | .98 | .96 | .93 | .95 | .93 | .91 | .92 | .90 | .89 | .87 |
| 3.0 | .98 | .93 | .90 | .96 | .92 | .89 | .93 | .90 | .87 | .91 | .88 | .86 | .88 | .86 | .84 | .82 |
| 4.0 | .93 | .88 | .84 | .91 | .87 | .83 | .89 | .85 | .82 | .87 | .84 | .81 | .85 | .82 | .80 | .78 |
| 5.0 | .88 | .83 | .79 | .87 | .82 | .79 | .85 | .81 | .78 | .83 | .80 | .77 | .81 | .78 | .76 | .75 |
| 6.0 | .84 | .79 | .75 | .83 | .78 | .75 | .81 | .77 | .74 | .80 | .76 | .73 | .78 | .75 | .73 | .71 |
| 7.0 | .80 | .75 | .71 | .80 | .75 | .71 | .78 | .74 | .71 | .77 | .73 | .70 | .76 | .72 | .70 | .68 |
| 8.0 | .77 | .72 | .68 | .76 | .71 | .68 | .75 | .71 | .68 | .74 | .70 | .67 | .73 | .69 | .67 | .66 |
| 9.0 | .74 | .69 | .66 | .73 | .69 | .65 | .72 | .68 | .65 | .71 | .67 | .65 | .70 | .67 | .64 | .63 |
| 10.0 | .71 | .66 | .63 | .71 | .66 | .63 | .70 | .66 | .63 | .69 | .65 | .62 | .68 | .65 | .62 | .61 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

WEC AND CCEC

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | 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 | .167 | .095 | .030 | .160 | .091 | .029 | .146 | .084 | .027 | .133 | .077 | .025 | .121 | .070 | .023 | |
| 2.0 | .157 | .086 | .026 | .151 | .083 | .026 | .139 | .077 | .024 | .128 | .072 | .023 | .118 | .067 | .021 | |
| 3.0 | .147 | .078 | .023 | .142 | .076 | .023 | .132 | .072 | .022 | .123 | .067 | .021 | .114 | .063 | .020 | |
| 4.0 | .138 | .072 | .021 | .134 | .070 | .021 | .125 | .066 | .020 | .117 | .063 | .019 | .110 | .060 | .018 | |
| 5.0 | .130 | .066 | .019 | .126 | .065 | .019 | .119 | .062 | .018 | .112 | .059 | .018 | .105 | .056 | .017 | |
| 6.0 | .123 | .062 | .018 | .120 | .060 | .017 | .113 | .058 | .017 | .107 | .055 | .016 | .101 | .053 | .016 | |
| 7.0 | .117 | .058 | .016 | .114 | .057 | .016 | .108 | .054 | .016 | .102 | .052 | .015 | .097 | .050 | .015 | |
| 8.0 | .111 | .054 | .015 | .108 | .053 | .015 | .103 | .051 | .015 | .098 | .050 | .014 | .093 | .048 | .014 | |
| 9.0 | .106 | .051 | .014 | .103 | .050 | .014 | .099 | .049 | .014 | .094 | .047 | .013 | .090 | .046 | .013 | |
| 10.0 | .101 | .048 | .013 | .099 | .048 | .013 | .095 | .046 | .013 | .090 | .045 | .013 | .087 | .044 | .013 | |

| 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 | .209 | .209 | .209 | .178 | .178 | .178 | .122 | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 | |
| 1.0 | .189 | .176 | .164 | .162 | .151 | .141 | .111 | .104 | .098 | .064 | .060 | .057 | .020 | .019 | .018 | |
| 2.0 | .173 | .151 | .133 | .148 | .130 | .115 | .101 | .090 | .080 | .059 | .052 | .047 | .019 | .017 | .015 | |
| 3.0 | .160 | .132 | .110 | .137 | .114 | .096 | .094 | .079 | .067 | .054 | .046 | .040 | .017 | .015 | .013 | |
| 4.0 | .148 | .117 | .094 | .127 | .101 | .081 | .088 | .071 | .057 | .051 | .041 | .034 | .016 | .013 | .011 | |
| 5.0 | .139 | .105 | .081 | .119 | .091 | .070 | .082 | .064 | .050 | .048 | .037 | .029 | .015 | .012 | .010 | |
| 6.0 | .131 | .096 | .071 | .112 | .083 | .062 | .077 | .058 | .044 | .045 | .034 | .026 | .014 | .011 | .009 | |
| 7.0 | .123 | .088 | .063 | .106 | .076 | .055 | .073 | .054 | .039 | .043 | .032 | .023 | .014 | .010 | .008 | |
| 8.0 | .117 | .082 | .057 | .101 | .071 | .050 | .070 | .050 | .035 | .041 | .029 | .021 | .013 | .010 | .007 | |
| 9.0 | .112 | .076 | .052 | .096 | .066 | .046 | .067 | .046 | .032 | .039 | .027 | .019 | .013 | .009 | .006 | |
| 10.0 | .107 | .072 | .048 | .092 | .062 | .042 | .064 | .044 | .030 | .037 | .026 | .018 | .012 | .008 | .006 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|---------------|------------------|------|------|------------------|---------------|----------------|------------------|------|------|------|
| NAME: TLO010-01 | | | | | TYPE:3000K CRI90 | | | WEIGHT:1 | | | |
| SPEC.:12V700mA | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: | | | | | SUR.:38 | | | 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 | 19.6 | 20.4 | 19.9 | 20.6 | 20.8 | 20.7 | 21.5 | 21.0 | 21.7 | 21.9 | |
| | 3H | 20.4 | 21.1 | 20.7 | 21.4 | 21.6 | 21.5 | 22.2 | 21.8 | 22.5 | 22.7 |
| | 4H | 20.6 | 21.3 | 20.9 | 21.6 | 21.8 | 21.7 | 22.4 | 22.0 | 22.7 | 23.0 |
| | 6H | 20.7 | 21.4 | 21.0 | 21.6 | 21.9 | 21.9 | 22.5 | 22.2 | 22.8 | 23.1 |
| | 8H | 20.7 | 21.3 | 21.0 | 21.6 | 21.9 | 21.9 | 22.5 | 22.2 | 22.8 | 23.1 |
| | 12H | 20.6 | 21.3 | 21.0 | 21.6 | 21.9 | 21.8 | 22.4 | 22.2 | 22.8 | 23.1 |
| 4H | 2H | 20.0 | 20.7 | 20.3 | 20.9 | 21.2 | 20.9 | 21.6 | 21.2 | 21.9 | 22.1 |
| | 3H | 20.8 | 21.5 | 21.2 | 21.8 | 22.1 | 21.8 | 22.4 | 22.1 | 22.7 | 23.0 |
| | 4H | 21.1 | 21.7 | 21.5 | 22.0 | 22.4 | 22.1 | 22.7 | 22.5 | 23.0 | 23.4 |
| | 6H | 21.3 | 21.8 | 21.7 | 22.1 | 22.5 | 22.3 | 22.8 | 22.7 | 23.2 | 23.6 |
| | 8H | 21.3 | 21.7 | 21.7 | 22.1 | 22.5 | 22.3 | 22.8 | 22.7 | 23.2 | 23.6 |
| | 12H | 21.2 | 21.7 | 21.7 | 22.1 | 22.5 | 22.3 | 22.7 | 22.7 | 23.1 | 23.5 |
| 8H | 4H | 21.2 | 21.6 | 21.6 | 22.0 | 22.5 | 22.1 | 22.6 | 22.5 | 23.0 | 23.4 |
| | 6H | 21.4 | 21.8 | 21.8 | 22.2 | 22.7 | 22.3 | 22.7 | 22.8 | 23.1 | 23.6 |
| | 8H | 21.4 | 21.7 | 21.9 | 22.2 | 22.7 | 22.4 | 22.7 | 22.8 | 23.2 | 23.6 |
| | 12H | 21.4 | 21.6 | 21.9 | 22.1 | 22.6 | 22.3 | 22.6 | 22.8 | 23.1 | 23.6 |
| 12H | 4H | 21.1 | 21.6 | 21.6 | 22.0 | 22.4 | 22.1 | 22.5 | 22.5 | 22.9 | 23.3 |
| | 6H | 21.3 | 21.7 | 21.8 | 22.1 | 22.6 | 22.3 | 22.6 | 22.8 | 23.1 | 23.6 |
| | 8H | 21.4 | 21.7 | 21.9 | 22.1 | 22.7 | 22.3 | 22.6 | 22.8 | 23.1 | 23.6 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.7 | | | | | + 0.8 / - 0.8 | | | | | |
| 1.5H | + 0.7 / - 0.4 | | | | | + 1.4 / - 0.7 | | | | | |
| 2.0H | + 1.0 / - 0.8 | | | | | + 1.5 / - 1.0 | | | | | |

CIE Pub.117, 480.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

UTILIZATION FACTORS TABLE

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | 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) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 84 | 78 | 74 | 84 | 78 | 74 | 83 | 77 | 73 | 70 |
| 0.80 | 92 | 86 | 82 | 91 | 85 | 82 | 90 | 85 | 81 | 77 |
| 1.00 | 97 | 91 | 87 | 96 | 90 | 86 | 94 | 90 | 86 | 81 |
| 1.25 | 101 | 95 | 91 | 100 | 95 | 91 | 97 | 93 | 90 | 85 |
| 1.50 | 104 | 99 | 95 | 102 | 98 | 94 | 100 | 96 | 93 | 88 |
| 2.00 | 107 | 102 | 99 | 105 | 101 | 98 | 102 | 99 | 96 | 90 |
| 2.50 | 109 | 105 | 101 | 107 | 103 | 100 | 103 | 100 | 98 | 91 |
| 3.00 | 110 | 107 | 104 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 4.00 | 113 | 110 | 107 | 110 | 108 | 106 | 106 | 104 | 103 | 95 |
| 5.00 | 114 | 111 | 109 | 112 | 109 | 108 | 107 | 106 | 104 | 96 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | SHRNM = 1.25 | | |

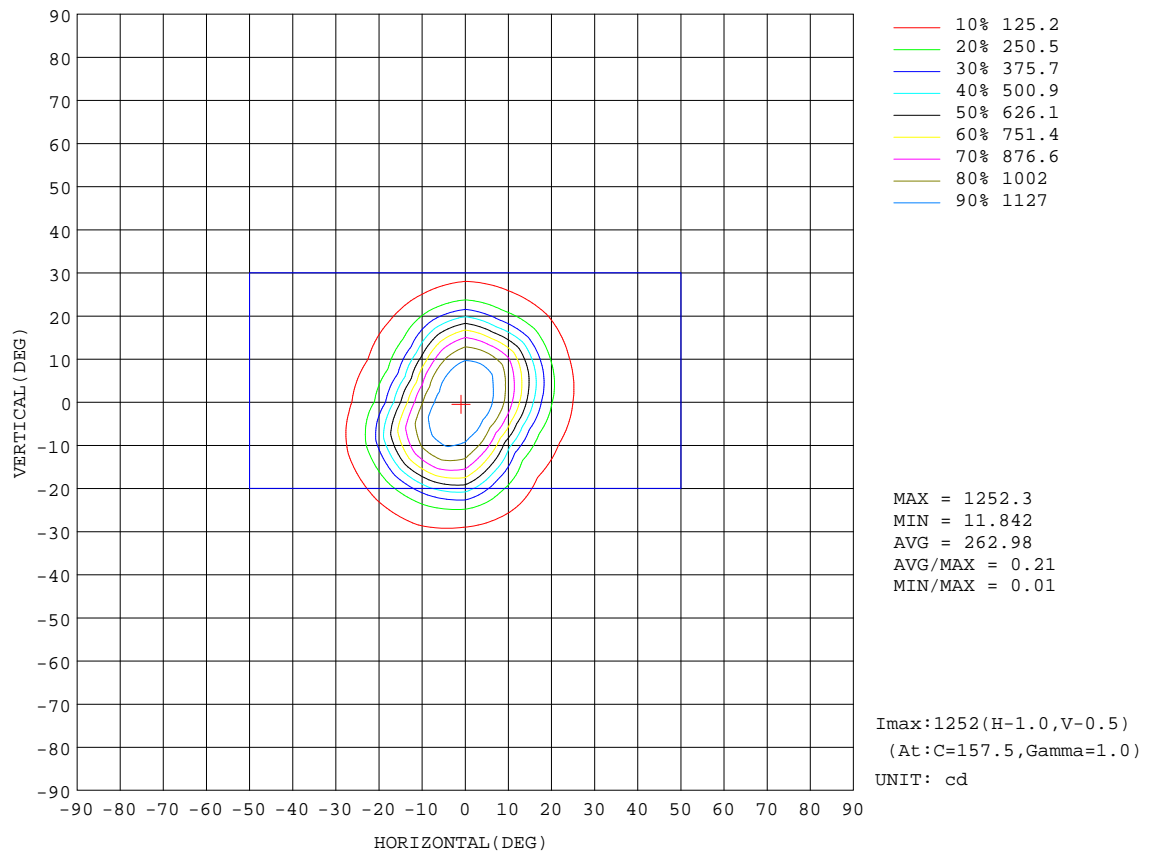
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γ Range: 0 - 180DEG
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 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

ISOCANDELA DIAGRAM

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-31

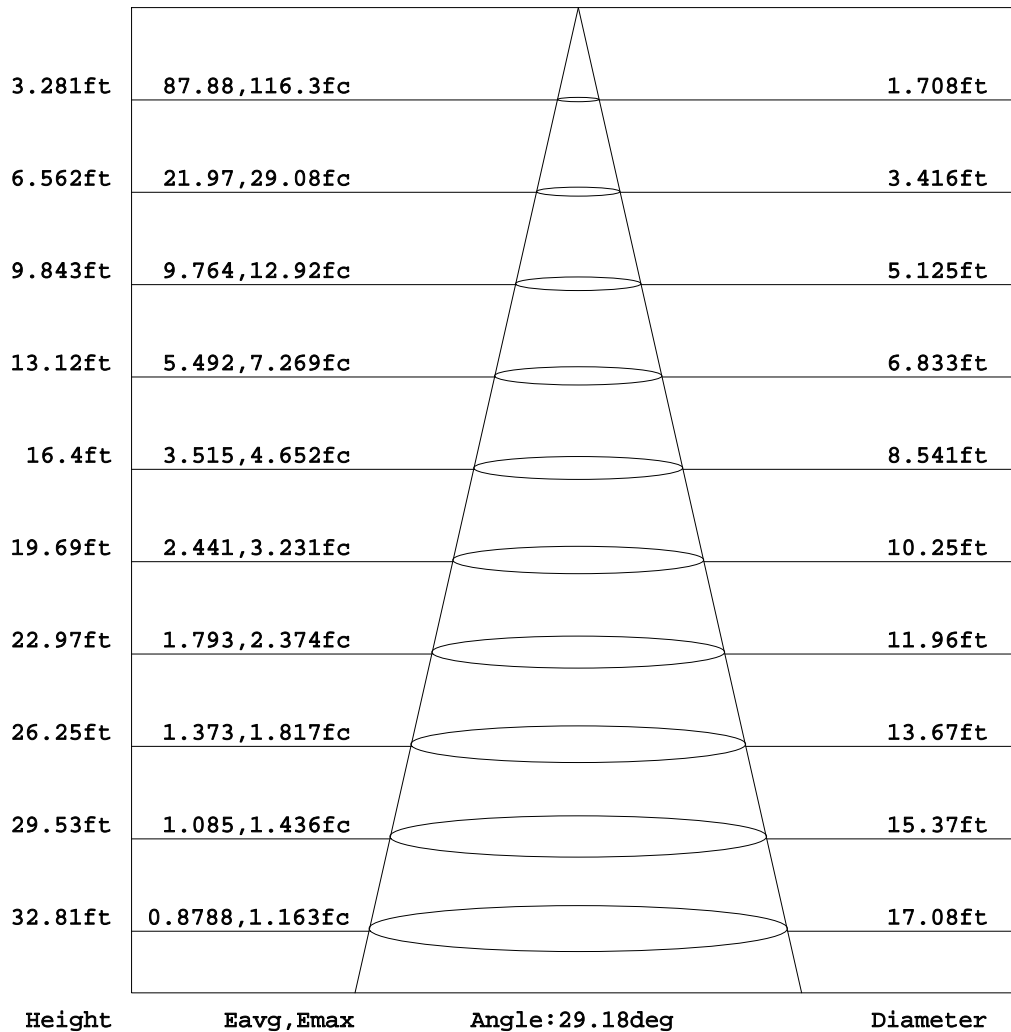
γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

AAI Figure

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

Flux out:213.4 lm



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

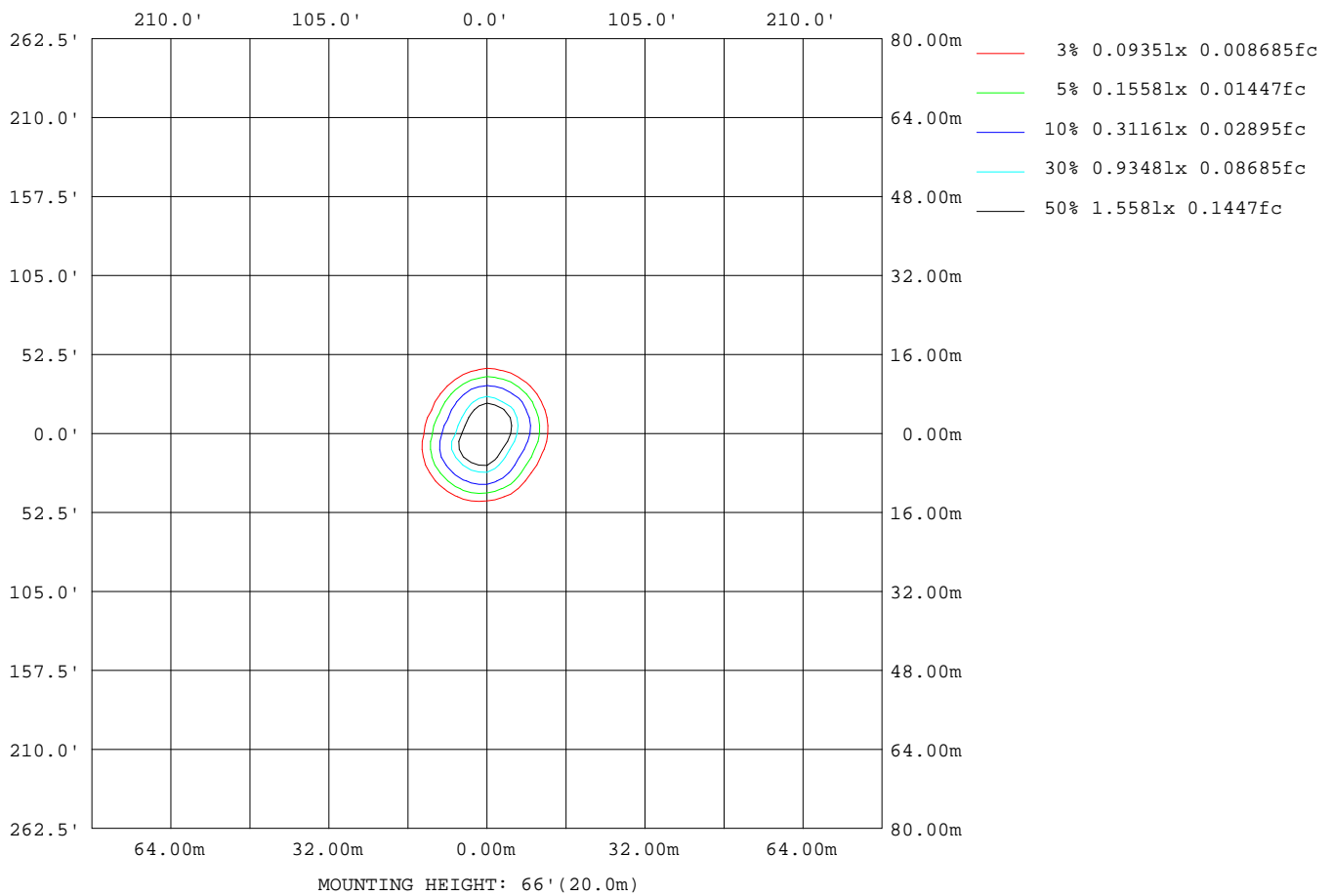
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

ISOLUX DIAGRAM

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
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TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

LED Avg.L Report

| | | |
|-----------------|------------------|------------------|
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| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

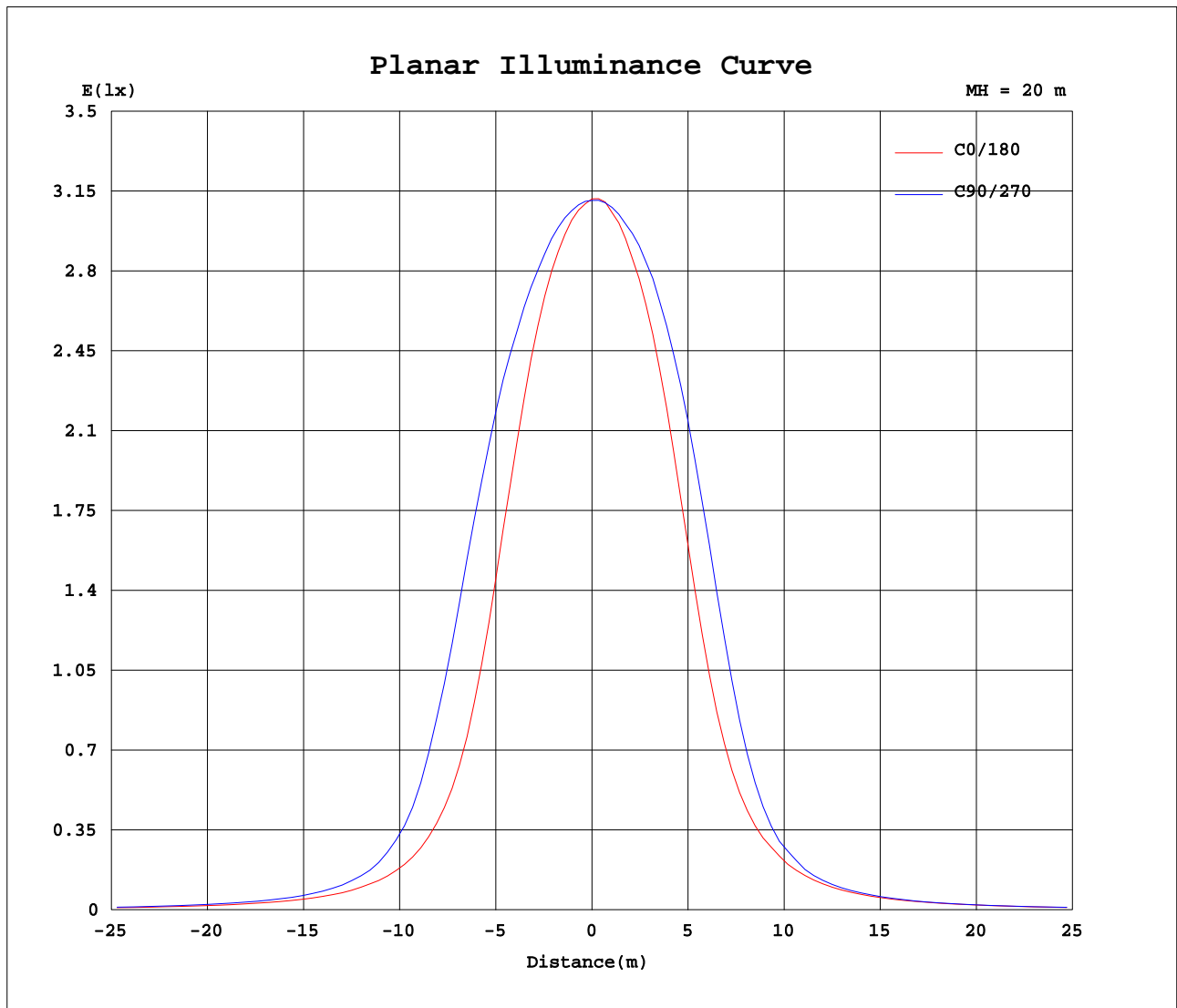
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 14863 |
| L_0~180(75)av | 10094 |
| L_0~180(85)av | 3409 |
| L_90~270(65)av | 17244 |
| L_90~270(75)av | 11754 |
| L_90~270(85)av | 3610 |
| L_45(65)av | 16097 |
| L_45(75)av | 10998 |
| L_45(85)av | 3700 |

Standard: GB/T 29293-2012

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Date: 2024-08-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 33.3D 3000K CRI90 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-----------------|------------------|------------------|
| NAME: TLO010-01 | TYPE:3000K CRI90 | WEIGHT:1 |
| SPEC.:12V700mA | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | 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 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | | | |
| 5 | 1167 | 1166 | 1161 | 1187 | 1212 | 1225 | 1228 | 1220 | 1189 | 1180 | 1197 | 1210 | 1218 | 1217 | 1201 | 1176 | | | |
| 10 | 938 | 884 | 883 | 1005 | 1108 | 1150 | 1145 | 1099 | 991 | 935 | 992 | 1062 | 1118 | 1113 | 1092 | 1004 | | | |
| 15 | 558 | 451 | 471 | 679 | 906 | 971 | 970 | 874 | 623 | 513 | 594 | 765 | 878 | 829 | 832 | 692 | | | |
| 20 | 256 | 202 | 211 | 350 | 562 | 607 | 620 | 538 | 295 | 230 | 270 | 400 | 487 | 414 | 434 | 344 | | | |
| 25 | 125 | 108 | 111 | 169 | 242 | 272 | 279 | 247 | 148 | 119 | 135 | 167 | 198 | 180 | 181 | 147 | | | |
| 30 | 70.1 | 61.9 | 65.2 | 90.7 | 107 | 132 | 128 | 114 | 80.5 | 68.0 | 72.9 | 82.8 | 93.0 | 92.1 | 87.8 | 76.9 | | | |
| 35 | 42.9 | 39.8 | 41.4 | 53.7 | 59.9 | 70.2 | 70.0 | 64.5 | 49.4 | 44.0 | 45.8 | 49.5 | 54.2 | 52.1 | 50.4 | 47.4 | | | |
| 40 | 29.2 | 28.3 | 29.0 | 34.3 | 38.7 | 44.5 | 44.0 | 40.9 | 33.3 | 30.8 | 31.9 | 32.6 | 35.2 | 34.0 | 32.7 | 31.6 | | | |
| 45 | 21.4 | 21.3 | 21.4 | 23.8 | 27.1 | 30.9 | 30.3 | 27.3 | 23.9 | 22.7 | 23.0 | 23.4 | 24.9 | 24.8 | 23.5 | 22.4 | | | |
| 50 | 16.3 | 16.2 | 16.2 | 17.6 | 19.9 | 22.6 | 22.0 | 19.9 | 17.9 | 17.2 | 17.3 | 17.4 | 18.7 | 18.7 | 18.0 | 16.6 | | | |
| 55 | 12.5 | 12.2 | 12.2 | 13.4 | 15.1 | 16.9 | 16.4 | 15.1 | 13.7 | 13.1 | 13.2 | 13.2 | 14.4 | 14.5 | 13.9 | 12.6 | | | |
| 60 | 9.30 | 9.26 | 9.10 | 10.1 | 11.5 | 12.6 | 12.6 | 11.4 | 10.2 | 9.79 | 9.89 | 10.1 | 11.1 | 10.8 | 10.6 | 9.51 | | | |
| 65 | 6.79 | 6.83 | 6.68 | 7.42 | 8.43 | 9.32 | 9.27 | 8.54 | 7.45 | 7.14 | 7.24 | 7.49 | 8.09 | 7.88 | 7.64 | 7.01 | | | |
| 70 | 4.67 | 4.69 | 4.58 | 5.17 | 5.90 | 6.66 | 6.48 | 6.08 | 5.19 | 4.94 | 4.97 | 5.16 | 5.54 | 5.43 | 5.25 | 4.80 | | | |
| 75 | 2.78 | 2.80 | 2.70 | 3.15 | 3.60 | 4.23 | 4.12 | 3.88 | 3.14 | 3.01 | 3.05 | 3.12 | 3.29 | 3.13 | 3.02 | 2.75 | | | |
| 80 | 1.28 | 1.33 | 1.25 | 1.51 | 1.76 | 2.17 | 2.09 | 2.00 | 1.54 | 1.47 | 1.51 | 1.48 | 1.51 | 1.36 | 1.28 | 1.15 | | | |
| 85 | 0.29 | 0.32 | 0.31 | 0.36 | 0.40 | 0.58 | 0.55 | 0.59 | 0.38 | 0.36 | 0.36 | 0.33 | 0.31 | 0.24 | 0.24 | 0.19 | | | |
| 90 | 0.16 | 0.16 | 0.16 | 0.15 | 0.16 | 0.15 | 0.18 | 0.16 | 0.16 | 0.14 | 0.16 | 0.15 | 0.15 | 0.14 | 0.15 | 0.13 | | | |
| 95 | 0.17 | 0.19 | 0.17 | 0.19 | 0.17 | 0.19 | 0.17 | 0.18 | 0.16 | 0.14 | 0.16 | 0.15 | 0.18 | 0.17 | 0.18 | 0.16 | | | |
| 100 | 0.21 | 0.22 | 0.20 | 0.22 | 0.20 | 0.22 | 0.20 | 0.21 | 0.20 | 0.17 | 0.19 | 0.18 | 0.22 | 0.20 | 0.22 | 0.20 | | | |
| 105 | 0.25 | 0.26 | 0.24 | 0.27 | 0.25 | 0.27 | 0.24 | 0.25 | 0.24 | 0.21 | 0.24 | 0.23 | 0.27 | 0.27 | 0.28 | 0.25 | | | |
| 110 | 0.32 | 0.32 | 0.31 | 0.33 | 0.32 | 0.33 | 0.30 | 0.31 | 0.29 | 0.27 | 0.29 | 0.30 | 0.34 | 0.34 | 0.36 | 0.32 | | | |
| 115 | 0.42 | 0.41 | 0.39 | 0.42 | 0.43 | 0.44 | 0.41 | 0.40 | 0.37 | 0.34 | 0.36 | 0.40 | 0.47 | 0.48 | 0.49 | 0.44 | | | |
| 120 | 0.62 | 0.56 | 0.57 | 0.61 | 0.65 | 0.65 | 0.62 | 0.57 | 0.51 | 0.46 | 0.50 | 0.58 | 0.70 | 0.76 | 0.76 | 0.68 | | | |
| 125 | 0.99 | 0.87 | 0.91 | 0.98 | 1.07 | 1.07 | 1.02 | 0.90 | 0.78 | 0.70 | 0.76 | 0.94 | 1.14 | 1.28 | 1.24 | 1.12 | | | |
| 130 | 1.64 | 1.49 | 1.56 | 1.60 | 1.74 | 1.74 | 1.67 | 1.46 | 1.31 | 1.21 | 1.27 | 1.54 | 1.79 | 2.00 | 1.94 | 1.79 | | | |
| 135 | 2.55 | 2.44 | 2.48 | 2.46 | 2.59 | 2.56 | 2.48 | 2.25 | 2.12 | 2.08 | 2.10 | 2.37 | 2.63 | 2.84 | 2.81 | 2.66 | | | |
| 140 | 3.63 | 3.57 | 3.61 | 3.51 | 3.54 | 3.45 | 3.37 | 3.22 | 3.16 | 3.18 | 3.17 | 3.39 | 3.59 | 3.75 | 3.74 | 3.70 | | | |
| 145 | 4.77 | 4.74 | 4.77 | 4.60 | 4.51 | 4.36 | 4.31 | 4.27 | 4.32 | 4.37 | 4.35 | 4.51 | 4.58 | 4.67 | 4.67 | 4.75 | | | |
| 150 | 5.75 | 5.79 | 5.79 | 5.57 | 5.41 | 5.24 | 5.21 | 5.26 | 5.41 | 5.49 | 5.47 | 5.53 | 5.49 | 5.50 | 5.49 | 5.63 | | | |
| 155 | 6.34 | 6.47 | 6.41 | 6.22 | 6.09 | 5.94 | 5.90 | 6.02 | 6.22 | 6.31 | 6.30 | 6.26 | 6.18 | 6.05 | 5.97 | 6.10 | | | |
| 160 | 6.43 | 6.60 | 6.54 | 6.38 | 6.28 | 6.17 | 6.17 | 6.33 | 6.50 | 6.66 | 6.66 | 6.53 | 6.34 | 6.10 | 5.96 | 6.09 | | | |
| 165 | 6.09 | 6.23 | 6.23 | 6.10 | 5.98 | 5.94 | 6.02 | 6.16 | 6.30 | 6.48 | 6.48 | 6.33 | 6.06 | 5.73 | 5.57 | 5.66 | | | |
| 170 | 5.55 | 5.61 | 5.52 | 5.48 | 5.43 | 5.43 | 5.58 | 5.79 | 5.75 | 5.95 | 5.93 | 5.78 | 5.51 | 5.24 | 5.04 | 5.09 | | | |
| 175 | 4.98 | 4.94 | 4.99 | 4.96 | 4.97 | 5.07 | 5.27 | 5.31 | 5.13 | 5.26 | 5.37 | 5.29 | 5.14 | 5.04 | 4.89 | 4.70 | | | |
| 180 | 4.87 | 4.89 | 4.99 | 4.96 | 5.05 | 5.04 | 5.09 | 4.93 | 4.88 | 4.89 | 4.99 | 4.97 | 5.05 | 5.04 | 5.09 | 4.92 | | | |

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