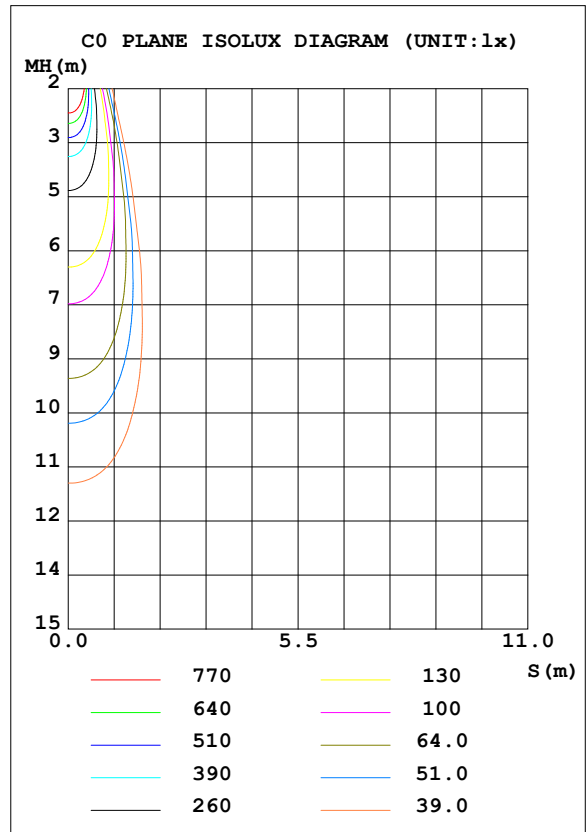
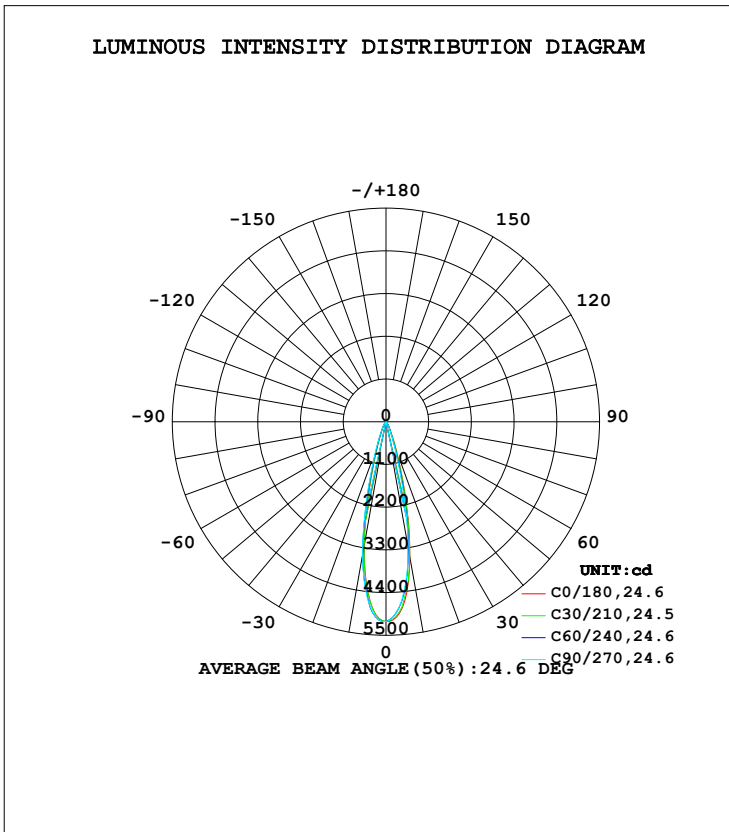


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP.ϣ | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 75.08 lm/W | | | |
|-------------------|--------------|----------------------------------|--------|---------------------|-----------|
| MODEL | XICATO-3000K | I _{max} (cd) | 5147 | S/MH (C0/180) | 0.38 |
| NOMINAL POWER (W) | 13 | LOR (%) | 100.0 | S/MH (C90/270) | 0.41 |
| RATED VOLTAGE (V) | 21 | TOTAL FLUX (lm) | 1091.6 | η UP, DN (C0-180) | 0.0, 49.4 |
| NOMINAL FLUX (lm) | 1091.64 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 50.6 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE (V) | 20.8 | η down (%) | 100.0 | CIBSE SHR MAX | 0.30 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: Jasoan
 Test Date: 2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity: 58%
 Test Distance: 9.322m [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 | 3551 | 3419 | 3295 | 3282 | 3240 | 3354 | 3476 | 3511 | 0- 10 | 407.4 | 407.4 | 37.3,37.3 |
| 20 | 761.7 | 679.7 | 588.0 | 590.7 | 583.0 | 650.6 | 723.8 | 754.7 | 10- 20 | 466.4 | 873.7 | 80,80 |
| 30 | 172.7 | 159.7 | 145.7 | 147.0 | 151.3 | 162.4 | 169.8 | 174.6 | 20- 30 | 147.8 | 1021 | 93.6,93.6 |
| 40 | 50.21 | 46.49 | 40.25 | 36.11 | 34.32 | 37.37 | 43.31 | 47.99 | 30- 40 | 57.44 | 1079 | 98.8,98.8 |
| 50 | 3.669 | 2.973 | 2.107 | 1.458 | 1.396 | 1.540 | 2.199 | 2.835 | 40- 50 | 11.72 | 1091 | 99.9,99.9 |
| 60 | 0.4360 | 0.3502 | 0.2443 | 0.2313 | 0.2102 | 0.2617 | 0.3745 | 0.3806 | 50- 60 | 0.7881 | 1091 | 100,100 |
| 70 | 0.0953 | 0.0646 | 0.0476 | 0.0579 | 0.0476 | 0.0612 | 0.1089 | 0.0814 | 60- 70 | 0.1322 | 1092 | 100,100 |
| 80 | 0.0611 | 0.0510 | 0.0476 | 0.0476 | 0.0476 | 0.0442 | 0.0476 | 0.0408 | 70- 80 | 0.0540 | 1092 | 100,100 |
| 90 | 0.0476 | 0.0476 | 0.0476 | 0.0476 | 0.0476 | 0.0408 | 0.0408 | 0.0408 | 80- 90 | 0.0493 | 1092 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1088.3 lm

%lum = 99.7%
 %lamp = 99.7%

Conical surface Flux(120deg): 1091.4 lm

%lum = 100.0%
 %lamp = 100.0%

0 - 45 DEG Zonal Flux:1088.3 %lum: 99.7%
 135 - 180 DEG Zonal Flux:0 %lum: 0.0%

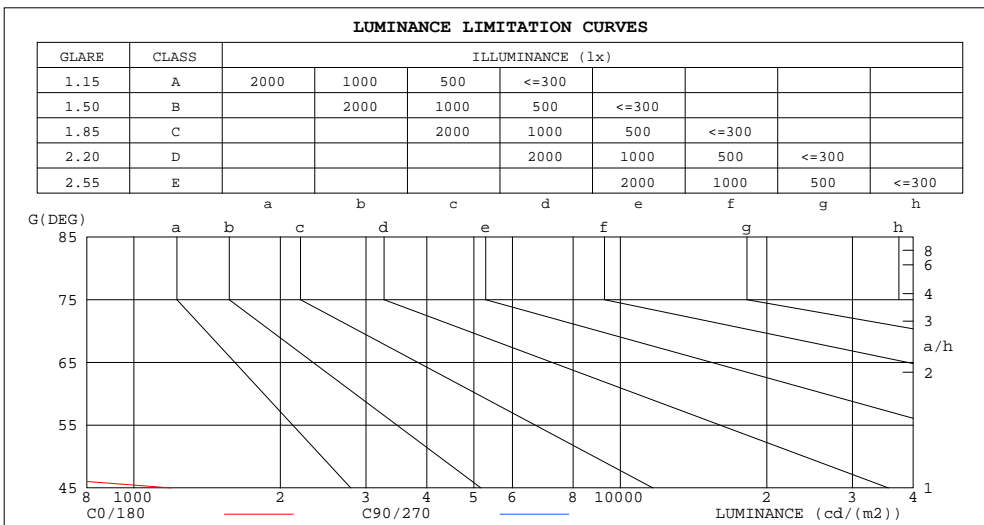
All measured values may vary less than 35 %
 from the average measured value in the 0 to 130 deg. zone: 4.7%
 All measured values in the 0 to 130 deg. zone
 may vary less than 50% from the average value of itself: 6.7%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:58%
 Test Distance:9.322m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. ǃ | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 27 | 27 |
| 80 | 17 | 13 |
| 75 | 10 | 9 |
| 70 | 14 | 7 |
| 65 | 17 | 6 |
| 60 | 42 | 24 |
| 55 | 85 | 62 |
| 50 | 277 | 159 |
| 45 | 1194 | 694 |

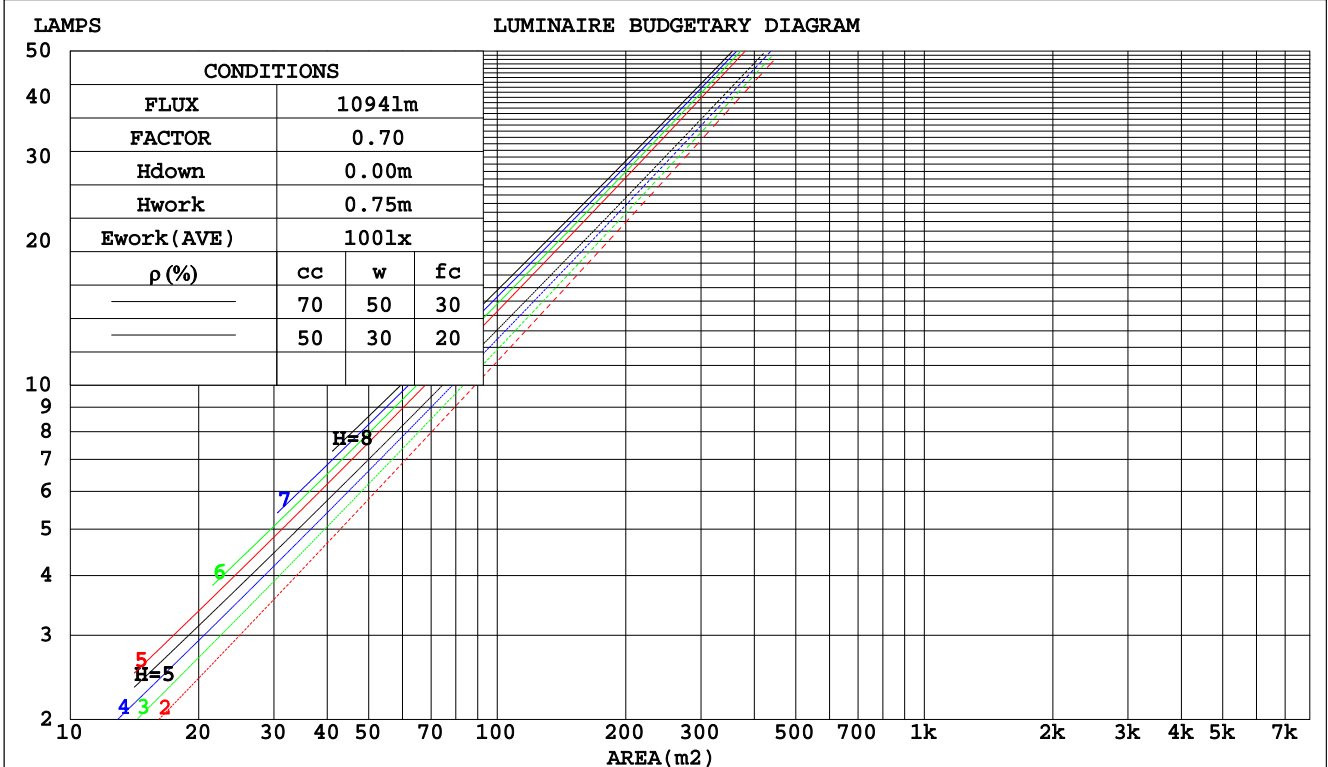
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: Jasoan
 Test Date: 2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity: 58%
 Test Distance: 9.322m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: ϕ 162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pw | | | | | | | | | | | | | | | | |
| pfc | | | | | | | | | | | | | | | | |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.13 | 1.11 | 1.09 | 1.11 | 1.09 | 1.08 | 1.07 | 1.06 | 1.04 | 1.03 | 1.02 | 1.01 | .00 | .99 | .98 | .97 |
| 2.0 | 1.08 | 1.05 | 1.02 | 1.06 | 1.03 | 1.01 | 1.03 | 1.01 | .99 | 1.00 | .98 | .97 | .97 | .96 | .95 | .94 |
| 3.0 | 1.03 | .00 | .97 | 1.02 | .99 | .96 | .99 | .97 | .95 | .97 | .95 | .93 | .95 | .93 | .92 | .90 |
| 4.0 | .99 | .95 | .92 | .98 | .95 | .92 | .96 | .93 | .91 | .94 | .92 | .90 | .93 | .91 | .89 | .88 |
| 5.0 | .96 | .92 | .89 | .95 | .91 | .88 | .93 | .90 | .87 | .92 | .89 | .87 | .90 | .88 | .86 | .85 |
| 6.0 | .92 | .88 | .85 | .92 | .88 | .85 | .90 | .87 | .85 | .89 | .86 | .84 | .88 | .85 | .83 | .82 |
| 7.0 | .89 | .85 | .82 | .89 | .85 | .82 | .88 | .84 | .82 | .87 | .84 | .81 | .86 | .83 | .81 | .80 |
| 8.0 | .87 | .83 | .80 | .86 | .82 | .80 | .85 | .82 | .79 | .85 | .81 | .79 | .84 | .81 | .79 | .78 |
| 9.0 | .84 | .80 | .78 | .84 | .80 | .77 | .83 | .80 | .77 | .82 | .79 | .77 | .82 | .79 | .77 | .76 |
| 10.0 | .82 | .78 | .75 | .82 | .78 | .75 | .81 | .78 | .75 | .80 | .77 | .75 | .80 | .77 | .75 | .74 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:58%
 Test Distance:9.322m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

| 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 | .135 | .077 | .024 | .129 | .074 | .023 | .116 | .067 | .021 | .105 | .061 | .019 | .095 | .055 | .018 | |
| 2.0 | .126 | .069 | .021 | .120 | .066 | .020 | .110 | .061 | .019 | .101 | .056 | .018 | .092 | .052 | .016 | |
| 3.0 | .117 | .062 | .019 | .113 | .060 | .018 | .104 | .056 | .017 | .096 | .053 | .016 | .089 | .049 | .015 | |
| 4.0 | .110 | .057 | .017 | .106 | .055 | .016 | .099 | .052 | .016 | .092 | .049 | .015 | .086 | .047 | .014 | |
| 5.0 | .103 | .053 | .015 | .100 | .051 | .015 | .094 | .049 | .014 | .088 | .047 | .014 | .083 | .044 | .013 | |
| 6.0 | .098 | .049 | .014 | .095 | .048 | .014 | .090 | .046 | .013 | .085 | .044 | .013 | .080 | .042 | .013 | |
| 7.0 | .093 | .046 | .013 | .091 | .045 | .013 | .086 | .043 | .013 | .082 | .042 | .012 | .078 | .040 | .012 | |
| 8.0 | .089 | .043 | .012 | .087 | .043 | .012 | .083 | .041 | .012 | .079 | .040 | .012 | .075 | .039 | .011 | |
| 9.0 | .085 | .041 | .011 | .083 | .040 | .011 | .079 | .039 | .011 | .076 | .038 | .011 | .073 | .037 | .011 | |
| 10.0 | .081 | .039 | .011 | .079 | .038 | .011 | .076 | .037 | .011 | .073 | .036 | .010 | .071 | .036 | .010 | |

| 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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .168 | .158 | .148 | .144 | .135 | .128 | .098 | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 | |
| 2.0 | .150 | .133 | .118 | .129 | .114 | .102 | .088 | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 | |
| 3.0 | .135 | .113 | .096 | .116 | .098 | .083 | .079 | .068 | .058 | .046 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .122 | .098 | .079 | .105 | .085 | .069 | .072 | .059 | .048 | .042 | .035 | .029 | .013 | .011 | .009 | |
| 5.0 | .112 | .086 | .066 | .096 | .074 | .057 | .066 | .052 | .041 | .038 | .030 | .024 | .012 | .010 | .008 | |
| 6.0 | .103 | .076 | .056 | .089 | .065 | .049 | .061 | .046 | .034 | .035 | .027 | .020 | .011 | .009 | .007 | |
| 7.0 | .095 | .067 | .048 | .082 | .058 | .042 | .057 | .041 | .029 | .033 | .024 | .018 | .011 | .008 | .006 | |
| 8.0 | .089 | .061 | .041 | .077 | .053 | .036 | .053 | .037 | .025 | .031 | .022 | .015 | .010 | .007 | .005 | |
| 9.0 | .083 | .055 | .036 | .072 | .048 | .031 | .050 | .033 | .022 | .029 | .020 | .013 | .009 | .006 | .004 | |
| 10.0 | .078 | .050 | .031 | .068 | .044 | .027 | .047 | .031 | .019 | .027 | .018 | .012 | .009 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:58%
 Test Distance:9.322m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

| | | | | | | | | | | |
|---|------------------|-----|-----|-----|-----|----------------|-----|-----|-----|-----|
| 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 | 5.3 | 5.9 | 5.5 | 6.1 | 6.2 | 4.4 | 5.0 | 4.6 | 5.2 | 5.3 |
| 3H | 5.2 | 5.8 | 5.4 | 5.9 | 6.1 | 4.2 | 4.8 | 4.4 | 5.0 | 5.2 |
| 4H | 5.1 | 5.7 | 5.3 | 5.9 | 6.1 | 4.1 | 4.7 | 4.4 | 4.9 | 5.1 |
| 6H | 5.0 | 5.5 | 5.3 | 5.8 | 6.0 | 4.0 | 4.6 | 4.3 | 4.8 | 5.1 |
| 8H | 5.0 | 5.5 | 5.2 | 5.7 | 6.0 | 4.0 | 4.5 | 4.3 | 4.8 | 5.0 |
| 12H | 4.9 | 5.4 | 5.2 | 5.7 | 5.9 | 4.0 | 4.5 | 4.3 | 4.7 | 5.0 |
| 4H 2H | 5.1 | 5.7 | 5.3 | 5.9 | 6.1 | 4.1 | 4.7 | 4.4 | 4.9 | 5.1 |
| 3H | 4.9 | 5.4 | 5.2 | 5.7 | 5.9 | 4.0 | 4.5 | 4.3 | 4.7 | 5.0 |
| 4H | 4.8 | 5.3 | 5.1 | 5.6 | 5.9 | 3.9 | 4.3 | 4.2 | 4.6 | 4.9 |
| 6H | 4.7 | 5.1 | 5.1 | 5.4 | 5.8 | 3.8 | 4.2 | 4.1 | 4.5 | 4.8 |
| 8H | 4.7 | 5.0 | 5.0 | 5.4 | 5.7 | 3.7 | 4.1 | 4.1 | 4.4 | 4.8 |
| 12H | 4.6 | 4.9 | 5.0 | 5.3 | 5.7 | 3.7 | 4.0 | 4.1 | 4.4 | 4.8 |
| 8H 4H | 4.7 | 5.0 | 5.0 | 5.4 | 5.7 | 3.7 | 4.1 | 4.1 | 4.4 | 4.8 |
| 6H | 4.5 | 4.9 | 5.0 | 5.2 | 5.7 | 3.6 | 3.9 | 4.0 | 4.3 | 4.7 |
| 8H | 4.5 | 4.8 | 4.9 | 5.2 | 5.6 | 3.5 | 3.8 | 4.0 | 4.2 | 4.7 |
| 12H | 4.4 | 4.7 | 4.9 | 5.1 | 5.6 | 3.5 | 3.7 | 3.9 | 4.2 | 4.6 |
| 12H 4H | 4.6 | 4.9 | 5.0 | 5.3 | 5.7 | 3.7 | 4.0 | 4.1 | 4.4 | 4.8 |
| 6H | 4.5 | 4.8 | 4.9 | 5.2 | 5.6 | 3.5 | 3.8 | 4.0 | 4.2 | 4.7 |
| 8H | 4.4 | 4.7 | 4.9 | 5.1 | 5.6 | 3.5 | 3.7 | 3.9 | 4.2 | 4.6 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 3.5 / -20.9 | | | | | + 3.2 / -21.4 | | | | |
| 1.5H | + 6.0 / -18.4 | | | | | + 5.8 / -17.6 | | | | |
| 2.0H | + 8.9 / -16.5 | | | | | + 7.7 / -13.0 | | | | |

CIE Pub.117, 1092 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.3)
Area: 0.0206015 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jasoan
Test Date:2024-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity:58%
Test Distance:9.322m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

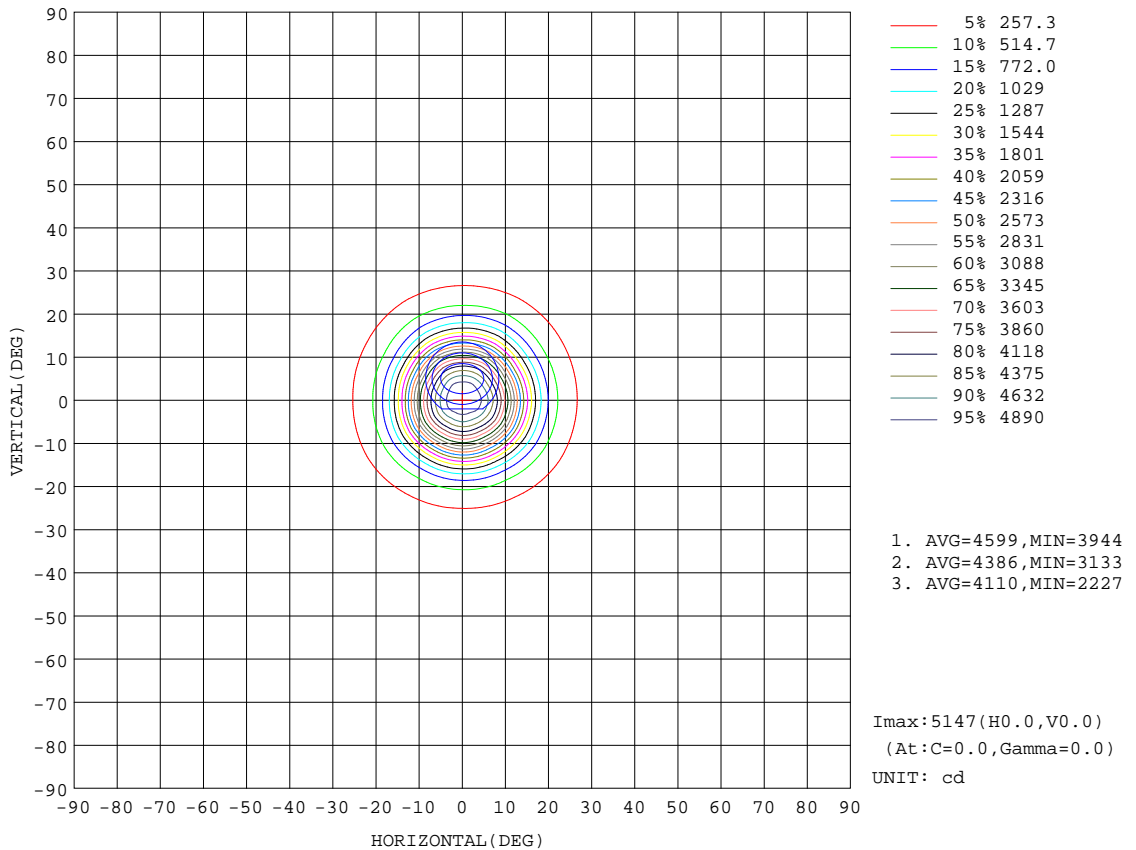
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 91 | 85 | 82 | 90 | 85 | 82 | 90 | 85 | 81 | 78 |
| 0.80 | 98 | 93 | 89 | 97 | 92 | 89 | 96 | 92 | 89 | 85 |
| 1.00 | 102 | 97 | 93 | 101 | 96 | 93 | 99 | 96 | 93 | 89 |
| 1.25 | 105 | 101 | 97 | 104 | 100 | 97 | 102 | 99 | 96 | 92 |
| 1.50 | 108 | 103 | 100 | 106 | 103 | 100 | 104 | 101 | 99 | 95 |
| 2.00 | 110 | 106 | 103 | 108 | 105 | 102 | 106 | 103 | 101 | 96 |
| 2.50 | 111 | 108 | 105 | 110 | 107 | 104 | 107 | 104 | 102 | 97 |
| 3.00 | 113 | 110 | 107 | 111 | 108 | 106 | 108 | 106 | 104 | 98 |
| 4.00 | 115 | 112 | 110 | 112 | 110 | 109 | 109 | 107 | 106 | 99 |
| 5.00 | 116 | 114 | 112 | 114 | 112 | 110 | 110 | 108 | 107 | 100 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:58%
 Test Distance:9.322m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |



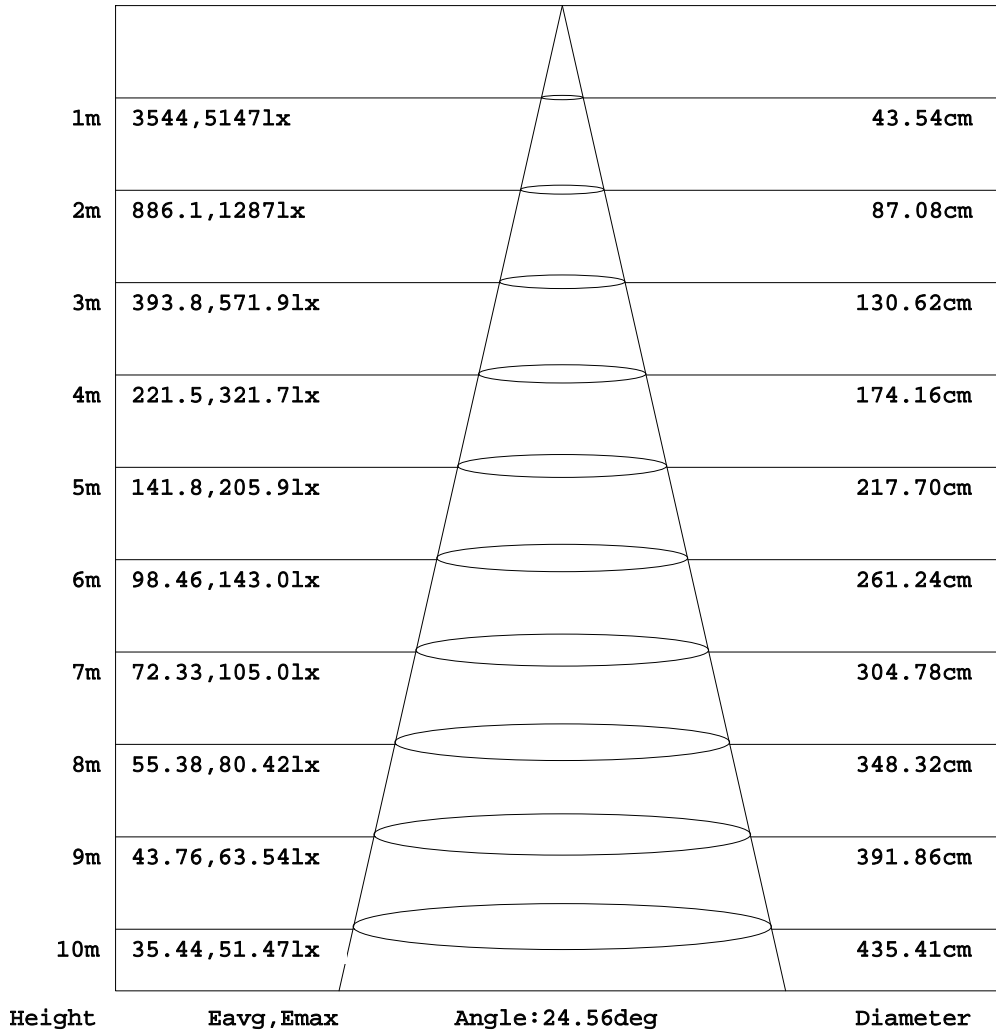
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jasoan
Test Date: 2024-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity: 58%
Test Distance: 9.322m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

Flux out:593.5 lm



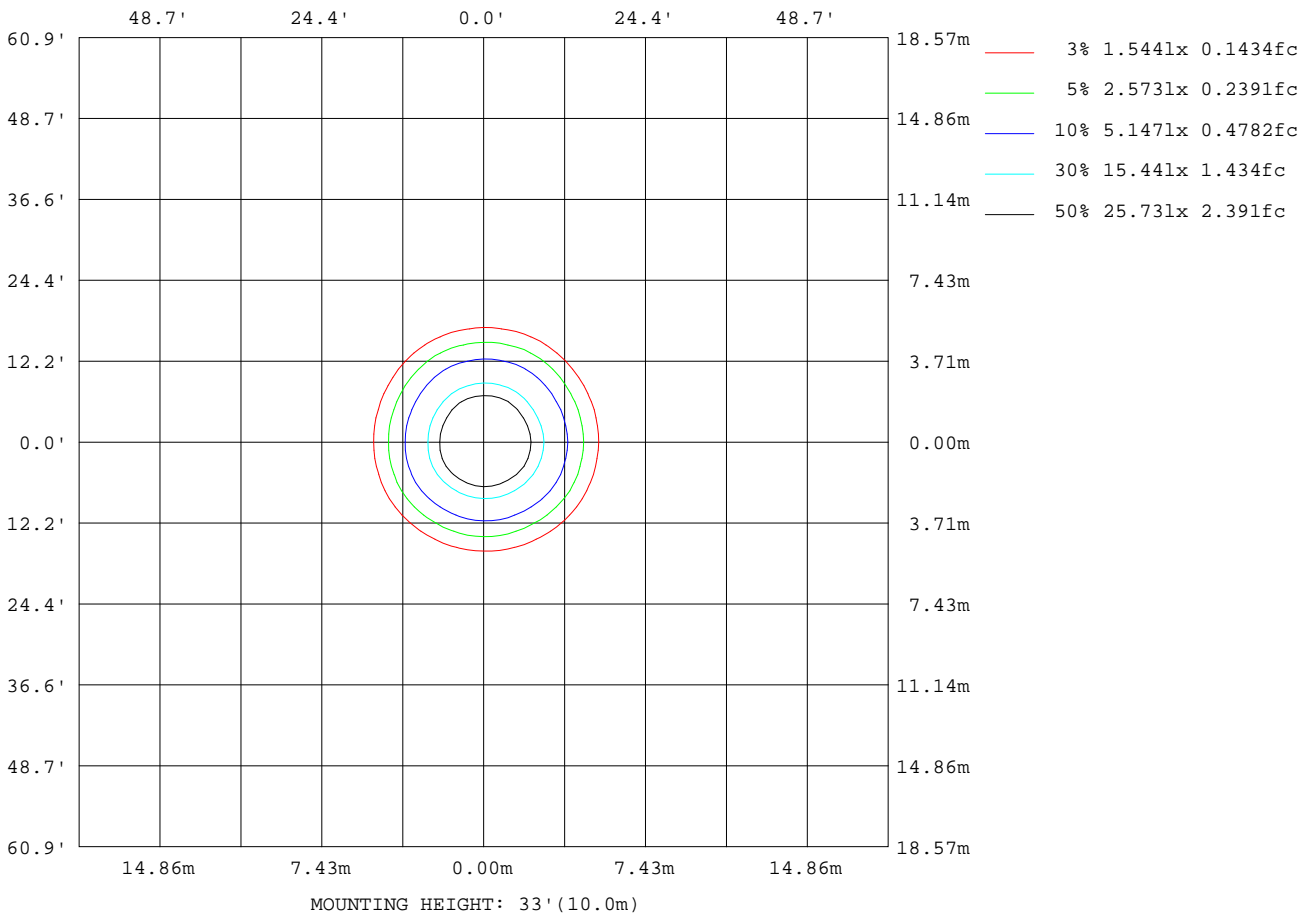
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:58%
 Test Distance:9.322m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|---------------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: ϕ 162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: Jasoan
 Test Date: 2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity: 58%
 Test Distance: 9.322m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

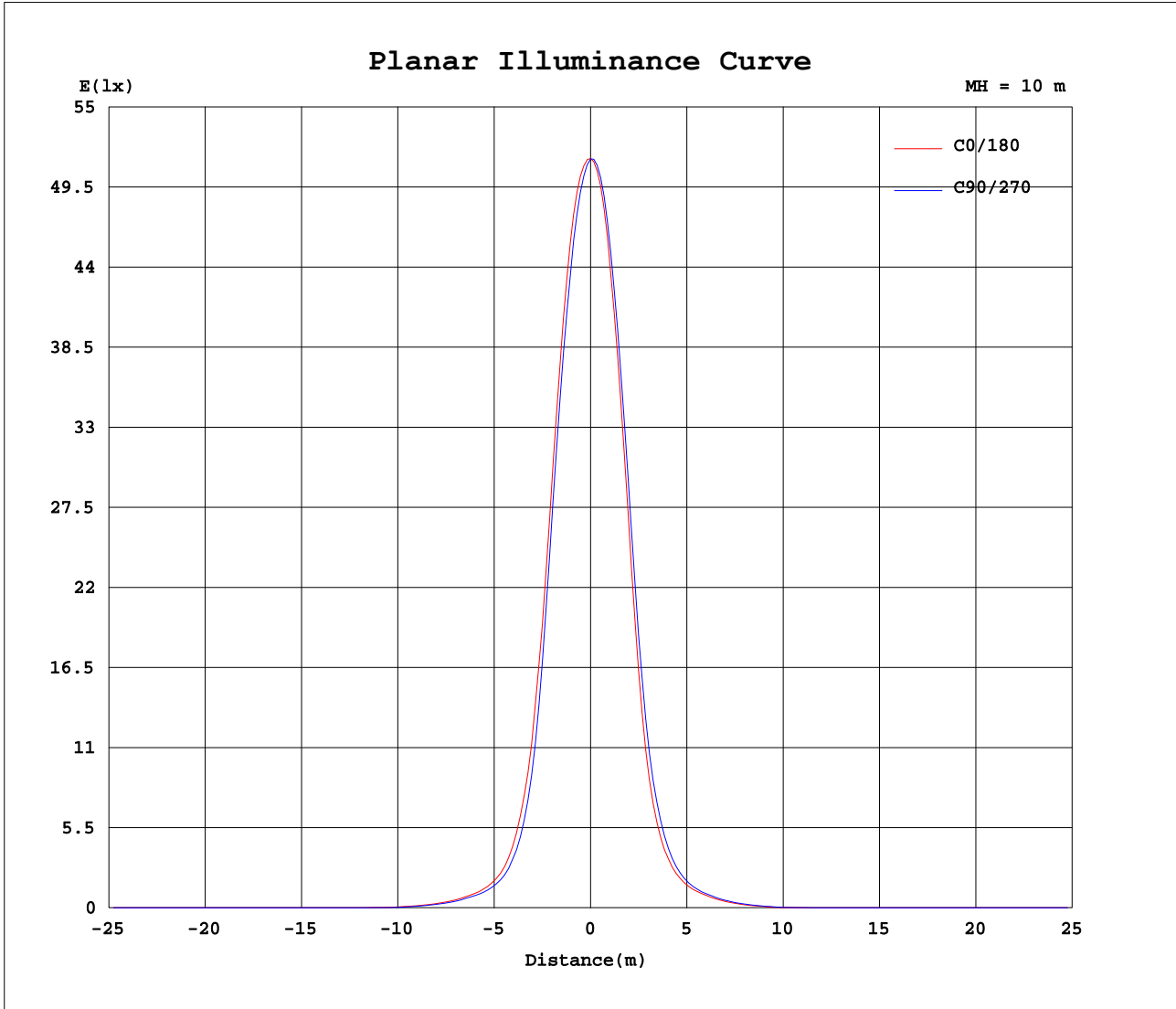
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 13 |
| L_0~180 (75) av | 10 |
| L_0~180 (85) av | 27 |
| L_90~270 (65) av | 13 |
| L_90~270 (75) av | 9 |
| L_90~270 (85) av | 25 |
| L_45 (65) av | 12 |
| L_45 (75) av | 9 |
| L_45 (85) av | 24 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:58%
 Test Distance:9.322m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jasoan
Test Date: 2024-09-12

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity: 58%
Test Distance: 9.322m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------------|-------------|
| Test:U:20.800V I:0.6990A P:14.539W PF:1.0000 Freq:0Hz Lamp Flux:1091.64x1 lm | | |
| NAME: XDL E6-WRA-L2X9530-25DW | TYPE: Downlight | SERIAL No.: |
| SPEC.: XTM Artist CRI 95 3000K | DIM.: φ162mm*H188mm | |
| MFR.: SBC XICATO CORP. | | |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 5147 | 5143 | 5140 | 5143 | 5139 | 5140 | 5147 | 5143 | 5140 | 5143 | 5139 | 5140 | | | | | | |
| 5 | 4817 | 4776 | 4643 | 4635 | 4603 | 4680 | 4663 | 4665 | 4777 | 4768 | 4812 | 4774 | | | | | | |
| 10 | 3551 | 3520 | 3319 | 3295 | 3243 | 3321 | 3240 | 3253 | 3456 | 3476 | 3549 | 3473 | | | | | | |
| 15 | 1854 | 1787 | 1627 | 1544 | 1489 | 1560 | 1487 | 1546 | 1706 | 1755 | 1824 | 1768 | | | | | | |
| 20 | 762 | 735 | 624 | 588 | 574 | 607 | 583 | 603 | 698 | 724 | 768 | 741 | | | | | | |
| 25 | 321 | 307 | 271 | 260 | 260 | 274 | 270 | 282 | 312 | 319 | 329 | 318 | | | | | | |
| 30 | 173 | 168 | 152 | 146 | 144 | 150 | 151 | 157 | 168 | 170 | 177 | 172 | | | | | | |
| 35 | 99.6 | 96.7 | 87.2 | 83.4 | 79.7 | 81.6 | 80.3 | 82.2 | 89.7 | 93.5 | 99.5 | 97.8 | | | | | | |
| 40 | 50.2 | 49.6 | 43.3 | 40.3 | 35.9 | 36.3 | 34.3 | 35.1 | 39.7 | 43.3 | 48.2 | 47.8 | | | | | | |
| 45 | 17.4 | 17.1 | 11.6 | 10.1 | 8.75 | 8.56 | 7.81 | 7.74 | 9.44 | 10.5 | 12.3 | 12.9 | | | | | | |
| 50 | 3.67 | 3.57 | 2.38 | 2.11 | 1.45 | 1.46 | 1.40 | 1.29 | 1.79 | 2.20 | 2.72 | 2.95 | | | | | | |
| 55 | 1.00 | 0.90 | 0.86 | 0.73 | 0.72 | 0.66 | 0.65 | 0.70 | 0.72 | 0.86 | 0.88 | 0.97 | | | | | | |
| 60 | 0.44 | 0.35 | 0.35 | 0.24 | 0.27 | 0.20 | 0.21 | 0.27 | 0.25 | 0.37 | 0.35 | 0.41 | | | | | | |
| 65 | 0.15 | 0.08 | 0.11 | 0.05 | 0.11 | 0.06 | 0.08 | 0.13 | 0.09 | 0.16 | 0.10 | 0.14 | | | | | | |
| 70 | 0.10 | 0.05 | 0.08 | 0.05 | 0.07 | 0.05 | 0.05 | 0.08 | 0.04 | 0.11 | 0.07 | 0.09 | | | | | | |
| 75 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | | | | | | |
| 80 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.04 | 0.04 | | | | | | |
| 85 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | | |
| 90 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | | |
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C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:Jasoan
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