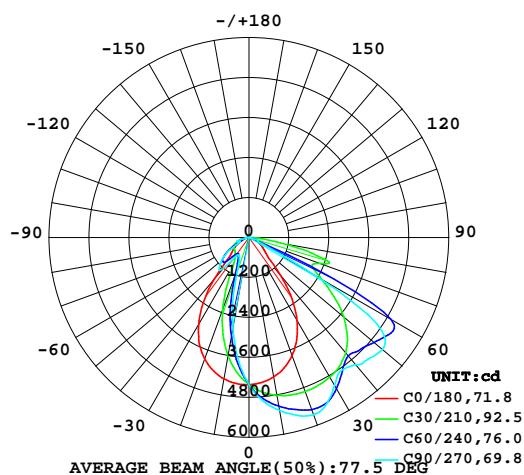


LUMINAIRE PHOTOMETRIC TEST REPORT

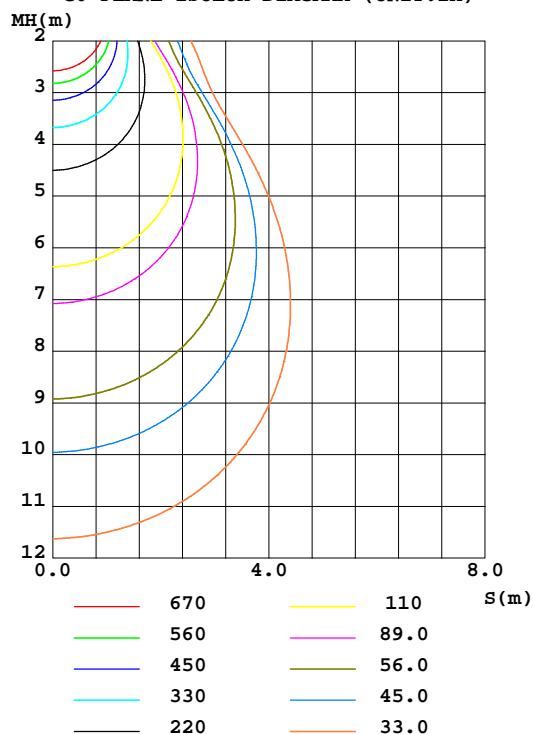
| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 160.50 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 5692 | S/MH(C0/180) | 1.06 |
| NOMINAL POWER(W) | 63 | LOR(%) | 100.0 | S/MH(C90/270) | 0.44 |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX(lm) | 10160 | h UP,DN(C0-180) | 0.2,78.8 |
| NOMINAL FLUX(lm) | 10160.2 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 0.3,20.7 |
| LAMPS INSIDE | 1 | h up(%) | 0.6 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE(V) | 120 | h down(%) | 99.4 | CIBSE SHR MAX | 1.00 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Richard
Test Date: 2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity: 65.0%
Test Distance: 8.930m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

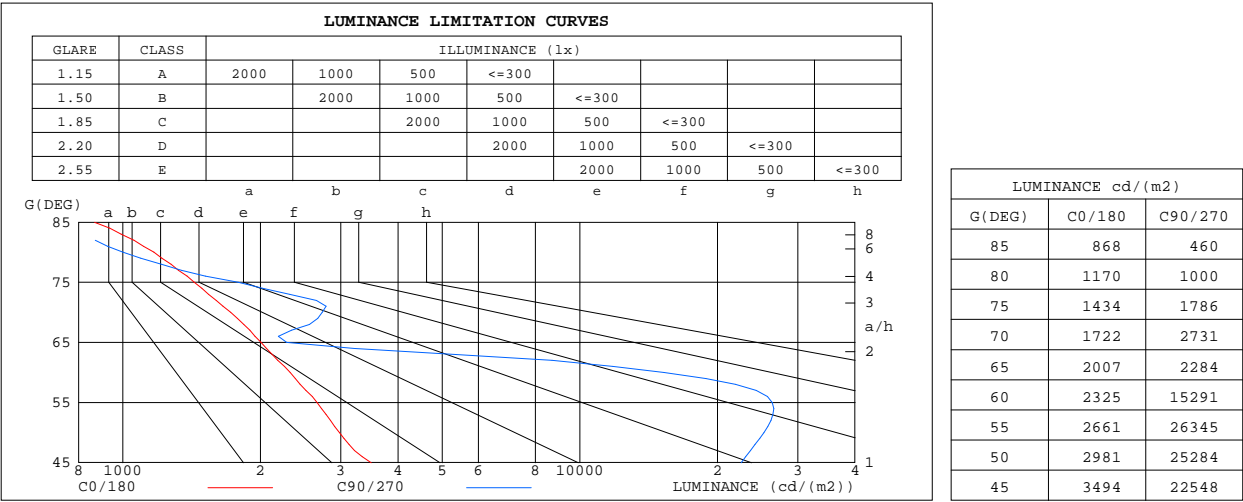
| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|--------|-------|-------|-------|---------|---------|---------|-----------|
| 10 | 4255 | 5004 | 5267 | 5084 | 4310 | 3284 | 2802 | 3209 | 0- 10 | 408.6 | 408.6 | 4.02,4.02 |
| 20 | 3778 | 5267 | 5662 | 5398 | 3888 | 1689 | 998.6 | 1567 | 10- 20 | 1084 | 1492 | 14.7,14.7 |
| 30 | 2892 | 5245 | 5140 | 5431 | 3026 | 750.3 | 626.3 | 726.0 | 20- 30 | 1487 | 2979 | 29.3,29.3 |
| 40 | 1469 | 4660 | 4987 | 4864 | 1623 | 587.3 | 1206 | 588.6 | 30- 40 | 1702 | 4681 | 46.1,46.1 |
| 50 | 611.9 | 4207 | 5229 | 4393 | 652.6 | 802.5 | 1069 | 830.3 | 40- 50 | 1914 | 6594 | 64.9,64.9 |
| 60 | 371.3 | 4540 | 2460 | 4793 | 398.8 | 648.6 | 467.7 | 640.5 | 50- 60 | 1899 | 8493 | 83.6,83.6 |
| 70 | 188.0 | 3065 | 300.5 | 3290 | 203.0 | 230.0 | 373.0 | 225.9 | 60- 70 | 1098 | 9591 | 94.4,94.4 |
| 80 | 64.90 | 183.5 | 55.87 | 190.3 | 69.45 | 111.9 | 92.92 | 107.2 | 70- 80 | 438.8 | 10030 | 98.7,98.7 |
| 90 | 1.899 | 1.764 | 1.554 | 1.953 | 0.9172 | 3.284 | 1.889 | 3.970 | 80- 90 | 73.21 | 10103 | 99.4,99.4 |
| 100 | 3.574 | 2.619 | 2.615 | 2.776 | 1.591 | 4.529 | 5.137 | 5.311 | 90-100 | 3.110 | 10106 | 99.5,99.5 |
| 110 | 6.594 | 3.586 | 4.141 | 3.798 | 2.954 | 6.303 | 6.606 | 6.728 | 100-110 | 4.418 | 10111 | 99.5,99.5 |
| 120 | 10.37 | 4.186 | 4.922 | 4.501 | 4.872 | 8.628 | 8.902 | 9.458 | 110-120 | 5.781 | 10116 | 99.6,99.6 |
| 130 | 14.26 | 5.468 | 4.970 | 5.823 | 6.913 | 13.82 | 12.34 | 12.01 | 120-130 | 7.130 | 10124 | 99.6,99.6 |
| 140 | 17.79 | 8.885 | 6.578 | 9.082 | 9.537 | 20.14 | 17.98 | 17.00 | 130-140 | 8.556 | 10132 | 99.7,99.7 |
| 150 | 20.39 | 14.38 | 11.50 | 14.42 | 12.70 | 23.68 | 25.49 | 21.85 | 140-150 | 9.665 | 10142 | 99.8,99.8 |
| 160 | 21.96 | 20.02 | 18.87 | 19.65 | 16.18 | 26.20 | 28.79 | 25.01 | 150-160 | 9.213 | 10151 | 99.9,99.9 |
| 170 | 22.48 | 24.24 | 25.04 | 23.56 | 19.61 | 27.75 | 29.87 | 26.90 | 160-170 | 6.684 | 10158 | 100,100 |
| 180 | 21.65 | 26.69 | 28.39 | 25.66 | 21.65 | 26.69 | 28.39 | 25.67 | 170-180 | 2.424 | 10160 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



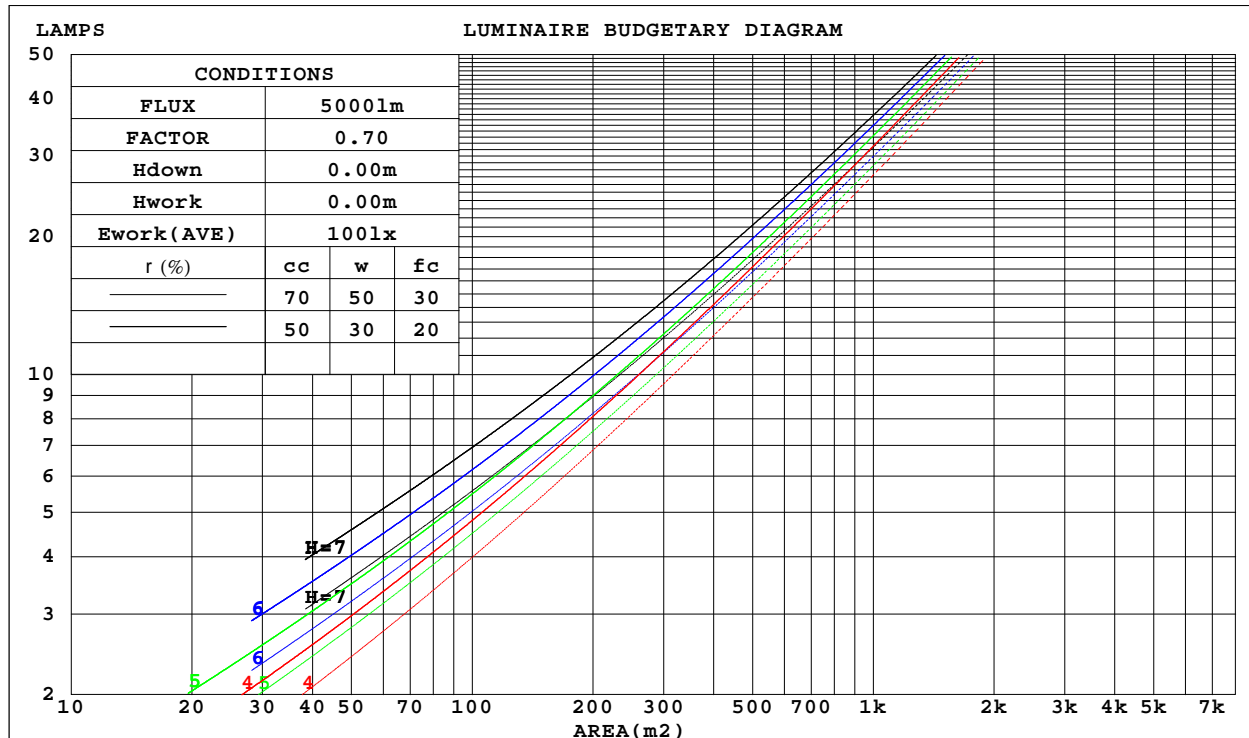
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| r cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | | | | | | | | | | | | | | |
| r w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | | | | | | | | | | | | | | |
| r fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | | | | | | | | | | | | | | |
| 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 | .99 | | | | | | | | | | | | | | |
| 1.0 | 1.05 | 1.01 | .98 | 1.03 | .99 | .96 | .99 | .96 | .93 | .95 | .92 | .90 | .91 | .89 | .87 | .85 | | | | | | | | | | | | | | |
| 2.0 | .92 | .86 | .80 | .90 | .85 | .79 | .87 | .82 | .78 | .83 | .79 | .76 | .80 | .77 | .74 | .72 | | | | | | | | | | | | | | |
| 3.0 | .81 | .74 | .67 | .80 | .73 | .67 | .77 | .71 | .65 | .74 | .69 | .64 | .71 | .67 | .63 | .61 | | | | | | | | | | | | | | |
| 4.0 | .72 | .64 | .57 | .71 | .63 | .57 | .68 | .61 | .56 | .66 | .60 | .55 | .64 | .59 | .54 | .52 | | | | | | | | | | | | | | |
| 5.0 | .65 | .56 | .49 | .63 | .55 | .49 | .61 | .54 | .49 | .59 | .53 | .48 | .57 | .52 | .47 | .45 | | | | | | | | | | | | | | |
| 6.0 | .58 | .49 | .43 | .57 | .49 | .43 | .55 | .48 | .43 | .54 | .47 | .42 | .52 | .46 | .42 | .40 | | | | | | | | | | | | | | |
| 7.0 | .53 | .44 | .38 | .52 | .44 | .38 | .50 | .43 | .38 | .49 | .42 | .37 | .48 | .42 | .37 | .35 | | | | | | | | | | | | | | |
| 8.0 | .48 | .40 | .34 | .48 | .40 | .34 | .46 | .39 | .34 | .45 | .38 | .34 | .44 | .38 | .33 | .31 | | | | | | | | | | | | | | |
| 9.0 | .44 | .36 | .31 | .44 | .36 | .31 | .43 | .35 | .30 | .41 | .35 | .30 | .40 | .34 | .30 | .28 | | | | | | | | | | | | | | |
| 10.0 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .28 | .37 | .32 | .27 | .26 | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Richard
Test Date: 2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity: 65.0%
Test Distance: 8.930m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| r cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| r w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .282 | .160 | .051 | .275 | .157 | .050 | .261 | .150 | .048 | .249 | .144 | .046 | .238 | .138 | .044 | |
| 2.0 | .272 | .149 | .046 | .266 | .147 | .045 | .254 | .141 | .044 | .243 | .137 | .043 | .233 | .132 | .042 | |
| 3.0 | .256 | .136 | .041 | .251 | .134 | .040 | .240 | .130 | .040 | .231 | .126 | .039 | .222 | .123 | .038 | |
| 4.0 | .239 | .124 | .037 | .234 | .122 | .036 | .225 | .119 | .036 | .216 | .116 | .035 | .208 | .113 | .034 | |
| 5.0 | .223 | .113 | .033 | .218 | .112 | .033 | .210 | .109 | .032 | .202 | .107 | .032 | .195 | .104 | .031 | |
| 6.0 | .208 | .104 | .030 | .204 | .103 | .030 | .196 | .101 | .029 | .189 | .098 | .029 | .183 | .096 | .029 | |
| 7.0 | .194 | .096 | .027 | .190 | .095 | .027 | .184 | .093 | .027 | .178 | .091 | .027 | .172 | .089 | .026 | |
| 8.0 | .182 | .089 | .025 | .178 | .088 | .025 | .173 | .086 | .025 | .167 | .085 | .024 | .162 | .083 | .024 | |
| 9.0 | .171 | .082 | .023 | .168 | .082 | .023 | .162 | .080 | .023 | .157 | .079 | .023 | .153 | .078 | .022 | |
| 10.0 | .161 | .077 | .021 | .158 | .076 | .021 | .153 | .075 | .021 | .149 | .074 | .021 | .144 | .073 | .021 | |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|--|------|------|------|------|------|------|------|------|------|------|------|---|
| r cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| r w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | |
| 0.0 | .195 | .195 | .195 | .166 | .166 | .166 | .114 | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .183 | .161 | .141 | .156 | .138 | .121 | .107 | .095 | .084 | .062 | .055 | .049 | .020 | .018 | .016 | |
| 2.0 | .174 | .136 | .105 | .149 | .117 | .090 | .102 | .081 | .063 | .059 | .047 | .037 | .019 | .015 | .012 | |
| 3.0 | .166 | .119 | .081 | .142 | .102 | .070 | .098 | .071 | .049 | .056 | .041 | .029 | .018 | .013 | .009 | |
| 4.0 | .159 | .105 | .064 | .136 | .091 | .056 | .094 | .063 | .039 | .054 | .037 | .023 | .017 | .012 | .008 | |
| 5.0 | .152 | .095 | .053 | .130 | .082 | .046 | .090 | .057 | .032 | .052 | .034 | .019 | .017 | .011 | .006 | |
| 6.0 | .145 | .086 | .044 | .124 | .075 | .039 | .086 | .052 | .027 | .050 | .031 | .016 | .016 | .010 | .005 | |
| 7.0 | .138 | .079 | .038 | .119 | .069 | .033 | .082 | .048 | .024 | .048 | .028 | .014 | .015 | .009 | .005 | |
| 8.0 | .132 | .074 | .034 | .113 | .064 | .029 | .078 | .045 | .021 | .046 | .026 | .012 | .015 | .009 | .004 | |
| 9.0 | .126 | .069 | .030 | .108 | .060 | .026 | .075 | .042 | .019 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .120 | .064 | .027 | .104 | .056 | .024 | .072 | .039 | .017 | .042 | .023 | .010 | .014 | .008 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2024-06-20

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|---------------|------------------|------|------|------|---------------|----------------|------------------|------|------|------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | | | | | | | | | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | | | | | | TYPE: | | WEIGHT: | | | |
| SPEC.: 5000K | | | | | | DIM.: | | SERIAL No.: | | | |
| MFR.: | | | | | | SUR.: | | 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 | 13.7 | 15.2 | 14.0 | 15.4 | 15.6 | 18.4 | 19.9 | 18.7 | 20.1 | 20.3 | |
| | 3H | 13.9 | 15.2 | 14.2 | 15.5 | 15.7 | 18.2 | 19.6 | 18.5 | 19.8 | 20.1 |
| | 4H | 13.8 | 15.1 | 14.2 | 15.4 | 15.6 | 18.1 | 19.4 | 18.5 | 19.7 | 20.0 |
| | 6H | 13.8 | 15.0 | 14.1 | 15.3 | 15.5 | 18.0 | 19.2 | 18.4 | 19.5 | 19.8 |
| | 8H | 13.7 | 14.9 | 14.1 | 15.2 | 15.5 | 18.0 | 19.2 | 18.3 | 19.4 | 19.7 |
| | 12H | 13.7 | 14.8 | 14.0 | 15.1 | 15.4 | 17.9 | 19.1 | 18.3 | 19.4 | 19.7 |
| 4H | 2H | 17.1 | 18.4 | 17.4 | 18.7 | 18.9 | 19.4 | 20.7 | 19.7 | 21.0 | 21.2 |
| | 3H | 18.3 | 19.4 | 18.6 | 19.7 | 20.0 | 19.3 | 20.4 | 19.7 | 20.7 | 21.0 |
| | 4H | 18.7 | 19.7 | 19.1 | 20.0 | 20.4 | 19.2 | 20.2 | 19.6 | 20.6 | 20.9 |
| | 6H | 18.7 | 19.6 | 19.1 | 19.9 | 20.3 | 19.1 | 20.0 | 19.6 | 20.4 | 20.8 |
| | 8H | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 | 19.1 | 19.9 | 19.5 | 20.3 | 20.7 |
| | 12H | 18.6 | 19.4 | 19.1 | 19.8 | 20.2 | 19.1 | 19.8 | 19.5 | 20.2 | 20.6 |
| 8H | 4H | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 | 19.5 | 20.3 | 19.9 | 20.7 | 21.1 |
| | 6H | 19.4 | 20.1 | 19.8 | 20.5 | 20.9 | 19.4 | 20.1 | 19.8 | 20.5 | 20.9 |
| | 8H | 19.4 | 20.0 | 19.9 | 20.5 | 20.9 | 19.3 | 19.9 | 19.8 | 20.4 | 20.8 |
| | 12H | 19.4 | 19.9 | 19.9 | 20.4 | 20.9 | 19.3 | 19.8 | 19.8 | 20.3 | 20.8 |
| 12H | 4H | 19.0 | 19.7 | 19.4 | 20.1 | 20.5 | 19.5 | 20.2 | 19.9 | 20.6 | 21.0 |
| | 6H | 19.3 | 19.9 | 19.8 | 20.4 | 20.8 | 19.4 | 20.0 | 19.9 | 20.5 | 20.9 |
| | 8H | 19.4 | 20.0 | 19.9 | 20.4 | 20.9 | 19.4 | 19.9 | 19.9 | 20.4 | 20.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 0.7 / - 0.6 | | | | | + 0.7 / - 0.7 | | | | | |
| 1.5H | + 1.0 / - 0.9 | | | | | + 2.0 / - 2.7 | | | | | |
| 2.0H | + 0.7 / - 1.7 | | | | | + 1.6 / - 2.3 | | | | | |

CIE Pub.117, 10160 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.1$)
Area: 0.3224 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

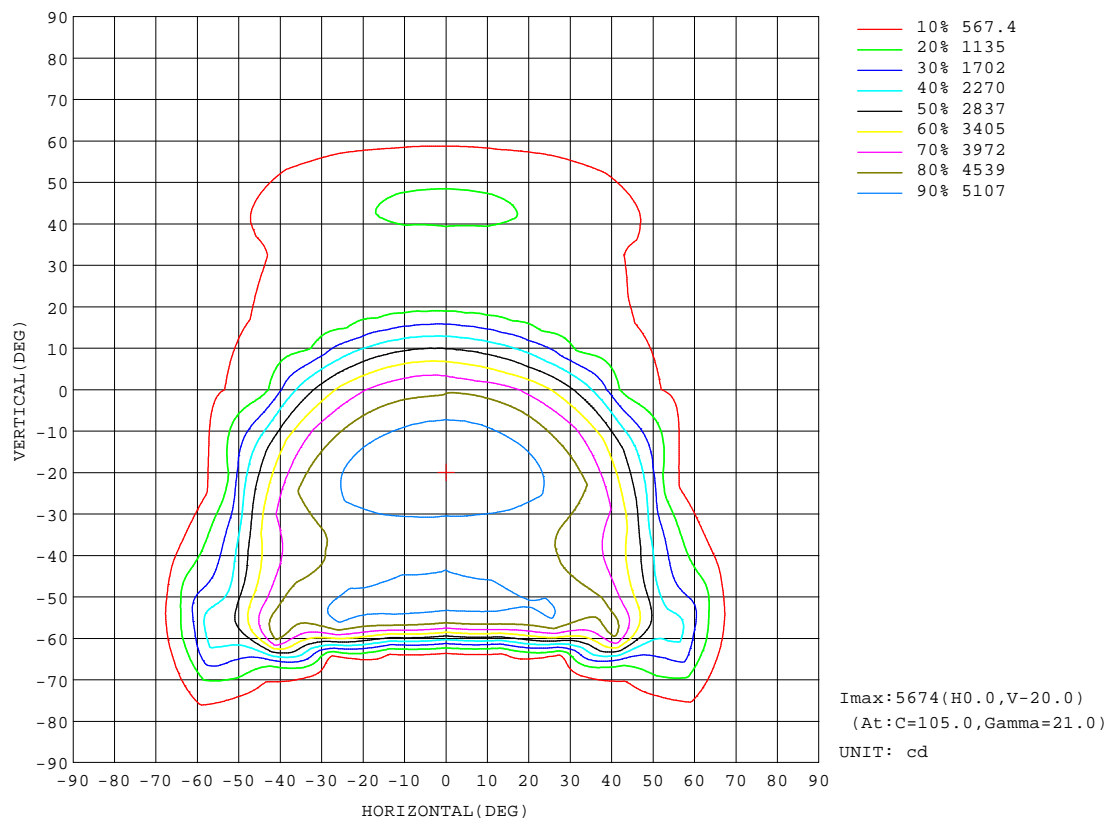
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 58 | 46 | 39 | 57 | 46 | 39 | 56 | 45 | 39 | 32 |
| 0.80 | 68 | 57 | 50 | 67 | 56 | 49 | 65 | 56 | 49 | 42 |
| 1.00 | 77 | 66 | 59 | 76 | 66 | 59 | 74 | 67 | 59 | 52 |
| 1.25 | 85 | 74 | 68 | 83 | 74 | 67 | 80 | 72 | 66 | 59 |
| 1.50 | 90 | 80 | 74 | 88 | 79 | 73 | 85 | 77 | 72 | 65 |
| 2.00 | 96 | 88 | 82 | 95 | 87 | 82 | 91 | 85 | 80 | 72 |
| 2.50 | 100 | 93 | 87 | 98 | 91 | 86 | 94 | 89 | 84 | 76 |
| 3.00 | 103 | 97 | 92 | 101 | 95 | 91 | 97 | 92 | 89 | 80 |
| 4.00 | 107 | 102 | 98 | 105 | 100 | 96 | 101 | 97 | 93 | 85 |
| 5.00 | 109 | 105 | 101 | 107 | 103 | 99 | 102 | 99 | 96 | 87 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2024-06-20

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



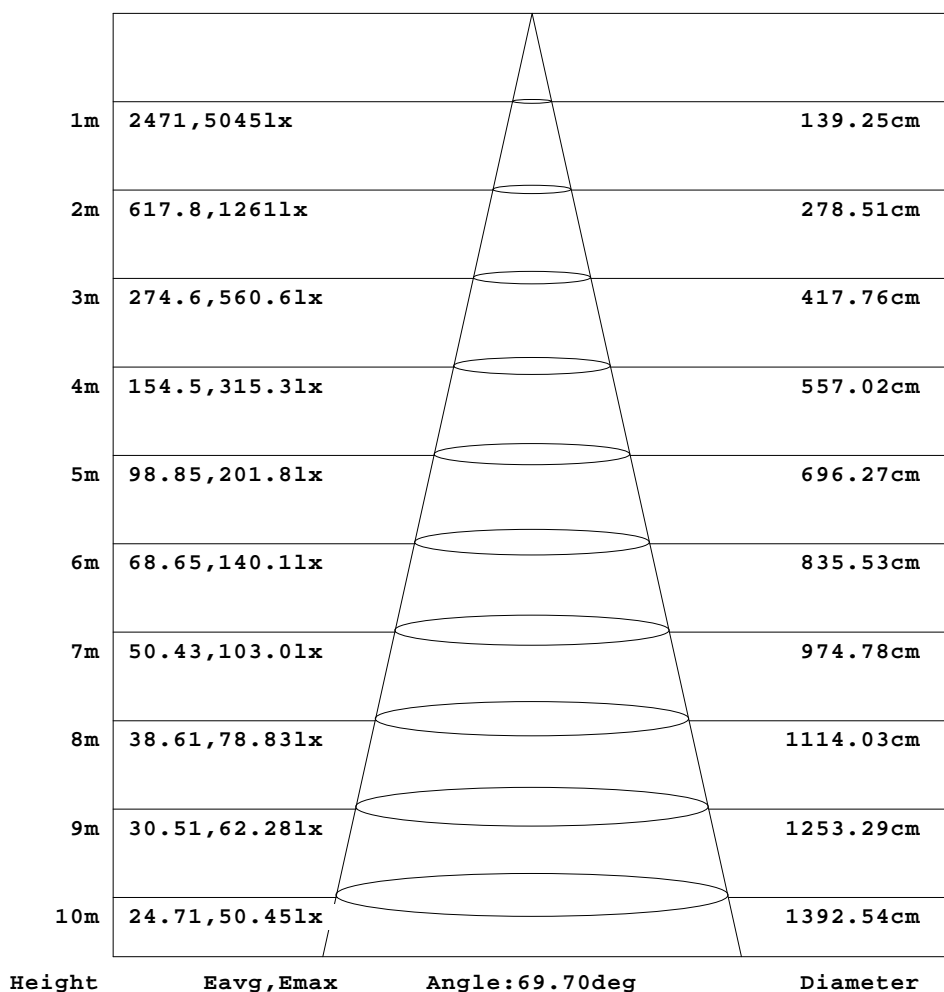
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Flux out:3806 lm



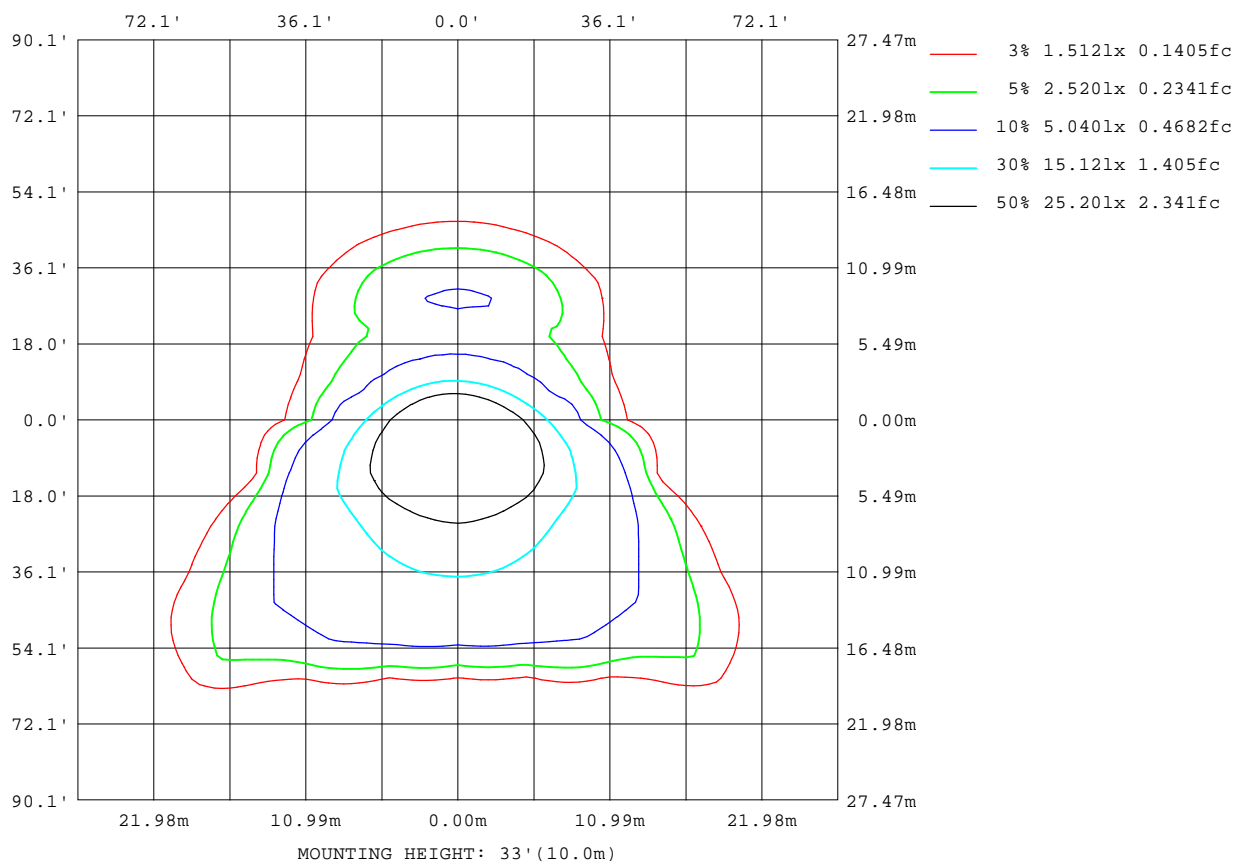
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Richard
Test Date: 2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity: 65.0%
Test Distance: 8.930m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

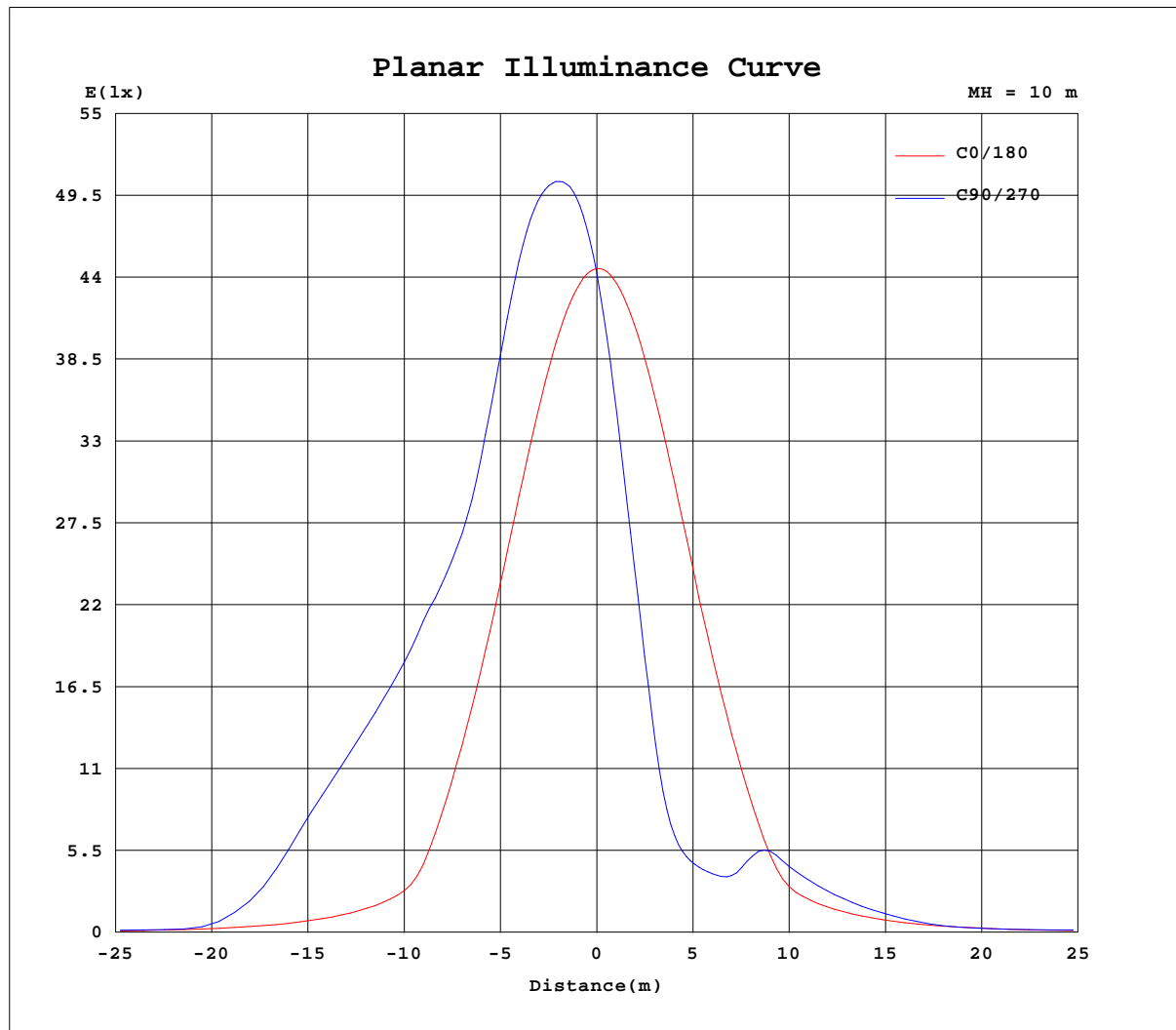
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 2067 |
| L_0~180(75)av | 1476 |
| L_0~180(85)av | 873 |
| L_90~270(65)av | 2224 |
| L_90~270(75)av | 2413 |
| L_90~270(85)av | 742 |
| L_45(65)av | 19836 |
| L_45(75)av | 5414 |
| L_45(85)av | 1459 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Richard
Test Date: 2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity: 65.0%
Test Distance: 8.930m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 | 4418 |
| 5 | 4370 | 4523 | 4661 | 4770 | 4849 | 4906 | 4925 | 4926 | 4884 | 4815 | 4694 | 4557 | 4399 | 4227 | 4076 | 3920 | 3810 | 3727 | 3695 |
| 10 | 4255 | 4560 | 4808 | 5004 | 5136 | 5235 | 5267 | 5272 | 5204 | 5084 | 4886 | 4628 | 4310 | 3956 | 3614 | 3284 | 3034 | 2872 | 2802 |
| 15 | 4061 | 4537 | 4893 | 5160 | 5347 | 5477 | 5524 | 5529 | 5431 | 5268 | 5001 | 4631 | 4141 | 3578 | 3016 | 2533 | 2164 | 1917 | 1837 |
| 20 | 3778 | 4451 | 4923 | 5267 | 5497 | 5625 | 5662 | 5686 | 5602 | 5398 | 5057 | 4562 | 3888 | 3082 | 2328 | 1689 | 1278 | 1056 | 999 |
| 25 | 3395 | 4300 | 4904 | 5320 | 5487 | 5524 | 5519 | 5602 | 5614 | 5483 | 5059 | 4429 | 3528 | 2471 | 1540 | 999 | 798 | 702 | 685 |
| 30 | 2892 | 4078 | 4843 | 5245 | 5244 | 5183 | 5140 | 5266 | 5388 | 5431 | 5021 | 4219 | 3026 | 1732 | 939 | 750 | 636 | 624 | 626 |
| 35 | 2265 | 3768 | 4728 | 5007 | 4889 | 4830 | 4863 | 4898 | 5034 | 5211 | 4927 | 3913 | 2408 | 1009 | 740 | 638 | 600 | 652 | 694 |
| 40 | 1469 | 3330 | 4514 | 4660 | 4644 | 4882 | 4987 | 4952 | 4773 | 4864 | 4728 | 3493 | 1623 | 751 | 654 | 587 | 723 | 1069 | 1206 |
| 45 | 789 | 2766 | 4178 | 4342 | 4746 | 5034 | 5129 | 5109 | 4877 | 4533 | 4407 | 2910 | 864 | 641 | 594 | 697 | 1062 | 1242 | 1253 |
| 50 | 612 | 2083 | 3723 | 4207 | 4901 | 5174 | 5229 | 5264 | 5050 | 4393 | 3946 | 2212 | 653 | 553 | 583 | 803 | 1045 | 1075 | 1069 |
| 55 | 487 | 1137 | 3132 | 4327 | 5103 | 5048 | 4861 | 5153 | 5270 | 4538 | 3340 | 1196 | 522 | 464 | 554 | 795 | 860 | 825 | 813 |
| 60 | 371 | 548 | 2536 | 4540 | 4930 | 3177 | 2460 | 3303 | 5134 | 4793 | 2731 | 599 | 399 | 375 | 546 | 649 | 599 | 499 | 468 |
| 65 | 271 | 425 | 2104 | 4857 | 1992 | 424 | 310 | 451 | 2198 | 5155 | 2318 | 470 | 292 | 293 | 469 | 411 | 315 | 290 | 296 |
| 70 | 188 | 315 | 2291 | 3065 | 239 | 287 | 301 | 298 | 254 | 3290 | 2593 | 357 | 203 | 228 | 286 | 230 | 256 | 343 | 373 |
| 75 | 118 | 202 | 2126 | 682 | 175 | 157 | 149 | 165 | 189 | 708 | 2363 | 229 | 128 | 160 | 165 | 208 | 281 | 273 | 254 |
| 80 | 64.9 | 103 | 971 | 184 | 68.2 | 61.0 | 55.9 | 63.5 | 74.0 | 190 | 1074 | 116 | 69.5 | 83.9 | 119 | 112 | 107 | 97.6 | 92.9 |
| 85 | 24.2 | 67.4 | 311 | 34.3 | 15.7 | 13.7 | 12.9 | 14.9 | 18.0 | 38.3 | 350 | 85.1 | 24.9 | 36.9 | 39.8 | 47.0 | 39.5 | 30.7 | 28.8 |
| 90 | 1.90 | 1.50 | 1.86 | 1.76 | 1.57 | 1.50 | 1.55 | 1.80 | 1.99 | 1.95 | 2.17 | 1.59 | 0.92 | 1.53 | 2.47 | 3.28 | 3.49 | 2.64 | 1.89 |
| 95 | 2.55 | 1.78 | 1.97 | 2.17 | 2.12 | 2.05 | 2.08 | 2.28 | 2.40 | 2.31 | 2.16 | 1.95 | 1.19 | 2.10 | 3.02 | 3.91 | 4.35 | 4.22 | 3.89 |
| 100 | 3.57 | 2.18 | 2.35 | 2.62 | 2.68 | 2.61 | 2.61 | 2.80 | 2.89 | 2.78 | 2.57 | 2.39 | 1.59 | 2.89 | 3.72 | 4.53 | 4.90 | 5.03 | 5.14 |
| 105 | 4.95 | 2.67 | 2.78 | 3.12 | 3.30 | 3.29 | 3.29 | 3.44 | 3.50 | 3.32 | 3.03 | 2.91 | 2.16 | 3.94 | 4.61 | 5.33 | 5.51 | 5.57 | 5.84 |
| 110 | 6.59 | 3.40 | 3.17 | 3.59 | 3.89 | 4.06 | 4.14 | 4.20 | 4.10 | 3.80 | 3.49 | 3.61 | 2.95 | 5.20 | 5.77 | 6.30 | 6.39 | 6.28 | 6.61 |
| 115 | 8.43 | 4.55 | 3.57 | 3.93 | 4.29 | 4.55 | 4.68 | 4.71 | 4.53 | 4.17 | 3.94 | 4.54 | 3.90 | 6.59 | 7.32 | 7.37 | 7.54 | 7.29 | 7.62 |
| 120 | 10.4 | 6.09 | 4.22 | 4.19 | 4.50 | 4.76 | 4.92 | 4.95 | 4.78 | 4.50 | 4.60 | 5.79 | 4.87 | 8.12 | 9.33 | 8.63 | 8.95 | 8.61 | 8.90 |
| 125 | 12.4 | 7.95 | 5.31 | 4.61 | 4.67 | 4.86 | 5.05 | 5.07 | 4.95 | 4.98 | 5.57 | 7.42 | 5.85 | 9.71 | 11.6 | 10.8 | 10.2 | 10.2 | 10.2 |
| 130 | 14.3 | 10.0 | 6.90 | 5.47 | 5.02 | 4.93 | 4.97 | 5.10 | 5.32 | 5.82 | 6.97 | 9.29 | 6.91 | 11.2 | 14.1 | 13.8 | 12.3 | 12.2 | 12.3 |
| 135 | 16.1 | 12.3 | 8.91 | 6.87 | 5.90 | 5.41 | 5.29 | 5.59 | 6.23 | 7.16 | 8.80 | 11.2 | 8.15 | 12.4 | 16.2 | 17.2 | 15.6 | 14.8 | 15.1 |
| 140 | 17.8 | 14.5 | 11.3 | 8.89 | 7.48 | 6.71 | 6.58 | 6.93 | 7.80 | 9.08 | 11.0 | 13.2 | 9.54 | 13.4 | 17.9 | 20.1 | 19.6 | 18.3 | 18.0 |
| 145 | 19.2 | 16.6 | 13.8 | 11.5 | 9.87 | 8.83 | 8.63 | 9.06 | 10.1 | 11.6 | 13.4 | 15.1 | 11.1 | 14.7 | 18.9 | 22.4 | 23.1 | 22.4 | 21.7 |
| 150 | 20.4 | 18.5 | 16.4 | 14.4 | 12.9 | 11.8 | 11.5 | 12.0 | 13.1 | 14.4 | 15.7 | 16.8 | 12.7 | 16.1 | 19.9 | 23.7 | 25.7 | 25.9 | 25.5 |
| 155 | 21.3 | 20.0 | 18.7 | 17.3 | 16.3 | 15.3 | 15.1 | 15.5 | 16.3 | 17.1 | 17.7 | 18.2 | 14.4 | 17.7 | 21.4 | 24.8 | 26.9 | 27.9 | 27.9 |
| 160 | 22.0 | 21.3 | 20.7 | 20.0 | 19.5 | 19.0 | 18.9 | 19.1 | 19.5 | 19.6 | 19.6 | 19.6 | 16.2 | 19.5 | 23.1 | 26.2 | 28.0 | 28.8 | 28.8 |
| 165 | 22.4 | 22.3 | 22.3 | 22.3 | 22.3 | 22.3 | 22.2 | 22.3 | 22.1 | 21.8 | 21.1 | 20.8 | 18.1 | 21.3 | 24.7 | 27.4 | 29.0 | 29.8 | 29.7 |
| 170 | 22.5 | 23.0 | 23.6 | 24.2 | 24.7 | 25.1 | 25.0 | 24.9 | 24.4 | 23.6 | 22.6 | 21.8 | 19.6 | 22.5 | 25.4 | 27.7 | 29.2 | 30.0 | 29.9 |
| 175 | 22.2 | 23.3 | 24.5 | 25.7 | 26.5 | 27.1 | 27.0 | 26.7 | 25.9 | 24.7 | 23.4 | 22.2 | 20.8 | 23.2 | 25.4 | 27.4 | 28.7 | 29.5 | 29.3 |
| 180 | 21.6 | 23.4 | 25.1 | 26.7 | 27.8 | 28.5 | 28.4 | 28.0 | 27.0 | 25.7 | 24.0 | 22.3 | 21.7 | 23.4 | 25.1 | 26.7 | 27.8 | 28.5 | 28.4 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|------------------|
| Test:U:120.11V I:0.5270A P:63.302W PF:0.9918 Freq:59.98Hz Lamp Flux:10160.2x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) g (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 4418 | 4418 | 4418 | 4418 | 4418 | | | | | | | | | | | | | |
| 5 | 3709 | 3780 | 3882 | 4027 | 4193 | | | | | | | | | | | | | |
| 10 | 2836 | 2972 | 3209 | 3524 | 3877 | | | | | | | | | | | | | |
| 15 | 1874 | 2078 | 2427 | 2892 | 3457 | | | | | | | | | | | | | |
| 20 | 1030 | 1204 | 1567 | 2180 | 2931 | | | | | | | | | | | | | |
| 25 | 697 | 770 | 942 | 1389 | 2297 | | | | | | | | | | | | | |
| 30 | 626 | 633 | 726 | 881 | 1543 | | | | | | | | | | | | | |
| 35 | 666 | 605 | 620 | 717 | 923 | | | | | | | | | | | | | |
| 40 | 1111 | 764 | 589 | 640 | 723 | | | | | | | | | | | | | |
| 45 | 1240 | 1090 | 736 | 586 | 623 | | | | | | | | | | | | | |
| 50 | 1072 | 1045 | 830 | 589 | 540 | | | | | | | | | | | | | |
| 55 | 817 | 844 | 802 | 574 | 457 | | | | | | | | | | | | | |
| 60 | 484 | 578 | 640 | 556 | 369 | | | | | | | | | | | | | |
| 65 | 289 | 291 | 388 | 463 | 293 | | | | | | | | | | | | | |
| 70 | 347 | 259 | 226 | 269 | 228 | | | | | | | | | | | | | |
| 75 | 258 | 276 | 209 | 161 | 155 | | | | | | | | | | | | | |
| 80 | 95.8 | 103 | 107 | 114 | 80.8 | | | | | | | | | | | | | |
| 85 | 28.8 | 36.6 | 44.4 | 39.9 | 35.5 | | | | | | | | | | | | | |
| 90 | 2.55 | 3.83 | 3.97 | 3.35 | 1.82 | | | | | | | | | | | | | |
| 95 | 4.46 | 5.14 | 4.75 | 3.80 | 2.18 | | | | | | | | | | | | | |
| 100 | 5.73 | 6.04 | 5.31 | 4.25 | 2.69 | | | | | | | | | | | | | |
| 105 | 6.58 | 6.74 | 5.89 | 4.82 | 3.32 | | | | | | | | | | | | | |
| 110 | 7.46 | 7.52 | 6.73 | 5.58 | 4.04 | | | | | | | | | | | | | |
| 115 | 8.48 | 8.54 | 7.84 | 6.44 | 4.82 | | | | | | | | | | | | | |
| 120 | 9.56 | 9.94 | 9.46 | 7.14 | 5.62 | | | | | | | | | | | | | |
| 125 | 11.1 | 12.3 | 10.8 | 8.06 | 6.54 | | | | | | | | | | | | | |
| 130 | 13.9 | 14.5 | 12.0 | 9.58 | 7.50 | | | | | | | | | | | | | |
| 135 | 16.1 | 15.8 | 13.9 | 11.6 | 8.32 | | | | | | | | | | | | | |
| 140 | 18.5 | 18.4 | 17.0 | 13.6 | 9.25 | | | | | | | | | | | | | |
| 145 | 21.9 | 21.7 | 19.8 | 15.3 | 10.6 | | | | | | | | | | | | | |
| 150 | 25.5 | 24.5 | 21.8 | 17.1 | 12.5 | | | | | | | | | | | | | |
| 155 | 27.6 | 26.3 | 23.4 | 19.2 | 15.0 | | | | | | | | | | | | | |
| 160 | 28.5 | 27.3 | 25.0 | 21.6 | 17.8 | | | | | | | | | | | | | |
| 165 | 29.3 | 28.2 | 26.5 | 23.7 | 20.2 | | | | | | | | | | | | | |
| 170 | 29.4 | 28.4 | 26.9 | 24.6 | 21.7 | | | | | | | | | | | | | |
| 175 | 28.9 | 27.8 | 26.4 | 24.5 | 22.2 | | | | | | | | | | | | | |
| 180 | 28.0 | 27.0 | 25.7 | 24.0 | 22.3 | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks: