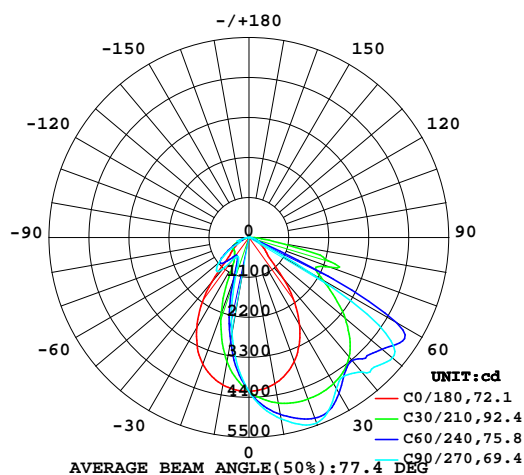


LUMINAIRE PHOTOMETRIC TEST REPORT

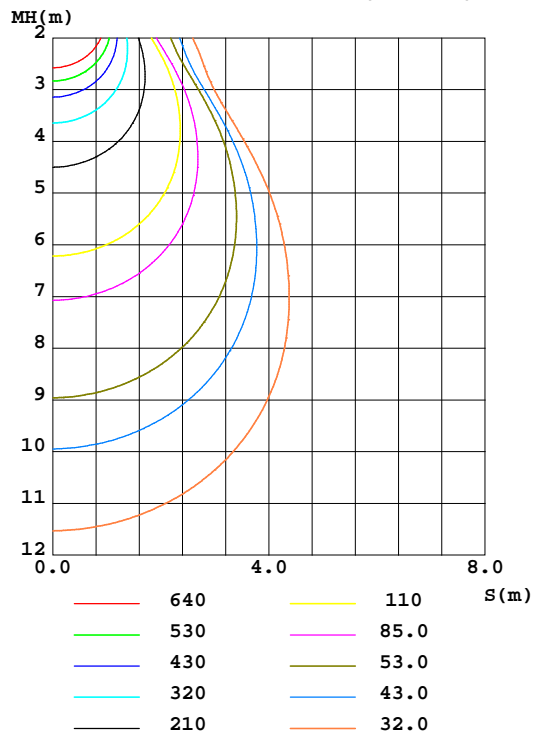
| | | |
|--|-------|------------------|
| Test:U:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 152.48 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 5449 | 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) | 9689.9 | h UP,DN(C0-180) | 0.2,78.5 |
| NOMINAL FLUX(lm) | 9689.89 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 0.3,20.9 |
| LAMPS INSIDE | 1 | h up(%) | 0.6 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 120 | h down(%) | 99.4 | CIBSE SHR MAX | 0.95 |

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:

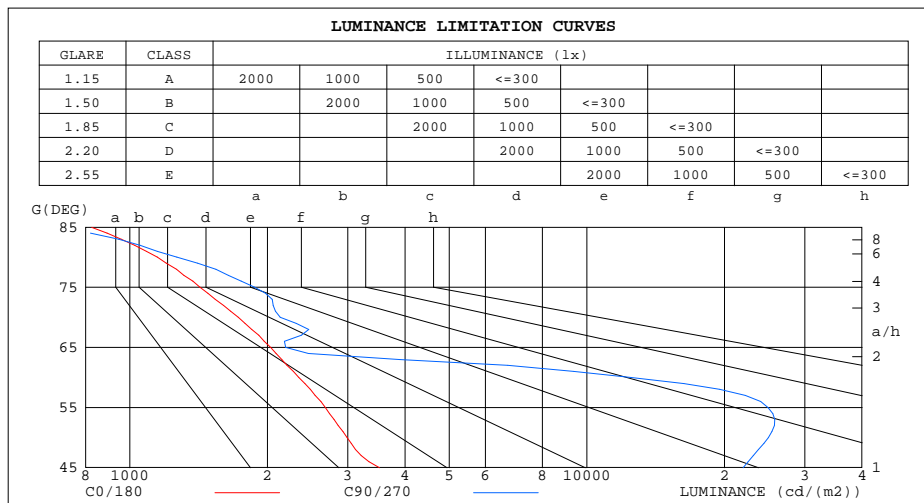
| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|--------|-------|-------|-------|---------|---------|---------|-----------|
| 10 | 4085 | 4809 | 5059 | 4862 | 4121 | 3167 | 2703 | 3098 | 0- 10 | 392.3 | 392.3 | 4.05,4.05 |
| 20 | 3639 | 5079 | 5434 | 5161 | 3711 | 1669 | 1017 | 1564 | 10- 20 | 1044 | 1436 | 14.8,14.8 |
| 30 | 2786 | 5010 | 4810 | 5140 | 2883 | 728.8 | 610.4 | 709.8 | 20- 30 | 1426 | 2862 | 29.5,29.5 |
| 40 | 1477 | 4365 | 4831 | 4506 | 1598 | 599.5 | 1141 | 604.5 | 30- 40 | 1622 | 4484 | 46.3,46.3 |
| 50 | 616.6 | 4028 | 5157 | 4138 | 638.5 | 815.7 | 1091 | 840.9 | 40- 50 | 1840 | 6325 | 65.3,65.3 |
| 60 | 376.1 | 4455 | 2009 | 4605 | 388.6 | 616.1 | 432.4 | 605.6 | 50- 60 | 1827 | 8151 | 84.1,84.1 |
| 70 | 189.6 | 2432 | 234.8 | 2620 | 195.0 | 196.5 | 301.7 | 196.3 | 60- 70 | 1018 | 9169 | 94.6,94.6 |
| 80 | 64.04 | 191.8 | 70.80 | 199.2 | 65.95 | 96.53 | 70.95 | 94.24 | 70- 80 | 397.8 | 9567 | 98.7,98.7 |
| 90 | 1.814 | 1.624 | 1.440 | 1.857 | 0.8753 | 3.037 | 1.584 | 3.608 | 80- 90 | 69.36 | 9636 | 99.4,99.4 |
| 100 | 3.408 | 2.489 | 2.488 | 2.660 | 1.546 | 4.179 | 4.633 | 4.691 | 90-100 | 2.844 | 9639 | 99.5,99.5 |
| 110 | 6.325 | 3.468 | 4.021 | 3.684 | 2.857 | 5.813 | 6.015 | 6.032 | 100-110 | 4.110 | 9643 | 99.5,99.5 |
| 120 | 9.923 | 4.065 | 4.836 | 4.357 | 4.696 | 7.933 | 8.095 | 8.552 | 110-120 | 5.413 | 9649 | 99.6,99.6 |
| 130 | 13.61 | 5.340 | 4.795 | 5.686 | 6.572 | 12.71 | 11.21 | 11.07 | 120-130 | 6.688 | 9655 | 99.6,99.6 |
| 140 | 16.97 | 8.668 | 6.471 | 8.862 | 9.046 | 18.96 | 16.53 | 15.57 | 130-140 | 8.055 | 9663 | 99.7,99.7 |
| 150 | 19.48 | 13.92 | 11.24 | 13.96 | 12.06 | 22.57 | 23.83 | 20.42 | 140-150 | 9.154 | 9672 | 99.8,99.8 |
| 160 | 21.05 | 19.22 | 18.19 | 18.84 | 15.44 | 24.82 | 27.17 | 23.38 | 150-160 | 8.766 | 9681 | 99.9,99.9 |
| 170 | 21.59 | 23.20 | 23.91 | 22.45 | 18.76 | 26.33 | 28.14 | 25.17 | 160-170 | 6.346 | 9688 | 100,100 |
| 180 | 20.79 | 25.44 | 26.87 | 24.20 | 20.77 | 25.45 | 26.87 | 24.20 | 170-180 | 2.300 | 9690 | 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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



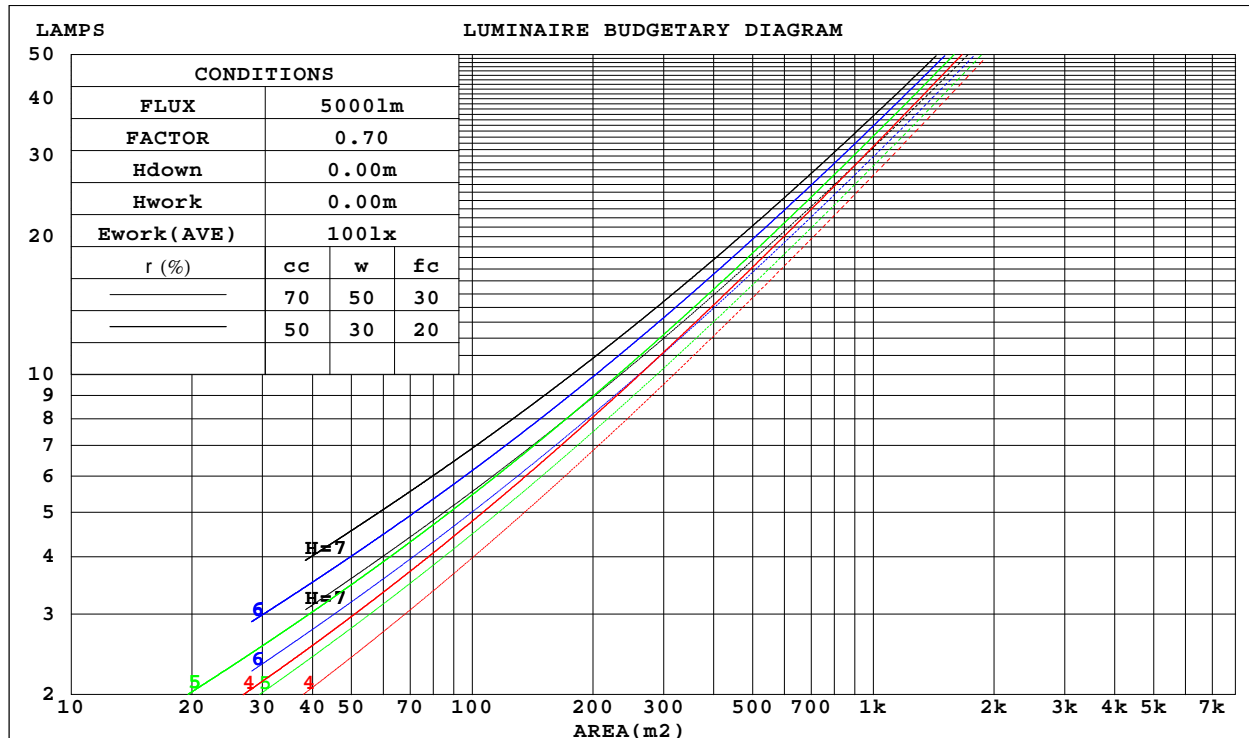
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Richard
Test Date: 2024-06-20

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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | 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 | .81 | .91 | .85 | .80 | .87 | .82 | .78 | .84 | .80 | .76 | .81 | .77 | .74 | .72 |
| 3.0 | .82 | .74 | .68 | .80 | .73 | .67 | .77 | .71 | .66 | .74 | .69 | .65 | .72 | .67 | .63 | .61 |
| 4.0 | .72 | .64 | .58 | .71 | .63 | .57 | .69 | .62 | .56 | .66 | .60 | .55 | .64 | .59 | .55 | .53 |
| 5.0 | .65 | .56 | .50 | .64 | .55 | .49 | .61 | .54 | .49 | .59 | .53 | .48 | .58 | .52 | .48 | .46 |
| 6.0 | .58 | .50 | .43 | .57 | .49 | .43 | .56 | .48 | .43 | .54 | .47 | .42 | .52 | .46 | .42 | .40 |
| 7.0 | .53 | .44 | .38 | .52 | .44 | .38 | .51 | .43 | .38 | .49 | .43 | .38 | .48 | .42 | .37 | .35 |
| 8.0 | .48 | .40 | .34 | .48 | .40 | .34 | .46 | .39 | .34 | .45 | .38 | .34 | .44 | .38 | .33 | .32 |
| 9.0 | .44 | .36 | .31 | .44 | .36 | .31 | .43 | .36 | .31 | .42 | .35 | .30 | .41 | .35 | .30 | .28 |
| 10.0 | .41 | .33 | .28 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .28 | .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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | 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 | .280 | .159 | .050 | .273 | .156 | .049 | .260 | .149 | .048 | .247 | .143 | .046 | .236 | .137 | .044 | |
| 2.0 | .271 | .149 | .046 | .265 | .146 | .045 | .253 | .141 | .044 | .242 | .136 | .042 | .232 | .131 | .041 | |
| 3.0 | .255 | .136 | .041 | .249 | .134 | .040 | .239 | .130 | .039 | .229 | .126 | .039 | .220 | .122 | .038 | |
| 4.0 | .238 | .124 | .036 | .233 | .122 | .036 | .224 | .119 | .035 | .215 | .116 | .035 | .207 | .113 | .034 | |
| 5.0 | .222 | .113 | .033 | .218 | .112 | .033 | .209 | .109 | .032 | .202 | .106 | .032 | .194 | .104 | .031 | |
| 6.0 | .207 | .104 | .030 | .203 | .103 | .030 | .196 | .100 | .029 | .189 | .098 | .029 | .182 | .096 | .029 | |
| 7.0 | .193 | .096 | .027 | .190 | .095 | .027 | .183 | .093 | .027 | .177 | .091 | .026 | .171 | .089 | .026 | |
| 8.0 | .181 | .089 | .025 | .178 | .088 | .025 | .172 | .086 | .025 | .167 | .084 | .024 | .161 | .083 | .024 | |
| 9.0 | .170 | .082 | .023 | .167 | .082 | .023 | .162 | .080 | .023 | .157 | .079 | .023 | .152 | .077 | .022 | |
| 10.0 | .160 | .077 | .021 | .158 | .076 | .021 | .153 | .075 | .021 | .148 | .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 | .061 | .055 | .049 | .020 | .018 | .016 | |
| 2.0 | .174 | .136 | .105 | .149 | .117 | .091 | .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 | .158 | .105 | .064 | .136 | .091 | .056 | .093 | .063 | .039 | .054 | .037 | .023 | .017 | .012 | .008 | |
| 5.0 | .151 | .095 | .053 | .130 | .082 | .046 | .089 | .057 | .032 | .052 | .034 | .019 | .017 | .011 | .006 | |
| 6.0 | .144 | .086 | .044 | .124 | .075 | .039 | .086 | .052 | .027 | .050 | .031 | .016 | .016 | .010 | .005 | |
| 7.0 | .138 | .079 | .038 | .118 | .069 | .033 | .082 | .048 | .024 | .048 | .028 | .014 | .015 | .009 | .005 | |
| 8.0 | .131 | .073 | .034 | .113 | .064 | .029 | .078 | .045 | .021 | .046 | .026 | .012 | .015 | .009 | .004 | |
| 9.0 | .126 | .069 | .030 | .108 | .059 | .026 | .075 | .042 | .019 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .120 | .064 | .027 | .103 | .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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | | | | | | | | | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | | | | | | TYPE: | | WEIGHT: | | | |
| SPEC.: 3000K | | | | | | 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 | 19.8 | 18.6 | 20.0 | 20.2 | |
| | 3H | 13.9 | 15.3 | 14.2 | 15.5 | 15.7 | 18.2 | 19.5 | 18.5 | 19.8 | 20.0 |
| | 4H | 13.9 | 15.1 | 14.2 | 15.4 | 15.7 | 18.1 | 19.3 | 18.4 | 19.6 | 19.9 |
| | 6H | 13.8 | 15.0 | 14.1 | 15.3 | 15.6 | 18.0 | 19.2 | 18.3 | 19.5 | 19.7 |
| | 8H | 13.8 | 14.9 | 14.1 | 15.2 | 15.5 | 17.9 | 19.1 | 18.3 | 19.4 | 19.7 |
| | 12H | 13.7 | 14.8 | 14.1 | 15.1 | 15.4 | 17.9 | 19.0 | 18.2 | 19.3 | 19.6 |
| 4H | 2H | 17.1 | 18.4 | 17.4 | 18.7 | 18.9 | 19.3 | 20.6 | 19.7 | 20.9 | 21.1 |
| | 3H | 18.3 | 19.4 | 18.7 | 19.7 | 20.1 | 19.2 | 20.3 | 19.6 | 20.6 | 20.9 |
| | 4H | 18.8 | 19.8 | 19.2 | 20.1 | 20.4 | 19.1 | 20.2 | 19.5 | 20.5 | 20.8 |
| | 6H | 18.8 | 19.7 | 19.2 | 20.0 | 20.4 | 19.1 | 19.9 | 19.5 | 20.3 | 20.7 |
| | 8H | 18.7 | 19.6 | 19.1 | 19.9 | 20.3 | 19.0 | 19.8 | 19.4 | 20.2 | 20.6 |
| | 12H | 18.7 | 19.4 | 19.1 | 19.8 | 20.3 | 19.0 | 19.7 | 19.4 | 20.1 | 20.5 |
| 8H | 4H | 19.1 | 19.9 | 19.5 | 20.3 | 20.7 | 19.4 | 20.2 | 19.8 | 20.6 | 21.0 |
| | 6H | 19.3 | 20.0 | 19.8 | 20.4 | 20.9 | 19.3 | 20.0 | 19.7 | 20.4 | 20.8 |
| | 8H | 19.4 | 20.0 | 19.8 | 20.4 | 20.9 | 19.3 | 19.9 | 19.7 | 20.3 | 20.8 |
| | 12H | 19.4 | 19.9 | 19.9 | 20.3 | 20.8 | 19.2 | 19.7 | 19.7 | 20.2 | 20.7 |
| 12H | 4H | 19.0 | 19.8 | 19.5 | 20.2 | 20.6 | 19.4 | 20.1 | 19.8 | 20.5 | 20.9 |
| | 6H | 19.3 | 19.9 | 19.8 | 20.3 | 20.8 | 19.3 | 19.9 | 19.8 | 20.3 | 20.8 |
| | 8H | 19.4 | 19.9 | 19.9 | 20.4 | 20.9 | 19.3 | 19.8 | 19.8 | 20.3 | 20.7 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 0.8 / - 0.7 | | | | | + 1.0 / - 1.1 | | | | | |
| 1.5H | + 1.2 / - 1.1 | | | | | + 2.1 / - 2.8 | | | | | |
| 2.0H | + 0.8 / - 1.7 | | | | | + 1.7 / - 2.2 | | | | | |

CIE Pub.117, 9690 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.9)
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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

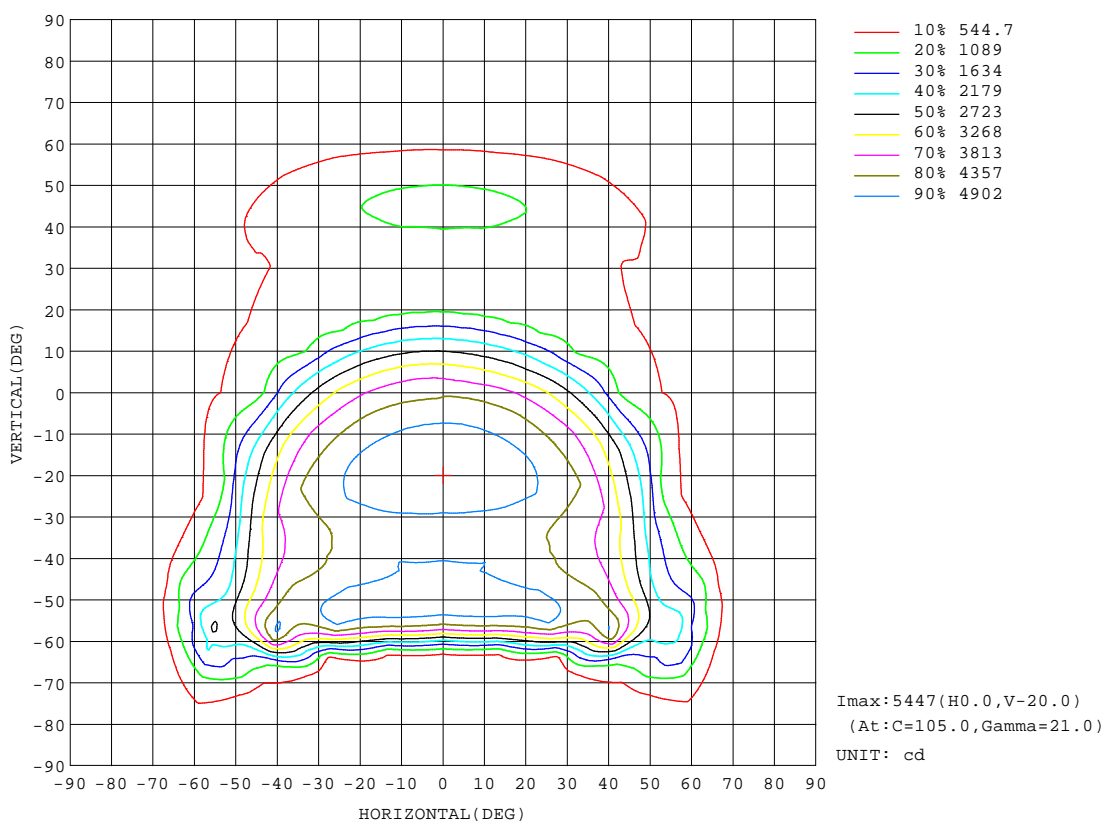
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 33 |
| 0.80 | 68 | 57 | 50 | 67 | 57 | 50 | 66 | 56 | 49 | 42 |
| 1.00 | 77 | 67 | 60 | 76 | 66 | 59 | 74 | 67 | 59 | 52 |
| 1.25 | 85 | 75 | 68 | 83 | 74 | 67 | 81 | 73 | 67 | 60 |
| 1.50 | 90 | 80 | 74 | 88 | 79 | 73 | 85 | 78 | 72 | 65 |
| 2.00 | 97 | 89 | 83 | 95 | 87 | 82 | 91 | 85 | 80 | 73 |
| 2.50 | 100 | 93 | 87 | 98 | 92 | 86 | 94 | 89 | 85 | 76 |
| 3.00 | 104 | 97 | 92 | 101 | 96 | 91 | 97 | 93 | 89 | 80 |
| 4.00 | 107 | 102 | 98 | 105 | 100 | 96 | 101 | 97 | 93 | 85 |
| 5.00 | 109 | 105 | 101 | 107 | 103 | 100 | 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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



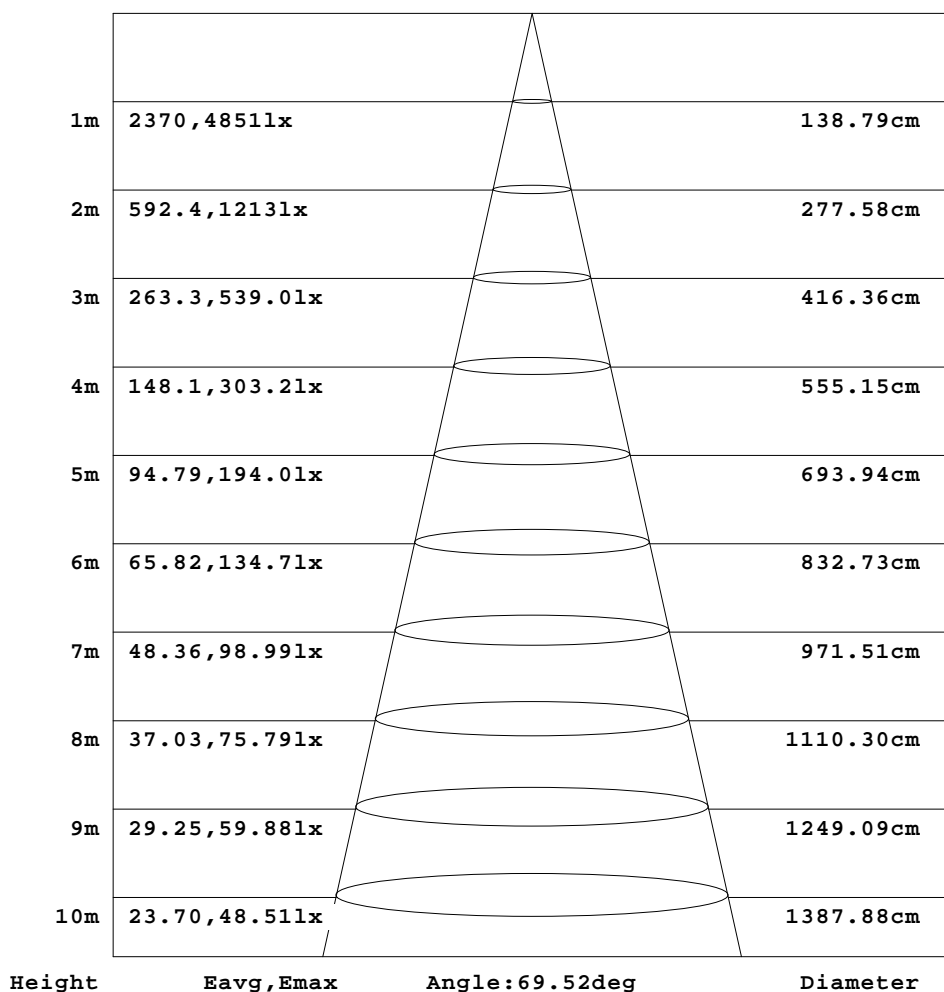
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2024-06-20

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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Flux out:3650 lm



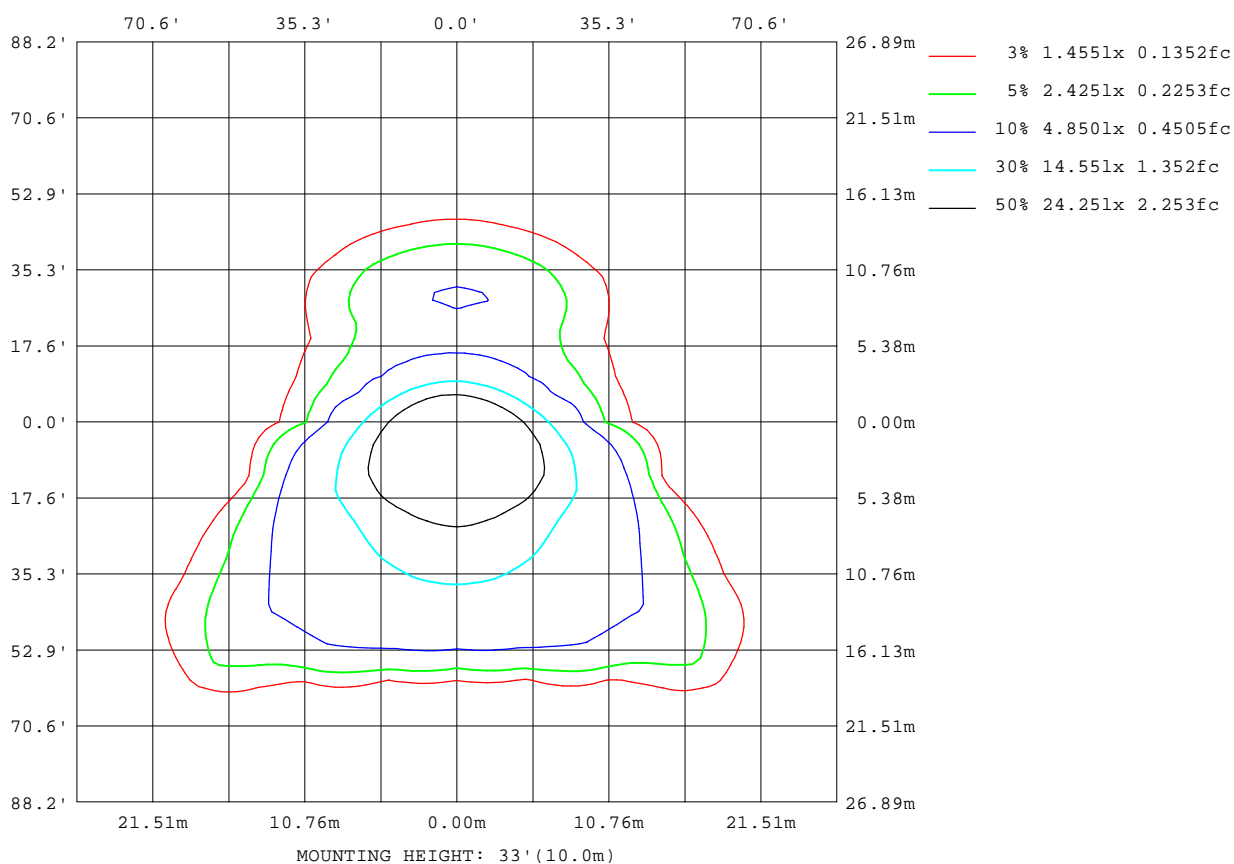
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | 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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

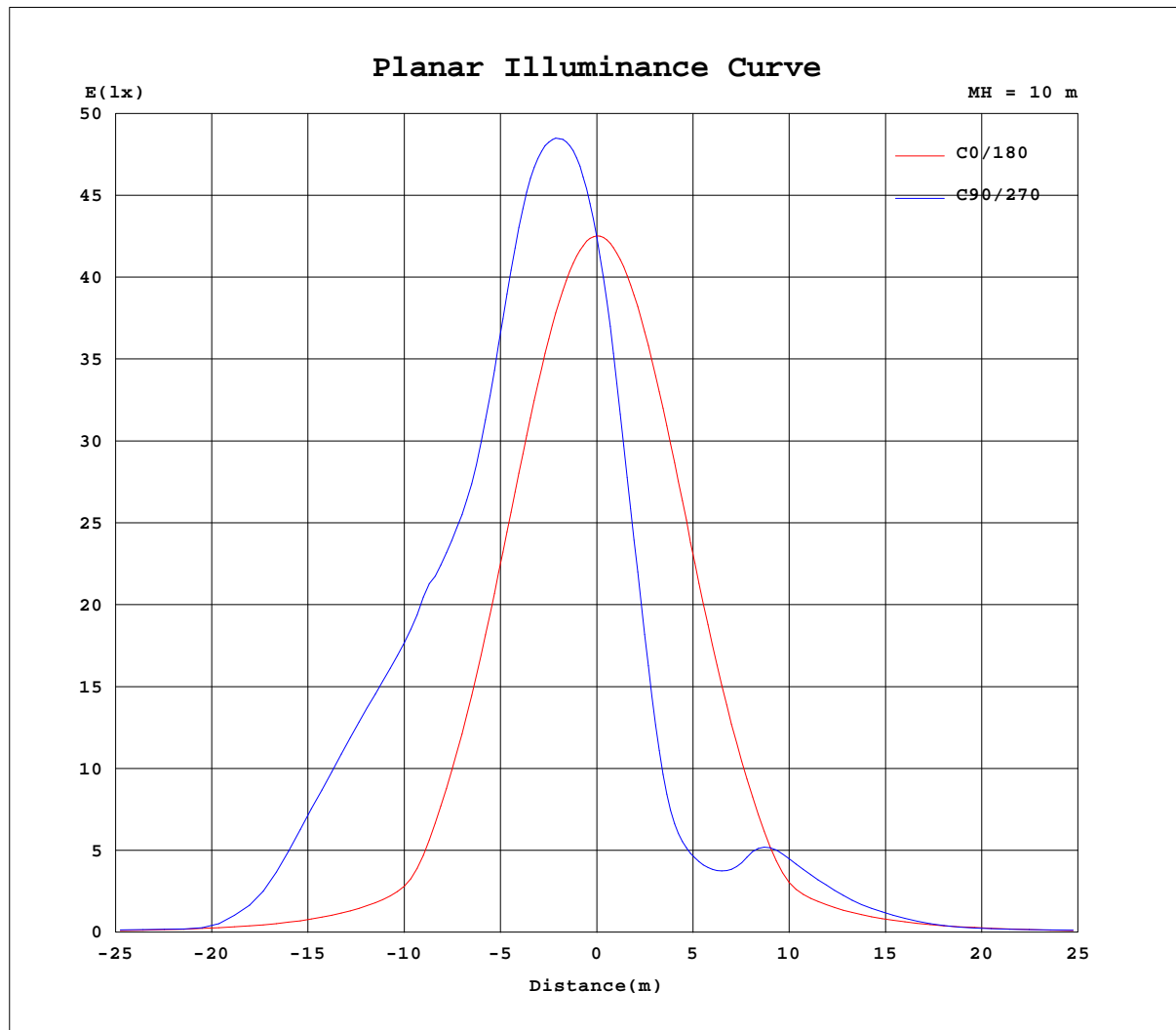
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 2053 |
| L_0~180(75)av | 1439 |
| L_0~180(85)av | 826 |
| L_90~270(65)av | 2065 |
| L_90~270(75)av | 2198 |
| L_90~270(85)av | 704 |
| L_45(65)av | 19646 |
| L_45(75)av | 4743 |
| L_45(85)av | 1514 |

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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | 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 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 | 4234 |
| 5 | 4194 | 4337 | 4468 | 4572 | 4649 | 4706 | 4722 | 4715 | 4673 | 4602 | 4492 | 4355 | 4210 | 4058 | 3913 | 3777 | 3670 | 3589 | 3570 |
| 10 | 4085 | 4382 | 4624 | 4809 | 4937 | 5027 | 5059 | 5051 | 4983 | 4862 | 4675 | 4417 | 4121 | 3794 | 3479 | 3167 | 2918 | 2766 | 2703 |
| 15 | 3905 | 4364 | 4709 | 4970 | 5150 | 5277 | 5318 | 5306 | 5206 | 5039 | 4778 | 4414 | 3959 | 3432 | 2898 | 2443 | 2105 | 1884 | 1804 |
| 20 | 3639 | 4285 | 4734 | 5079 | 5289 | 5409 | 5434 | 5448 | 5362 | 5161 | 4820 | 4352 | 3711 | 2954 | 2247 | 1669 | 1276 | 1071 | 1017 |
| 25 | 3271 | 4142 | 4715 | 5120 | 5241 | 5249 | 5225 | 5303 | 5338 | 5219 | 4814 | 4220 | 3368 | 2376 | 1527 | 970 | 801 | 713 | 693 |
| 30 | 2786 | 3929 | 4648 | 5010 | 4955 | 4857 | 4810 | 4915 | 5068 | 5140 | 4763 | 4018 | 2883 | 1712 | 910 | 729 | 642 | 613 | 610 |
| 35 | 2197 | 3626 | 4520 | 4736 | 4587 | 4580 | 4631 | 4620 | 4692 | 4881 | 4650 | 3725 | 2305 | 1009 | 703 | 634 | 602 | 661 | 701 |
| 40 | 1477 | 3201 | 4287 | 4365 | 4420 | 4719 | 4831 | 4756 | 4501 | 4506 | 4435 | 3296 | 1598 | 729 | 619 | 600 | 736 | 1013 | 1141 |
| 45 | 798 | 2660 | 3923 | 4092 | 4603 | 4906 | 4995 | 4947 | 4690 | 4211 | 4079 | 2748 | 861 | 622 | 566 | 685 | 991 | 1235 | 1270 |
| 50 | 617 | 1990 | 3467 | 4028 | 4789 | 5111 | 5157 | 5151 | 4876 | 4138 | 3624 | 2071 | 638 | 531 | 540 | 816 | 1048 | 1086 | 1091 |
| 55 | 493 | 1133 | 2896 | 4222 | 5062 | 4901 | 4596 | 4965 | 5155 | 4351 | 3042 | 1193 | 509 | 449 | 548 | 809 | 848 | 786 | 779 |
| 60 | 376 | 561 | 2360 | 4455 | 4692 | 2790 | 2009 | 2892 | 4852 | 4605 | 2496 | 584 | 389 | 359 | 533 | 616 | 567 | 465 | 432 |
| 65 | 276 | 439 | 2022 | 4918 | 1493 | 409 | 298 | 427 | 1663 | 5063 | 2180 | 459 | 284 | 281 | 441 | 371 | 277 | 259 | 264 |
| 70 | 190 | 321 | 2410 | 2432 | 256 | 255 | 235 | 262 | 269 | 2620 | 2617 | 340 | 195 | 217 | 244 | 196 | 219 | 276 | 302 |
| 75 | 118 | 202 | 2129 | 604 | 169 | 164 | 156 | 168 | 177 | 632 | 2236 | 210 | 122 | 144 | 135 | 172 | 262 | 233 | 211 |
| 80 | 64.0 | 100 | 837 | 192 | 91.1 | 80.3 | 70.8 | 83.2 | 96.6 | 199 | 879 | 106 | 65.9 | 70.4 | 98.0 | 96.5 | 92.4 | 77.1 | 70.9 |
| 85 | 23.1 | 95.2 | 278 | 46.9 | 26.3 | 22.9 | 21.0 | 24.1 | 29.0 | 51.1 | 297 | 111 | 23.3 | 27.6 | 31.6 | 37.4 | 29.3 | 20.2 | 18.6 |
| 90 | 1.81 | 1.41 | 1.84 | 1.62 | 1.46 | 1.39 | 1.44 | 1.73 | 1.87 | 1.86 | 2.08 | 1.51 | 0.88 | 1.42 | 2.35 | 3.04 | 3.01 | 2.22 | 1.58 |
| 95 | 2.43 | 1.69 | 1.84 | 2.03 | 1.98 | 1.89 | 1.92 | 2.13 | 2.24 | 2.17 | 2.03 | 1.86 | 1.14 | 1.96 | 2.85 | 3.64 | 3.90 | 3.70 | 3.40 |
| 100 | 3.41 | 2.08 | 2.23 | 2.49 | 2.55 | 2.48 | 2.49 | 2.66 | 2.75 | 2.66 | 2.46 | 2.30 | 1.55 | 2.70 | 3.48 | 4.18 | 4.48 | 4.53 | 4.63 |
| 105 | 4.73 | 2.56 | 2.65 | 2.99 | 3.18 | 3.18 | 3.21 | 3.34 | 3.36 | 3.19 | 2.92 | 2.84 | 2.11 | 3.69 | 4.30 | 4.88 | 5.03 | 5.07 | 5.31 |
| 110 | 6.32 | 3.31 | 3.07 | 3.47 | 3.76 | 3.92 | 4.02 | 4.05 | 3.97 | 3.68 | 3.38 | 3.53 | 2.86 | 4.92 | 5.34 | 5.81 | 5.79 | 5.72 | 6.01 |
| 115 | 8.07 | 4.43 | 3.49 | 3.80 | 4.17 | 4.43 | 4.56 | 4.59 | 4.41 | 4.05 | 3.84 | 4.45 | 3.75 | 6.23 | 6.75 | 6.78 | 6.86 | 6.63 | 6.93 |
| 120 | 9.92 | 5.91 | 4.14 | 4.07 | 4.39 | 4.67 | 4.84 | 4.85 | 4.64 | 4.36 | 4.48 | 5.70 | 4.70 | 7.70 | 8.64 | 7.93 | 8.18 | 7.83 | 8.10 |
| 125 | 11.8 | 7.68 | 5.19 | 4.49 | 4.52 | 4.73 | 4.88 | 4.90 | 4.79 | 4.84 | 5.45 | 7.27 | 5.61 | 9.24 | 10.8 | 9.82 | 9.40 | 9.34 | 9.31 |
| 130 | 13.6 | 9.69 | 6.75 | 5.34 | 4.87 | 4.76 | 4.79 | 4.94 | 5.18 | 5.69 | 6.84 | 9.07 | 6.57 | 10.7 | 13.2 | 12.7 | 11.2 | 11.1 | 11.2 |
| 135 | 15.4 | 11.8 | 8.67 | 6.71 | 5.77 | 5.30 | 5.20 | 5.50 | 6.08 | 6.99 | 8.61 | 10.9 | 7.71 | 11.8 | 15.3 | 16.1 | 14.2 | 13.5 | 13.7 |
| 140 | 17.0 | 13.9 | 10.9 | 8.67 | 7.32 | 6.58 | 6.47 | 6.81 | 7.62 | 8.86 | 10.7 | 12.8 | 9.05 | 12.8 | 17.0 | 19.0 | 18.2 | 16.9 | 16.5 |
| 145 | 18.3 | 16.0 | 13.4 | 11.1 | 9.63 | 8.64 | 8.47 | 8.86 | 9.91 | 11.3 | 13.0 | 14.6 | 10.5 | 13.9 | 18.0 | 21.2 | 21.7 | 20.8 | 20.0 |
| 150 | 19.5 | 17.7 | 15.8 | 13.9 | 12.6 | 11.5 | 11.2 | 11.7 | 12.8 | 14.0 | 15.1 | 16.1 | 12.1 | 15.2 | 18.9 | 22.6 | 24.3 | 24.4 | 23.8 |
| 155 | 20.4 | 19.2 | 18.0 | 16.7 | 15.7 | 14.9 | 14.7 | 15.0 | 15.8 | 16.5 | 17.1 | 17.5 | 13.7 | 16.8 | 20.3 | 23.6 | 25.6 | 26.4 | 26.3 |
| 160 | 21.0 | 20.4 | 19.9 | 19.2 | 18.7 | 18.3 | 18.2 | 18.4 | 18.7 | 18.8 | 18.8 | 18.7 | 15.4 | 18.6 | 21.9 | 24.8 | 26.5 | 27.3 | 27.2 |
| 165 | 21.5 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.3 | 21.3 | 21.2 | 20.8 | 20.2 | 19.7 | 17.3 | 20.3 | 23.4 | 26.0 | 27.4 | 28.1 | 27.9 |
| 170 | 21.6 | 22.0 | 22.6 | 23.2 | 23.6 | 23.9 | 23.9 | 23.7 | 23.2 | 22.4 | 21.5 | 20.6 | 18.8 | 21.6 | 24.1 | 26.3 | 27.6 | 28.3 | 28.1 |
| 175 | 21.4 | 22.4 | 23.5 | 24.5 | 25.3 | 25.8 | 25.7 | 25.4 | 24.6 | 23.5 | 22.2 | 21.0 | 19.9 | 22.2 | 24.2 | 26.0 | 27.2 | 27.8 | 27.7 |
| 180 | 20.8 | 22.4 | 24.0 | 25.4 | 26.4 | 27.0 | 26.9 | 26.4 | 25.5 | 24.2 | 22.7 | 21.0 | 20.8 | 22.4 | 24.0 | 25.4 | 26.4 | 27.0 | 26.9 |

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:119.97V I:0.5341A P:63.550W PF:0.9919 Freq:59.98Hz Lamp Flux:9689.89x1 lm | | |
| NAME: XWPD(45/63/90)W(30/40/50)W | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) g (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|-------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 4234 | 4234 | 4234 | 4234 | 4234 | | | | | | | | | | | | | | |
| 5 | 3573 | 3646 | 3743 | 3884 | 4031 | | | | | | | | | | | | | | |
| 10 | 2737 | 2866 | 3098 | 3417 | 3742 | | | | | | | | | | | | | | |
| 15 | 1849 | 2038 | 2358 | 2802 | 3347 | | | | | | | | | | | | | | |
| 20 | 1043 | 1211 | 1564 | 2136 | 2842 | | | | | | | | | | | | | | |
| 25 | 705 | 775 | 915 | 1395 | 2245 | | | | | | | | | | | | | | |
| 30 | 611 | 632 | 710 | 854 | 1556 | | | | | | | | | | | | | | |
| 35 | 672 | 605 | 618 | 684 | 918 | | | | | | | | | | | | | | |
| 40 | 1047 | 767 | 604 | 607 | 705 | | | | | | | | | | | | | | |
| 45 | 1240 | 1032 | 717 | 565 | 609 | | | | | | | | | | | | | | |
| 50 | 1081 | 1054 | 841 | 558 | 525 | | | | | | | | | | | | | | |
| 55 | 777 | 834 | 822 | 581 | 446 | | | | | | | | | | | | | | |
| 60 | 453 | 546 | 606 | 557 | 361 | | | | | | | | | | | | | | |
| 65 | 258 | 266 | 356 | 444 | 288 | | | | | | | | | | | | | | |
| 70 | 283 | 222 | 196 | 238 | 224 | | | | | | | | | | | | | | |
| 75 | 219 | 257 | 175 | 136 | 144 | | | | | | | | | | | | | | |
| 80 | 74.9 | 88.7 | 94.2 | 101 | 71.2 | | | | | | | | | | | | | | |
| 85 | 18.8 | 26.6 | 34.7 | 31.6 | 27.9 | | | | | | | | | | | | | | |
| 90 | 2.13 | 3.46 | 3.61 | 2.87 | 1.53 | | | | | | | | | | | | | | |
| 95 | 4.00 | 4.69 | 4.21 | 3.26 | 1.86 | | | | | | | | | | | | | | |
| 100 | 5.16 | 5.45 | 4.69 | 3.69 | 2.30 | | | | | | | | | | | | | | |
| 105 | 5.93 | 6.07 | 5.25 | 4.24 | 2.89 | | | | | | | | | | | | | | |
| 110 | 6.75 | 6.79 | 6.03 | 4.94 | 3.54 | | | | | | | | | | | | | | |
| 115 | 7.69 | 7.71 | 7.05 | 5.77 | 4.24 | | | | | | | | | | | | | | |
| 120 | 8.72 | 8.96 | 8.55 | 6.44 | 5.03 | | | | | | | | | | | | | | |
| 125 | 10.01 | 11.1 | 9.94 | 7.26 | 5.87 | | | | | | | | | | | | | | |
| 130 | 12.6 | 13.3 | 11.1 | 8.62 | 6.82 | | | | | | | | | | | | | | |
| 135 | 14.8 | 14.6 | 12.6 | 10.6 | 7.58 | | | | | | | | | | | | | | |
| 140 | 16.9 | 16.8 | 15.6 | 12.5 | 8.47 | | | | | | | | | | | | | | |
| 145 | 20.2 | 20.0 | 18.3 | 14.2 | 9.67 | | | | | | | | | | | | | | |
| 150 | 23.7 | 22.9 | 20.4 | 15.9 | 11.5 | | | | | | | | | | | | | | |
| 155 | 26.0 | 24.7 | 21.9 | 17.9 | 13.9 | | | | | | | | | | | | | | |
| 160 | 26.8 | 25.6 | 23.4 | 20.1 | 16.5 | | | | | | | | | | | | | | |
| 165 | 27.5 | 26.4 | 24.7 | 22.1 | 18.9 | | | | | | | | | | | | | | |
| 170 | 27.6 | 26.6 | 25.2 | 23.0 | 20.3 | | | | | | | | | | | | | | |
| 175 | 27.2 | 26.1 | 24.8 | 23.0 | 20.8 | | | | | | | | | | | | | | |
| 180 | 26.4 | 25.5 | 24.2 | 22.7 | 21.0 | | | | | | | | | | | | | | |

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: