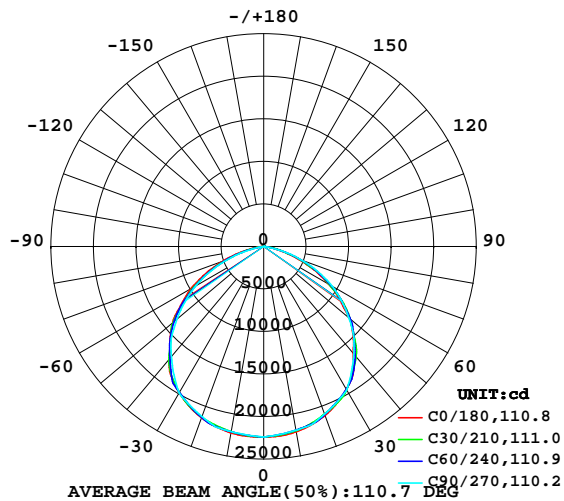


LUMINAIRE PHOTOMETRIC TEST REPORT

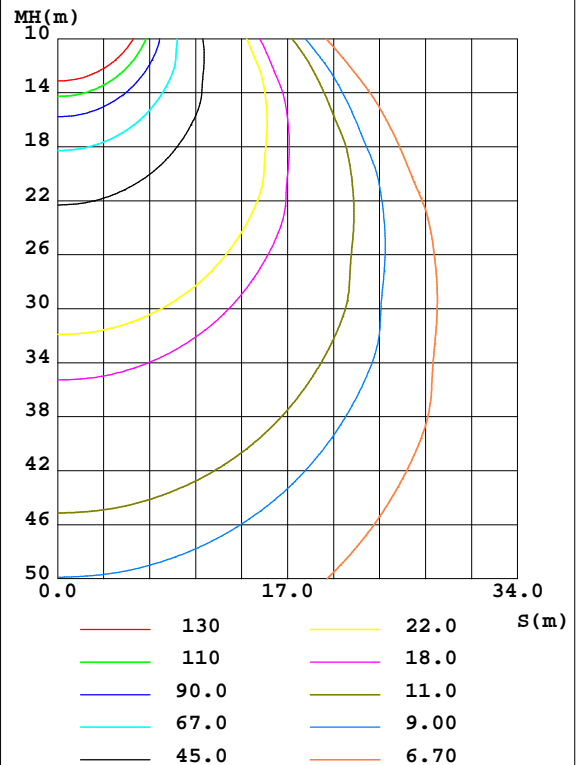
| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 154.23 lm/W | | | |
|------------------|-----------|-----------------------------------|--------|------------------------|----------|
| MODEL | GHSL-64-U | Imax(cd) | 22405 | S/MH(C0/180) | 1.32 |
| NOMINAL POWER(W) | 400 | LOR(%) | 100.0 | S/MH(C90/270) | 1.30 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 60936 | η UP,DN(C0-180) | 0.0,49.8 |
| NOMINAL FLUX(lm) | 60936.1 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 120 | η down(%) | 100.0 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [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 | 2211 | 2194 | 2193 | 2199 | 2225 | 2211 | 2210 | 2206 | 0- 10 | 2118 | 2118 | 3.48,3.48 |
| 20 | 2113 | 2114 | 2097 | 2121 | 2142 | 2142 | 2127 | 2138 | 10- 20 | 6135 | 8254 | 13.5,13.5 |
| 30 | 1942 | 1932 | 1952 | 1953 | 1987 | 1977 | 1991 | 1960 | 20- 30 | 9439 | 17692 | 29,29 |
| 40 | 1638 | 1702 | 1650 | 1738 | 1719 | 1763 | 1690 | 1731 | 30- 40 | 11531 | 29223 | 48,48 |
| 50 | 1320 | 1305 | 1308 | 1364 | 1398 | 1377 | 1333 | 1329 | 40- 50 | 11783 | 41007 | 67.3,67.3 |
| 60 | 880.7 | 884.2 | 927.7 | 928.1 | 983.5 | 930.7 | 921.0 | 894.6 | 50- 60 | 10163 | 51170 | 84,84 |
| 70 | 420.9 | 464.9 | 484.7 | 490.2 | 519.5 | 476.1 | 453.7 | 455.0 | 60- 70 | 6887 | 58057 | 95.3,95.3 |
| 80 | 71.69 | 88.98 | 0 | 98.71 | 127.1 | 78.35 | 0 | 73.93 | 70- 80 | 2741 | 60798 | 99.8,99.8 |
| 90 | 1.717 | 0 | 0 | 0 | 1.589 | 0 | 0 | 0 | 80- 90 | 138.2 | 60936 | 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:×10cd | | | | | | | | | UNIT: lm | | |

Conical surface Flux(90deg): 35192 lm

%lum = 57.8%

%lamp = 57.8%

Conical surface Flux(120deg): 51170 lm

%lum = 84.0%

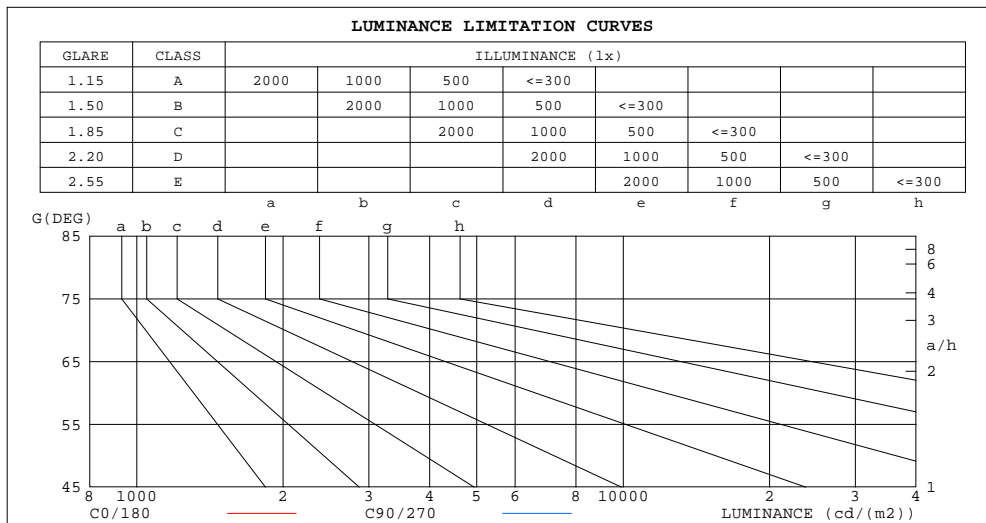
%lamp = 84.0%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 34128 | 0 |
| 80 | 172028 | 0 |
| 75 | 352089 | 423407 |
| 70 | 512774 | 590483 |
| 65 | 644715 | 696532 |
| 60 | 733882 | 773116 |
| 55 | 794458 | 812506 |
| 50 | 855832 | 848076 |
| 45 | 877383 | 883301 |

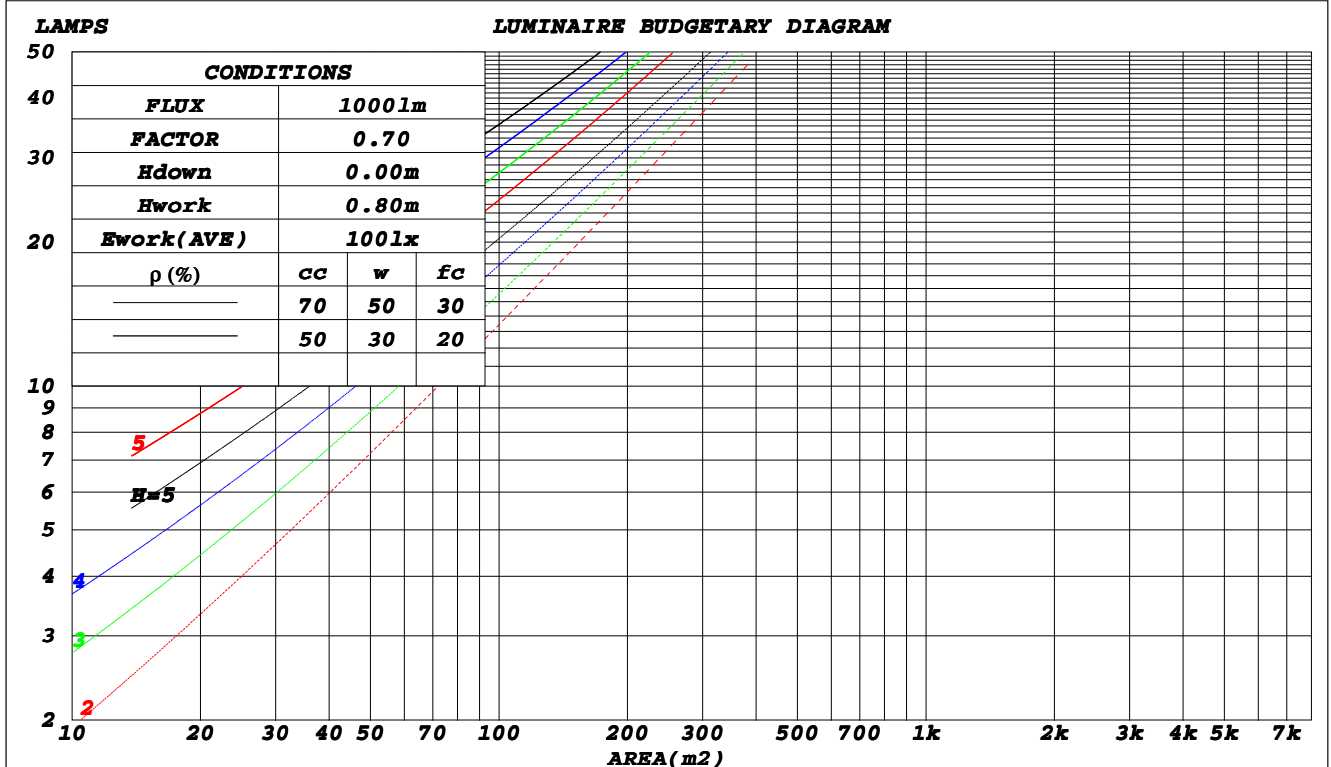
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| 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 | 1.19 | 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 | 1.06 | 1.02 | .98 | 1.03 | .90 | .97 | .99 | .96 | .94 | .95 | .93 | .91 | .92 | .90 | .88 | .86 |
| 2.0 | .93 | .86 | .81 | .91 | .85 | .80 | .87 | .82 | .78 | .84 | .80 | .76 | .81 | .78 | .75 | .73 |
| 3.0 | .82 | .74 | .68 | .80 | .73 | .67 | .77 | .71 | .66 | .74 | .69 | .65 | .72 | .68 | .64 | .62 |
| 4.0 | .73 | .64 | .58 | .71 | .63 | .57 | .69 | .62 | .56 | .66 | .61 | .56 | .64 | .59 | .55 | .53 |
| 5.0 | .65 | .56 | .50 | .64 | .56 | .49 | .62 | .54 | .49 | .60 | .53 | .48 | .58 | .52 | .48 | .46 |
| 6.0 | .58 | .50 | .43 | .58 | .49 | .43 | .56 | .48 | .43 | .54 | .48 | .43 | .52 | .47 | .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 | .39 | .34 | .44 | .38 | .34 | .32 |
| 9.0 | .44 | .36 | .31 | .44 | .36 | .31 | .43 | .36 | .31 | .42 | .35 | .30 | .41 | .35 | .30 | .28 |
| 10.0 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .28 | .38 | .32 | .27 | .26 |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .278 | .158 | .050 | .271 | .154 | .049 | .258 | .148 | .047 | .246 | .142 | .045 | .234 | .136 | .044 | | |
| 2.0 | .270 | .148 | .045 | .264 | .146 | .045 | .253 | .141 | .044 | .242 | .136 | .043 | .232 | .131 | .041 | | |
| 3.0 | .255 | .136 | .041 | .249 | .134 | .040 | .239 | .130 | .039 | .230 | .126 | .039 | .221 | .122 | .038 | | |
| 4.0 | .238 | .124 | .036 | .233 | .122 | .036 | .224 | .119 | .036 | .216 | .116 | .035 | .208 | .113 | .034 | | |
| 5.0 | .222 | .113 | .033 | .218 | .112 | .033 | .210 | .109 | .032 | .202 | .107 | .032 | .195 | .104 | .031 | | |
| 6.0 | .207 | .104 | .030 | .203 | .103 | .030 | .196 | .101 | .029 | .190 | .099 | .029 | .183 | .097 | .029 | | |
| 7.0 | .194 | .096 | .027 | .190 | .095 | .027 | .184 | .093 | .027 | .178 | .091 | .027 | .172 | .090 | .026 | | |
| 8.0 | .182 | .089 | .025 | .179 | .088 | .025 | .173 | .086 | .025 | .168 | .085 | .024 | .163 | .083 | .024 | | |
| 9.0 | .171 | .083 | .023 | .168 | .082 | .023 | .163 | .081 | .023 | .158 | .079 | .023 | .154 | .078 | .023 | | |
| 10.0 | .161 | .077 | .021 | .159 | .077 | .021 | .154 | .075 | .021 | .149 | .074 | .021 | .145 | .073 | .021 | | |

| 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 | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .178 | .156 | .137 | .152 | .134 | .118 | .104 | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 | |
| 2.0 | .169 | .132 | .101 | .145 | .114 | .087 | .099 | .079 | .061 | .057 | .046 | .036 | .018 | .015 | .012 | |
| 3.0 | .162 | .114 | .076 | .139 | .099 | .066 | .095 | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .154 | .101 | .060 | .132 | .087 | .052 | .091 | .061 | .037 | .053 | .036 | .022 | .017 | .012 | .007 | |
| 5.0 | .147 | .090 | .048 | .126 | .078 | .042 | .087 | .055 | .030 | .050 | .032 | .018 | .016 | .010 | .006 | |
| 6.0 | .140 | .082 | .040 | .120 | .071 | .035 | .083 | .050 | .025 | .048 | .029 | .015 | .016 | .010 | .005 | |
| 7.0 | .134 | .075 | .034 | .115 | .065 | .030 | .079 | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .127 | .069 | .029 | .110 | .060 | .025 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .121 | .064 | .026 | .105 | .056 | .022 | .072 | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .116 | .060 | .023 | .100 | .052 | .020 | .069 | .037 | .014 | .040 | .022 | .008 | .013 | .007 | .003 | |

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jessy
 Test Date:2024-11-12

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65%
 Test Distance:6.908m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|----------------------------------------------------------------------------------|------------------|------|------|------|------------------|----------------|------|---------------------|------|------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | | | | | | | | | |
| NAME: LED Explosion-proof Light | | | | | TYPE:Flood Light | | | WEIGHT:N/A | | |
| SPEC.:400W/5000K/110° | | | | | DIM.: 230*530mm | | | SERIAL No.:N/A | | |
| MFR.: Grin Industrial Co., Ltd. | | | | | SUR.:N/A | | | Shielding Angle:N/A | | |
| 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 | 21.8 | 23.3 | 22.1 | 23.5 | 23.7 | 21.9 | 23.4 | 22.2 | 23.6 | 23.8 |
| 3H | 22.8 | 24.2 | 23.1 | 24.4 | 24.6 | 23.1 | 24.4 | 23.4 | 24.6 | 24.9 |
| 4H | 23.1 | 24.3 | 23.4 | 24.6 | 24.8 | 23.3 | 24.6 | 23.7 | 24.9 | 25.1 |
| 6H | 23.1 | 24.3 | 23.4 | 24.5 | 24.8 | 23.3 | 24.5 | 23.7 | 24.8 | 25.1 |
| 8H | 23.0 | 24.2 | 23.4 | 24.5 | 24.7 | 23.3 | 24.4 | 23.6 | 24.7 | 25.0 |
| 12H | 23.0 | 24.1 | 23.3 | 24.4 | 24.7 | 23.2 | 24.3 | 23.6 | 24.6 | 24.9 |
| 4H 2H | 22.3 | 23.6 | 22.6 | 23.8 | 24.1 | 22.4 | 23.7 | 22.7 | 23.9 | 24.2 |
| 3H | 23.4 | 24.6 | 23.8 | 24.8 | 25.2 | 23.7 | 24.8 | 24.0 | 25.1 | 25.4 |
| 4H | 23.8 | 24.8 | 24.1 | 25.1 | 25.4 | 24.0 | 25.0 | 24.4 | 25.4 | 25.7 |
| 6H | 23.8 | 24.7 | 24.2 | 25.1 | 25.4 | 24.0 | 24.9 | 24.4 | 25.3 | 25.6 |
| 8H | 23.8 | 24.6 | 24.2 | 25.0 | 25.4 | 24.0 | 24.8 | 24.4 | 25.2 | 25.6 |
| 12H | 23.7 | 24.5 | 24.2 | 24.9 | 25.3 | 24.0 | 24.7 | 24.4 | 25.1 | 25.5 |
| 8H 4H | 23.9 | 24.7 | 24.3 | 25.0 | 25.4 | 24.1 | 24.9 | 24.5 | 25.3 | 25.7 |
| 6H | 24.0 | 24.7 | 24.4 | 25.1 | 25.5 | 24.1 | 24.8 | 24.6 | 25.2 | 25.6 |
| 8H | 24.0 | 24.6 | 24.4 | 25.0 | 25.4 | 24.1 | 24.7 | 24.6 | 25.1 | 25.6 |
| 12H | 23.9 | 24.4 | 24.4 | 24.9 | 25.4 | 24.1 | 24.6 | 24.5 | 25.0 | 25.5 |
| 12H 4H | 23.8 | 24.6 | 24.2 | 25.0 | 25.4 | 24.1 | 24.8 | 24.5 | 25.2 | 25.6 |
| 6H | 23.9 | 24.5 | 24.4 | 25.0 | 25.4 | 24.1 | 24.7 | 24.6 | 25.1 | 25.6 |
| 8H | 23.9 | 24.4 | 24.4 | 24.9 | 25.4 | 24.1 | 24.6 | 24.6 | 25.0 | 25.5 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.4 / - 0.4 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | + 0.3 / - 0.5 | | | | | + 0.2 / - 0.4 | | | | |
| 2.0H | + 0.5 / - 0.5 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117, 60936 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 14.3$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

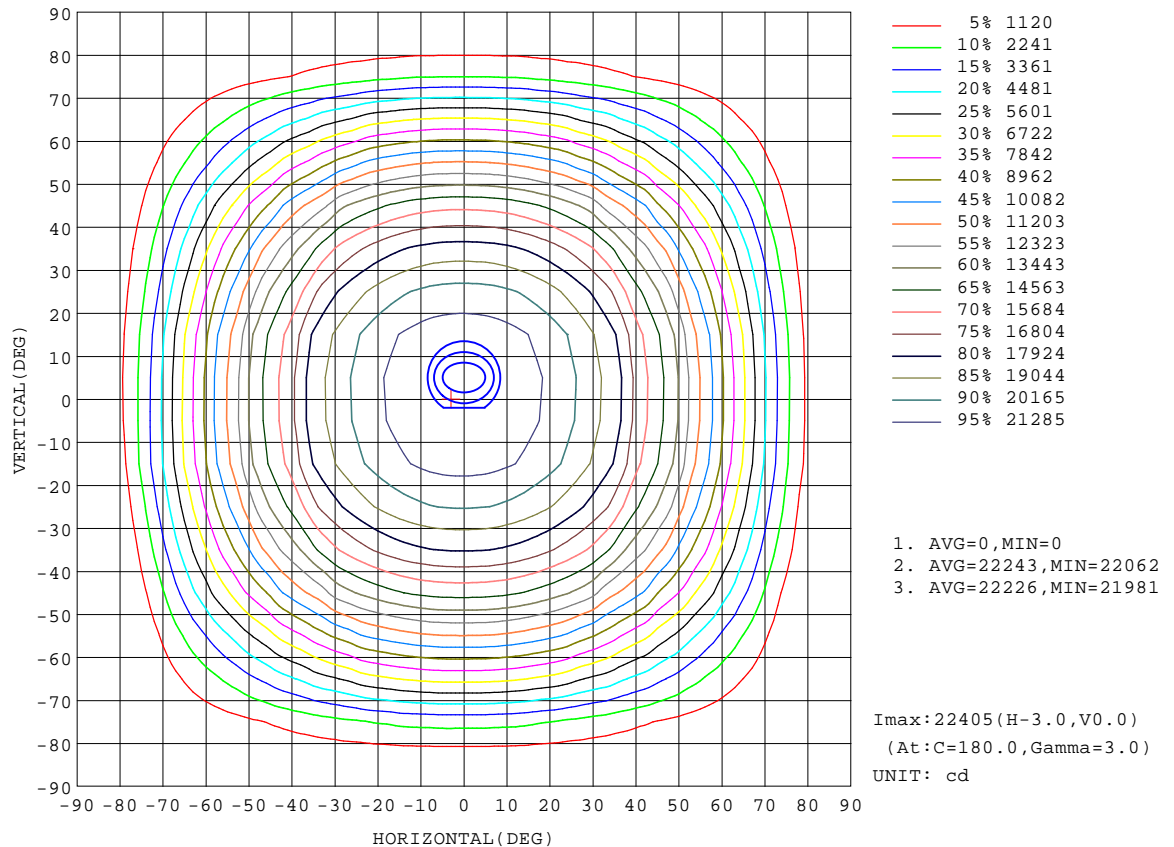
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 59 | 48 | 41 | 58 | 48 | 41 | 57 | 47 | 41 | 34 |
| 0.80 | 70 | 58 | 51 | 68 | 58 | 51 | 67 | 57 | 51 | 44 |
| 1.00 | 78 | 68 | 61 | 77 | 67 | 60 | 75 | 68 | 60 | 53 |
| 1.25 | 85 | 75 | 69 | 84 | 75 | 68 | 81 | 73 | 68 | 61 |
| 1.50 | 90 | 81 | 75 | 89 | 80 | 74 | 86 | 78 | 73 | 66 |
| 2.00 | 97 | 89 | 83 | 95 | 88 | 82 | 92 | 86 | 81 | 73 |
| 2.50 | 101 | 94 | 88 | 99 | 92 | 87 | 95 | 90 | 85 | 77 |
| 3.00 | 104 | 98 | 93 | 102 | 96 | 92 | 98 | 93 | 89 | 81 |
| 4.00 | 108 | 103 | 98 | 105 | 101 | 97 | 101 | 97 | 94 | 86 |
| 5.00 | 110 | 106 | 102 | 108 | 104 | 100 | 103 | 100 | 97 | 88 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



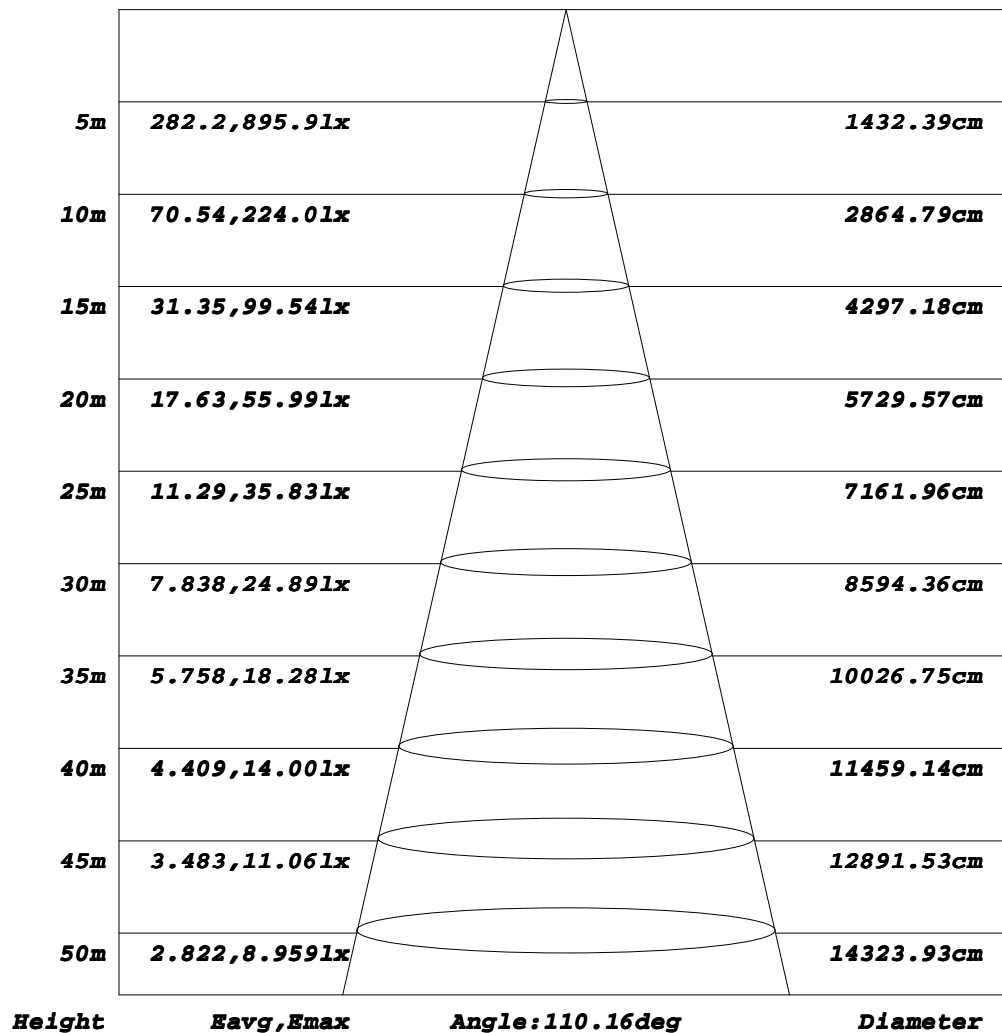
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

AAI Figure

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

Flux out:46915 lm



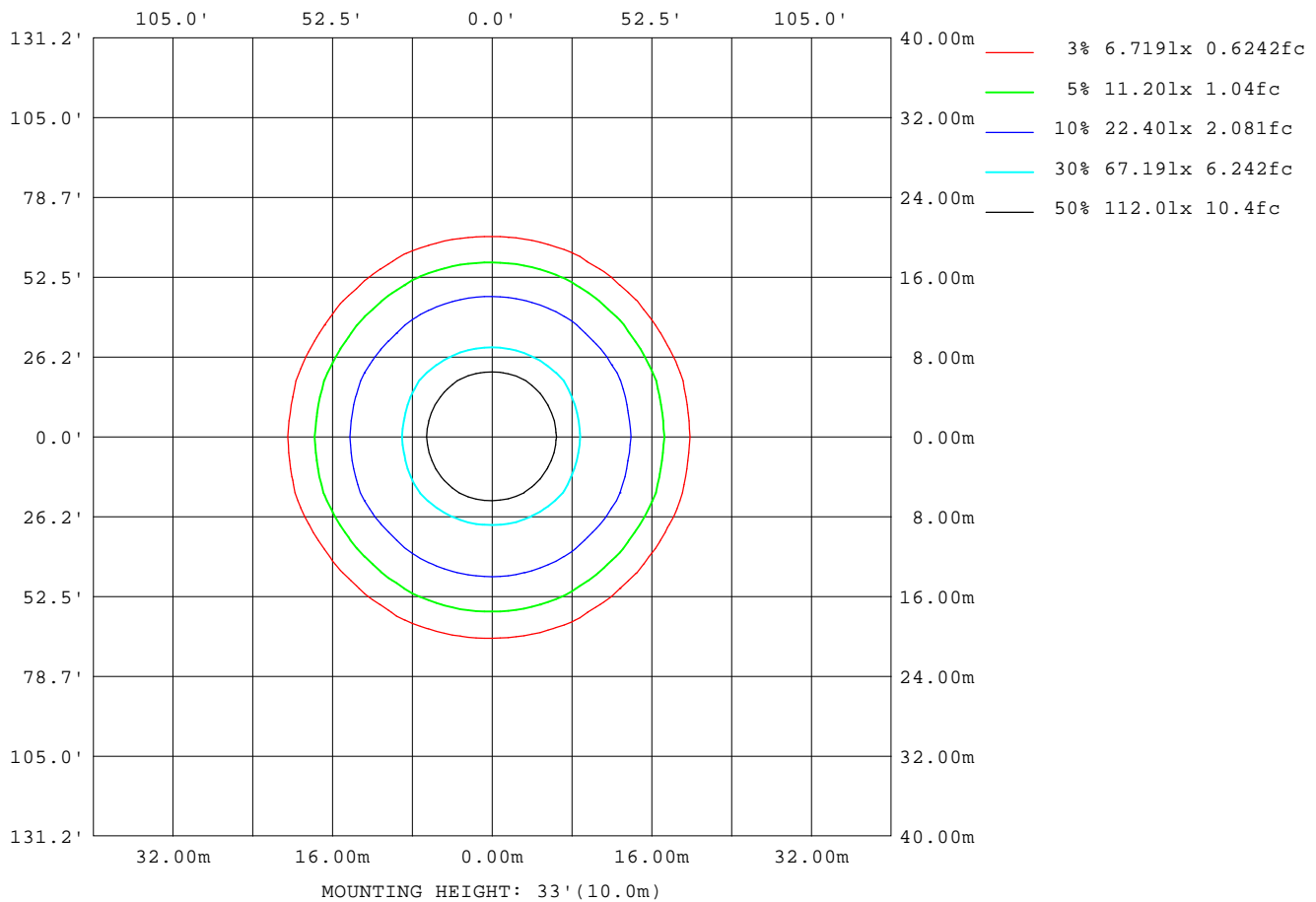
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-11-12

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.908m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|----------------------------------------------------------------------------------|------------------|---------------------|
| Test:U:119.89V I:3.3018A P:395.09W PF:0.9981 Freq:59.98Hz Lamp Flux:60936.1x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:400W/5000K/110° | DIM.: 230*530mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

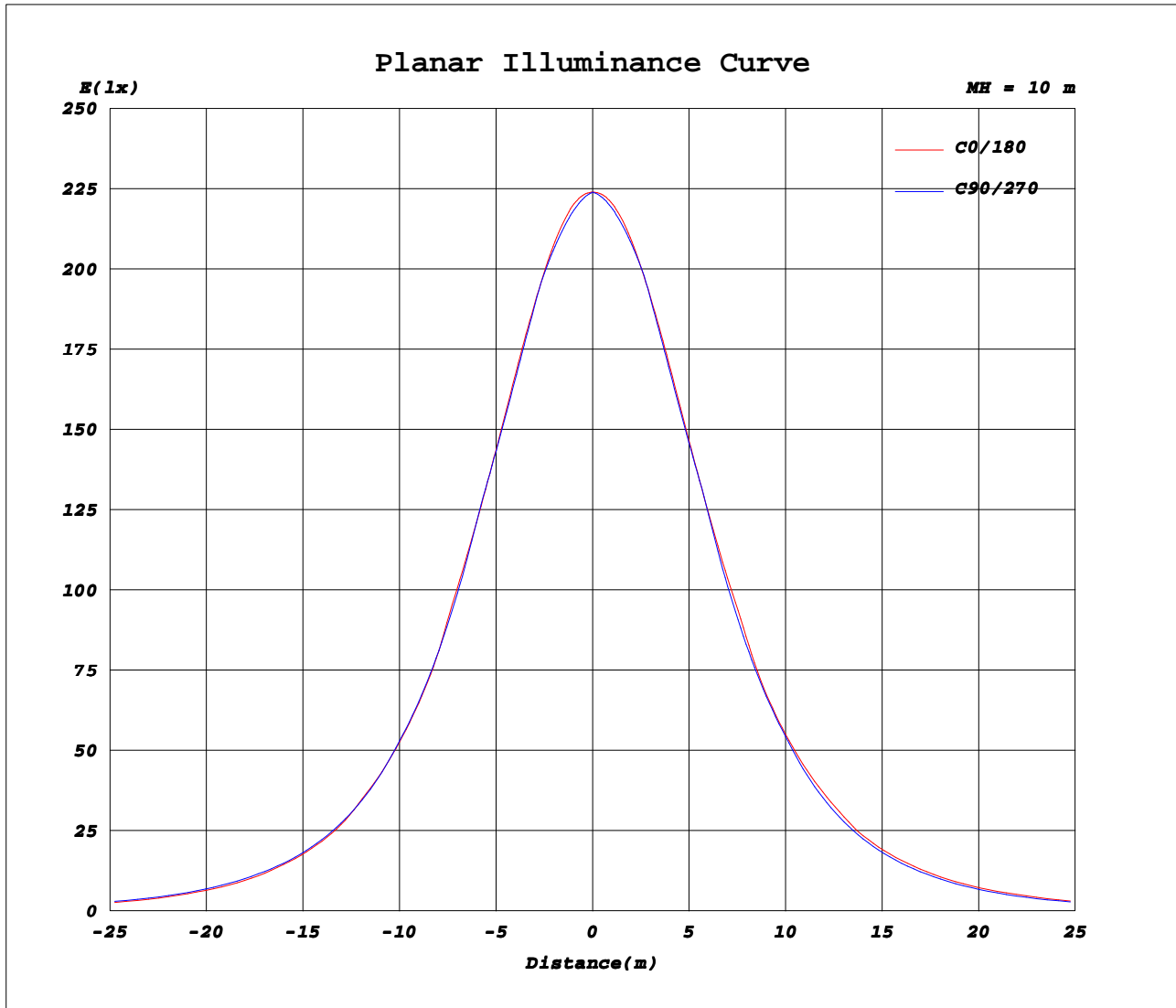
| AvgL | cd/m2 |
|----------------|--------|
| L_0~180(65)av | 692370 |
| L_0~180(75)av | 416839 |
| L_0~180(85)av | 58881 |
| L_90~270(65)av | 687621 |
| L_90~270(75)av | 389168 |
| L_90~270(85)av | 0 |
| L_45(65)av | 675919 |
| L_45(75)av | 435141 |
| L_45(85)av | 0 |

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks:

Photometric Data Table [cd]

| G/C | 0.0 | 5.0 | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 35.0 | 40.0 | 45.0 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22384 | 22374 | 22364 | 22354 | 22345 | 22337 | 22328 | 22321 | 22314 | 22307 |
| 5.0 | 22350 | 22330 | 22312 | 22294 | 22277 | 22261 | 22247 | 22234 | 22221 | 22210 |
| 7.5 | 22255 | 22229 | 22206 | 22186 | 22169 | 22152 | 22138 | 22125 | 22113 | 22097 |
| 10.0 | 22114 | 22082 | 22054 | 22032 | 22014 | 22001 | 21990 | 21969 | 21952 | 21940 |
| 12.5 | 21930 | 21895 | 21867 | 21847 | 21833 | 21815 | 21786 | 21764 | 21750 | 21743 |
| 15.0 | 21704 | 21667 | 21641 | 21626 | 21611 | 21570 | 21542 | 21525 | 21518 | 21539 |
| 17.5 | 21435 | 21398 | 21376 | 21367 | 21323 | 21281 | 21256 | 21255 | 21301 | 21347 |
| 20.0 | 21131 | 21096 | 21080 | 21062 | 20999 | 20957 | 20949 | 21007 | 21072 | 21142 |
| 22.5 | 20766 | 20740 | 20740 | 20697 | 20632 | 20595 | 20665 | 20745 | 20833 | 20750 |
| 25.0 | 20357 | 20338 | 20352 | 20274 | 20207 | 20245 | 20356 | 20472 | 20353 | 20264 |
| 27.5 | 19907 | 19899 | 19919 | 19807 | 19747 | 19875 | 20021 | 19933 | 19824 | 19762 |
| 30.0 | 19423 | 19423 | 19414 | 19294 | 19317 | 19484 | 19493 | 19348 | 19273 | 19317 |
| 32.5 | 18909 | 18917 | 18873 | 18741 | 18859 | 19056 | 18860 | 18731 | 18789 | 18861 |
| 35.0 | 18331 | 18365 | 18279 | 18164 | 18377 | 18374 | 18186 | 18204 | 18296 | 18317 |
| 37.5 | 17405 | 17588 | 17454 | 17495 | 17861 | 17627 | 17553 | 17666 | 17704 | 17703 |
| 40.0 | 16384 | 16539 | 16362 | 16522 | 16898 | 16670 | 16921 | 17059 | 17035 | 17015 |
| 42.5 | 15649 | 15772 | 15542 | 15748 | 15728 | 15670 | 16124 | 16243 | 16299 | 16201 |
| 45.0 | 14890 | 15060 | 14761 | 15122 | 14832 | 14906 | 15082 | 15143 | 15367 | 15346 |
| 47.5 | 14073 | 14232 | 13998 | 14315 | 13986 | 14231 | 14165 | 14140 | 14384 | 14209 |
| 50.0 | 13203 | 13342 | 13226 | 13315 | 13229 | 13351 | 13284 | 13249 | 13126 | 13045 |
| 52.5 | 11928 | 12123 | 12153 | 12137 | 12395 | 12406 | 12349 | 12217 | 11982 | 12100 |
| 55.0 | 10936 | 11027 | 11175 | 10858 | 11264 | 11227 | 11297 | 11064 | 11125 | 11185 |
| 57.5 | 9962 | 10009 | 10320 | 10016 | 10097 | 10139 | 10052 | 9991 | 10249 | 9993 |
| 60.0 | 8807 | 8816 | 9108 | 9149 | 9033 | 9048 | 8829 | 8992 | 9011 | 8842 |
| 62.5 | 7671 | 7628 | 7749 | 7972 | 8015 | 7739 | 7952 | 7756 | 7748 | 7843 |
| 65.0 | 6539 | 6509 | 6548 | 6743 | 6831 | 6728 | 6796 | 6604 | 6725 | 6752 |
| 67.5 | 5371 | 5468 | 5557 | 5600 | 5480 | 5801 | 5459 | 5658 | 5563 | 5603 |
| 70.0 | 4209 | 4521 | 4612 | 4630 | 4581 | 4431 | 4536 | 4482 | 4438 | 4649 |
| 72.5 | 3187 | 3554 | 3306 | 3292 | 3479 | 3454 | 3401 | 3394 | 3600 | 3707 |
| 75.0 | 2187 | 2325 | 2395 | 2492 | 2438 | 2440 | 2446 | 2653 | 2681 | 2655 |
| 77.5 | 1377 | 1379 | 1392 | 1394 | 1594 | 1616 | 1778 | 1773 | 1764 | 1732 |
| 80.0 | 716.9 | 712.4 | 705.1 | 820.3 | 879.7 | 1038 | 1022 | 1012 | 955.1 | 889.8 |
| 82.5 | 294.9 | 235.4 | 270.9 | 332.9 | 442.4 | 476.3 | 433.2 | 379.4 | 272.7 | 119.6 |
| 85.0 | 71.39 | 94.54 | 98.59 | 129.1 | 129.3 | 94.33 | 0 | 0 | 0 | 0 |
| 87.5 | 18.20 | 44.72 | 41.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 17.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 80.0 | 85.0 | 90.0 | 95.0 |
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22301 | 22296 | 22292 | 22288 | 22286 | 22284 | 22282 | 22282 | 22283 | 22284 |
| 5.0 | 22200 | 22191 | 22184 | 22177 | 22173 | 22170 | 22168 | 22168 | 22169 | 22171 |
| 7.5 | 22083 | 22071 | 22062 | 22054 | 22049 | 22046 | 22047 | 22047 | 22050 | 22054 |
| 10.0 | 21930 | 21925 | 21921 | 21918 | 21917 | 21918 | 21920 | 21925 | 21931 | 21938 |
| 12.5 | 21742 | 21752 | 21768 | 21781 | 21790 | 21797 | 21804 | 21811 | 21818 | 21823 |
| 15.0 | 21567 | 21594 | 21622 | 21646 | 21664 | 21676 | 21687 | 21698 | 21705 | 21707 |
| 17.5 | 21392 | 21434 | 21441 | 21402 | 21374 | 21351 | 21337 | 21332 | 21338 | 21349 |
| 20.0 | 21137 | 21076 | 21031 | 20999 | 20981 | 20971 | 20962 | 20961 | 20971 | 20987 |
| 22.5 | 20682 | 20635 | 20604 | 20598 | 20601 | 20606 | 20604 | 20602 | 20609 | 20622 |
| 25.0 | 20204 | 20204 | 20219 | 20232 | 20242 | 20252 | 20249 | 20245 | 20248 | 20255 |
| 27.5 | 19781 | 19808 | 19839 | 19858 | 19860 | 19871 | 19876 | 19875 | 19882 | 19892 |
| 30.0 | 19365 | 19398 | 19402 | 19419 | 19443 | 19470 | 19497 | 19505 | 19515 | 19531 |
| 32.5 | 18888 | 18899 | 18926 | 18969 | 18899 | 18845 | 18805 | 18769 | 18762 | 18787 |
| 35.0 | 18328 | 18376 | 18298 | 18219 | 18155 | 18102 | 18060 | 18019 | 18010 | 18028 |
| 37.5 | 17708 | 17614 | 17537 | 17468 | 17390 | 17330 | 17289 | 17258 | 17253 | 17276 |
| 40.0 | 16915 | 16837 | 16729 | 16634 | 16570 | 16535 | 16508 | 16494 | 16496 | 16525 |
| 42.5 | 16120 | 15959 | 15849 | 15783 | 15767 | 15769 | 15756 | 15743 | 15743 | 15765 |
| 45.0 | 15176 | 15044 | 15000 | 15008 | 15016 | 15024 | 15010 | 14993 | 14990 | 15004 |
| 47.5 | 14197 | 14217 | 14225 | 14245 | 14187 | 14129 | 14077 | 14046 | 14037 | 14066 |
| 50.0 | 13340 | 13430 | 13345 | 13233 | 13163 | 13126 | 13103 | 13088 | 13083 | 13120 |
| 52.5 | 12456 | 12371 | 12259 | 12186 | 12159 | 12160 | 12158 | 12144 | 12134 | 12167 |
| 55.0 | 11125 | 11194 | 11226 | 11210 | 11210 | 11218 | 11219 | 11201 | 11185 | 11213 |
| 57.5 | 9913 | 10124 | 10212 | 10281 | 10237 | 10241 | 10245 | 10244 | 10231 | 10265 |
| 60.0 | 8954 | 9108 | 9111 | 9240 | 9214 | 9240 | 9264 | 9286 | 9277 | 9317 |
| 62.5 | 7929 | 7968 | 7926 | 8183 | 8168 | 8183 | 8188 | 8190 | 8171 | 8213 |
| 65.0 | 6709 | 6859 | 6848 | 7096 | 7084 | 7101 | 7097 | 7089 | 7065 | 7102 |
| 67.5 | 5635 | 5849 | 5832 | 6007 | 5978 | 5986 | 5980 | 5973 | 5956 | 5996 |
| 70.0 | 4686 | 4809 | 4737 | 4830 | 4845 | 4853 | 4859 | 4856 | 4847 | 4890 |
| 72.5 | 3646 | 3695 | 3634 | 3686 | 3736 | 3754 | 3758 | 3755 | 3739 | 3779 |
| 75.0 | 2622 | 2645 | 2614 | 2611 | 2648 | 2671 | 2661 | 2654 | 2630 | 2668 |
| 77.5 | 1693 | 1649 | 1589 | 1521 | 1485 | 1437 | 1378 | 1339 | 1315 | 1346 |
| 80.0 | 798.3 | 679.6 | 545.6 | 408.4 | 284.0 | 169.3 | 77.48 | 19.68 | 0 | 19.79 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 100.0 | 105.0 | 110.0 | 115.0 | 120.0 | 125.0 | 130.0 | 135.0 | 140.0 | 145.0 |
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22286 | 22289 | 22293 | 22297 | 22302 | 22308 | 22314 | 22321 | 22329 | 22337 |
| 5.0 | 22175 | 22179 | 22185 | 22192 | 22199 | 22209 | 22219 | 22230 | 22243 | 22258 |
| 7.5 | 22060 | 22066 | 22073 | 22081 | 22088 | 22096 | 22105 | 22115 | 22127 | 22144 |
| 10.0 | 21945 | 21952 | 21960 | 21967 | 21973 | 21978 | 21984 | 21992 | 21999 | 22008 |
| 12.5 | 21828 | 21831 | 21835 | 21838 | 21842 | 21849 | 21855 | 21853 | 21848 | 21844 |
| 15.0 | 21706 | 21702 | 21697 | 21691 | 21686 | 21681 | 21677 | 21676 | 21675 | 21661 |
| 17.5 | 21368 | 21390 | 21418 | 21452 | 21486 | 21482 | 21462 | 21450 | 21448 | 21457 |
| 20.0 | 21009 | 21034 | 21063 | 21095 | 21123 | 21151 | 21190 | 21206 | 21193 | 21191 |
| 22.5 | 20639 | 20661 | 20691 | 20726 | 20757 | 20782 | 20817 | 20861 | 20906 | 20885 |
| 25.0 | 20264 | 20279 | 20296 | 20311 | 20338 | 20384 | 20436 | 20464 | 20497 | 20541 |
| 27.5 | 19902 | 19911 | 19908 | 19903 | 19903 | 19931 | 19977 | 20045 | 20069 | 20100 |
| 30.0 | 19544 | 19552 | 19544 | 19524 | 19502 | 19468 | 19477 | 19527 | 19609 | 19631 |
| 32.5 | 18841 | 18923 | 19022 | 19155 | 19118 | 19063 | 18977 | 18977 | 19035 | 19141 |
| 35.0 | 18074 | 18140 | 18227 | 18348 | 18497 | 18654 | 18570 | 18471 | 18430 | 18518 |
| 37.5 | 17324 | 17380 | 17446 | 17523 | 17650 | 17821 | 18038 | 17998 | 17876 | 17857 |
| 40.0 | 16578 | 16635 | 16701 | 16761 | 16829 | 16935 | 17128 | 17381 | 17359 | 17213 |
| 42.5 | 15812 | 15865 | 15937 | 16005 | 16062 | 16129 | 16205 | 16428 | 16726 | 16638 |
| 45.0 | 15039 | 15075 | 15120 | 15171 | 15255 | 15349 | 15405 | 15464 | 15667 | 15968 |
| 47.5 | 14126 | 14193 | 14257 | 14319 | 14376 | 14478 | 14604 | 14592 | 14494 | 14638 |
| 50.0 | 13186 | 13248 | 13307 | 13375 | 13466 | 13556 | 13651 | 13643 | 13488 | 13451 |
| 52.5 | 12222 | 12272 | 12337 | 12422 | 12511 | 12564 | 12590 | 12442 | 12565 | 12510 |
| 55.0 | 11250 | 11272 | 11314 | 11390 | 11505 | 11534 | 11490 | 11337 | 11486 | 11639 |
| 57.5 | 10302 | 10302 | 10312 | 10349 | 10383 | 10400 | 10432 | 10350 | 10414 | 10543 |
| 60.0 | 9361 | 9353 | 9359 | 9390 | 9300 | 9228 | 9221 | 9281 | 9387 | 9210 |
| 62.5 | 8260 | 8282 | 8328 | 8427 | 8296 | 8181 | 8117 | 8083 | 8302 | 8170 |
| 65.0 | 7130 | 7149 | 7177 | 7269 | 7139 | 7157 | 7150 | 6988 | 7018 | 7108 |
| 67.5 | 6022 | 6047 | 6055 | 6118 | 5963 | 6030 | 6043 | 5991 | 5897 | 5877 |
| 70.0 | 4919 | 4960 | 4963 | 5021 | 4911 | 4943 | 4843 | 4902 | 4892 | 4841 |
| 72.5 | 3802 | 3848 | 3849 | 3913 | 3892 | 3928 | 3858 | 3863 | 3804 | 3848 |
| 75.0 | 2682 | 2728 | 2724 | 2756 | 2799 | 2873 | 2889 | 2939 | 2886 | 2792 |
| 77.5 | 1388 | 1466 | 1527 | 1594 | 1699 | 1793 | 1862 | 1950 | 2017 | 2019 |
| 80.0 | 78.06 | 172.7 | 292.3 | 427.7 | 583.7 | 739.6 | 878.1 | 987.1 | 1080 | 1186 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.0 | 307.2 | 436.5 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 | 180.0 | 185.0 | 190.0 | 195.0 |
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22346 | 22355 | 22364 | 22374 | 22384 | 22394 | 22405 | 22398 | 22391 | 22385 |
| 5.0 | 22273 | 22290 | 22308 | 22328 | 22348 | 22370 | 22392 | 22377 | 22363 | 22349 |
| 7.5 | 22165 | 22188 | 22214 | 22242 | 22273 | 22307 | 22342 | 22317 | 22294 | 22273 |
| 10.0 | 22015 | 22040 | 22070 | 22106 | 22148 | 22196 | 22247 | 22209 | 22176 | 22147 |
| 12.5 | 21843 | 21846 | 21872 | 21916 | 21968 | 22028 | 22095 | 22045 | 22001 | 21966 |
| 15.0 | 21652 | 21648 | 21652 | 21695 | 21757 | 21831 | 21915 | 21850 | 21796 | 21753 |
| 17.5 | 21444 | 21428 | 21418 | 21430 | 21501 | 21589 | 21691 | 21610 | 21545 | 21496 |
| 20.0 | 21203 | 21179 | 21149 | 21132 | 21195 | 21298 | 21421 | 21322 | 21243 | 21204 |
| 22.5 | 20883 | 20899 | 20849 | 20814 | 20845 | 20962 | 21105 | 20987 | 20896 | 20892 |
| 25.0 | 20526 | 20536 | 20521 | 20457 | 20437 | 20570 | 20738 | 20596 | 20488 | 20537 |
| 27.5 | 20127 | 20120 | 20148 | 20062 | 19998 | 20133 | 20321 | 20158 | 20050 | 20143 |
| 30.0 | 19653 | 19668 | 19644 | 19552 | 19659 | 19872 | 19684 | 19684 | 19603 | 19725 |
| 32.5 | 19147 | 19178 | 19183 | 19195 | 19072 | 19144 | 19384 | 19168 | 19122 | 19274 |
| 35.0 | 18618 | 18617 | 18632 | 18690 | 18552 | 18582 | 18856 | 18603 | 18600 | 18766 |
| 37.5 | 17991 | 18031 | 18029 | 18069 | 17921 | 17812 | 18215 | 17815 | 17943 | 18125 |
| 40.0 | 17253 | 17378 | 17184 | 17110 | 16970 | 16749 | 17192 | 16762 | 16981 | 17122 |
| 42.5 | 16291 | 16384 | 16193 | 16103 | 16128 | 15929 | 16316 | 15942 | 16158 | 16147 |
| 45.0 | 15389 | 15303 | 15403 | 15328 | 15453 | 15166 | 15580 | 15176 | 15478 | 15365 |
| 47.5 | 14657 | 14400 | 14646 | 14568 | 14683 | 14407 | 14816 | 14410 | 14699 | 14594 |
| 50.0 | 13847 | 13688 | 13719 | 13775 | 13820 | 13594 | 13984 | 13583 | 13819 | 13779 |
| 52.5 | 12708 | 12978 | 12677 | 12896 | 12767 | 12520 | 12984 | 12486 | 12698 | 12853 |
| 55.0 | 11515 | 11993 | 11579 | 11828 | 11538 | 11480 | 11803 | 11462 | 11503 | 11753 |
| 57.5 | 10537 | 10527 | 10683 | 10598 | 10531 | 10567 | 10818 | 10543 | 10486 | 10542 |
| 60.0 | 9492 | 9355 | 9763 | 9432 | 9590 | 9629 | 9835 | 9575 | 9504 | 9317 |
| 62.5 | 8253 | 8420 | 8429 | 8367 | 8507 | 8519 | 8623 | 8462 | 8394 | 8238 |
| 65.0 | 7165 | 7227 | 7180 | 7466 | 7459 | 7459 | 7506 | 7386 | 7339 | 7337 |
| 67.5 | 6115 | 6030 | 6241 | 6251 | 6122 | 6161 | 6315 | 6074 | 5983 | 6075 |
| 70.0 | 4799 | 5059 | 4969 | 4824 | 4819 | 4944 | 5195 | 4842 | 4662 | 4673 |
| 72.5 | 3767 | 3816 | 3893 | 3983 | 3985 | 3765 | 4041 | 3650 | 3847 | 3839 |
| 75.0 | 2824 | 2776 | 2868 | 2667 | 2702 | 2870 | 2991 | 2784 | 2692 | 2641 |
| 77.5 | 1938 | 1920 | 1813 | 1847 | 1661 | 1815 | 2050 | 1889 | 1821 | 1890 |

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 80.0 | 1264 | 1213 | 1081 | 872.8 | 749.4 | 754.6 | 1271 | 998.4 | 987.2 | 992.5 |
| 82.5 | 510.7 | 614.2 | 584.4 | 423.4 | 362.0 | 281.7 | 642.1 | 448.8 | 484.1 | 487.8 |
| 85.0 | 0 | 112.8 | 144.0 | 180.7 | 119.4 | 87.07 | 174.9 | 116.8 | 133.5 | 184.5 |
| 87.5 | 0 | 0 | 0 | 0 | 33.04 | 41.89 | 34.90 | 26.61 | 15.02 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.89 | 0 | 0 | 0 |
| G/C | 200.0 | 205.0 | 210.0 | 215.0 | 220.0 | 225.0 | 230.0 | 235.0 | 240.0 | 245.0 |
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22378 | 22372 | 22366 | 22361 | 22356 | 22351 | 22346 | 22342 | 22338 | 22335 |
| 5.0 | 22336 | 22324 | 22314 | 22305 | 22296 | 22288 | 22282 | 22277 | 22271 | 22267 |
| 7.5 | 22255 | 22239 | 22225 | 22214 | 22205 | 22201 | 22199 | 22197 | 22196 | 22193 |
| 10.0 | 22124 | 22107 | 22094 | 22099 | 22102 | 22106 | 22109 | 22112 | 22115 | 22116 |
| 12.5 | 21938 | 21928 | 21940 | 21957 | 21975 | 21994 | 22009 | 22015 | 22019 | 22024 |
| 15.0 | 21729 | 21744 | 21766 | 21794 | 21826 | 21842 | 21858 | 21876 | 21894 | 21911 |
| 17.5 | 21505 | 21538 | 21576 | 21609 | 21619 | 21640 | 21669 | 21706 | 21723 | 21700 |
| 20.0 | 21246 | 21301 | 21349 | 21360 | 21384 | 21419 | 21420 | 21395 | 21379 | 21363 |
| 22.5 | 20955 | 21032 | 21041 | 21068 | 21114 | 21087 | 21061 | 21042 | 21033 | 21013 |
| 25.0 | 20631 | 20675 | 20693 | 20738 | 20713 | 20700 | 20692 | 20658 | 20629 | 20616 |
| 27.5 | 20260 | 20261 | 20298 | 20298 | 20293 | 20290 | 20241 | 20214 | 20206 | 20215 |
| 30.0 | 19797 | 19807 | 19822 | 19828 | 19833 | 19774 | 19748 | 19760 | 19819 | 19865 |
| 32.5 | 19290 | 19314 | 19312 | 19336 | 19255 | 19221 | 19279 | 19368 | 19450 | 19515 |
| 35.0 | 18734 | 18747 | 18779 | 18706 | 18644 | 18717 | 18851 | 18972 | 18832 | 18700 |
| 37.5 | 18117 | 18152 | 18144 | 18036 | 18088 | 18247 | 18320 | 18129 | 17980 | 17868 |
| 40.0 | 17202 | 17453 | 17357 | 17384 | 17571 | 17629 | 17397 | 17231 | 17154 | 17107 |
| 42.5 | 16236 | 16431 | 16342 | 16769 | 16930 | 16655 | 16464 | 16419 | 16384 | 16352 |
| 45.0 | 15461 | 15371 | 15461 | 16020 | 15832 | 15646 | 15659 | 15636 | 15572 | 15519 |
| 47.5 | 14689 | 14461 | 14752 | 14711 | 14580 | 14738 | 14852 | 14755 | 14688 | 14661 |
| 50.0 | 13743 | 13730 | 13928 | 13547 | 13579 | 13767 | 13844 | 13826 | 13750 | 13657 |
| 52.5 | 12619 | 13004 | 12732 | 12588 | 12672 | 12591 | 12679 | 12781 | 12730 | 12646 |
| 55.0 | 11518 | 11951 | 11510 | 11691 | 11580 | 11470 | 11550 | 11700 | 11638 | 11551 |
| 57.5 | 10629 | 10448 | 10511 | 10492 | 10475 | 10416 | 10464 | 10502 | 10418 | 10449 |
| 60.0 | 9690 | 9262 | 9421 | 9158 | 9398 | 9307 | 9223 | 9245 | 9272 | 9430 |
| 62.5 | 8290 | 8292 | 8154 | 8104 | 8248 | 8068 | 8028 | 8149 | 8198 | 8409 |
| 65.0 | 7012 | 7100 | 7004 | 7019 | 6865 | 6927 | 6990 | 7088 | 7015 | 7164 |
| 67.5 | 6063 | 5866 | 5944 | 5736 | 5743 | 5893 | 5839 | 5893 | 5811 | 5921 |
| 70.0 | 4810 | 4873 | 4636 | 4664 | 4731 | 4761 | 4659 | 4752 | 4698 | 4762 |
| 72.5 | 3706 | 3625 | 3587 | 3651 | 3643 | 3668 | 3643 | 3685 | 3612 | 3598 |
| 75.0 | 2725 | 2599 | 2643 | 2627 | 2702 | 2716 | 2634 | 2577 | 2461 | 2390 |
| 77.5 | 1738 | 1769 | 1787 | 1851 | 1817 | 1706 | 1568 | 1444 | 1369 | 1304 |
| 80.0 | 1054 | 1092 | 1124 | 1024 | 867.9 | 783.5 | 695.5 | 591.1 | 471.2 | 350.6 |
| 82.5 | 559.3 | 520.5 | 399.6 | 343.4 | 242.3 | 105.2 | 0 | 0 | 0 | 0 |
| 85.0 | 113.2 | 86.82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 250.0 | 255.0 | 260.0 | 265.0 | 270.0 | 275.0 | 280.0 | 285.0 | 290.0 | 295.0 |
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22332 | 22329 | 22327 | 22325 | 22324 | 22324 | 22323 | 22324 | 22325 | 22326 |
| 5.0 | 22263 | 22259 | 22257 | 22254 | 22252 | 22251 | 22250 | 22250 | 22251 | 22253 |
| 7.5 | 22190 | 22187 | 22183 | 22178 | 22175 | 22171 | 22169 | 22167 | 22167 | 22168 |
| 10.0 | 22116 | 22113 | 22109 | 22104 | 22098 | 22091 | 22085 | 22079 | 22074 | 22070 |
| 12.5 | 22028 | 22031 | 22032 | 22031 | 22026 | 22019 | 22010 | 21999 | 21986 | 21970 |
| 15.0 | 21927 | 21941 | 21951 | 21956 | 21955 | 21946 | 21934 | 21919 | 21900 | 21874 |
| 17.5 | 21675 | 21655 | 21638 | 21622 | 21611 | 21605 | 21609 | 21620 | 21639 | 21661 |
| 20.0 | 21342 | 21322 | 21303 | 21284 | 21268 | 21257 | 21256 | 21262 | 21267 | 21278 |
| 22.5 | 20990 | 20970 | 20955 | 20943 | 20931 | 20922 | 20921 | 20920 | 20910 | 20897 |
| 25.0 | 20612 | 20607 | 20602 | 20600 | 20594 | 20587 | 20589 | 20589 | 20573 | 20552 |
| 27.5 | 20244 | 20262 | 20264 | 20261 | 20251 | 20240 | 20239 | 20231 | 20212 | 20200 |
| 30.0 | 19902 | 19926 | 19930 | 19924 | 19907 | 19893 | 19884 | 19853 | 19816 | 19782 |
| 32.5 | 19392 | 19304 | 19231 | 19184 | 19158 | 19160 | 19197 | 19235 | 19286 | 19349 |
| 35.0 | 18597 | 18519 | 18465 | 18427 | 18409 | 18412 | 18454 | 18492 | 18542 | 18595 |
| 37.5 | 17816 | 17760 | 17718 | 17679 | 17654 | 17651 | 17684 | 17721 | 17773 | 17843 |
| 40.0 | 17073 | 17018 | 16975 | 16932 | 16898 | 16889 | 16902 | 16926 | 16949 | 17002 |
| 42.5 | 16310 | 16246 | 16213 | 16173 | 16149 | 16140 | 16151 | 16160 | 16142 | 16143 |
| 45.0 | 15484 | 15457 | 15443 | 15412 | 15400 | 15392 | 15408 | 15416 | 15389 | 15367 |
| 47.5 | 14596 | 14532 | 14464 | 14398 | 14366 | 14367 | 14405 | 14469 | 14539 | 14603 |
| 50.0 | 13582 | 13514 | 13446 | 13372 | 13332 | 13329 | 13348 | 13381 | 13436 | 13526 |
| 52.5 | 12548 | 12469 | 12402 | 12337 | 12307 | 12304 | 12322 | 12332 | 12351 | 12396 |
| 55.0 | 11462 | 11404 | 11349 | 11303 | 11282 | 11279 | 11304 | 11311 | 11326 | 11358 |
| 57.5 | 10397 | 10361 | 10324 | 10273 | 10246 | 10241 | 10247 | 10261 | 10275 | 10338 |
| 60.0 | 9379 | 9345 | 9302 | 9243 | 9210 | 9200 | 9179 | 9189 | 9176 | 9225 |
| 62.5 | 8282 | 8205 | 8143 | 8081 | 8047 | 8047 | 8046 | 8070 | 8064 | 8099 |
| 65.0 | 7064 | 7004 | 6961 | 6913 | 6884 | 6891 | 6904 | 6934 | 6931 | 6963 |
| 67.5 | 5877 | 5835 | 5791 | 5743 | 5710 | 5720 | 5732 | 5766 | 5776 | 5829 |
| 70.0 | 4716 | 4679 | 4625 | 4573 | 4537 | 4548 | 4557 | 4581 | 4592 | 4613 |

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72.5 | 3537 | 3495 | 3447 | 3402 | 3371 | 3390 | 3403 | 3427 | 3434 | 3427 |
| 75.0 | 2344 | 2299 | 2267 | 2230 | 2205 | 2232 | 2252 | 2288 | 2298 | 2307 |
| 77.5 | 1261 | 1206 | 1162 | 1122 | 1102 | 1124 | 1156 | 1207 | 1245 | 1277 |
| 80.0 | 241.0 | 141.9 | 65.36 | 16.49 | 0 | 16.51 | 65.00 | 142.1 | 237.9 | 343.2 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 300.0 | 305.0 | 310.0 | 315.0 | 320.0 | 325.0 | 330.0 | 335.0 | 340.0 | 345.0 |
| 0.0 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 | 22397 |
| 2.5 | 22328 | 22330 | 22333 | 22336 | 22340 | 22345 | 22349 | 22354 | 22359 | 22365 |
| 5.0 | 22256 | 22260 | 22264 | 22269 | 22275 | 22282 | 22289 | 22297 | 22306 | 22315 |
| 7.5 | 22170 | 22174 | 22180 | 22186 | 22193 | 22197 | 22200 | 22205 | 22212 | 22218 |
| 10.0 | 22066 | 22062 | 22059 | 22058 | 22059 | 22065 | 22074 | 22072 | 22071 | 22075 |
| 12.5 | 21949 | 21923 | 21902 | 21890 | 21883 | 21889 | 21902 | 21902 | 21903 | 21901 |
| 15.0 | 21839 | 21799 | 21758 | 21714 | 21678 | 21668 | 21667 | 21675 | 21697 | 21690 |
| 17.5 | 21692 | 21672 | 21614 | 21552 | 21488 | 21422 | 21401 | 21403 | 21421 | 21442 |
| 20.0 | 21301 | 21336 | 21387 | 21378 | 21286 | 21195 | 21110 | 21092 | 21108 | 21145 |
| 22.5 | 20893 | 20914 | 20949 | 21003 | 21070 | 20954 | 20844 | 20743 | 20752 | 20787 |
| 25.0 | 20529 | 20501 | 20483 | 20526 | 20598 | 20699 | 20551 | 20407 | 20338 | 20372 |
| 27.5 | 20170 | 20121 | 20073 | 20033 | 20076 | 20166 | 20232 | 20051 | 19886 | 19911 |
| 30.0 | 19748 | 19725 | 19671 | 19600 | 19532 | 19586 | 19710 | 19671 | 19466 | 19405 |
| 32.5 | 19284 | 19237 | 19206 | 19155 | 19057 | 18970 | 19078 | 19254 | 19016 | 18858 |
| 35.0 | 18661 | 18726 | 18654 | 18618 | 18569 | 18446 | 18403 | 18572 | 18545 | 18288 |
| 37.5 | 17897 | 17962 | 18039 | 18006 | 17976 | 17911 | 17775 | 17825 | 18038 | 17625 |
| 40.0 | 17087 | 17178 | 17238 | 17311 | 17307 | 17310 | 17143 | 16860 | 17071 | 16654 |
| 42.5 | 16201 | 16290 | 16430 | 16489 | 16574 | 16490 | 16340 | 15856 | 15892 | 15880 |
| 45.0 | 15341 | 15359 | 15470 | 15625 | 15631 | 15375 | 15291 | 15089 | 14983 | 15250 |
| 47.5 | 14561 | 14518 | 14483 | 14473 | 14631 | 14360 | 14367 | 14408 | 14124 | 14436 |
| 50.0 | 13649 | 13719 | 13617 | 13289 | 13347 | 13459 | 13473 | 13507 | 13355 | 13415 |
| 52.5 | 12484 | 12615 | 12721 | 12330 | 12186 | 12407 | 12512 | 12542 | 12500 | 12225 |
| 55.0 | 11348 | 11383 | 11323 | 11398 | 11318 | 11219 | 11436 | 11329 | 11368 | 10951 |
| 57.5 | 10288 | 10249 | 10045 | 10148 | 10425 | 10117 | 10153 | 10234 | 10198 | 10094 |
| 60.0 | 9122 | 9171 | 9027 | 8946 | 9120 | 9104 | 8893 | 9114 | 9107 | 9211 |
| 62.5 | 7888 | 7968 | 7936 | 7901 | 7786 | 7820 | 7988 | 7774 | 8054 | 8037 |
| 65.0 | 6766 | 6802 | 6661 | 6757 | 6717 | 6611 | 6787 | 6722 | 6855 | 6782 |
| 67.5 | 5702 | 5749 | 5557 | 5541 | 5533 | 5625 | 5437 | 5766 | 5487 | 5615 |
| 70.0 | 4569 | 4666 | 4575 | 4550 | 4382 | 4419 | 4487 | 4393 | 4558 | 4643 |
| 72.5 | 3425 | 3513 | 3508 | 3577 | 3517 | 3329 | 3343 | 3413 | 3449 | 3294 |
| 75.0 | 2357 | 2420 | 2452 | 2503 | 2575 | 2573 | 2387 | 2396 | 2412 | 2513 |
| 77.5 | 1335 | 1385 | 1483 | 1561 | 1631 | 1678 | 1711 | 1564 | 1587 | 1512 |
| 80.0 | 458.5 | 567.6 | 667.3 | 739.3 | 805.9 | 901.5 | 949.2 | 990.8 | 895.0 | 938.5 |
| 82.5 | 0 | 0 | 0 | 99.40 | 225.8 | 312.9 | 361.9 | 435.3 | 451.5 | 408.1 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.97 | 113.2 | 137.7 |
| 87.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G/C | 350.0 | 355.0 | | | | | | | | |
| 0.0 | 22397 | 22397 | | | | | | | | |
| 2.5 | 22371 | 22377 | | | | | | | | |
| 5.0 | 22326 | 22338 | | | | | | | | |
| 7.5 | 22228 | 22240 | | | | | | | | |
| 10.0 | 22083 | 22096 | | | | | | | | |
| 12.5 | 21903 | 21913 | | | | | | | | |
| 15.0 | 21685 | 21689 | | | | | | | | |
| 17.5 | 21425 | 21423 | | | | | | | | |
| 20.0 | 21135 | 21124 | | | | | | | | |
| 22.5 | 20801 | 20770 | | | | | | | | |
| 25.0 | 20418 | 20371 | | | | | | | | |
| 27.5 | 19989 | 19934 | | | | | | | | |
| 30.0 | 19489 | 19461 | | | | | | | | |
| 32.5 | 18952 | 18957 | | | | | | | | |
| 35.0 | 18362 | 18407 | | | | | | | | |
| 37.5 | 17539 | 17632 | | | | | | | | |
| 40.0 | 16447 | 16582 | | | | | | | | |
| 42.5 | 15624 | 15814 | | | | | | | | |
| 45.0 | 14842 | 15101 | | | | | | | | |
| 47.5 | 14073 | 14270 | | | | | | | | |
| 50.0 | 13293 | 13375 | | | | | | | | |
| 52.5 | 12222 | 12160 | | | | | | | | |
| 55.0 | 11255 | 11063 | | | | | | | | |
| 57.5 | 10391 | 10044 | | | | | | | | |
| 60.0 | 9169 | 8852 | | | | | | | | |
| 62.5 | 7805 | 7656 | | | | | | | | |

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-11-12

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411

Humidity:65%

Test Distance:6.908m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | |
|------|-------|-------|
| 65.0 | 6582 | 6533 |
| 67.5 | 5586 | 5491 |
| 70.0 | 4628 | 4543 |
| 72.5 | 3344 | 3578 |
| 75.0 | 2435 | 2349 |
| 77.5 | 1530 | 1462 |
| 80.0 | 940.0 | 894.7 |
| 82.5 | 379.9 | 378.5 |
| 85.0 | 109.6 | 127.2 |
| 87.5 | 24.72 | 28.91 |
| 90.0 | 0 | 0 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-11-12

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.908m [K=1.0000]
Remarks: