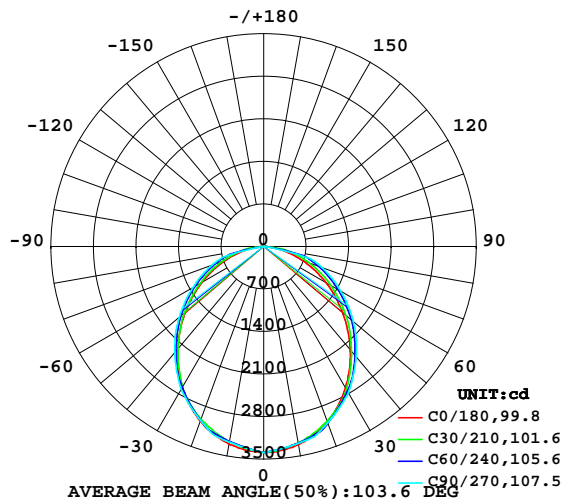


LUMINAIRE PHOTOMETRIC TEST REPORT

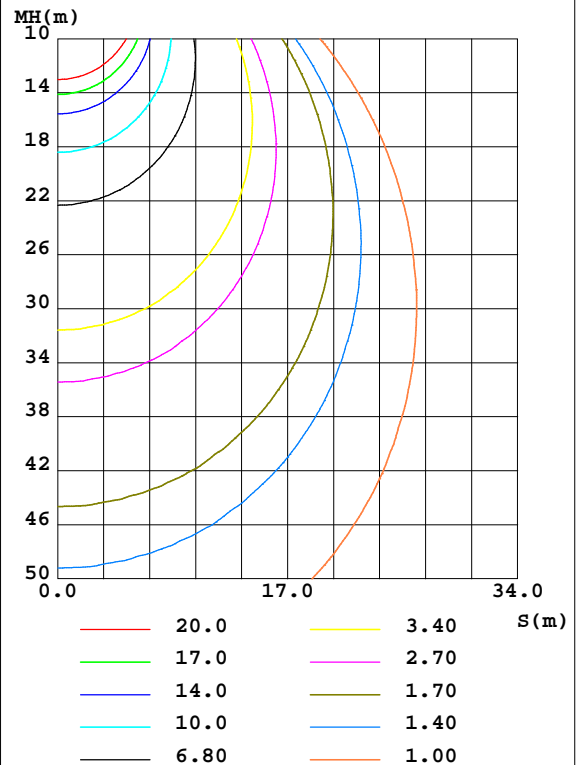
| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 146.66 lm/W | | | |
|------------------|-----------|-----------------------------------|--------|------------------------|----------|
| MODEL | GHLV-10-U | Imax(cd) | 3391 | S/MH(C0/180) | 1.18 |
| NOMINAL POWER(W) | 60 | LOR(%) | 100.0 | S/MH(C90/270) | 1.20 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 8755.3 | η UP,DN(C0-180) | 0.0,50.9 |
| NOMINAL FLUX(lm) | 8755.26 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,49.1 |
| 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:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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 | 3313 | 3278 | 3289 | 3274 | 3305 | 3255 | 3270 | 3262 | 0- 10 | 316.9 | 316.9 | 3.62,3.62 |
| 20 | 3067 | 3097 | 3088 | 3083 | 3057 | 3047 | 3045 | 3066 | 10- 20 | 898.4 | 1215 | 13.9,13.9 |
| 30 | 2693 | 2723 | 2787 | 2709 | 2676 | 2660 | 2718 | 2678 | 20- 30 | 1331 | 2546 | 29.1,29.1 |
| 40 | 2217 | 2305 | 2368 | 2293 | 2199 | 2232 | 2276 | 2252 | 30- 40 | 1557 | 4103 | 46.9,46.9 |
| 50 | 1698 | 1824 | 1926 | 1807 | 1683 | 1738 | 1816 | 1753 | 40- 50 | 1560 | 5663 | 64.7,64.7 |
| 60 | 1177 | 1346 | 1461 | 1333 | 1165 | 1254 | 1340 | 1267 | 50- 60 | 1372 | 7035 | 80.4,80.4 |
| 70 | 682.2 | 889.5 | 1023 | 877.3 | 670.9 | 797.6 | 911.8 | 812.2 | 60- 70 | 1048 | 8083 | 92.3,92.3 |
| 80 | 233.3 | 403.6 | 0 | 395.5 | 231.8 | 339.7 | 0 | 346.7 | 70- 80 | 612.3 | 8696 | 99.3,99.3 |
| 90 | 6.584 | 0 | 0 | 0 | 6.472 | 0 | 0 | 0 | 80- 90 | 59.74 | 8755 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 4895 lm

%lum = 55.9%

%lamp = 55.9%

Conical surface Flux(120deg): 7035.1 lm

%lum = 80.4%

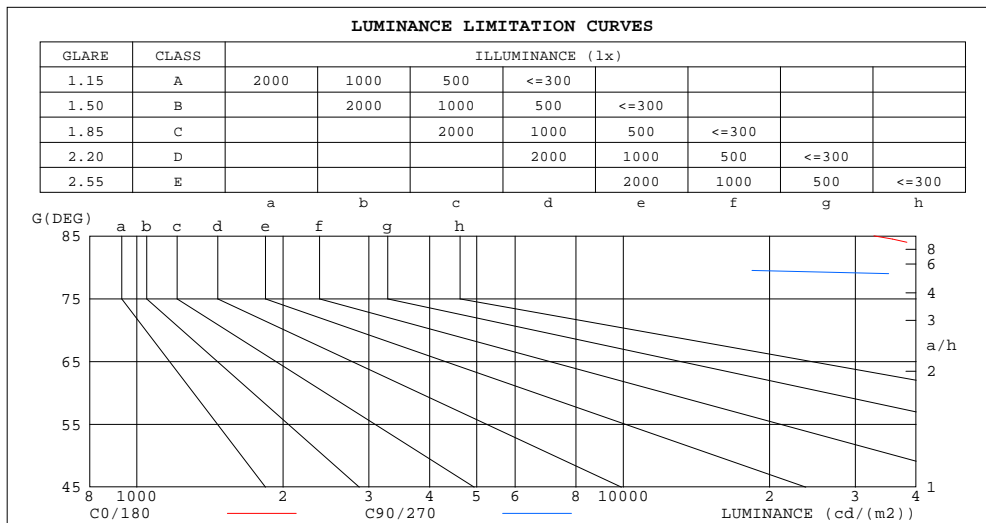
%lamp = 80.4%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | 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 | 32752 | 0 |
| 80 | 55991 | 0 |
| 75 | 71718 | 129578 |
| 70 | 83111 | 124682 |
| 65 | 91249 | 122451 |
| 60 | 98054 | 121713 |
| 55 | 104310 | 123018 |
| 50 | 110060 | 124868 |
| 45 | 115308 | 127233 |

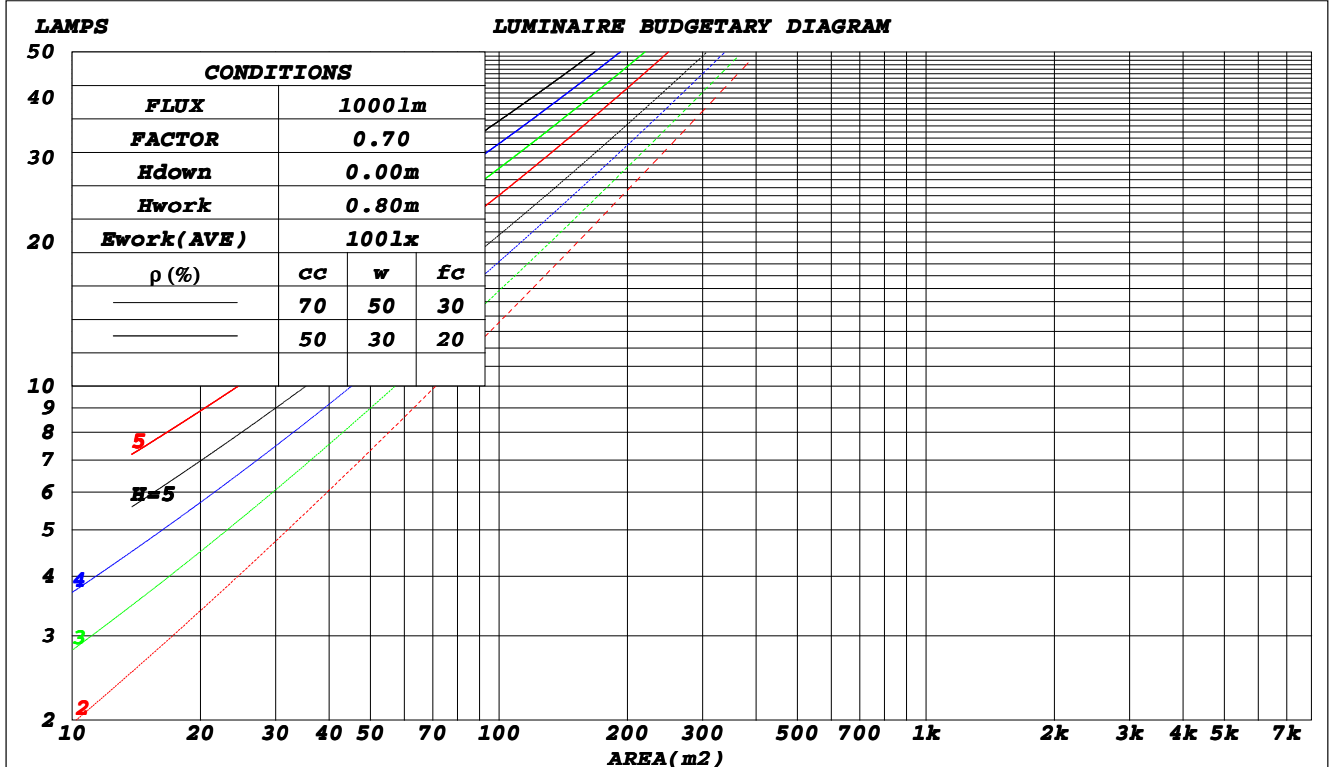
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | 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 | 1.05 | 1.01 | .97 | 1.02 | .99 | .95 | .98 | .95 | .92 | .94 | .92 | .89 | .91 | .89 | .87 | .85 |
| 2.0 | .91 | .85 | .79 | .90 | .83 | .78 | .86 | .81 | .76 | .83 | .78 | .75 | .80 | .76 | .73 | .71 |
| 3.0 | .80 | .72 | .66 | .79 | .71 | .65 | .76 | .70 | .64 | .73 | .68 | .63 | .71 | .66 | .62 | .60 |
| 4.0 | .71 | .63 | .56 | .70 | .62 | .56 | .68 | .61 | .55 | .65 | .59 | .54 | .63 | .58 | .53 | .51 |
| 5.0 | .64 | .55 | .48 | .63 | .54 | .48 | .61 | .53 | .48 | .59 | .52 | .47 | .57 | .51 | .47 | .45 |
| 6.0 | .58 | .49 | .42 | .57 | .48 | .42 | .55 | .47 | .42 | .53 | .47 | .41 | .52 | .46 | .41 | .39 |
| 7.0 | .52 | .44 | .38 | .51 | .43 | .37 | .50 | .43 | .37 | .49 | .42 | .37 | .47 | .41 | .37 | .35 |
| 8.0 | .48 | .39 | .34 | .47 | .39 | .33 | .46 | .38 | .33 | .45 | .38 | .33 | .43 | .37 | .33 | .31 |
| 9.0 | .44 | .36 | .30 | .43 | .36 | .30 | .42 | .35 | .30 | .41 | .35 | .30 | .40 | .34 | .30 | .28 |
| 10.0 | .41 | .33 | .27 | .40 | .33 | .27 | .39 | .32 | .27 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | |
|--|--|--|------------------|--|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | | | | |
| NAME: LED Linear Explosion-proof Light | | | TYPE:Flood Light | | WEIGHT:N/A |
| SPEC.:60W/5000K | | | DIM.: 1450*10mm | | 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 | .295 | .168 | .053 | .288 | .164 | .052 | .274 | .157 | .050 | .262 | .151 | .049 | .251 | .146 | .047 | | |
| 2.0 | .282 | .155 | .047 | .276 | .152 | .047 | .265 | .147 | .046 | .254 | .142 | .045 | .244 | .138 | .044 | | |
| 3.0 | .263 | .140 | .042 | .258 | .138 | .042 | .247 | .134 | .041 | .238 | .130 | .040 | .229 | .127 | .039 | | |
| 4.0 | .244 | .127 | .037 | .239 | .125 | .037 | .230 | .122 | .036 | .221 | .119 | .036 | .214 | .116 | .035 | | |
| 5.0 | .226 | .115 | .033 | .222 | .114 | .033 | .214 | .111 | .033 | .206 | .109 | .032 | .199 | .106 | .032 | | |
| 6.0 | .210 | .105 | .030 | .206 | .104 | .030 | .199 | .102 | .030 | .192 | .100 | .029 | .186 | .098 | .029 | | |
| 7.0 | .196 | .097 | .027 | .192 | .096 | .027 | .186 | .094 | .027 | .180 | .092 | .027 | .174 | .091 | .027 | | |
| 8.0 | .183 | .089 | .025 | .180 | .089 | .025 | .174 | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .024 | | |
| 9.0 | .172 | .083 | .023 | .169 | .082 | .023 | .164 | .081 | .023 | .159 | .080 | .023 | .154 | .078 | .023 | | |
| 10.0 | .162 | .077 | .022 | .159 | .077 | .021 | .155 | .076 | .021 | .150 | .075 | .021 | .146 | .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 | .179 | .156 | .136 | .153 | .134 | .117 | .105 | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 | |
| 2.0 | .171 | .132 | .099 | .146 | .114 | .086 | .100 | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 | |
| 3.0 | .163 | .114 | .075 | .140 | .099 | .065 | .096 | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .156 | .101 | .059 | .133 | .087 | .051 | .092 | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .148 | .090 | .048 | .127 | .078 | .042 | .088 | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 6.0 | .141 | .082 | .040 | .121 | .071 | .035 | .084 | .050 | .024 | .049 | .029 | .015 | .016 | .010 | .005 | |
| 7.0 | .134 | .075 | .034 | .115 | .065 | .029 | .080 | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .128 | .069 | .029 | .110 | .060 | .025 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .122 | .064 | .025 | .105 | .056 | .022 | .073 | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .116 | .060 | .023 | .100 | .052 | .020 | .070 | .037 | .014 | .041 | .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:2024-12-02

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65%
 Test Distance:6.998m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------------|----------------|------|---------------------|------|------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | | | | | | | | | |
| NAME: LED Linear Explosion-proof Light | | | | | TYPE:Flood Light | | | WEIGHT:N/A | | |
| SPEC.:60W/5000K | | | | | DIM.: 1450*10mm | | | 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 | 21.3 | 22.8 | 21.6 | 23.0 | 23.2 | 22.3 | 23.8 | 22.5 | 24.0 | 24.2 |
| 3H | 22.6 | 24.0 | 22.9 | 24.2 | 24.5 | 24.1 | 25.5 | 24.4 | 25.7 | 25.9 |
| 4H | 23.1 | 24.4 | 23.4 | 24.7 | 24.9 | 24.9 | 26.3 | 25.3 | 26.5 | 26.8 |
| 6H | 23.4 | 24.6 | 23.7 | 24.9 | 25.1 | 25.1 | 26.3 | 25.4 | 26.6 | 26.8 |
| 8H | 23.4 | 24.6 | 23.8 | 24.9 | 25.2 | 25.0 | 26.2 | 25.4 | 26.5 | 26.8 |
| 12H | 23.4 | 24.6 | 23.8 | 24.9 | 25.2 | 25.0 | 26.1 | 25.3 | 26.4 | 26.7 |
| 4H 2H | 22.1 | 23.4 | 22.4 | 23.7 | 23.9 | 22.8 | 24.1 | 23.1 | 24.4 | 24.6 |
| 3H | 23.6 | 24.8 | 24.0 | 25.0 | 25.4 | 24.9 | 26.0 | 25.2 | 26.3 | 26.6 |
| 4H | 24.2 | 25.3 | 24.6 | 25.6 | 25.9 | 25.9 | 26.9 | 26.3 | 27.2 | 27.6 |
| 6H | 24.6 | 25.6 | 25.0 | 25.9 | 26.3 | 26.1 | 27.0 | 26.5 | 27.3 | 27.7 |
| 8H | 24.7 | 25.6 | 25.1 | 26.0 | 26.3 | 26.0 | 26.9 | 26.4 | 27.2 | 27.6 |
| 12H | 24.8 | 25.5 | 25.2 | 25.9 | 26.3 | 26.0 | 26.8 | 26.4 | 27.1 | 27.6 |
| 8H 4H | 24.7 | 25.6 | 25.1 | 25.9 | 26.3 | 26.2 | 27.0 | 26.6 | 27.4 | 27.8 |
| 6H | 25.3 | 26.1 | 25.8 | 26.5 | 26.9 | 26.4 | 27.1 | 26.8 | 27.5 | 27.9 |
| 8H | 25.5 | 26.2 | 26.0 | 26.6 | 27.0 | 26.4 | 27.0 | 26.8 | 27.4 | 27.9 |
| 12H | 25.7 | 26.2 | 26.1 | 26.6 | 27.1 | 26.3 | 26.9 | 26.8 | 27.3 | 27.8 |
| 12H 4H | 24.7 | 25.5 | 25.1 | 25.9 | 26.3 | 26.2 | 27.0 | 26.6 | 27.3 | 27.7 |
| 6H | 25.4 | 26.0 | 25.8 | 26.4 | 26.9 | 26.4 | 27.1 | 26.9 | 27.5 | 27.9 |
| 8H | 25.6 | 26.1 | 26.1 | 26.6 | 27.0 | 26.4 | 26.9 | 26.9 | 27.4 | 27.8 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | |

CIE Pub.117, 8755 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 7.5$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

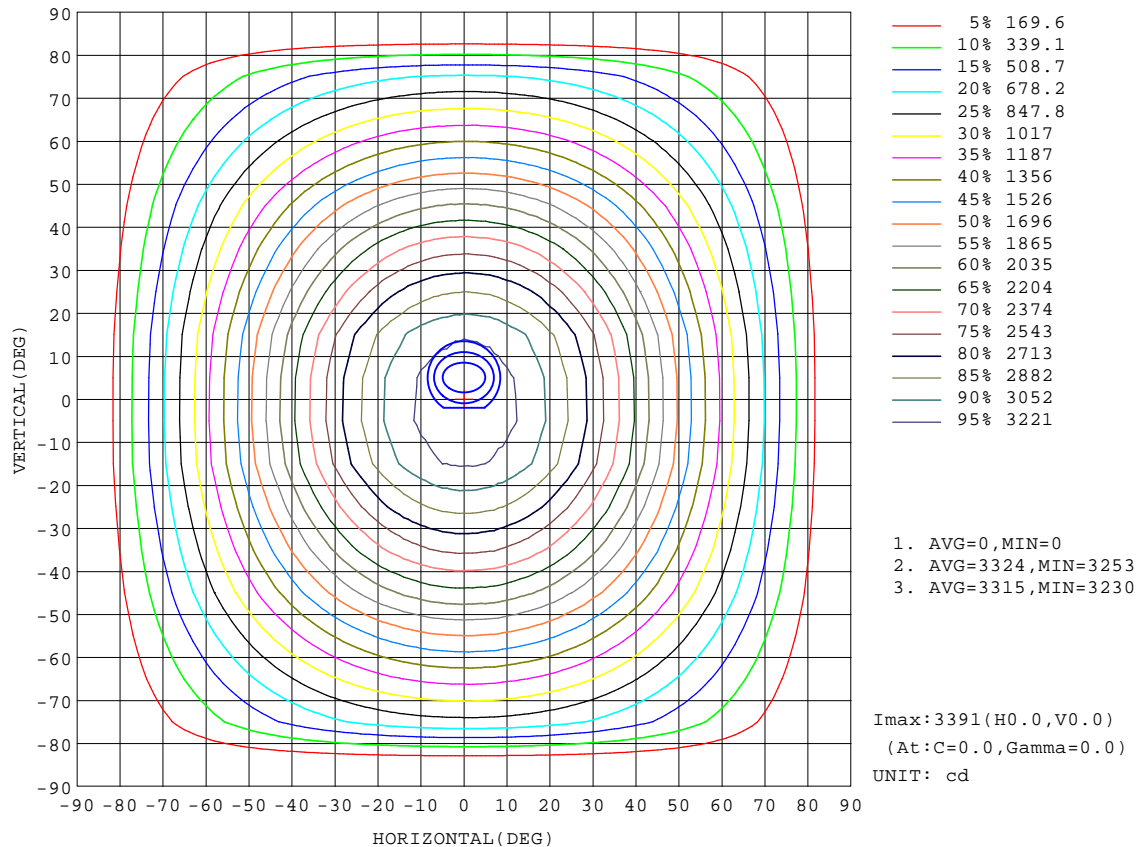
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 47 | 41 | 57 | 47 | 40 | 34 |
| 0.80 | 69 | 58 | 50 | 68 | 57 | 50 | 66 | 56 | 50 | 43 |
| 1.00 | 77 | 66 | 59 | 76 | 66 | 59 | 74 | 67 | 58 | 51 |
| 1.25 | 84 | 74 | 67 | 83 | 73 | 67 | 80 | 72 | 66 | 59 |
| 1.50 | 89 | 80 | 73 | 87 | 79 | 72 | 85 | 77 | 71 | 64 |
| 2.00 | 96 | 88 | 81 | 94 | 86 | 81 | 91 | 84 | 79 | 71 |
| 2.50 | 100 | 92 | 86 | 98 | 91 | 86 | 94 | 88 | 84 | 76 |
| 3.00 | 103 | 96 | 91 | 101 | 95 | 90 | 97 | 92 | 88 | 80 |
| 4.00 | 107 | 102 | 97 | 105 | 100 | 96 | 100 | 96 | 93 | 84 |
| 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 | | |

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



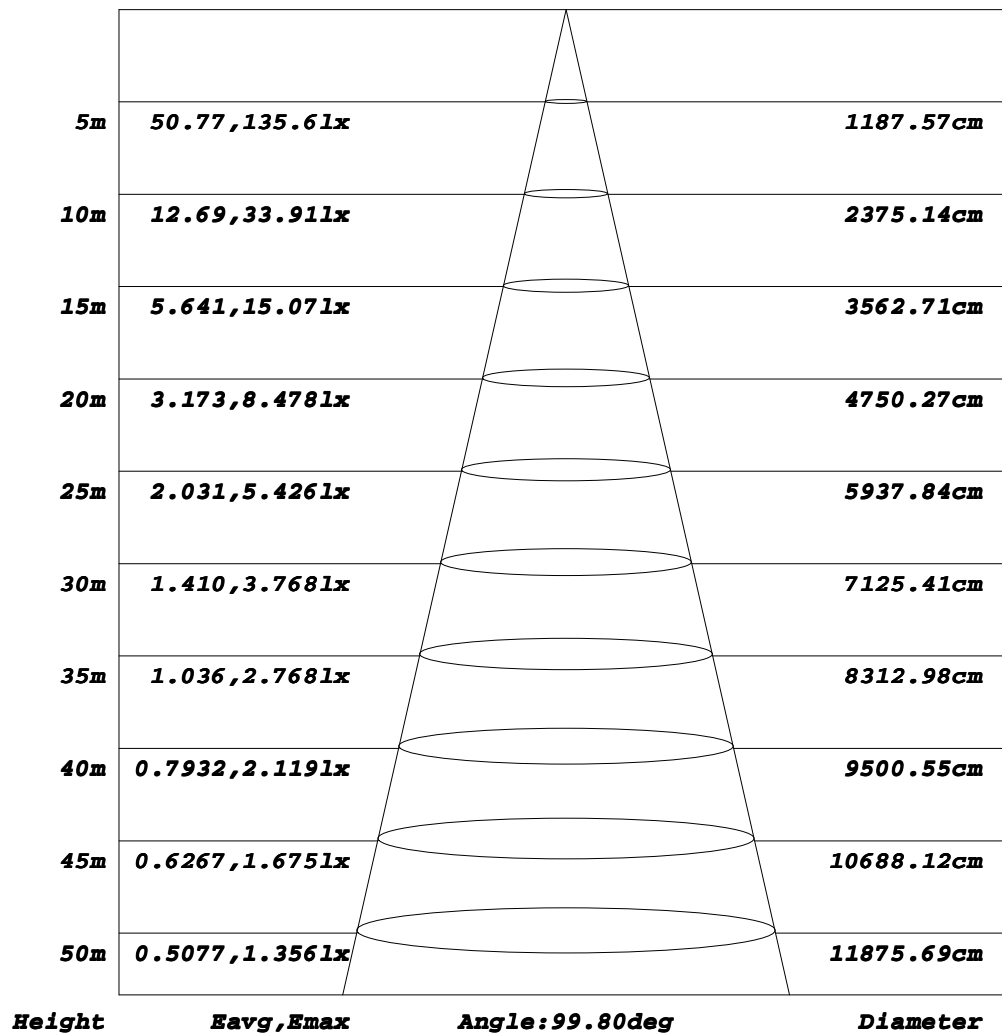
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

Flux out:5663 lm



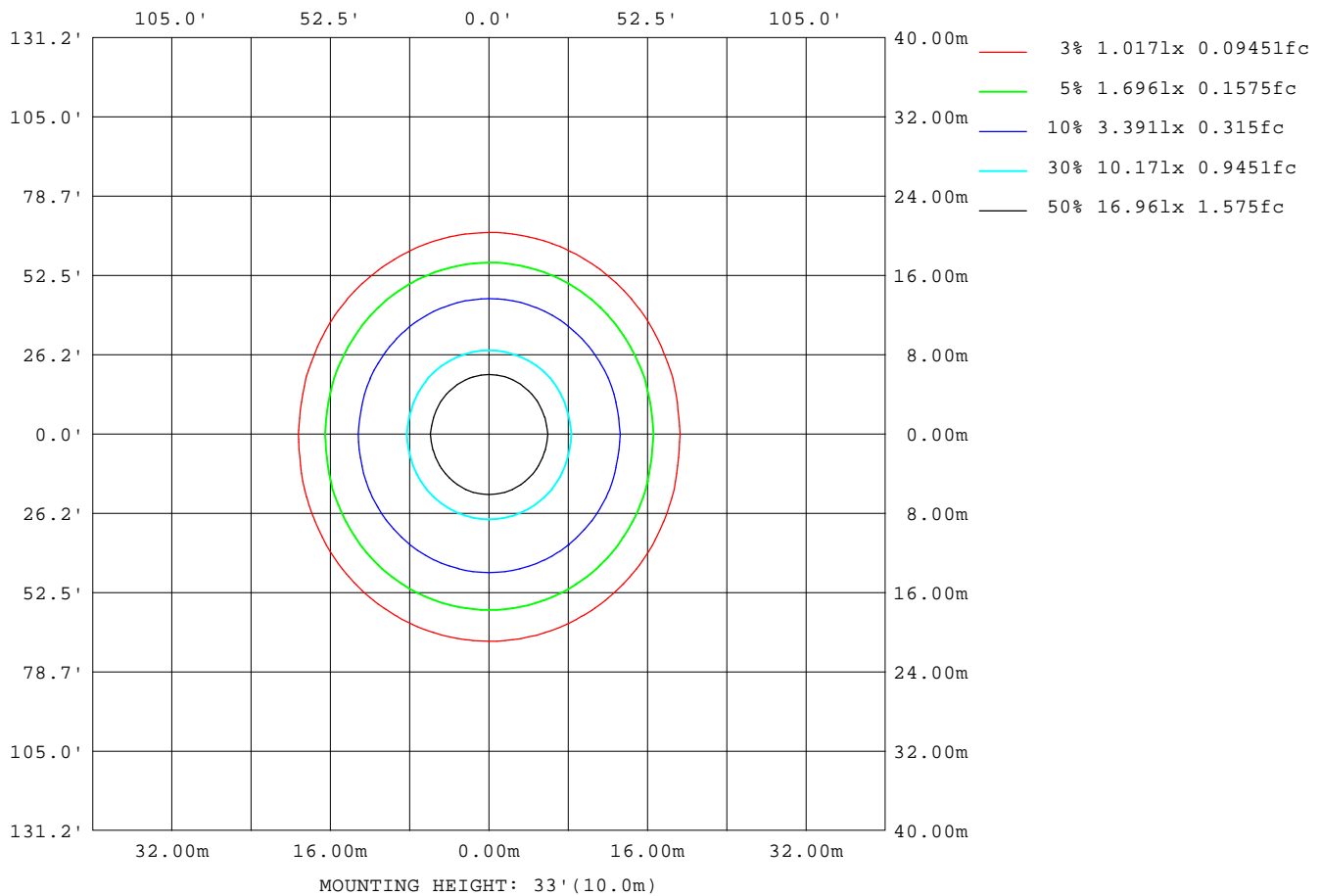
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessy
Test Date: 2024-12-02

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.998m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | 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:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|------------------|---------------------|
| Test:U:120.19V I:0.4980A P:59.697W PF:0.9974 Freq:59.98Hz Lamp Flux:8755.26x1 lm | | |
| NAME: LED Linear Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:60W/5000K | DIM.: 1450*10mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

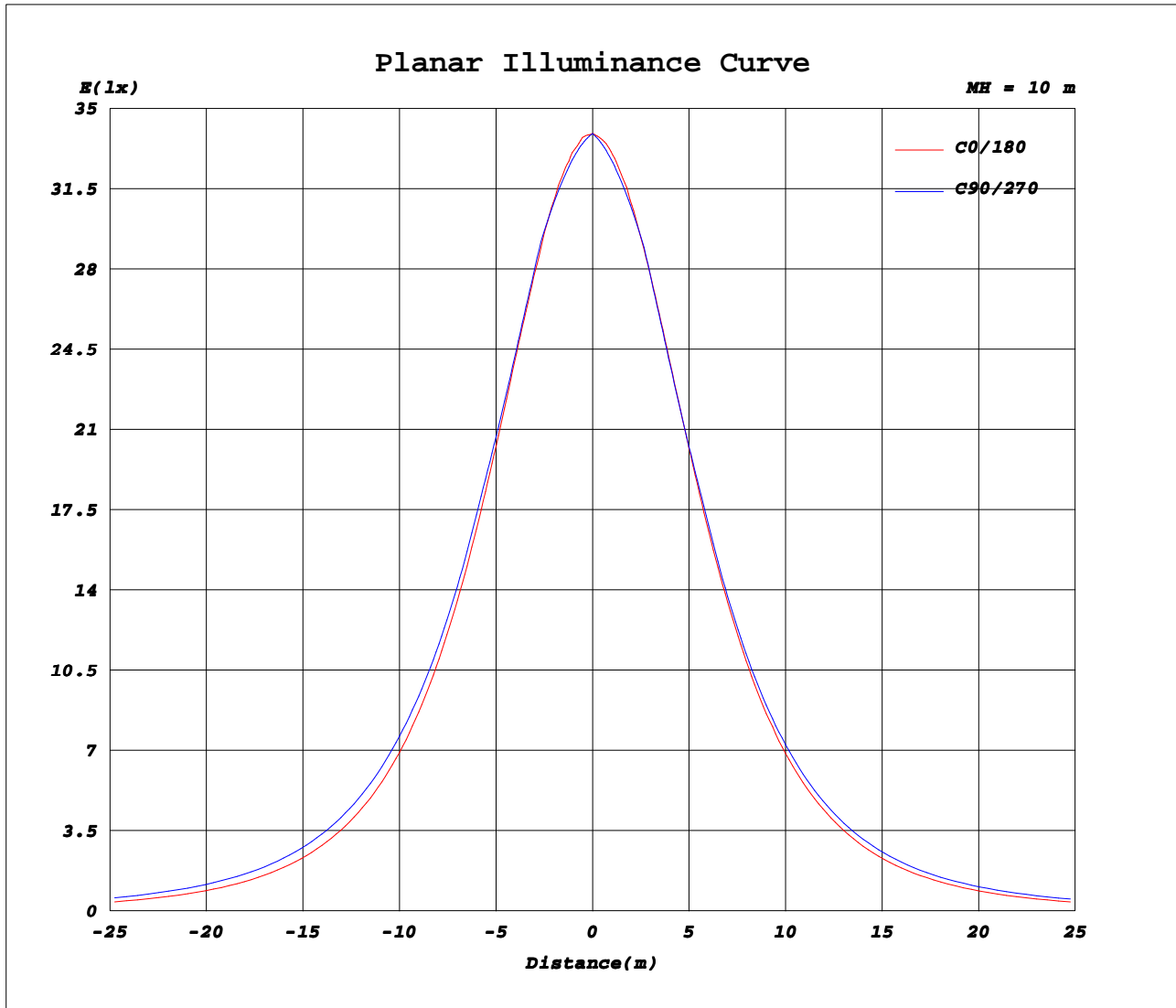
| AvgL | cd/m2 |
|----------------|--------|
| L_0~180(65)av | 90630 |
| L_0~180(75)av | 71243 |
| L_0~180(85)av | 32632 |
| L_90~270(65)av | 116719 |
| L_90~270(75)av | 120971 |
| L_90~270(85)av | 0 |
| L_45(65)av | 104944 |
| L_45(75)av | 102464 |
| L_45(85)av | 0 |

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:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3388 | 3386 | 3384 | 3382 | 3380 | 3378 | 3376 | 3374 | 3372 | 3371 |
| 5.0 | 3366 | 3362 | 3358 | 3355 | 3352 | 3349 | 3347 | 3345 | 3344 | 3345 |
| 7.5 | 3343 | 3336 | 3330 | 3325 | 3321 | 3319 | 3318 | 3318 | 3316 | 3314 |
| 10.0 | 3313 | 3305 | 3297 | 3291 | 3287 | 3283 | 3280 | 3278 | 3277 | 3278 |
| 12.5 | 3266 | 3256 | 3249 | 3244 | 3239 | 3235 | 3234 | 3237 | 3240 | 3242 |
| 15.0 | 3208 | 3198 | 3191 | 3187 | 3186 | 3183 | 3181 | 3186 | 3191 | 3197 |
| 17.5 | 3143 | 3131 | 3123 | 3119 | 3115 | 3116 | 3122 | 3132 | 3137 | 3148 |
| 20.0 | 3067 | 3053 | 3044 | 3040 | 3040 | 3045 | 3057 | 3068 | 3081 | 3097 |
| 22.5 | 2986 | 2972 | 2964 | 2961 | 2964 | 2971 | 2983 | 2999 | 3020 | 3016 |
| 25.0 | 2893 | 2878 | 2871 | 2871 | 2878 | 2890 | 2908 | 2928 | 2922 | 2920 |
| 27.5 | 2797 | 2780 | 2773 | 2775 | 2785 | 2802 | 2826 | 2824 | 2821 | 2823 |
| 30.0 | 2693 | 2676 | 2669 | 2674 | 2688 | 2710 | 2721 | 2718 | 2717 | 2723 |
| 32.5 | 2577 | 2562 | 2559 | 2566 | 2584 | 2612 | 2605 | 2606 | 2614 | 2621 |
| 35.0 | 2465 | 2447 | 2444 | 2454 | 2477 | 2489 | 2487 | 2493 | 2505 | 2523 |
| 37.5 | 2342 | 2326 | 2326 | 2337 | 2365 | 2366 | 2368 | 2379 | 2395 | 2417 |
| 40.0 | 2217 | 2201 | 2203 | 2223 | 2244 | 2238 | 2250 | 2266 | 2289 | 2305 |
| 42.5 | 2092 | 2075 | 2078 | 2099 | 2111 | 2118 | 2128 | 2156 | 2176 | 2185 |
| 45.0 | 1957 | 1944 | 1951 | 1978 | 1979 | 1990 | 2013 | 2039 | 2055 | 2062 |
| 47.5 | 1829 | 1814 | 1825 | 1852 | 1850 | 1866 | 1893 | 1912 | 1925 | 1942 |
| 50.0 | 1698 | 1684 | 1695 | 1715 | 1721 | 1744 | 1772 | 1783 | 1801 | 1824 |
| 52.5 | 1566 | 1553 | 1571 | 1581 | 1594 | 1621 | 1641 | 1659 | 1682 | 1707 |
| 55.0 | 1436 | 1425 | 1442 | 1450 | 1470 | 1497 | 1517 | 1537 | 1561 | 1589 |
| 57.5 | 1306 | 1295 | 1316 | 1322 | 1349 | 1368 | 1389 | 1415 | 1447 | 1467 |
| 60.0 | 1177 | 1168 | 1185 | 1196 | 1228 | 1244 | 1270 | 1303 | 1324 | 1346 |
| 62.5 | 1050 | 1044 | 1058 | 1074 | 1100 | 1123 | 1153 | 1176 | 1202 | 1227 |
| 65.0 | 925.5 | 920.6 | 932.4 | 960.0 | 976.9 | 1004 | 1035 | 1058 | 1082 | 1111 |
| 67.5 | 801.7 | 799.5 | 811.3 | 838.3 | 859.0 | 892.4 | 914.7 | 942.4 | 972.0 | 998.5 |
| 70.0 | 682.2 | 680.6 | 694.5 | 717.3 | 746.1 | 772.9 | 799.4 | 830.2 | 859.7 | 889.5 |
| 72.5 | 561.1 | 565.0 | 580.7 | 603.5 | 632.3 | 658.5 | 688.3 | 721.3 | 752.0 | 783.1 |
| 75.0 | 445.5 | 447.5 | 469.6 | 496.7 | 519.5 | 550.2 | 582.7 | 615.7 | 648.8 | 678.9 |
| 77.5 | 336.9 | 340.4 | 361.5 | 388.1 | 414.8 | 448.4 | 482.8 | 515.2 | 547.8 | 576.7 |
| 80.0 | 233.3 | 240.6 | 265.3 | 286.5 | 319.2 | 352.4 | 386.0 | 418.1 | 449.1 | 403.6 |
| 82.5 | 143.1 | 152.7 | 172.9 | 197.8 | 230.0 | 261.8 | 283.1 | 214.8 | 136.9 | 54.65 |
| 85.0 | 68.51 | 79.93 | 96.78 | 121.1 | 134.7 | 75.14 | 0 | 0 | 0 | 0 |
| 87.5 | 20.23 | 25.58 | 33.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 6.584 | 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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3369 | 3367 | 3366 | 3364 | 3364 | 3364 | 3364 | 3365 | 3366 | 3365 |
| 5.0 | 3346 | 3346 | 3345 | 3343 | 3341 | 3339 | 3338 | 3339 | 3340 | 3339 |
| 7.5 | 3312 | 3311 | 3313 | 3317 | 3317 | 3316 | 3313 | 3313 | 3315 | 3314 |
| 10.0 | 3281 | 3283 | 3282 | 3283 | 3288 | 3291 | 3290 | 3287 | 3289 | 3289 |
| 12.5 | 3240 | 3246 | 3253 | 3255 | 3257 | 3263 | 3266 | 3262 | 3264 | 3264 |
| 15.0 | 3206 | 3210 | 3214 | 3225 | 3229 | 3233 | 3239 | 3237 | 3238 | 3239 |
| 17.5 | 3160 | 3172 | 3176 | 3170 | 3170 | 3166 | 3167 | 3164 | 3163 | 3164 |
| 20.0 | 3098 | 3096 | 3094 | 3089 | 3092 | 3089 | 3090 | 3090 | 3088 | 3089 |
| 22.5 | 3012 | 3008 | 3010 | 3012 | 3010 | 3012 | 3013 | 3014 | 3013 | 3013 |
| 25.0 | 2921 | 2922 | 2925 | 2927 | 2930 | 2936 | 2936 | 2939 | 2937 | 2938 |
| 27.5 | 2826 | 2834 | 2839 | 2844 | 2852 | 2861 | 2859 | 2863 | 2862 | 2862 |
| 30.0 | 2733 | 2741 | 2754 | 2762 | 2768 | 2781 | 2781 | 2787 | 2787 | 2785 |
| 32.5 | 2637 | 2652 | 2666 | 2681 | 2677 | 2681 | 2681 | 2683 | 2682 | 2681 |
| 35.0 | 2537 | 2561 | 2561 | 2567 | 2570 | 2575 | 2577 | 2578 | 2578 | 2576 |
| 37.5 | 2436 | 2444 | 2451 | 2460 | 2462 | 2469 | 2472 | 2473 | 2473 | 2471 |
| 40.0 | 2317 | 2325 | 2338 | 2346 | 2354 | 2362 | 2368 | 2367 | 2368 | 2366 |
| 42.5 | 2196 | 2210 | 2225 | 2235 | 2244 | 2256 | 2264 | 2261 | 2264 | 2262 |
| 45.0 | 2077 | 2094 | 2112 | 2126 | 2135 | 2149 | 2159 | 2155 | 2159 | 2157 |
| 47.5 | 1962 | 1979 | 2001 | 2019 | 2026 | 2035 | 2044 | 2040 | 2043 | 2041 |
| 50.0 | 1843 | 1868 | 1886 | 1899 | 1908 | 1917 | 1928 | 1924 | 1926 | 1925 |
| 52.5 | 1730 | 1750 | 1763 | 1779 | 1790 | 1800 | 1811 | 1808 | 1810 | 1808 |
| 55.0 | 1610 | 1630 | 1642 | 1661 | 1673 | 1682 | 1692 | 1692 | 1693 | 1691 |
| 57.5 | 1487 | 1508 | 1526 | 1544 | 1556 | 1565 | 1574 | 1576 | 1577 | 1575 |
| 60.0 | 1367 | 1389 | 1409 | 1427 | 1440 | 1448 | 1456 | 1460 | 1461 | 1458 |
| 62.5 | 1250 | 1273 | 1294 | 1311 | 1326 | 1336 | 1345 | 1350 | 1351 | 1348 |
| 65.0 | 1136 | 1159 | 1182 | 1200 | 1216 | 1228 | 1235 | 1241 | 1242 | 1239 |
| 67.5 | 1026 | 1049 | 1072 | 1090 | 1107 | 1119 | 1126 | 1132 | 1133 | 1130 |
| 70.0 | 916.8 | 942.1 | 964.2 | 982.3 | 998.6 | 1010 | 1017 | 1023 | 1023 | 1020 |
| 72.5 | 810.1 | 835.9 | 857.7 | 875.2 | 890.2 | 901.7 | 908.6 | 913.8 | 914.2 | 911.0 |
| 75.0 | 706.3 | 730.4 | 752.1 | 768.8 | 782.6 | 793.7 | 800.0 | 804.9 | 804.9 | 801.7 |
| 77.5 | 604.1 | 626.4 | 653.9 | 682.1 | 716.6 | 752.0 | 788.6 | 825.7 | 863.4 | 901.0 |
| 80.0 | 334.4 | 265.4 | 201.2 | 143.0 | 93.33 | 53.30 | 23.87 | 6.006 | 0 | 5.980 |
| 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 - 90DEGH(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3364 | 3363 | 3363 | 3363 | 3363 | 3363 | 3363 | 3365 | 3365 | 3367 |
| 5.0 | 3338 | 3337 | 3336 | 3336 | 3337 | 3338 | 3339 | 3339 | 3341 | 3342 |
| 7.5 | 3312 | 3310 | 3311 | 3311 | 3309 | 3309 | 3310 | 3310 | 3310 | 3310 |
| 10.0 | 3286 | 3286 | 3283 | 3280 | 3282 | 3278 | 3275 | 3274 | 3271 | 3270 |
| 12.5 | 3261 | 3260 | 3253 | 3254 | 3248 | 3242 | 3236 | 3230 | 3229 | 3228 |
| 15.0 | 3237 | 3228 | 3229 | 3221 | 3211 | 3201 | 3194 | 3187 | 3180 | 3175 |
| 17.5 | 3166 | 3163 | 3167 | 3166 | 3165 | 3162 | 3149 | 3138 | 3127 | 3117 |
| 20.0 | 3087 | 3090 | 3086 | 3084 | 3085 | 3086 | 3090 | 3083 | 3069 | 3056 |
| 22.5 | 3009 | 3010 | 3006 | 3001 | 3000 | 3000 | 3000 | 3003 | 3004 | 2988 |
| 25.0 | 2934 | 2931 | 2925 | 2920 | 2916 | 2912 | 2909 | 2907 | 2910 | 2914 |
| 27.5 | 2859 | 2851 | 2843 | 2836 | 2829 | 2820 | 2815 | 2811 | 2806 | 2810 |
| 30.0 | 2784 | 2774 | 2763 | 2755 | 2742 | 2732 | 2720 | 2709 | 2703 | 2701 |
| 32.5 | 2681 | 2678 | 2671 | 2669 | 2654 | 2640 | 2623 | 2608 | 2598 | 2592 |
| 35.0 | 2573 | 2569 | 2562 | 2562 | 2556 | 2548 | 2525 | 2507 | 2489 | 2477 |
| 37.5 | 2467 | 2461 | 2455 | 2445 | 2440 | 2431 | 2420 | 2402 | 2379 | 2363 |
| 40.0 | 2362 | 2354 | 2345 | 2335 | 2327 | 2313 | 2303 | 2293 | 2271 | 2248 |
| 42.5 | 2258 | 2248 | 2238 | 2225 | 2213 | 2196 | 2182 | 2169 | 2159 | 2133 |
| 45.0 | 2153 | 2140 | 2131 | 2115 | 2101 | 2082 | 2064 | 2045 | 2029 | 2022 |
| 47.5 | 2038 | 2025 | 2018 | 2007 | 1988 | 1967 | 1947 | 1926 | 1907 | 1893 |
| 50.0 | 1921 | 1909 | 1898 | 1890 | 1874 | 1857 | 1832 | 1807 | 1785 | 1764 |
| 52.5 | 1804 | 1792 | 1780 | 1770 | 1753 | 1736 | 1718 | 1690 | 1665 | 1642 |
| 55.0 | 1687 | 1676 | 1664 | 1651 | 1633 | 1616 | 1595 | 1574 | 1547 | 1515 |
| 57.5 | 1570 | 1560 | 1549 | 1534 | 1516 | 1496 | 1475 | 1452 | 1432 | 1401 |
| 60.0 | 1454 | 1444 | 1434 | 1417 | 1399 | 1377 | 1355 | 1333 | 1306 | 1285 |
| 62.5 | 1343 | 1333 | 1319 | 1301 | 1283 | 1263 | 1238 | 1214 | 1186 | 1164 |
| 65.0 | 1234 | 1224 | 1209 | 1192 | 1171 | 1151 | 1123 | 1099 | 1072 | 1044 |
| 67.5 | 1125 | 1115 | 1101 | 1084 | 1063 | 1041 | 1013 | 986.0 | 956.9 | 928.3 |
| 70.0 | 1016 | 1006 | 992.4 | 976.0 | 955.7 | 932.3 | 906.1 | 877.3 | 847.5 | 817.0 |
| 72.5 | 906.8 | 896.8 | 884.3 | 868.5 | 848.6 | 825.5 | 800.0 | 771.1 | 742.2 | 709.5 |
| 75.0 | 797.7 | 788.8 | 776.4 | 761.9 | 742.9 | 720.6 | 695.7 | 668.0 | 638.1 | 606.0 |
| 77.5 | 423.3 | 449.2 | 483.5 | 527.0 | 576.3 | 617.1 | 593.2 | 566.6 | 537.3 | 506.1 |
| 80.0 | 23.79 | 52.99 | 92.52 | 141.7 | 198.6 | 261.5 | 328.0 | 395.5 | 439.4 | 409.1 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53.53 | 134.0 | 209.6 |
| 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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3368 | 3369 | 3371 | 3373 | 3375 | 3377 | 3379 | 3376 | 3374 | 3371 |
| 5.0 | 3345 | 3347 | 3350 | 3353 | 3357 | 3360 | 3365 | 3359 | 3354 | 3350 |
| 7.5 | 3312 | 3314 | 3318 | 3321 | 3324 | 3329 | 3335 | 3328 | 3321 | 3316 |
| 10.0 | 3270 | 3272 | 3277 | 3282 | 3289 | 3297 | 3305 | 3295 | 3285 | 3276 |
| 12.5 | 3224 | 3223 | 3226 | 3231 | 3236 | 3243 | 3252 | 3241 | 3231 | 3224 |
| 15.0 | 3170 | 3167 | 3168 | 3172 | 3179 | 3188 | 3200 | 3185 | 3172 | 3162 |
| 17.5 | 3111 | 3107 | 3105 | 3106 | 3112 | 3121 | 3134 | 3118 | 3106 | 3097 |
| 20.0 | 3043 | 3037 | 3031 | 3029 | 3034 | 3043 | 3057 | 3039 | 3026 | 3019 |
| 22.5 | 2971 | 2958 | 2949 | 2946 | 2949 | 2957 | 2972 | 2952 | 2939 | 2932 |
| 25.0 | 2892 | 2875 | 2863 | 2857 | 2858 | 2865 | 2881 | 2861 | 2849 | 2844 |
| 27.5 | 2809 | 2788 | 2773 | 2763 | 2760 | 2766 | 2782 | 2760 | 2748 | 2746 |
| 30.0 | 2707 | 2697 | 2673 | 2659 | 2654 | 2660 | 2676 | 2654 | 2642 | 2639 |
| 32.5 | 2590 | 2595 | 2570 | 2551 | 2542 | 2546 | 2562 | 2540 | 2530 | 2534 |
| 35.0 | 2472 | 2473 | 2462 | 2438 | 2428 | 2433 | 2451 | 2427 | 2417 | 2421 |
| 37.5 | 2352 | 2347 | 2351 | 2323 | 2311 | 2312 | 2329 | 2304 | 2294 | 2303 |
| 40.0 | 2230 | 2223 | 2227 | 2209 | 2189 | 2185 | 2199 | 2178 | 2175 | 2187 |
| 42.5 | 2113 | 2098 | 2097 | 2087 | 2063 | 2059 | 2077 | 2053 | 2049 | 2065 |
| 45.0 | 1992 | 1974 | 1964 | 1965 | 1939 | 1932 | 1946 | 1923 | 1924 | 1943 |
| 47.5 | 1875 | 1846 | 1835 | 1838 | 1812 | 1803 | 1815 | 1794 | 1797 | 1814 |
| 50.0 | 1751 | 1726 | 1705 | 1702 | 1687 | 1673 | 1683 | 1664 | 1670 | 1679 |
| 52.5 | 1621 | 1606 | 1581 | 1571 | 1559 | 1542 | 1552 | 1535 | 1543 | 1546 |
| 55.0 | 1495 | 1483 | 1456 | 1439 | 1438 | 1413 | 1419 | 1404 | 1420 | 1416 |
| 57.5 | 1373 | 1353 | 1334 | 1313 | 1311 | 1286 | 1291 | 1278 | 1297 | 1287 |
| 60.0 | 1253 | 1227 | 1213 | 1186 | 1180 | 1161 | 1165 | 1152 | 1163 | 1161 |
| 62.5 | 1138 | 1106 | 1085 | 1066 | 1053 | 1036 | 1037 | 1029 | 1033 | 1040 |
| 65.0 | 1018 | 990.1 | 962.1 | 946.7 | 926.3 | 914.6 | 913.0 | 906.1 | 910.1 | 921.9 |
| 67.5 | 900.8 | 876.8 | 844.5 | 825.3 | 804.5 | 796.2 | 790.0 | 786.6 | 787.4 | 799.6 |
| 70.0 | 786.5 | 759.4 | 731.4 | 705.8 | 686.3 | 678.7 | 670.9 | 669.9 | 669.3 | 679.6 |
| 72.5 | 677.3 | 646.8 | 620.1 | 591.5 | 574.2 | 565.2 | 554.6 | 554.4 | 555.5 | 565.5 |
| 75.0 | 572.4 | 539.5 | 510.0 | 484.3 | 461.5 | 449.1 | 439.6 | 437.5 | 442.8 | 458.7 |
| 77.5 | 473.3 | 438.1 | 407.0 | 379.4 | 353.9 | 338.1 | 331.9 | 328.5 | 336.1 | 352.8 |

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 80.0 | 377.2 | 343.2 | 311.2 | 280.7 | 256.2 | 238.0 | 231.8 | 228.8 | 238.3 | 254.9 |
| 82.5 | 274.5 | 253.8 | 223.2 | 193.7 | 167.0 | 149.3 | 142.3 | 140.8 | 151.5 | 169.4 |
| 85.0 | 0 | 72.56 | 129.6 | 117.2 | 93.41 | 76.34 | 68.01 | 69.16 | 81.34 | 100.1 |
| 87.5 | 0 | 0 | 0 | 0 | 31.10 | 24.11 | 20.11 | 22.16 | 27.59 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.472 | 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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3369 | 3367 | 3365 | 3364 | 3362 | 3361 | 3360 | 3359 | 3358 | 3357 |
| 5.0 | 3345 | 3341 | 3338 | 3334 | 3332 | 3329 | 3328 | 3327 | 3327 | 3327 |
| 7.5 | 3311 | 3306 | 3302 | 3298 | 3296 | 3295 | 3294 | 3291 | 3290 | 3291 |
| 10.0 | 3269 | 3262 | 3258 | 3256 | 3255 | 3255 | 3254 | 3255 | 3257 | 3254 |
| 12.5 | 3216 | 3210 | 3208 | 3211 | 3210 | 3209 | 3212 | 3215 | 3218 | 3221 |
| 15.0 | 3154 | 3152 | 3154 | 3156 | 3156 | 3161 | 3167 | 3171 | 3178 | 3183 |
| 17.5 | 3091 | 3089 | 3088 | 3091 | 3101 | 3110 | 3116 | 3128 | 3130 | 3126 |
| 20.0 | 3016 | 3017 | 3023 | 3029 | 3035 | 3047 | 3056 | 3047 | 3044 | 3040 |
| 22.5 | 2933 | 2937 | 2948 | 2959 | 2976 | 2964 | 2955 | 2959 | 2953 | 2954 |
| 25.0 | 2843 | 2849 | 2864 | 2883 | 2876 | 2868 | 2862 | 2859 | 2866 | 2866 |
| 27.5 | 2751 | 2764 | 2779 | 2771 | 2767 | 2768 | 2767 | 2767 | 2775 | 2778 |
| 30.0 | 2647 | 2666 | 2673 | 2665 | 2657 | 2660 | 2669 | 2674 | 2679 | 2692 |
| 32.5 | 2547 | 2562 | 2551 | 2550 | 2552 | 2554 | 2564 | 2580 | 2588 | 2605 |
| 35.0 | 2435 | 2444 | 2434 | 2431 | 2442 | 2451 | 2462 | 2482 | 2482 | 2482 |
| 37.5 | 2324 | 2316 | 2314 | 2318 | 2327 | 2345 | 2355 | 2358 | 2366 | 2370 |
| 40.0 | 2193 | 2189 | 2193 | 2202 | 2218 | 2232 | 2234 | 2238 | 2248 | 2253 |
| 42.5 | 2068 | 2063 | 2069 | 2087 | 2105 | 2106 | 2113 | 2119 | 2129 | 2138 |
| 45.0 | 1936 | 1938 | 1949 | 1971 | 1975 | 1981 | 1992 | 2001 | 2012 | 2023 |
| 47.5 | 1806 | 1812 | 1830 | 1840 | 1848 | 1858 | 1870 | 1884 | 1895 | 1908 |
| 50.0 | 1676 | 1690 | 1706 | 1710 | 1721 | 1738 | 1753 | 1768 | 1779 | 1789 |
| 52.5 | 1548 | 1565 | 1576 | 1584 | 1600 | 1617 | 1635 | 1650 | 1658 | 1668 |
| 55.0 | 1423 | 1441 | 1445 | 1460 | 1477 | 1497 | 1511 | 1525 | 1536 | 1548 |
| 57.5 | 1302 | 1311 | 1321 | 1340 | 1361 | 1375 | 1391 | 1403 | 1417 | 1429 |
| 60.0 | 1180 | 1186 | 1201 | 1221 | 1237 | 1254 | 1269 | 1284 | 1299 | 1310 |
| 62.5 | 1050 | 1063 | 1086 | 1100 | 1116 | 1133 | 1151 | 1166 | 1181 | 1194 |
| 65.0 | 929.7 | 947.2 | 965.5 | 980.9 | 998.1 | 1016 | 1035 | 1052 | 1070 | 1087 |
| 67.5 | 809.9 | 830.1 | 845.9 | 865.0 | 883.9 | 903.6 | 925.3 | 946.5 | 963.9 | 980.4 |
| 70.0 | 695.6 | 714.0 | 731.6 | 752.8 | 772.4 | 797.6 | 820.6 | 841.2 | 858.7 | 874.6 |
| 72.5 | 583.5 | 600.7 | 621.1 | 645.5 | 670.8 | 694.6 | 717.5 | 737.5 | 754.4 | 769.9 |
| 75.0 | 473.7 | 492.3 | 517.3 | 543.8 | 570.2 | 593.8 | 615.7 | 635.1 | 651.5 | 666.1 |
| 77.5 | 369.4 | 393.1 | 420.4 | 446.9 | 472.5 | 495.0 | 515.7 | 533.8 | 549.5 | 566.3 |
| 80.0 | 275.7 | 302.7 | 328.0 | 353.0 | 376.7 | 399.7 | 423.0 | 445.9 | 468.5 | 491.6 |
| 82.5 | 193.9 | 216.6 | 231.5 | 247.7 | 264.4 | 281.6 | 299.1 | 316.8 | 334.6 | 352.4 |
| 85.0 | 108.3 | 60.68 | 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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3357 | 3358 | 3359 | 3360 | 3361 | 3360 | 3359 | 3359 | 3359 | 3360 |
| 5.0 | 3326 | 3326 | 3326 | 3328 | 3330 | 3329 | 3328 | 3329 | 3330 | 3332 |
| 7.5 | 3293 | 3296 | 3295 | 3296 | 3300 | 3298 | 3297 | 3299 | 3300 | 3301 |
| 10.0 | 3257 | 3261 | 3265 | 3265 | 3270 | 3267 | 3267 | 3268 | 3266 | 3264 |
| 12.5 | 3220 | 3225 | 3234 | 3233 | 3240 | 3236 | 3235 | 3235 | 3231 | 3231 |
| 15.0 | 3189 | 3187 | 3200 | 3204 | 3209 | 3205 | 3204 | 3201 | 3199 | 3199 |
| 17.5 | 3122 | 3117 | 3119 | 3124 | 3127 | 3124 | 3126 | 3128 | 3139 | 3138 |
| 20.0 | 3039 | 3039 | 3036 | 3042 | 3045 | 3043 | 3043 | 3046 | 3050 | 3052 |
| 22.5 | 2955 | 2955 | 2954 | 2961 | 2964 | 2961 | 2961 | 2966 | 2964 | 2961 |
| 25.0 | 2869 | 2872 | 2873 | 2878 | 2882 | 2878 | 2878 | 2881 | 2878 | 2874 |
| 27.5 | 2785 | 2791 | 2794 | 2796 | 2800 | 2796 | 2796 | 2795 | 2790 | 2788 |
| 30.0 | 2697 | 2706 | 2714 | 2714 | 2718 | 2714 | 2713 | 2710 | 2703 | 2700 |
| 32.5 | 2600 | 2601 | 2605 | 2604 | 2607 | 2604 | 2607 | 2608 | 2610 | 2613 |
| 35.0 | 2487 | 2490 | 2493 | 2494 | 2497 | 2493 | 2496 | 2496 | 2497 | 2493 |
| 37.5 | 2374 | 2377 | 2381 | 2384 | 2386 | 2382 | 2384 | 2384 | 2382 | 2377 |
| 40.0 | 2261 | 2264 | 2270 | 2273 | 2276 | 2272 | 2271 | 2271 | 2269 | 2263 |
| 42.5 | 2146 | 2151 | 2158 | 2163 | 2165 | 2162 | 2160 | 2159 | 2155 | 2151 |
| 45.0 | 2032 | 2040 | 2046 | 2052 | 2055 | 2051 | 2048 | 2048 | 2043 | 2035 |
| 47.5 | 1919 | 1925 | 1928 | 1933 | 1936 | 1933 | 1931 | 1931 | 1924 | 1918 |
| 50.0 | 1799 | 1804 | 1810 | 1814 | 1816 | 1814 | 1813 | 1811 | 1803 | 1799 |
| 52.5 | 1678 | 1685 | 1691 | 1695 | 1697 | 1695 | 1695 | 1692 | 1686 | 1679 |
| 55.0 | 1558 | 1565 | 1572 | 1576 | 1578 | 1577 | 1576 | 1573 | 1567 | 1559 |
| 57.5 | 1439 | 1447 | 1454 | 1457 | 1459 | 1459 | 1458 | 1454 | 1448 | 1439 |
| 60.0 | 1320 | 1328 | 1336 | 1337 | 1340 | 1341 | 1339 | 1335 | 1330 | 1321 |
| 62.5 | 1206 | 1217 | 1227 | 1230 | 1233 | 1233 | 1229 | 1223 | 1216 | 1205 |
| 65.0 | 1100 | 1110 | 1120 | 1122 | 1126 | 1126 | 1121 | 1116 | 1108 | 1098 |
| 67.5 | 993.3 | 1003 | 1013 | 1015 | 1019 | 1018 | 1014 | 1009 | 1001 | 991.3 |
| 70.0 | 887.5 | 897.0 | 905.7 | 908.6 | 911.8 | 910.9 | 907.0 | 902.2 | 894.5 | 884.5 |

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72.5 | 782.3 | 791.2 | 798.6 | 801.9 | 804.9 | 803.4 | 799.8 | 795.7 | 788.0 | 778.0 |
| 75.0 | 677.1 | 685.6 | 691.6 | 695.3 | 698.0 | 695.8 | 692.5 | 689.5 | 681.9 | 671.9 |
| 77.5 | 418.9 | 388.9 | 366.4 | 352.8 | 349.0 | 353.1 | 367.0 | 391.1 | 422.0 | 460.2 |
| 80.0 | 80.13 | 45.85 | 20.59 | 5.185 | 0 | 5.189 | 20.63 | 46.12 | 80.77 | 123.8 |
| 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 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 | 3391 |
| 2.5 | 3361 | 3363 | 3364 | 3366 | 3369 | 3371 | 3373 | 3375 | 3378 | 3380 |
| 5.0 | 3334 | 3337 | 3337 | 3337 | 3337 | 3338 | 3341 | 3344 | 3348 | 3352 |
| 7.5 | 3298 | 3298 | 3299 | 3303 | 3307 | 3310 | 3311 | 3312 | 3315 | 3321 |
| 10.0 | 3264 | 3268 | 3266 | 3262 | 3266 | 3268 | 3269 | 3272 | 3277 | 3285 |
| 12.5 | 3233 | 3225 | 3226 | 3220 | 3219 | 3219 | 3218 | 3221 | 3228 | 3236 |
| 15.0 | 3190 | 3184 | 3176 | 3170 | 3166 | 3166 | 3166 | 3169 | 3175 | 3178 |
| 17.5 | 3141 | 3135 | 3124 | 3119 | 3114 | 3110 | 3105 | 3099 | 3101 | 3109 |
| 20.0 | 3051 | 3055 | 3065 | 3066 | 3055 | 3042 | 3035 | 3030 | 3026 | 3028 |
| 22.5 | 2962 | 2968 | 2973 | 2981 | 2987 | 2975 | 2957 | 2950 | 2949 | 2951 |
| 25.0 | 2875 | 2875 | 2878 | 2883 | 2887 | 2895 | 2885 | 2869 | 2859 | 2857 |
| 27.5 | 2785 | 2782 | 2782 | 2779 | 2784 | 2795 | 2796 | 2776 | 2765 | 2762 |
| 30.0 | 2692 | 2688 | 2681 | 2678 | 2679 | 2680 | 2689 | 2688 | 2669 | 2659 |
| 32.5 | 2600 | 2595 | 2578 | 2575 | 2568 | 2568 | 2575 | 2585 | 2564 | 2551 |
| 35.0 | 2498 | 2492 | 2482 | 2468 | 2460 | 2454 | 2454 | 2463 | 2459 | 2439 |
| 37.5 | 2380 | 2374 | 2378 | 2363 | 2349 | 2339 | 2337 | 2338 | 2349 | 2324 |
| 40.0 | 2259 | 2256 | 2251 | 2252 | 2237 | 2225 | 2211 | 2211 | 2215 | 2203 |
| 42.5 | 2141 | 2136 | 2129 | 2123 | 2124 | 2105 | 2090 | 2082 | 2087 | 2084 |
| 45.0 | 2026 | 2015 | 2007 | 2000 | 1994 | 1991 | 1971 | 1957 | 1955 | 1963 |
| 47.5 | 1920 | 1897 | 1885 | 1875 | 1865 | 1862 | 1850 | 1832 | 1823 | 1833 |
| 50.0 | 1791 | 1783 | 1768 | 1753 | 1738 | 1729 | 1727 | 1706 | 1697 | 1697 |
| 52.5 | 1670 | 1659 | 1649 | 1633 | 1616 | 1602 | 1595 | 1589 | 1567 | 1565 |
| 55.0 | 1550 | 1537 | 1524 | 1513 | 1496 | 1479 | 1465 | 1459 | 1442 | 1432 |
| 57.5 | 1429 | 1417 | 1404 | 1389 | 1375 | 1356 | 1340 | 1329 | 1320 | 1302 |
| 60.0 | 1312 | 1299 | 1284 | 1267 | 1253 | 1238 | 1218 | 1203 | 1199 | 1177 |
| 62.5 | 1194 | 1181 | 1166 | 1150 | 1131 | 1117 | 1100 | 1080 | 1069 | 1056 |
| 65.0 | 1082 | 1066 | 1051 | 1032 | 1016 | 995.5 | 981.0 | 963.3 | 945.4 | 938.4 |
| 67.5 | 974.8 | 957.8 | 939.3 | 918.8 | 901.8 | 880.5 | 861.8 | 846.3 | 825.3 | 816.1 |
| 70.0 | 869.0 | 852.0 | 832.0 | 812.2 | 786.6 | 768.5 | 747.1 | 727.6 | 710.9 | 694.2 |
| 72.5 | 763.8 | 747.4 | 728.2 | 707.5 | 685.3 | 659.9 | 636.8 | 615.0 | 596.6 | 578.6 |
| 75.0 | 659.6 | 644.1 | 625.7 | 605.1 | 581.8 | 557.8 | 532.3 | 507.9 | 486.3 | 470.3 |
| 77.5 | 504.5 | 541.8 | 524.0 | 505.1 | 482.0 | 459.4 | 434.0 | 408.1 | 383.4 | 362.8 |
| 80.0 | 173.9 | 229.3 | 287.4 | 346.7 | 385.2 | 364.0 | 339.6 | 314.8 | 288.6 | 264.4 |
| 82.5 | 0 | 0 | 0 | 46.94 | 117.2 | 183.6 | 241.0 | 226.9 | 203.7 | 179.3 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63.85 | 115.0 | 107.5 |
| 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 | 3391 | 3391 | | | | | | | | |
| 2.5 | 3383 | 3386 | | | | | | | | |
| 5.0 | 3357 | 3361 | | | | | | | | |
| 7.5 | 3328 | 3335 | | | | | | | | |
| 10.0 | 3293 | 3303 | | | | | | | | |
| 12.5 | 3244 | 3254 | | | | | | | | |
| 15.0 | 3185 | 3195 | | | | | | | | |
| 17.5 | 3117 | 3128 | | | | | | | | |
| 20.0 | 3036 | 3049 | | | | | | | | |
| 22.5 | 2957 | 2968 | | | | | | | | |
| 25.0 | 2861 | 2873 | | | | | | | | |
| 27.5 | 2765 | 2776 | | | | | | | | |
| 30.0 | 2660 | 2671 | | | | | | | | |
| 32.5 | 2551 | 2558 | | | | | | | | |
| 35.0 | 2434 | 2443 | | | | | | | | |
| 37.5 | 2312 | 2319 | | | | | | | | |
| 40.0 | 2192 | 2196 | | | | | | | | |
| 42.5 | 2068 | 2070 | | | | | | | | |
| 45.0 | 1940 | 1938 | | | | | | | | |
| 47.5 | 1815 | 1809 | | | | | | | | |
| 50.0 | 1687 | 1680 | | | | | | | | |
| 52.5 | 1562 | 1549 | | | | | | | | |
| 55.0 | 1431 | 1419 | | | | | | | | |
| 57.5 | 1306 | 1292 | | | | | | | | |
| 60.0 | 1175 | 1164 | | | | | | | | |
| 62.5 | 1047 | 1040 | | | | | | | | |

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-12-02

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.998m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | |
|------|-------|-------|
| 65.0 | 920.4 | 914.0 |
| 67.5 | 799.1 | 794.8 |
| 70.0 | 682.2 | 675.1 |
| 72.5 | 569.8 | 561.2 |
| 75.0 | 455.9 | 444.0 |
| 77.5 | 347.1 | 335.0 |
| 80.0 | 248.8 | 235.4 |
| 82.5 | 160.5 | 147.7 |
| 85.0 | 89.46 | 74.50 |
| 87.5 | 31.56 | 26.64 |
| 90.0 | 0 | 0 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-12-02

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.998m [K=1.0000]
Remarks: