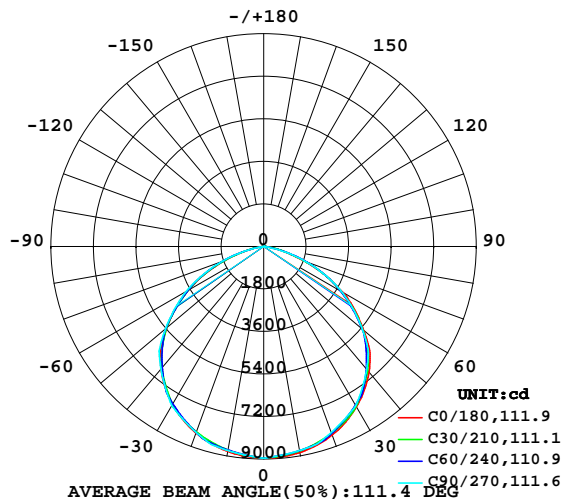


LUMINAIRE PHOTOMETRIC TEST REPORT

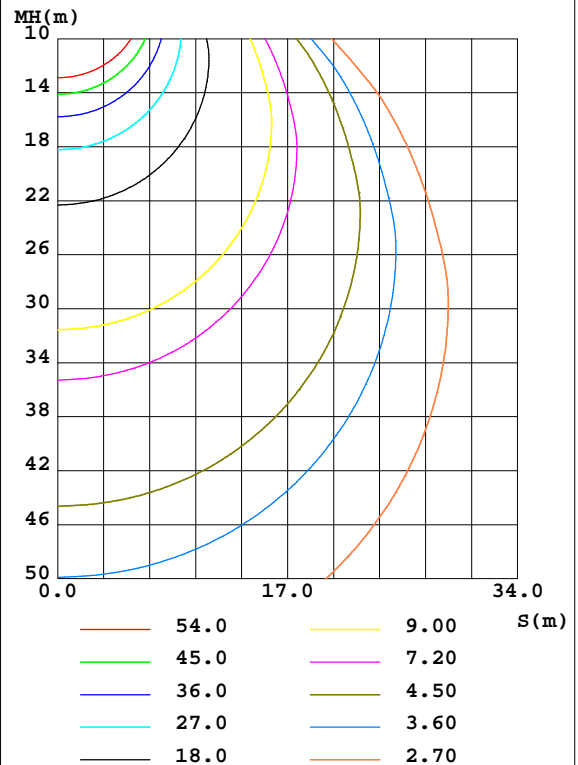
| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 165.60 lm/W | | | |
|------------------|-----------|-----------------------------------|--------|------------------------|----------|
| MODEL | GST-24-U1 | Imax(cd) | 8962 | S/MH(C0/180) | 1.28 |
| NOMINAL POWER(W) | 150 | LOR(%) | 100.0 | S/MH(C90/270) | 1.28 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 24316 | η UP,DN(C0-180) | 0.0,50.1 |
| NOMINAL FLUX(lm) | 24315.5 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,49.9 |
| 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:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [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 | 8851 | 8773 | 8767 | 8738 | 8804 | 8735 | 8764 | 8768 | 0- 10 | 843.9 | 843.9 | 3.47,3.47 |
| 20 | 8486 | 8461 | 8377 | 8406 | 8398 | 8399 | 8370 | 8460 | 10- 20 | 2435 | 3279 | 13.5,13.5 |
| 30 | 7845 | 7750 | 7791 | 7670 | 7717 | 7661 | 7780 | 7751 | 20- 30 | 3732 | 7010 | 28.8,28.8 |
| 40 | 6934 | 6877 | 6782 | 6766 | 6763 | 6758 | 6766 | 6881 | 30- 40 | 4565 | 11576 | 47.6,47.6 |
| 50 | 5526 | 5436 | 5450 | 5317 | 5353 | 5358 | 5428 | 5445 | 40- 50 | 4744 | 16320 | 67.1,67.1 |
| 60 | 3856 | 3766 | 3797 | 3671 | 3672 | 3688 | 3767 | 3771 | 50- 60 | 4102 | 20422 | 84,84 |
| 70 | 1859 | 1933 | 1926 | 1883 | 1747 | 1846 | 1890 | 1923 | 60- 70 | 2769 | 23190 | 95.4,95.4 |
| 80 | 376.8 | 345.2 | 0 | 329.8 | 313.4 | 298.8 | 0 | 345.5 | 70- 80 | 1070 | 24260 | 99.8,99.8 |
| 90 | 6.457 | 0 | 0 | 0 | 7.029 | 0 | 0 | 0 | 80- 90 | 55.37 | 24316 | 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): 13976 lm

%lum = 57.5%

%lamp = 57.5%

Conical surface Flux(120deg): 20422 lm

%lum = 84.0%

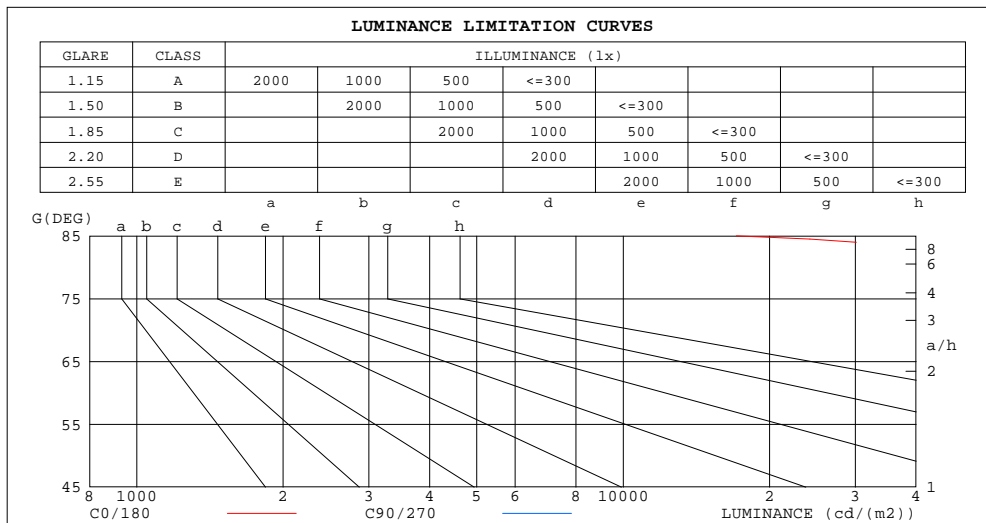
%lamp = 84.0%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



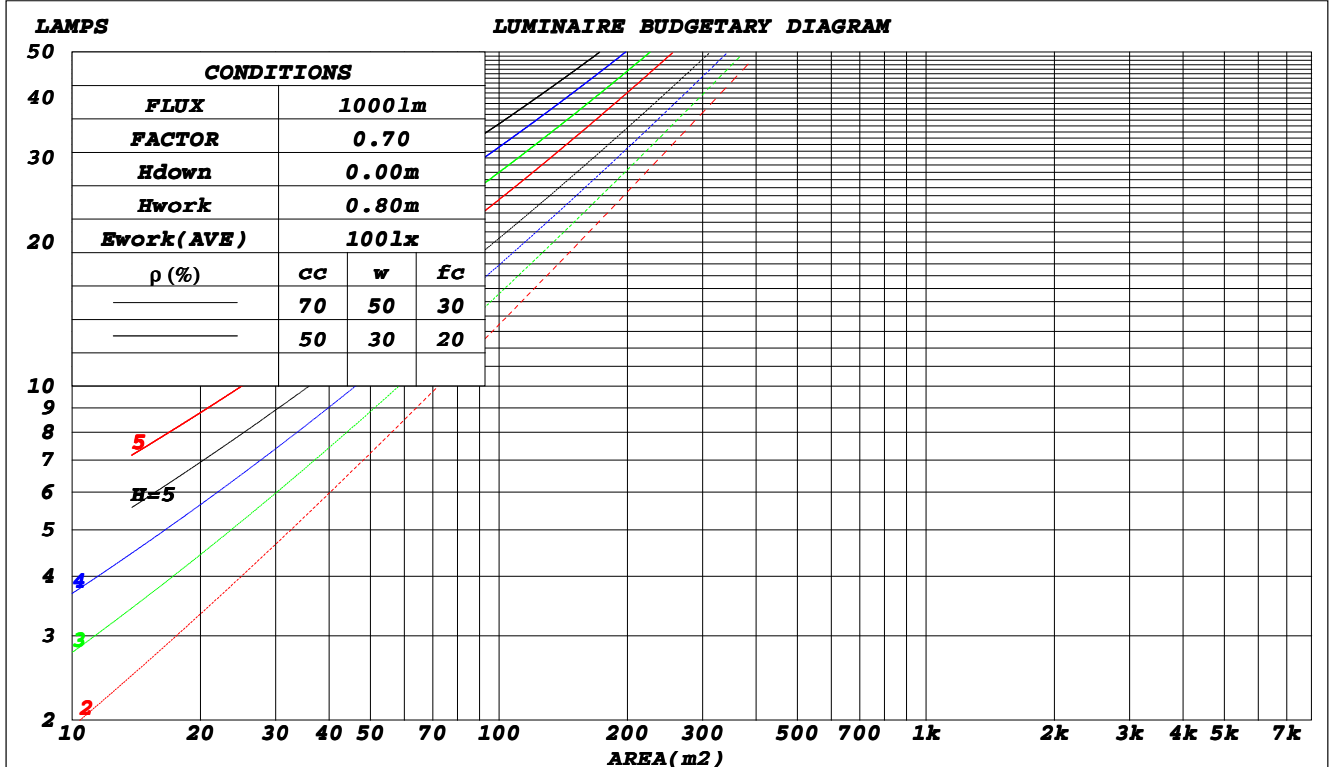
$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | 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 | .67 | .64 | .62 |
| 4.0 | .72 | .64 | .58 | .71 | .63 | .57 | .69 | .62 | .56 | .66 | .60 | .56 | .64 | .59 | .55 | .53 |
| 5.0 | .65 | .56 | .50 | .64 | .55 | .49 | .62 | .54 | .49 | .60 | .53 | .48 | .58 | .52 | .48 | .46 |
| 6.0 | .58 | .50 | .43 | .57 | .49 | .43 | .56 | .48 | .43 | .54 | .47 | .42 | .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 | .38 | .34 | .44 | .38 | .33 | .32 |
| 9.0 | .44 | .36 | .31 | .44 | .36 | .31 | .43 | .35 | .30 | .41 | .35 | .30 | .40 | .34 | .30 | .28 |
| 10.0 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .27 | .37 | .32 | .27 | .26 |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | |
|--|--|--|------------------|--|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | | | | |
| NAME: LED Explosion-proof Light | | | TYPE:Flood Light | | WEIGHT:N/A |
| SPEC.:150W | | | DIM.: 230mm | | 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 | .271 | .148 | .045 | .264 | .146 | .045 | .253 | .141 | .044 | .242 | .136 | .043 | .232 | .131 | .041 | | |
| 3.0 | .255 | .136 | .041 | .250 | .134 | .040 | .240 | .130 | .039 | .230 | .126 | .039 | .221 | .123 | .038 | | |
| 4.0 | .238 | .124 | .036 | .234 | .122 | .036 | .225 | .119 | .036 | .216 | .116 | .035 | .208 | .113 | .034 | | |
| 5.0 | .222 | .113 | .033 | .218 | .112 | .033 | .210 | .109 | .032 | .203 | .107 | .032 | .196 | .105 | .031 | | |
| 6.0 | .208 | .104 | .030 | .204 | .103 | .030 | .197 | .101 | .029 | .190 | .099 | .029 | .184 | .097 | .029 | | |
| 7.0 | .194 | .096 | .027 | .191 | .095 | .027 | .184 | .093 | .027 | .178 | .091 | .027 | .173 | .090 | .026 | | |
| 8.0 | .182 | .089 | .025 | .179 | .088 | .025 | .173 | .087 | .025 | .168 | .085 | .025 | .163 | .084 | .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 | .150 | .074 | .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 | .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 | .029 | .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 | .122 | .064 | .026 | .105 | .056 | .022 | .073 | .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:2024-10-14

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65%
 Test Distance:6.938m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------------|----------------|------|---------------------|------|------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | | | | | | | | | |
| NAME: LED Explosion-proof Light | | | | | TYPE:Flood Light | | | WEIGHT:N/A | | |
| SPEC.:150W | | | | | DIM.: 230mm | | | 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 | 22.1 | 23.6 | 22.4 | 23.8 | 24.0 | 22.1 | 23.6 | 22.4 | 23.8 | 24.0 |
| 3H | 23.1 | 24.5 | 23.4 | 24.7 | 25.0 | 23.2 | 24.5 | 23.5 | 24.8 | 25.0 |
| 4H | 23.4 | 24.6 | 23.7 | 24.9 | 25.1 | 23.4 | 24.7 | 23.8 | 25.0 | 25.2 |
| 6H | 23.4 | 24.6 | 23.7 | 24.9 | 25.1 | 23.4 | 24.6 | 23.7 | 24.9 | 25.2 |
| 8H | 23.4 | 24.5 | 23.7 | 24.8 | 25.1 | 23.4 | 24.5 | 23.7 | 24.8 | 25.1 |
| 12H | 23.3 | 24.4 | 23.7 | 24.7 | 25.0 | 23.3 | 24.4 | 23.7 | 24.7 | 25.0 |
| 4H 2H | 22.6 | 23.9 | 22.9 | 24.1 | 24.4 | 22.6 | 23.9 | 22.9 | 24.1 | 24.4 |
| 3H | 23.8 | 24.9 | 24.1 | 25.2 | 25.5 | 23.8 | 25.0 | 24.2 | 25.2 | 25.5 |
| 4H | 24.1 | 25.1 | 24.4 | 25.4 | 25.7 | 24.2 | 25.2 | 24.5 | 25.5 | 25.8 |
| 6H | 24.1 | 25.0 | 24.5 | 25.4 | 25.7 | 24.2 | 25.0 | 24.5 | 25.4 | 25.8 |
| 8H | 24.1 | 25.0 | 24.5 | 25.3 | 25.7 | 24.1 | 24.9 | 24.5 | 25.3 | 25.7 |
| 12H | 24.1 | 24.9 | 24.5 | 25.2 | 25.6 | 24.1 | 24.8 | 24.5 | 25.2 | 25.6 |
| 8H 4H | 24.2 | 25.0 | 24.6 | 25.3 | 25.7 | 24.2 | 25.1 | 24.6 | 25.4 | 25.8 |
| 6H | 24.3 | 25.0 | 24.7 | 25.4 | 25.8 | 24.3 | 24.9 | 24.7 | 25.3 | 25.8 |
| 8H | 24.3 | 24.9 | 24.8 | 25.3 | 25.8 | 24.2 | 24.8 | 24.7 | 25.2 | 25.7 |
| 12H | 24.3 | 24.8 | 24.8 | 25.2 | 25.7 | 24.2 | 24.7 | 24.7 | 25.1 | 25.6 |
| 12H 4H | 24.1 | 24.9 | 24.5 | 25.3 | 25.7 | 24.2 | 25.0 | 24.6 | 25.3 | 25.8 |
| 6H | 24.3 | 24.9 | 24.7 | 25.3 | 25.7 | 24.2 | 24.8 | 24.7 | 25.3 | 25.7 |
| 8H | 24.3 | 24.8 | 24.8 | 25.2 | 25.7 | 24.2 | 24.7 | 24.7 | 25.2 | 25.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | + 0.3 / - 0.4 | | | | | + 0.2 / - 0.5 | | | | |
| 2.0H | + 0.4 / - 0.5 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117, 24316 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.1$)
Area: 0.024 m²

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

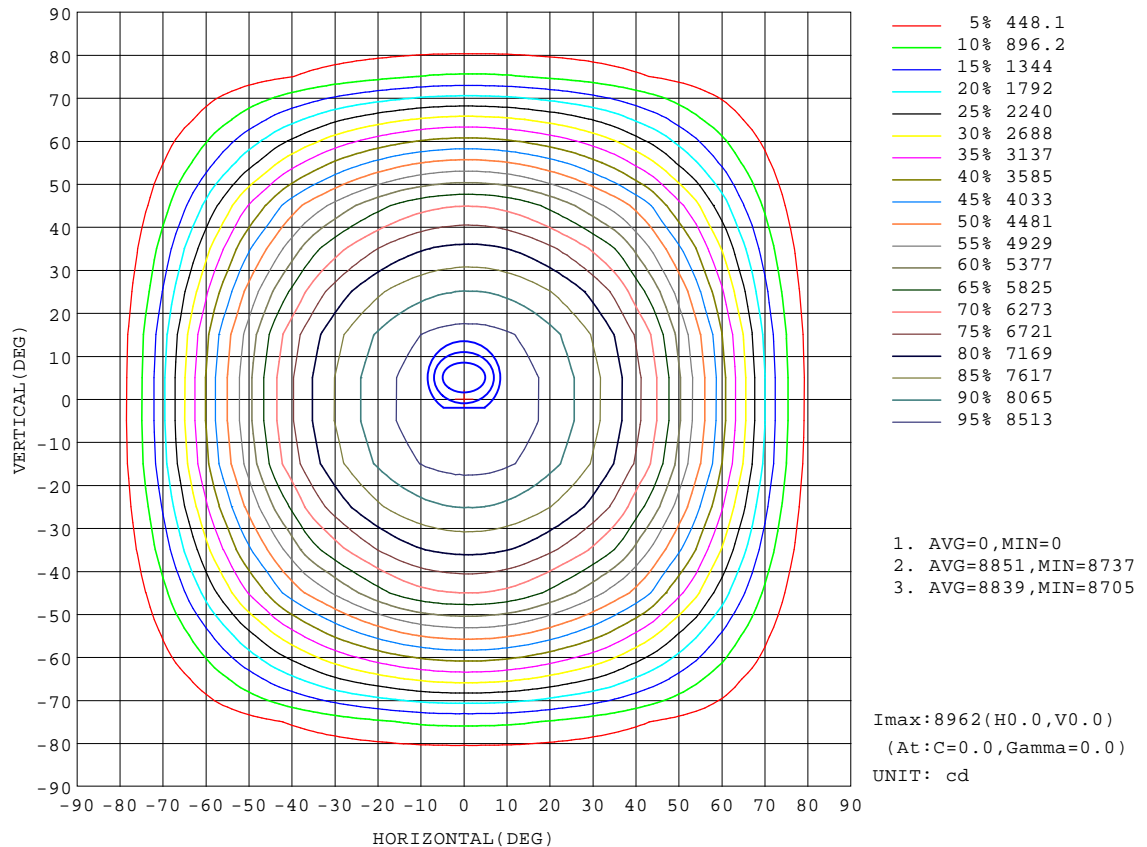
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 51 | 68 | 58 | 51 | 67 | 57 | 50 | 44 |
| 1.00 | 78 | 67 | 60 | 77 | 67 | 60 | 75 | 68 | 60 | 53 |
| 1.25 | 85 | 75 | 69 | 84 | 75 | 68 | 81 | 73 | 67 | 60 |
| 1.50 | 90 | 81 | 74 | 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 | 102 | 98 | 105 | 101 | 97 | 101 | 97 | 94 | 86 |
| 5.00 | 110 | 106 | 102 | 107 | 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:2024-10-14

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



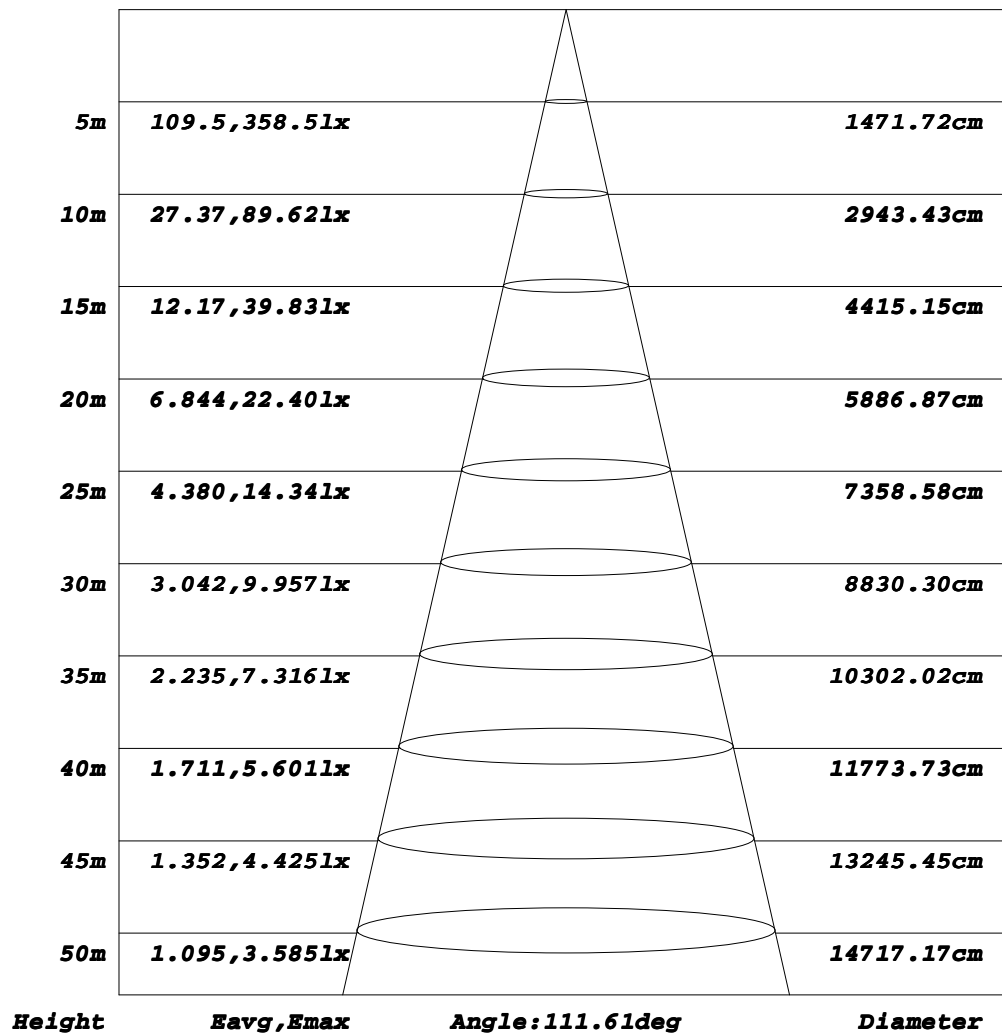
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

Flux out:18902 lm



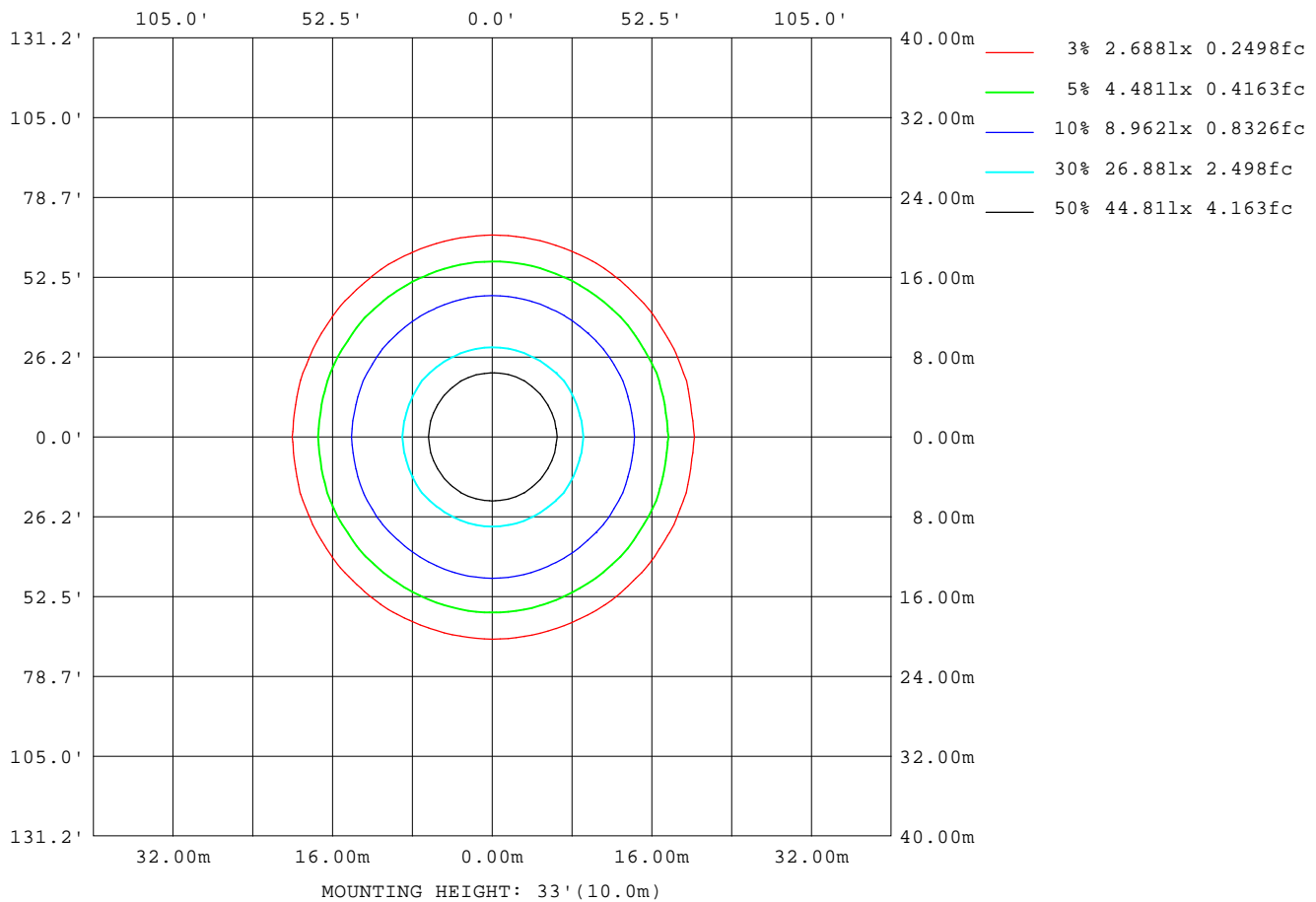
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jessie
Test Date: 2024-10-14

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65%
Test Distance: 6.938m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | 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:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|------------------|---------------------|
| Test:U:120.03V I:1.3505A P:146.84W PF:0.9059 Freq:59.98Hz Lamp Flux:24315.5x1 lm | | |
| NAME: LED Explosion-proof Light | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:150W | DIM.: 230mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

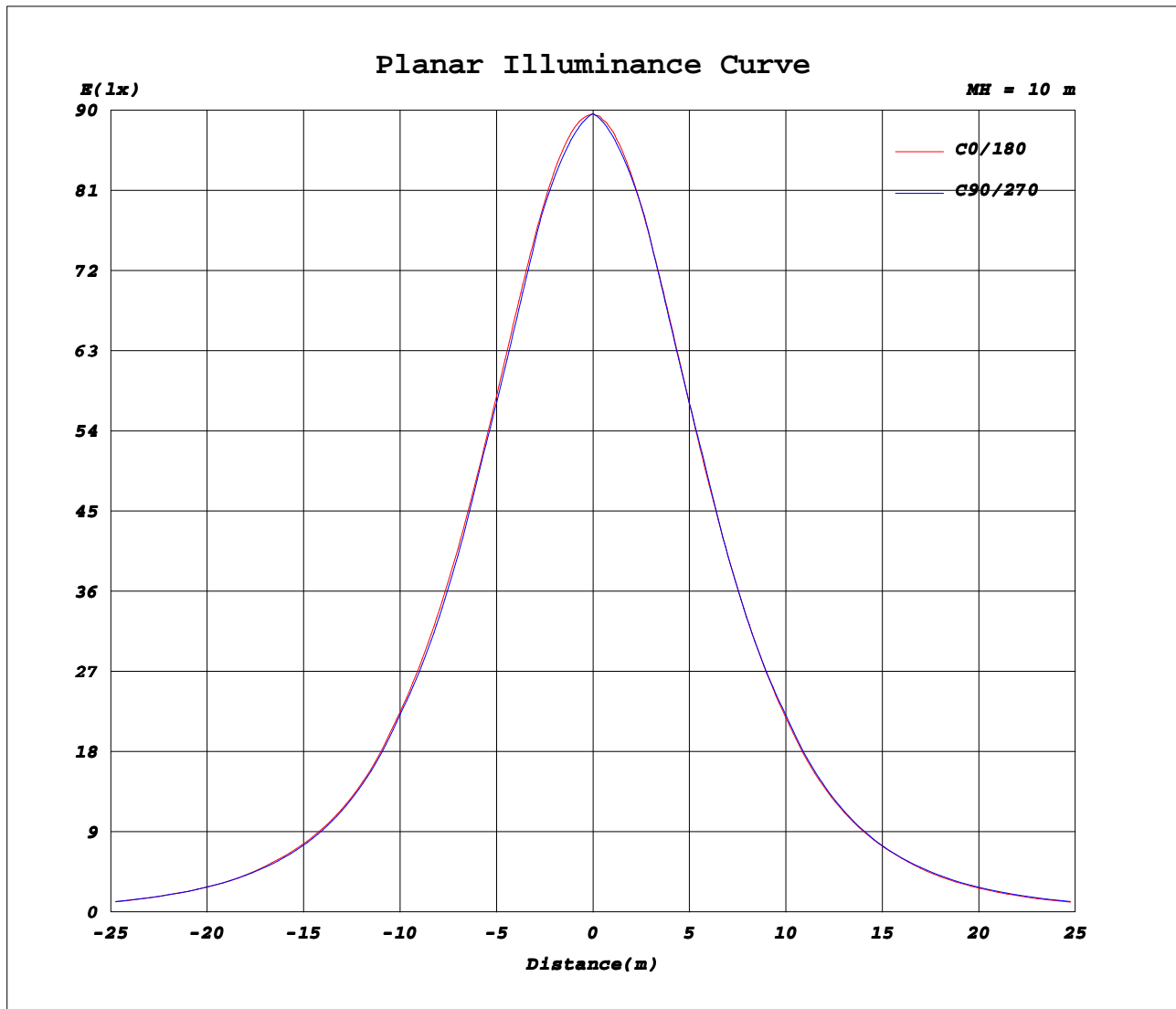
| AvgL | cd/m2 |
|----------------|--------|
| L_0~180(65)av | 276337 |
| L_0~180(75)av | 150377 |
| L_0~180(85)av | 16383 |
| L_90~270(65)av | 280480 |
| L_90~270(75)av | 156264 |
| L_90~270(85)av | 0 |
| L_45(65)av | 275200 |
| L_45(75)av | 173826 |
| L_45(85)av | 0 |

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:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [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:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8948 | 8944 | 8940 | 8936 | 8933 | 8929 | 8925 | 8922 | 8919 | 8917 |
| 5.0 | 8931 | 8923 | 8916 | 8909 | 8902 | 8896 | 8891 | 8886 | 8882 | 8878 |
| 7.5 | 8900 | 8888 | 8877 | 8867 | 8859 | 8851 | 8844 | 8838 | 8833 | 8829 |
| 10.0 | 8851 | 8835 | 8820 | 8808 | 8797 | 8789 | 8783 | 8778 | 8775 | 8773 |
| 12.5 | 8784 | 8764 | 8746 | 8732 | 8721 | 8714 | 8709 | 8707 | 8706 | 8707 |
| 15.0 | 8706 | 8682 | 8661 | 8645 | 8634 | 8628 | 8625 | 8623 | 8625 | 8631 |
| 17.5 | 8605 | 8577 | 8555 | 8539 | 8531 | 8528 | 8527 | 8531 | 8539 | 8549 |
| 20.0 | 8486 | 8455 | 8431 | 8415 | 8408 | 8410 | 8415 | 8428 | 8441 | 8461 |
| 22.5 | 8354 | 8319 | 8295 | 8280 | 8274 | 8278 | 8290 | 8309 | 8333 | 8311 |
| 25.0 | 8202 | 8164 | 8139 | 8126 | 8126 | 8136 | 8155 | 8182 | 8152 | 8131 |
| 27.5 | 8027 | 7987 | 7964 | 7958 | 7965 | 7983 | 8009 | 7987 | 7959 | 7944 |
| 30.0 | 7845 | 7802 | 7779 | 7775 | 7783 | 7814 | 7815 | 7780 | 7759 | 7750 |
| 32.5 | 7645 | 7597 | 7571 | 7571 | 7590 | 7630 | 7587 | 7565 | 7551 | 7552 |
| 35.0 | 7425 | 7375 | 7353 | 7357 | 7384 | 7380 | 7349 | 7335 | 7337 | 7345 |
| 37.5 | 7189 | 7136 | 7116 | 7127 | 7166 | 7127 | 7100 | 7098 | 7110 | 7133 |
| 40.0 | 6934 | 6879 | 6861 | 6881 | 6895 | 6852 | 6844 | 6852 | 6880 | 6877 |
| 42.5 | 6658 | 6599 | 6587 | 6615 | 6580 | 6541 | 6562 | 6600 | 6615 | 6532 |
| 45.0 | 6360 | 6278 | 6266 | 6322 | 6241 | 6192 | 6232 | 6325 | 6246 | 6174 |
| 47.5 | 5960 | 5879 | 5875 | 5916 | 5867 | 5833 | 5861 | 5906 | 5863 | 5809 |
| 50.0 | 5526 | 5457 | 5466 | 5481 | 5459 | 5468 | 5472 | 5469 | 5471 | 5436 |
| 52.5 | 5116 | 5053 | 5074 | 5065 | 5096 | 5066 | 5066 | 5055 | 5074 | 5056 |
| 55.0 | 4719 | 4656 | 4686 | 4656 | 4664 | 4686 | 4645 | 4662 | 4687 | 4673 |
| 57.5 | 4309 | 4250 | 4290 | 4225 | 4280 | 4233 | 4198 | 4264 | 4306 | 4223 |
| 60.0 | 3856 | 3778 | 3809 | 3766 | 3829 | 3780 | 3755 | 3834 | 3822 | 3766 |
| 62.5 | 3334 | 3276 | 3283 | 3300 | 3294 | 3320 | 3319 | 3317 | 3335 | 3301 |
| 65.0 | 2873 | 2813 | 2790 | 2837 | 2800 | 2828 | 2847 | 2822 | 2847 | 2836 |
| 67.5 | 2325 | 2288 | 2299 | 2315 | 2329 | 2345 | 2361 | 2340 | 2365 | 2367 |
| 70.0 | 1859 | 1828 | 1814 | 1835 | 1850 | 1866 | 1882 | 1873 | 1911 | 1933 |
| 72.5 | 1365 | 1364 | 1378 | 1379 | 1402 | 1422 | 1418 | 1440 | 1504 | 1515 |
| 75.0 | 966.0 | 962.5 | 968.1 | 977.7 | 1000 | 996.8 | 1026 | 1082 | 1113 | 1107 |
| 77.5 | 642.4 | 624.2 | 630.3 | 642.1 | 648.3 | 662.1 | 722.2 | 745.9 | 739.1 | 710.2 |
| 80.0 | 376.8 | 370.8 | 370.7 | 382.5 | 391.9 | 426.0 | 443.1 | 426.9 | 381.9 | 345.2 |
| 82.5 | 185.0 | 180.1 | 200.3 | 216.2 | 213.6 | 186.5 | 156.7 | 108.2 | 46.46 | 0 |
| 85.0 | 35.72 | 43.11 | 70.03 | 89.25 | 66.11 | 43.38 | 0 | 0 | 0 | 0 |
| 87.5 | 8.608 | 16.60 | 20.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90.0 | 6.457 | 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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8915 | 8913 | 8912 | 8911 | 8911 | 8911 | 8911 | 8912 | 8913 | 8910 |
| 5.0 | 8875 | 8871 | 8867 | 8864 | 8862 | 8861 | 8861 | 8863 | 8864 | 8859 |
| 7.5 | 8826 | 8823 | 8821 | 8819 | 8816 | 8813 | 8812 | 8813 | 8816 | 8809 |
| 10.0 | 8771 | 8770 | 8770 | 8769 | 8769 | 8767 | 8764 | 8765 | 8767 | 8758 |
| 12.5 | 8708 | 8712 | 8715 | 8717 | 8719 | 8720 | 8717 | 8716 | 8719 | 8710 |
| 15.0 | 8639 | 8646 | 8654 | 8662 | 8668 | 8670 | 8671 | 8669 | 8670 | 8662 |
| 17.5 | 8559 | 8576 | 8579 | 8564 | 8553 | 8543 | 8534 | 8524 | 8524 | 8519 |
| 20.0 | 8456 | 8435 | 8423 | 8410 | 8402 | 8394 | 8386 | 8378 | 8377 | 8372 |
| 22.5 | 8290 | 8274 | 8261 | 8256 | 8248 | 8243 | 8239 | 8232 | 8231 | 8226 |
| 25.0 | 8116 | 8106 | 8100 | 8096 | 8094 | 8092 | 8091 | 8086 | 8084 | 8078 |
| 27.5 | 7937 | 7933 | 7934 | 7936 | 7939 | 7940 | 7941 | 7938 | 7938 | 7928 |
| 30.0 | 7750 | 7757 | 7763 | 7774 | 7781 | 7787 | 7791 | 7790 | 7791 | 7779 |
| 32.5 | 7560 | 7574 | 7590 | 7611 | 7584 | 7566 | 7552 | 7542 | 7539 | 7530 |
| 35.0 | 7365 | 7388 | 7358 | 7330 | 7319 | 7307 | 7297 | 7290 | 7286 | 7277 |
| 37.5 | 7138 | 7090 | 7062 | 7051 | 7049 | 7046 | 7042 | 7038 | 7034 | 7024 |
| 40.0 | 6813 | 6775 | 6759 | 6760 | 6775 | 6784 | 6786 | 6787 | 6782 | 6773 |
| 42.5 | 6477 | 6449 | 6450 | 6467 | 6496 | 6520 | 6530 | 6535 | 6529 | 6521 |
| 45.0 | 6133 | 6119 | 6132 | 6168 | 6216 | 6253 | 6274 | 6282 | 6277 | 6269 |
| 47.5 | 5782 | 5784 | 5810 | 5865 | 5887 | 5891 | 5882 | 5874 | 5864 | 5862 |
| 50.0 | 5424 | 5440 | 5445 | 5449 | 5457 | 5466 | 5463 | 5459 | 5450 | 5447 |
| 52.5 | 5062 | 5033 | 5013 | 5018 | 5029 | 5042 | 5043 | 5043 | 5037 | 5032 |
| 55.0 | 4623 | 4598 | 4584 | 4603 | 4616 | 4624 | 4624 | 4628 | 4624 | 4616 |
| 57.5 | 4186 | 4170 | 4160 | 4162 | 4178 | 4192 | 4205 | 4212 | 4211 | 4200 |
| 60.0 | 3750 | 3742 | 3736 | 3739 | 3755 | 3769 | 3786 | 3796 | 3797 | 3784 |
| 62.5 | 3306 | 3317 | 3315 | 3319 | 3318 | 3320 | 3328 | 3331 | 3329 | 3320 |
| 65.0 | 2860 | 2889 | 2871 | 2857 | 2857 | 2859 | 2863 | 2863 | 2861 | 2855 |
| 67.5 | 2407 | 2430 | 2414 | 2398 | 2397 | 2398 | 2399 | 2396 | 2394 | 2390 |
| 70.0 | 1958 | 1977 | 1959 | 1942 | 1938 | 1938 | 1935 | 1930 | 1926 | 1925 |
| 72.5 | 1519 | 1528 | 1507 | 1488 | 1480 | 1479 | 1472 | 1463 | 1458 | 1460 |
| 75.0 | 1092 | 1083 | 1057 | 1035 | 1024 | 1020 | 1010 | 996.3 | 989.9 | 995.6 |
| 77.5 | 673.9 | 640.8 | 617.2 | 591.2 | 566.4 | 543.7 | 520.9 | 502.2 | 495.0 | 501.8 |
| 80.0 | 308.5 | 263.5 | 211.9 | 158.7 | 108.3 | 64.04 | 29.28 | 7.381 | 0 | 7.374 |
| 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:2024-10-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8908 | 8906 | 8904 | 8904 | 8906 | 8908 | 8911 | 8914 | 8917 | 8920 |
| 5.0 | 8855 | 8855 | 8858 | 8860 | 8856 | 8854 | 8856 | 8860 | 8865 | 8870 |
| 7.5 | 8806 | 8810 | 8804 | 8800 | 8803 | 8804 | 8803 | 8805 | 8810 | 8813 |
| 10.0 | 8760 | 8754 | 8750 | 8749 | 8744 | 8745 | 8742 | 8738 | 8741 | 8744 |
| 12.5 | 8711 | 8701 | 8697 | 8690 | 8685 | 8676 | 8674 | 8670 | 8664 | 8662 |
| 15.0 | 8658 | 8649 | 8639 | 8630 | 8618 | 8610 | 8598 | 8588 | 8580 | 8573 |
| 17.5 | 8516 | 8518 | 8523 | 8528 | 8543 | 8533 | 8518 | 8500 | 8486 | 8474 |
| 20.0 | 8367 | 8367 | 8368 | 8375 | 8380 | 8393 | 8406 | 8406 | 8383 | 8363 |
| 22.5 | 8219 | 8215 | 8213 | 8217 | 8220 | 8223 | 8234 | 8250 | 8272 | 8239 |
| 25.0 | 8070 | 8062 | 8059 | 8053 | 8049 | 8051 | 8055 | 8066 | 8082 | 8105 |
| 27.5 | 7919 | 7907 | 7904 | 7891 | 7879 | 7873 | 7870 | 7871 | 7881 | 7902 |
| 30.0 | 7768 | 7753 | 7741 | 7721 | 7705 | 7690 | 7677 | 7670 | 7673 | 7688 |
| 32.5 | 7529 | 7533 | 7542 | 7553 | 7530 | 7504 | 7481 | 7463 | 7457 | 7462 |
| 35.0 | 7275 | 7275 | 7275 | 7277 | 7291 | 7311 | 7278 | 7253 | 7232 | 7227 |
| 37.5 | 7020 | 7015 | 7004 | 6997 | 6997 | 7012 | 7049 | 7031 | 6999 | 6984 |
| 40.0 | 6764 | 6751 | 6731 | 6711 | 6694 | 6693 | 6719 | 6766 | 6761 | 6726 |
| 42.5 | 6507 | 6487 | 6455 | 6417 | 6384 | 6367 | 6378 | 6418 | 6490 | 6468 |
| 45.0 | 6251 | 6222 | 6176 | 6117 | 6067 | 6034 | 6028 | 6061 | 6115 | 6189 |
| 47.5 | 5861 | 5861 | 5851 | 5814 | 5742 | 5693 | 5677 | 5689 | 5739 | 5772 |
| 50.0 | 5441 | 5436 | 5421 | 5399 | 5376 | 5349 | 5318 | 5317 | 5351 | 5336 |
| 52.5 | 5022 | 5011 | 4992 | 4966 | 4946 | 4939 | 4951 | 4948 | 4953 | 4922 |
| 55.0 | 4603 | 4587 | 4564 | 4538 | 4520 | 4515 | 4521 | 4568 | 4565 | 4532 |
| 57.5 | 4183 | 4163 | 4140 | 4115 | 4098 | 4090 | 4089 | 4123 | 4182 | 4129 |
| 60.0 | 3764 | 3742 | 3717 | 3696 | 3682 | 3668 | 3656 | 3671 | 3711 | 3710 |
| 62.5 | 3307 | 3293 | 3280 | 3279 | 3268 | 3249 | 3217 | 3216 | 3234 | 3220 |
| 65.0 | 2845 | 2832 | 2820 | 2821 | 2828 | 2828 | 2779 | 2760 | 2759 | 2740 |
| 67.5 | 2383 | 2372 | 2363 | 2366 | 2373 | 2376 | 2338 | 2308 | 2293 | 2272 |
| 70.0 | 1922 | 1914 | 1908 | 1913 | 1923 | 1926 | 1902 | 1883 | 1840 | 1811 |
| 72.5 | 1461 | 1457 | 1454 | 1463 | 1475 | 1483 | 1476 | 1473 | 1442 | 1388 |
| 75.0 | 1001 | 1000 | 1001 | 1014 | 1029 | 1047 | 1060 | 1075 | 1064 | 1038 |
| 77.5 | 516.2 | 532.2 | 551.7 | 576.6 | 596.9 | 616.6 | 651.6 | 685.5 | 703.9 | 705.7 |
| 80.0 | 29.01 | 62.68 | 105.4 | 154.7 | 205.0 | 253.2 | 297.0 | 329.8 | 357.3 | 392.3 |
| 82.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.38 | 100.7 | 138.6 |
| 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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8921 | 8923 | 8925 | 8927 | 8930 | 8934 | 8938 | 8934 | 8930 | 8927 |
| 5.0 | 8873 | 8877 | 8882 | 8887 | 8894 | 8901 | 8909 | 8901 | 8894 | 8887 |
| 7.5 | 8815 | 8818 | 8824 | 8833 | 8843 | 8854 | 8867 | 8854 | 8843 | 8832 |
| 10.0 | 8746 | 8750 | 8756 | 8765 | 8775 | 8789 | 8804 | 8788 | 8775 | 8763 |
| 12.5 | 8664 | 8666 | 8672 | 8680 | 8694 | 8710 | 8729 | 8710 | 8693 | 8679 |
| 15.0 | 8572 | 8570 | 8574 | 8583 | 8598 | 8618 | 8641 | 8617 | 8597 | 8582 |
| 17.5 | 8466 | 8461 | 8462 | 8469 | 8481 | 8500 | 8526 | 8500 | 8480 | 8467 |
| 20.0 | 8348 | 8336 | 8331 | 8334 | 8347 | 8368 | 8398 | 8368 | 8346 | 8333 |
| 22.5 | 8215 | 8197 | 8188 | 8188 | 8199 | 8221 | 8253 | 8220 | 8198 | 8186 |
| 25.0 | 8072 | 8047 | 8032 | 8027 | 8034 | 8055 | 8091 | 8056 | 8034 | 8025 |
| 27.5 | 7921 | 7883 | 7861 | 7849 | 7853 | 7874 | 7912 | 7874 | 7852 | 7847 |
| 30.0 | 7714 | 7706 | 7676 | 7653 | 7655 | 7677 | 7717 | 7675 | 7653 | 7652 |
| 32.5 | 7481 | 7515 | 7477 | 7446 | 7445 | 7462 | 7504 | 7461 | 7443 | 7443 |
| 35.0 | 7238 | 7264 | 7261 | 7228 | 7217 | 7232 | 7275 | 7230 | 7214 | 7225 |
| 37.5 | 6979 | 7002 | 7042 | 6993 | 6971 | 6982 | 7027 | 6981 | 6968 | 6989 |
| 40.0 | 6717 | 6723 | 6761 | 6739 | 6710 | 6717 | 6763 | 6714 | 6706 | 6734 |
| 42.5 | 6429 | 6402 | 6441 | 6471 | 6431 | 6432 | 6481 | 6427 | 6422 | 6464 |
| 45.0 | 6090 | 6050 | 6099 | 6175 | 6105 | 6103 | 6168 | 6102 | 6100 | 6161 |
| 47.5 | 5721 | 5695 | 5720 | 5769 | 5716 | 5706 | 5770 | 5708 | 5719 | 5770 |
| 50.0 | 5336 | 5324 | 5310 | 5338 | 5318 | 5296 | 5353 | 5301 | 5327 | 5347 |
| 52.5 | 4927 | 4944 | 4910 | 4922 | 4935 | 4904 | 4959 | 4911 | 4946 | 4938 |
| 55.0 | 4503 | 4541 | 4520 | 4516 | 4553 | 4509 | 4559 | 4513 | 4564 | 4527 |
| 57.5 | 4077 | 4105 | 4130 | 4083 | 4157 | 4100 | 4150 | 4102 | 4167 | 4085 |
| 60.0 | 3657 | 3664 | 3677 | 3641 | 3673 | 3630 | 3672 | 3631 | 3673 | 3639 |
| 62.5 | 3239 | 3194 | 3185 | 3186 | 3184 | 3170 | 3204 | 3169 | 3179 | 3180 |
| 65.0 | 2774 | 2724 | 2712 | 2728 | 2706 | 2696 | 2733 | 2692 | 2699 | 2707 |
| 67.5 | 2279 | 2274 | 2245 | 2238 | 2213 | 2219 | 2234 | 2213 | 2200 | 2220 |
| 70.0 | 1802 | 1806 | 1782 | 1769 | 1752 | 1754 | 1747 | 1741 | 1730 | 1744 |
| 72.5 | 1354 | 1355 | 1354 | 1323 | 1314 | 1319 | 1301 | 1302 | 1286 | 1287 |
| 75.0 | 975.0 | 936.5 | 948.1 | 929.5 | 920.0 | 911.5 | 902.2 | 892.3 | 885.4 | 883.3 |
| 77.5 | 677.6 | 616.4 | 601.5 | 600.0 | 580.8 | 571.6 | 564.5 | 551.5 | 550.4 | 562.6 |

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 80.0 | 403.3 | 385.2 | 349.9 | 341.8 | 330.5 | 321.6 | 313.4 | 308.5 | 312.7 | 319.3 |
| 82.5 | 156.1 | 178.6 | 187.2 | 168.8 | 155.7 | 146.9 | 147.0 | 139.8 | 144.6 | 156.3 |
| 85.0 | 0 | 32.29 | 52.01 | 69.81 | 51.23 | 37.96 | 32.82 | 31.45 | 45.47 | 64.15 |
| 87.5 | 0 | 0 | 0 | 0 | 10.27 | 10.39 | 7.038 | 8.453 | 8.644 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.029 | 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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8924 | 8922 | 8920 | 8919 | 8917 | 8913 | 8910 | 8908 | 8905 | 8903 |
| 5.0 | 8881 | 8876 | 8872 | 8869 | 8864 | 8859 | 8854 | 8852 | 8855 | 8858 |
| 7.5 | 8823 | 8817 | 8814 | 8812 | 8808 | 8803 | 8801 | 8802 | 8801 | 8798 |
| 10.0 | 8754 | 8748 | 8744 | 8742 | 8739 | 8735 | 8740 | 8743 | 8742 | 8746 |
| 12.5 | 8669 | 8664 | 8660 | 8658 | 8660 | 8665 | 8672 | 8673 | 8683 | 8687 |
| 15.0 | 8571 | 8568 | 8569 | 8569 | 8575 | 8582 | 8592 | 8605 | 8614 | 8627 |
| 17.5 | 8459 | 8458 | 8463 | 8469 | 8482 | 8495 | 8510 | 8526 | 8535 | 8523 |
| 20.0 | 8329 | 8334 | 8343 | 8358 | 8378 | 8399 | 8401 | 8383 | 8371 | 8367 |
| 22.5 | 8186 | 8194 | 8211 | 8235 | 8264 | 8244 | 8226 | 8215 | 8208 | 8205 |
| 25.0 | 8030 | 8045 | 8068 | 8101 | 8075 | 8058 | 8046 | 8038 | 8039 | 8040 |
| 27.5 | 7858 | 7883 | 7917 | 7896 | 7874 | 7861 | 7860 | 7861 | 7866 | 7876 |
| 30.0 | 7674 | 7703 | 7711 | 7681 | 7665 | 7661 | 7657 | 7677 | 7690 | 7707 |
| 32.5 | 7470 | 7512 | 7475 | 7454 | 7448 | 7451 | 7469 | 7491 | 7513 | 7537 |
| 35.0 | 7259 | 7257 | 7228 | 7218 | 7222 | 7240 | 7263 | 7295 | 7275 | 7255 |
| 37.5 | 7034 | 6995 | 6972 | 6971 | 6988 | 7018 | 7034 | 7000 | 6983 | 6977 |
| 40.0 | 6754 | 6706 | 6703 | 6717 | 6747 | 6758 | 6714 | 6687 | 6680 | 6689 |
| 42.5 | 6434 | 6388 | 6400 | 6450 | 6477 | 6417 | 6385 | 6371 | 6376 | 6398 |
| 45.0 | 6094 | 6048 | 6068 | 6151 | 6117 | 6070 | 6049 | 6050 | 6068 | 6103 |
| 47.5 | 5721 | 5701 | 5720 | 5750 | 5742 | 5715 | 5706 | 5724 | 5756 | 5804 |
| 50.0 | 5323 | 5338 | 5356 | 5341 | 5358 | 5358 | 5362 | 5393 | 5399 | 5390 |
| 52.5 | 4926 | 4967 | 4947 | 4947 | 4977 | 4998 | 5012 | 4983 | 4966 | 4960 |
| 55.0 | 4536 | 4563 | 4519 | 4551 | 4603 | 4628 | 4569 | 4544 | 4534 | 4534 |
| 57.5 | 4135 | 4117 | 4090 | 4137 | 4220 | 4161 | 4118 | 4109 | 4105 | 4109 |
| 60.0 | 3668 | 3667 | 3665 | 3714 | 3726 | 3688 | 3664 | 3673 | 3673 | 3685 |
| 62.5 | 3176 | 3183 | 3237 | 3214 | 3228 | 3215 | 3206 | 3237 | 3252 | 3261 |
| 65.0 | 2698 | 2710 | 2762 | 2724 | 2735 | 2742 | 2750 | 2797 | 2804 | 2796 |
| 67.5 | 2214 | 2250 | 2251 | 2241 | 2250 | 2273 | 2299 | 2338 | 2342 | 2334 |
| 70.0 | 1747 | 1775 | 1765 | 1768 | 1786 | 1846 | 1862 | 1883 | 1884 | 1874 |
| 72.5 | 1311 | 1314 | 1310 | 1340 | 1394 | 1435 | 1435 | 1437 | 1430 | 1416 |
| 75.0 | 908.9 | 894.4 | 930.7 | 993.3 | 1022 | 1034 | 1016 | 999.0 | 978.6 | 959.8 |
| 77.5 | 565.8 | 577.8 | 643.1 | 668.1 | 666.9 | 645.1 | 604.4 | 567.5 | 549.1 | 533.4 |
| 80.0 | 323.4 | 358.9 | 379.4 | 363.5 | 325.4 | 298.8 | 268.7 | 232.6 | 188.6 | 143.1 |
| 82.5 | 173.8 | 164.6 | 142.7 | 124.3 | 90.83 | 40.14 | 0 | 0 | 0 | 0 |
| 85.0 | 49.40 | 29.53 | 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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8904 | 8905 | 8907 | 8909 | 8912 | 8911 | 8910 | 8910 | 8910 | 8910 |
| 5.0 | 8857 | 8854 | 8854 | 8858 | 8863 | 8861 | 8859 | 8859 | 8860 | 8861 |
| 7.5 | 8801 | 8807 | 8805 | 8807 | 8813 | 8811 | 8809 | 8810 | 8812 | 8815 |
| 10.0 | 8746 | 8751 | 8757 | 8756 | 8764 | 8761 | 8760 | 8762 | 8763 | 8763 |
| 12.5 | 8693 | 8696 | 8706 | 8707 | 8715 | 8711 | 8711 | 8712 | 8711 | 8712 |
| 15.0 | 8635 | 8645 | 8652 | 8659 | 8665 | 8662 | 8663 | 8660 | 8661 | 8652 |
| 17.5 | 8519 | 8513 | 8509 | 8514 | 8518 | 8517 | 8525 | 8534 | 8544 | 8554 |
| 20.0 | 8362 | 8361 | 8359 | 8366 | 8370 | 8371 | 8377 | 8388 | 8392 | 8404 |
| 22.5 | 8205 | 8209 | 8210 | 8219 | 8223 | 8224 | 8230 | 8237 | 8241 | 8249 |
| 25.0 | 8047 | 8055 | 8060 | 8070 | 8075 | 8077 | 8082 | 8087 | 8088 | 8091 |
| 27.5 | 7889 | 7900 | 7909 | 7919 | 7928 | 7930 | 7934 | 7934 | 7932 | 7932 |
| 30.0 | 7723 | 7742 | 7758 | 7768 | 7780 | 7783 | 7785 | 7783 | 7775 | 7768 |
| 32.5 | 7522 | 7515 | 7517 | 7516 | 7527 | 7534 | 7546 | 7560 | 7577 | 7605 |
| 35.0 | 7253 | 7254 | 7258 | 7260 | 7273 | 7280 | 7289 | 7296 | 7307 | 7323 |
| 37.5 | 6979 | 6991 | 6999 | 7006 | 7020 | 7027 | 7030 | 7030 | 7032 | 7037 |
| 40.0 | 6705 | 6722 | 6739 | 6752 | 6766 | 6772 | 6770 | 6763 | 6754 | 6748 |
| 42.5 | 6426 | 6454 | 6480 | 6498 | 6513 | 6517 | 6511 | 6495 | 6472 | 6450 |
| 45.0 | 6143 | 6188 | 6219 | 6244 | 6259 | 6262 | 6251 | 6224 | 6186 | 6149 |
| 47.5 | 5822 | 5829 | 5828 | 5836 | 5844 | 5853 | 5858 | 5861 | 5858 | 5846 |
| 50.0 | 5396 | 5404 | 5410 | 5420 | 5428 | 5436 | 5438 | 5438 | 5432 | 5427 |
| 52.5 | 4970 | 4981 | 4993 | 5004 | 5013 | 5019 | 5018 | 5015 | 5006 | 5000 |
| 55.0 | 4546 | 4560 | 4575 | 4588 | 4597 | 4602 | 4598 | 4593 | 4580 | 4576 |
| 57.5 | 4121 | 4139 | 4157 | 4172 | 4182 | 4184 | 4179 | 4171 | 4158 | 4156 |
| 60.0 | 3698 | 3719 | 3739 | 3756 | 3767 | 3767 | 3759 | 3750 | 3737 | 3737 |
| 62.5 | 3260 | 3268 | 3278 | 3290 | 3297 | 3300 | 3299 | 3299 | 3299 | 3317 |
| 65.0 | 2795 | 2801 | 2811 | 2821 | 2828 | 2831 | 2833 | 2835 | 2835 | 2854 |
| 67.5 | 2330 | 2334 | 2345 | 2353 | 2359 | 2363 | 2367 | 2371 | 2373 | 2393 |
| 70.0 | 1866 | 1868 | 1878 | 1885 | 1890 | 1896 | 1902 | 1907 | 1912 | 1932 |

H(β) Range:-90 - 90DEGH(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72.5 | 1404 | 1403 | 1412 | 1418 | 1421 | 1428 | 1437 | 1444 | 1451 | 1473 |
| 75.0 | 943.4 | 938.5 | 946.4 | 950.2 | 951.4 | 960.8 | 971.7 | 981.3 | 992.0 | 1015 |
| 77.5 | 512.1 | 495.2 | 486.2 | 478.6 | 475.7 | 484.0 | 500.1 | 520.5 | 544.5 | 573.6 |
| 80.0 | 97.85 | 58.31 | 27.31 | 7.033 | 0 | 7.114 | 28.11 | 61.30 | 104.1 | 153.9 |
| 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 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 | 8962 |
| 2.5 | 8911 | 8912 | 8914 | 8916 | 8918 | 8921 | 8925 | 8928 | 8932 | 8936 |
| 5.0 | 8865 | 8869 | 8872 | 8876 | 8880 | 8884 | 8890 | 8895 | 8901 | 8908 |
| 7.5 | 8817 | 8819 | 8823 | 8826 | 8830 | 8835 | 8841 | 8848 | 8857 | 8866 |
| 10.0 | 8766 | 8765 | 8766 | 8768 | 8771 | 8776 | 8780 | 8787 | 8796 | 8807 |
| 12.5 | 8707 | 8704 | 8704 | 8703 | 8703 | 8705 | 8710 | 8714 | 8721 | 8731 |
| 15.0 | 8646 | 8641 | 8635 | 8631 | 8626 | 8622 | 8624 | 8627 | 8633 | 8645 |
| 17.5 | 8572 | 8572 | 8561 | 8547 | 8538 | 8531 | 8527 | 8527 | 8530 | 8539 |
| 20.0 | 8418 | 8435 | 8454 | 8460 | 8441 | 8426 | 8415 | 8411 | 8407 | 8414 |
| 22.5 | 8261 | 8271 | 8288 | 8309 | 8333 | 8310 | 8289 | 8279 | 8274 | 8281 |
| 25.0 | 8095 | 8104 | 8115 | 8131 | 8150 | 8183 | 8157 | 8136 | 8124 | 8126 |
| 27.5 | 7930 | 7930 | 7935 | 7942 | 7960 | 7989 | 8008 | 7979 | 7964 | 7958 |
| 30.0 | 7759 | 7754 | 7749 | 7751 | 7760 | 7782 | 7814 | 7814 | 7787 | 7778 |
| 32.5 | 7587 | 7571 | 7562 | 7554 | 7555 | 7567 | 7591 | 7635 | 7597 | 7578 |
| 35.0 | 7352 | 7390 | 7368 | 7351 | 7341 | 7341 | 7356 | 7391 | 7393 | 7362 |
| 37.5 | 7054 | 7090 | 7139 | 7138 | 7116 | 7104 | 7110 | 7134 | 7174 | 7136 |
| 40.0 | 6750 | 6774 | 6818 | 6881 | 6886 | 6861 | 6852 | 6863 | 6902 | 6888 |
| 42.5 | 6440 | 6446 | 6481 | 6536 | 6621 | 6608 | 6574 | 6549 | 6590 | 6623 |
| 45.0 | 6121 | 6119 | 6132 | 6176 | 6254 | 6337 | 6240 | 6204 | 6253 | 6334 |
| 47.5 | 5801 | 5779 | 5781 | 5813 | 5878 | 5918 | 5877 | 5854 | 5885 | 5932 |
| 50.0 | 5437 | 5438 | 5421 | 5445 | 5489 | 5482 | 5498 | 5487 | 5472 | 5492 |
| 52.5 | 5009 | 5027 | 5059 | 5077 | 5087 | 5068 | 5085 | 5106 | 5065 | 5072 |
| 55.0 | 4584 | 4593 | 4623 | 4696 | 4695 | 4676 | 4654 | 4695 | 4675 | 4664 |
| 57.5 | 4161 | 4163 | 4188 | 4239 | 4307 | 4276 | 4210 | 4245 | 4291 | 4240 |
| 60.0 | 3739 | 3734 | 3750 | 3771 | 3823 | 3846 | 3770 | 3792 | 3853 | 3779 |
| 62.5 | 3317 | 3307 | 3306 | 3299 | 3336 | 3328 | 3332 | 3332 | 3309 | 3311 |
| 65.0 | 2869 | 2876 | 2858 | 2828 | 2844 | 2826 | 2854 | 2839 | 2806 | 2851 |
| 67.5 | 2406 | 2418 | 2402 | 2357 | 2362 | 2335 | 2360 | 2342 | 2330 | 2320 |
| 70.0 | 1948 | 1963 | 1950 | 1923 | 1902 | 1856 | 1874 | 1861 | 1846 | 1823 |
| 72.5 | 1493 | 1513 | 1511 | 1507 | 1499 | 1422 | 1403 | 1415 | 1384 | 1374 |
| 75.0 | 1040 | 1067 | 1084 | 1103 | 1107 | 1070 | 1015 | 997.1 | 993.0 | 976.7 |
| 77.5 | 601.3 | 626.6 | 666.5 | 708.2 | 735.0 | 737.0 | 718.0 | 667.5 | 649.9 | 648.5 |
| 80.0 | 206.4 | 257.7 | 304.4 | 345.5 | 380.9 | 423.2 | 443.8 | 431.9 | 395.0 | 388.9 |
| 82.5 | 0 | 0 | 0 | 46.45 | 108.1 | 155.9 | 191.1 | 220.1 | 219.9 | 205.0 |
| 85.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.26 | 69.40 | 90.34 |
| 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 | 8962 | 8962 | | | | | | | | |
| 2.5 | 8940 | 8944 | | | | | | | | |
| 5.0 | 8916 | 8923 | | | | | | | | |
| 7.5 | 8876 | 8887 | | | | | | | | |
| 10.0 | 8820 | 8834 | | | | | | | | |
| 12.5 | 8746 | 8764 | | | | | | | | |
| 15.0 | 8661 | 8682 | | | | | | | | |
| 17.5 | 8555 | 8577 | | | | | | | | |
| 20.0 | 8431 | 8455 | | | | | | | | |
| 22.5 | 8295 | 8319 | | | | | | | | |
| 25.0 | 8138 | 8164 | | | | | | | | |
| 27.5 | 7964 | 7987 | | | | | | | | |
| 30.0 | 7781 | 7803 | | | | | | | | |
| 32.5 | 7576 | 7599 | | | | | | | | |
| 35.0 | 7356 | 7377 | | | | | | | | |
| 37.5 | 7120 | 7138 | | | | | | | | |
| 40.0 | 6866 | 6881 | | | | | | | | |
| 42.5 | 6592 | 6601 | | | | | | | | |
| 45.0 | 6277 | 6284 | | | | | | | | |
| 47.5 | 5886 | 5884 | | | | | | | | |
| 50.0 | 5471 | 5459 | | | | | | | | |
| 52.5 | 5080 | 5055 | | | | | | | | |
| 55.0 | 4691 | 4658 | | | | | | | | |
| 57.5 | 4295 | 4254 | | | | | | | | |
| 60.0 | 3824 | 3786 | | | | | | | | |
| 62.5 | 3294 | 3281 | | | | | | | | |

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Jessy

Test Date:2024-10-14

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

Humidity:65%

Test Distance:6.938m [K=1.0000]

Remarks:

Photometric Data Table [cd]

| | | |
|------|-------|-------|
| 65.0 | 2797 | 2819 |
| 67.5 | 2300 | 2292 |
| 70.0 | 1811 | 1830 |
| 72.5 | 1366 | 1354 |
| 75.0 | 964.8 | 957.8 |
| 77.5 | 634.3 | 626.8 |
| 80.0 | 378.8 | 375.8 |
| 82.5 | 195.5 | 186.1 |
| 85.0 | 67.99 | 38.19 |
| 87.5 | 17.53 | 13.10 |
| 90.0 | 0 | 0 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jessy
Test Date:2024-10-14

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65%
Test Distance:6.938m [K=1.0000]
Remarks: