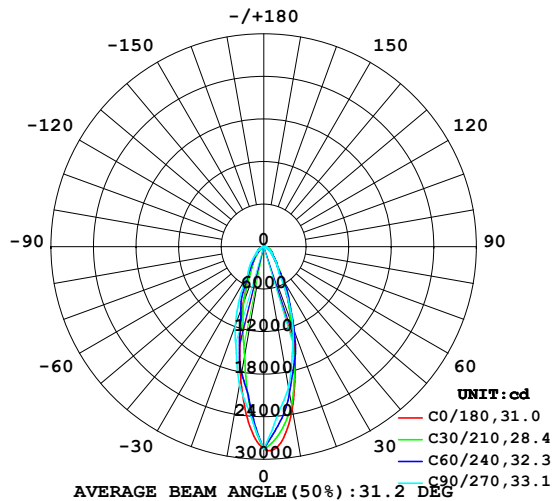


LUMINAIRE PHOTOMETRIC TEST REPORT

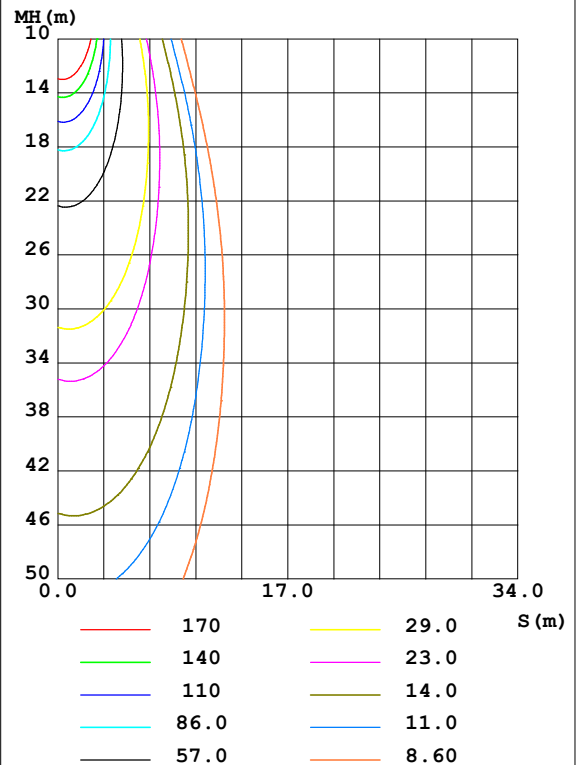
| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 145.97 lm/W | | | |
|------------------|----------|-----------------------------------|--------|-------------------|----------|
| MODEL | GSM-15-U | I _{max} (cd) | 28792 | S/MH(C0/180) | 0.45 |
| NOMINAL POWER(W) | 100W | LOR(%) | 100.0 | S/MH(C90/270) | 0.51 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 14770 | η UP,DN(C0-180) | 0.0,50.4 |
| NOMINAL FLUX(lm) | 14770 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,49.6 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 120 | η down(%) | 100.0 | CIBSE SHR MAX | 0.60 |

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:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [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 | 2319 | 2165 | 2020 | 1689 | 1881 | 1680 | 1982 | 2145 | 0- 10 | 2173 | 2173 | 14.7,14.7 |
| 20 | 1176 | 1264 | 1213 | 808.7 | 847.4 | 822.3 | 1183 | 1255 | 10- 20 | 4065 | 6237 | 42.2,42.2 |
| 30 | 512.2 | 560.7 | 432.5 | 392.8 | 358.8 | 402.1 | 458.1 | 572.1 | 20- 30 | 3314 | 9551 | 64.7,64.7 |
| 40 | 243.1 | 243.5 | 254.3 | 197.0 | 191.3 | 199.0 | 266.0 | 248.5 | 30- 40 | 2028 | 11578 | 78.4,78.4 |
| 50 | 149.2 | 148.1 | 138.4 | 126.8 | 123.9 | 123.8 | 138.4 | 146.5 | 40- 50 | 1367 | 12946 | 87.6,87.6 |
| 60 | 94.23 | 92.48 | 84.96 | 77.91 | 78.57 | 71.36 | 75.50 | 86.20 | 50- 60 | 967.3 | 13913 | 94.2,94.2 |
| 70 | 49.46 | 49.99 | 44.77 | 36.34 | 37.61 | 29.83 | 35.91 | 42.21 | 60- 70 | 599.9 | 14513 | 98.3,98.3 |
| 80 | 13.86 | 13.29 | 0 | 5.562 | 7.273 | 3.227 | 0 | 8.973 | 70- 80 | 241.2 | 14754 | 99.9,99.9 |
| 90 | 0.1281 | 0 | 0 | 0 | 0.2059 | 0 | 0 | 0 | 80- 90 | 16.07 | 14770 | 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): 12327 lm

%lum = 83.5%

%lamp = 83.5%

Conical surface Flux(120deg): 13913 lm

%lum = 94.2%

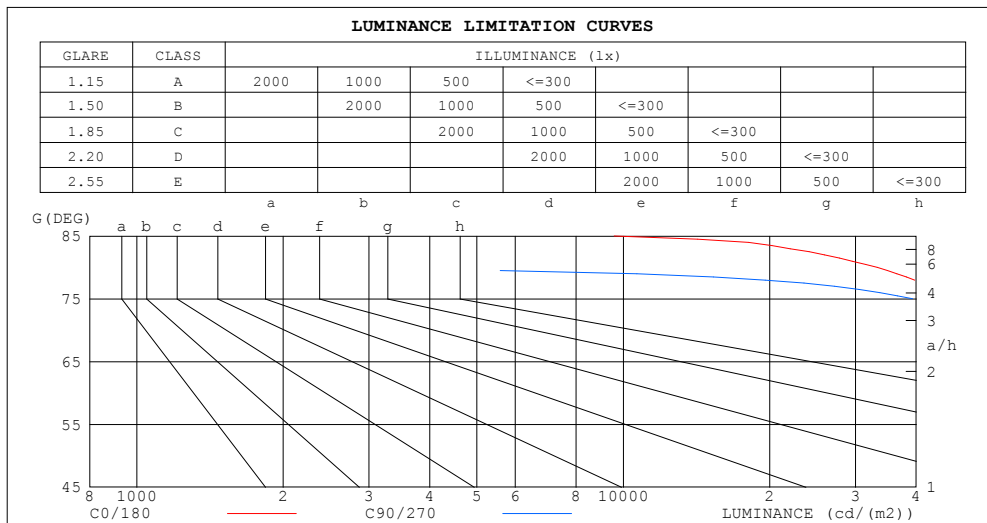
%lamp = 94.2%

$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Gu
 Test Date:2025-03-17

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.448m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | 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 | 9572 | 0 |
| 80 | 33254 | 0 |
| 75 | 48469 | 39328 |
| 70 | 60250 | 54544 |
| 65 | 70298 | 63597 |
| 60 | 78527 | 70800 |
| 55 | 86524 | 80687 |
| 50 | 96683 | 89740 |
| 45 | 109983 | 96715 |

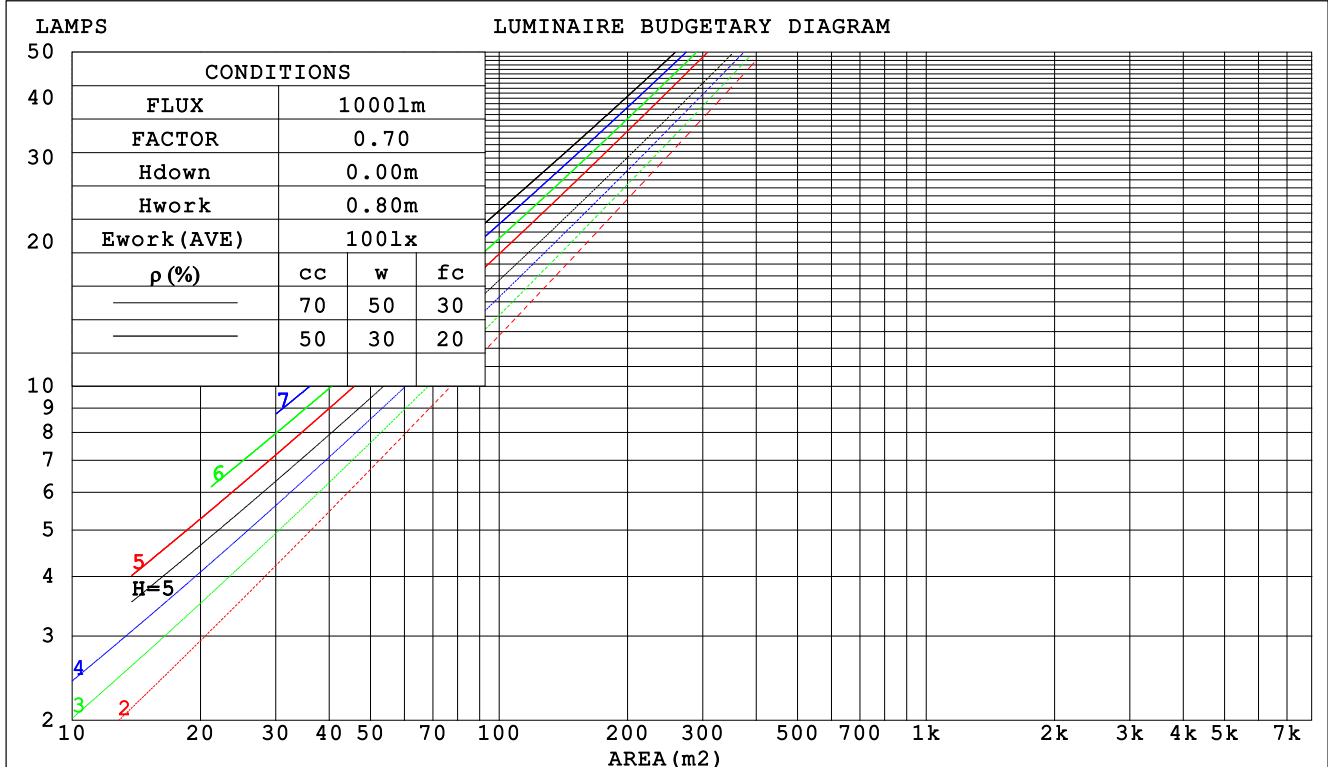
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | 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 | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| 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 | .00 |
| 1.0 | 1.10 | 1.07 | 1.04 | 1.07 | 1.05 | 1.03 | 1.03 | 1.01 | .99 | .00 | .98 | .96 | .96 | .95 | .94 | .92 |
| 2.0 | 1.01 | .96 | .92 | .99 | .95 | .91 | .96 | .92 | .89 | .93 | .90 | .87 | .90 | .88 | .86 | .84 |
| 3.0 | .93 | .88 | .83 | .92 | .87 | .82 | .89 | .85 | .81 | .87 | .83 | .80 | .84 | .81 | .79 | .77 |
| 4.0 | .86 | .80 | .76 | .85 | .80 | .75 | .83 | .78 | .74 | .81 | .77 | .73 | .79 | .76 | .73 | .71 |
| 5.0 | .81 | .74 | .70 | .80 | .74 | .69 | .78 | .73 | .69 | .76 | .72 | .68 | .75 | .71 | .68 | .66 |
| 6.0 | .76 | .69 | .65 | .75 | .69 | .64 | .73 | .68 | .64 | .72 | .67 | .64 | .70 | .66 | .63 | .62 |
| 7.0 | .71 | .65 | .60 | .70 | .64 | .60 | .69 | .64 | .60 | .68 | .63 | .60 | .67 | .62 | .59 | .58 |
| 8.0 | .67 | .61 | .57 | .67 | .61 | .57 | .66 | .60 | .56 | .64 | .60 | .56 | .63 | .59 | .56 | .54 |
| 9.0 | .64 | .58 | .53 | .63 | .57 | .53 | .62 | .57 | .53 | .61 | .56 | .53 | .60 | .56 | .53 | .51 |
| 10.0 | .61 | .55 | .51 | .60 | .54 | .51 | .59 | .54 | .50 | .58 | .54 | .50 | .58 | .53 | .50 | .49 |



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .201 | .114 | .036 | .194 | .111 | .035 | .181 | .104 | .033 | .170 | .098 | .031 | .159 | .092 | .030 | | |
| 2.0 | .193 | .106 | .032 | .187 | .103 | .032 | .176 | .098 | .030 | .166 | .093 | .029 | .157 | .089 | .028 | | |
| 3.0 | .182 | .097 | .029 | .177 | .095 | .029 | .168 | .091 | .028 | .159 | .087 | .027 | .151 | .084 | .026 | | |
| 4.0 | .171 | .089 | .026 | .167 | .087 | .026 | .159 | .084 | .025 | .151 | .081 | .025 | .144 | .078 | .024 | | |
| 5.0 | .161 | .082 | .024 | .157 | .081 | .024 | .150 | .078 | .023 | .144 | .076 | .023 | .138 | .074 | .022 | | |
| 6.0 | .152 | .076 | .022 | .149 | .075 | .022 | .142 | .073 | .021 | .137 | .071 | .021 | .131 | .069 | .021 | | |
| 7.0 | .144 | .071 | .020 | .141 | .070 | .020 | .135 | .068 | .020 | .130 | .067 | .019 | .125 | .065 | .019 | | |
| 8.0 | .136 | .066 | .019 | .133 | .066 | .019 | .129 | .064 | .018 | .124 | .063 | .018 | .120 | .061 | .018 | | |
| 9.0 | .129 | .062 | .017 | .127 | .062 | .017 | .122 | .061 | .017 | .118 | .059 | .017 | .114 | .058 | .017 | | |
| 10.0 | .123 | .059 | .016 | .121 | .058 | .016 | .117 | .057 | .016 | .113 | .056 | .016 | .110 | .055 | .016 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 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 | .173 | .157 | .143 | .148 | .135 | .123 | .101 | .093 | .085 | .058 | .054 | .049 | .019 | .017 | .016 | |
| 2.0 | .159 | .132 | .110 | .136 | .114 | .095 | .093 | .079 | .066 | .054 | .046 | .039 | .017 | .015 | .013 | |
| 3.0 | .148 | .114 | .087 | .126 | .098 | .075 | .087 | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 | |
| 4.0 | .138 | .099 | .070 | .118 | .086 | .061 | .081 | .060 | .043 | .047 | .035 | .025 | .015 | .011 | .008 | |
| 5.0 | .129 | .088 | .057 | .111 | .076 | .050 | .076 | .053 | .035 | .044 | .031 | .021 | .014 | .010 | .007 | |
| 6.0 | .121 | .079 | .048 | .104 | .068 | .042 | .072 | .048 | .030 | .042 | .028 | .018 | .013 | .009 | .006 | |
| 7.0 | .115 | .071 | .041 | .099 | .062 | .036 | .068 | .043 | .025 | .040 | .025 | .015 | .013 | .008 | .005 | |
| 8.0 | .108 | .065 | .035 | .093 | .056 | .031 | .065 | .040 | .022 | .038 | .023 | .013 | .012 | .008 | .004 | |
| 9.0 | .103 | .060 | .031 | .089 | .052 | .027 | .061 | .036 | .019 | .036 | .022 | .011 | .012 | .007 | .004 | |
| 10.0 | .098 | .055 | .027 | .084 | .048 | .023 | .059 | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------------|----------------|------|---------------------|------|------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | | | | | | | | | |
| NAME: GSM-15-U | | | | | TYPE:Flood Light | | | WEIGHT:N/A | | |
| SPEC.:100W/5000K/30° | | | | | DIM.: 190*150mm | | | 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 | 17.0 | 18.0 | 17.2 | 18.2 | 18.4 | 16.6 | 17.6 | 16.8 | 17.8 | 18.0 |
| 3H | 18.0 | 18.9 | 18.2 | 19.1 | 19.3 | 17.4 | 18.4 | 17.7 | 18.6 | 18.8 |
| 4H | 18.3 | 19.2 | 18.6 | 19.5 | 19.7 | 17.7 | 18.6 | 18.0 | 18.8 | 19.0 |
| 6H | 18.5 | 19.3 | 18.8 | 19.6 | 19.8 | 17.6 | 18.5 | 17.9 | 18.7 | 19.0 |
| 8H | 18.5 | 19.3 | 18.8 | 19.6 | 19.9 | 17.6 | 18.4 | 17.9 | 18.7 | 18.9 |
| 12H | 18.5 | 19.3 | 18.8 | 19.5 | 19.8 | 17.5 | 18.3 | 17.9 | 18.6 | 18.9 |
| 4H 2H | 17.4 | 18.3 | 17.6 | 18.5 | 18.7 | 17.0 | 17.9 | 17.3 | 18.1 | 18.4 |
| 3H | 18.5 | 19.3 | 18.8 | 19.6 | 19.9 | 18.0 | 18.8 | 18.4 | 19.1 | 19.4 |
| 4H | 19.0 | 19.7 | 19.3 | 20.0 | 20.3 | 18.4 | 19.1 | 18.7 | 19.4 | 19.7 |
| 6H | 19.2 | 19.8 | 19.6 | 20.2 | 20.5 | 18.3 | 19.0 | 18.7 | 19.3 | 19.7 |
| 8H | 19.2 | 19.8 | 19.6 | 20.2 | 20.6 | 18.3 | 18.9 | 18.7 | 19.2 | 19.6 |
| 12H | 19.2 | 19.8 | 19.7 | 20.2 | 20.6 | 18.2 | 18.8 | 18.7 | 19.2 | 19.6 |
| 8H 4H | 19.0 | 19.6 | 19.4 | 20.0 | 20.4 | 18.5 | 19.1 | 18.9 | 19.4 | 19.8 |
| 6H | 19.4 | 19.9 | 19.8 | 20.3 | 20.7 | 18.5 | 19.0 | 18.9 | 19.4 | 19.8 |
| 8H | 19.5 | 19.9 | 19.9 | 20.3 | 20.7 | 18.4 | 18.9 | 18.9 | 19.3 | 19.7 |
| 12H | 19.5 | 19.8 | 19.9 | 20.3 | 20.8 | 18.4 | 18.8 | 18.9 | 19.2 | 19.7 |
| 12H 4H | 19.0 | 19.5 | 19.4 | 19.9 | 20.3 | 18.5 | 19.0 | 18.9 | 19.4 | 19.8 |
| 6H | 19.3 | 19.8 | 19.8 | 20.2 | 20.6 | 18.5 | 18.9 | 18.9 | 19.3 | 19.8 |
| 8H | 19.4 | 19.8 | 19.9 | 20.2 | 20.7 | 18.4 | 18.8 | 18.9 | 19.2 | 19.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.7 | | | | | + 0.5 / - 0.7 | | | | |
| 1.5H | + 0.4 / - 0.6 | | | | | + 0.7 / - 0.6 | | | | |
| 2.0H | + 0.7 / - 0.7 | | | | | + 0.5 / - 0.8 | | | | |

CIE Pub.117, 14770 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.4)
Area: 0.024 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

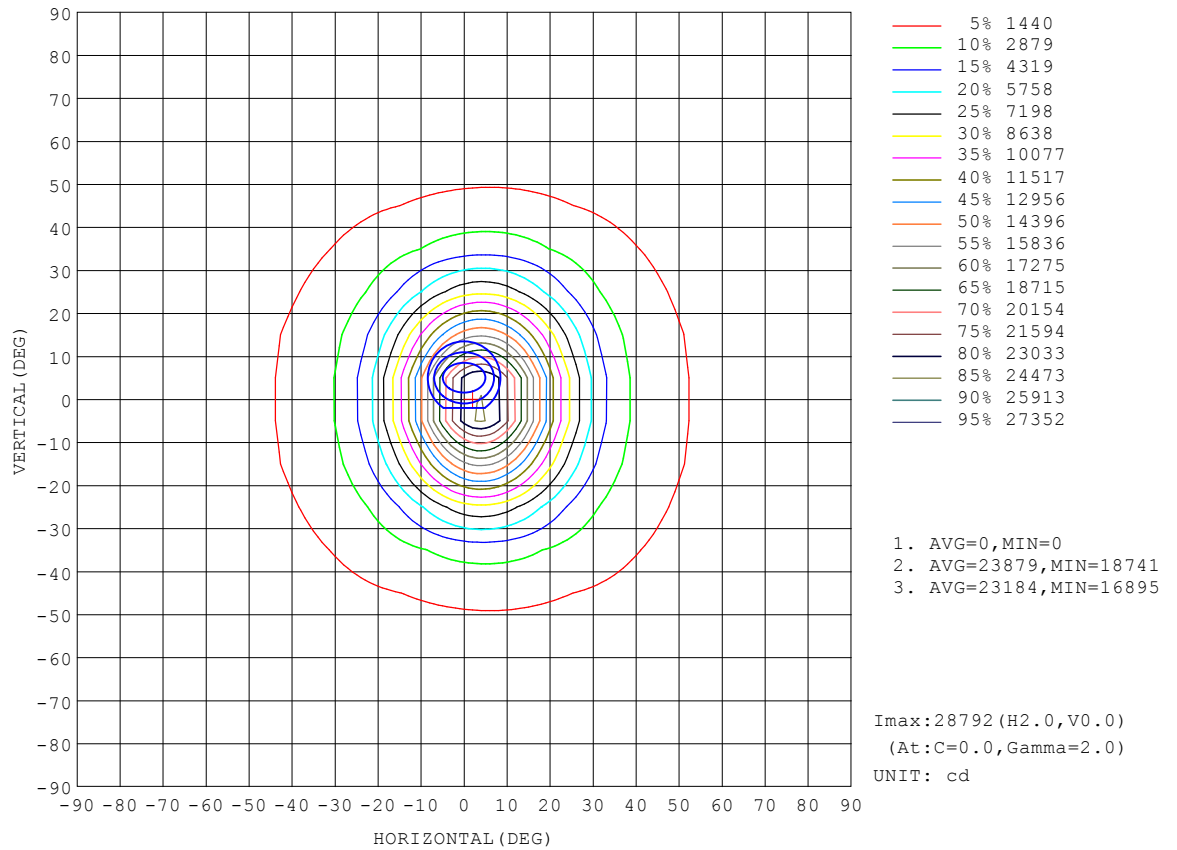
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 78 | 70 | 65 | 77 | 70 | 65 | 77 | 69 | 65 | 61 |
| 0.80 | 86 | 79 | 74 | 86 | 78 | 74 | 84 | 78 | 73 | 69 |
| 1.00 | 92 | 85 | 80 | 91 | 85 | 80 | 90 | 85 | 80 | 75 |
| 1.25 | 97 | 91 | 86 | 96 | 90 | 86 | 94 | 89 | 85 | 80 |
| 1.50 | 101 | 95 | 90 | 99 | 94 | 90 | 97 | 92 | 89 | 83 |
| 2.00 | 105 | 99 | 95 | 103 | 98 | 95 | 100 | 96 | 93 | 87 |
| 2.50 | 107 | 102 | 98 | 105 | 101 | 98 | 102 | 99 | 96 | 89 |
| 3.00 | 109 | 105 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 91 |
| 4.00 | 112 | 108 | 105 | 110 | 107 | 104 | 106 | 103 | 101 | 94 |
| 5.00 | 113 | 110 | 108 | 111 | 109 | 106 | 107 | 105 | 103 | 95 |
| 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:Gu
 Test Date:2025-03-17

$V(B)$ Range:-75 - 75DEG
 $V(B)$ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.448m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

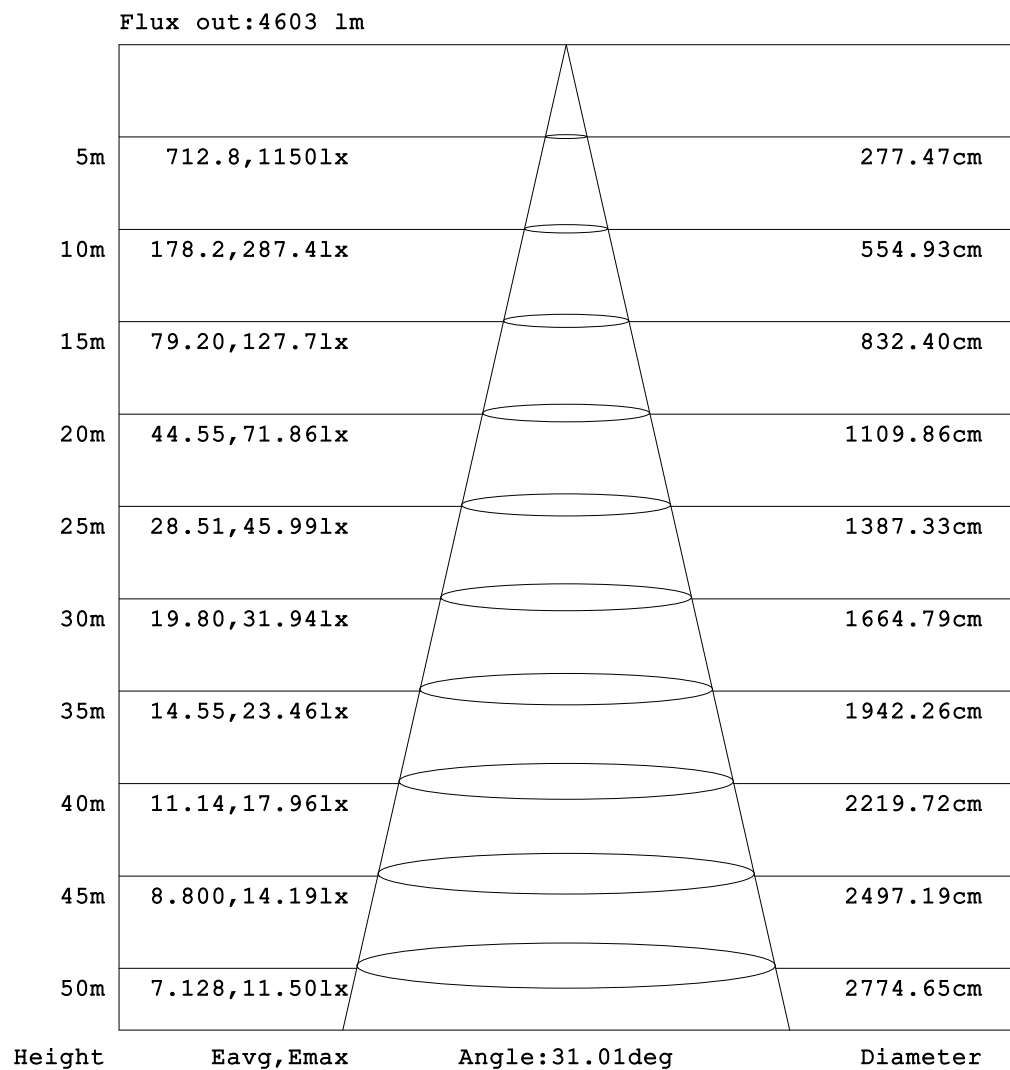


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |



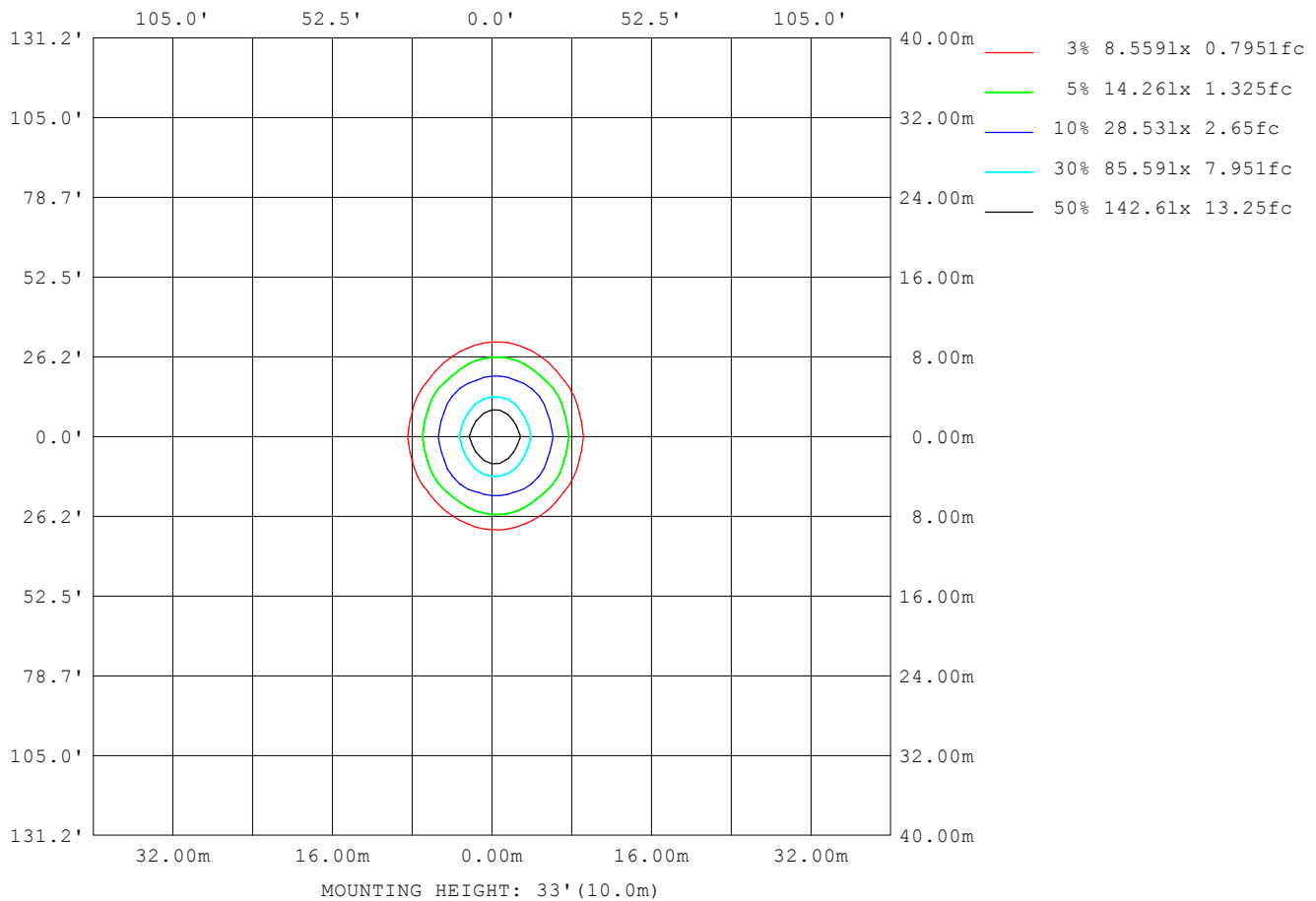
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | 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:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|------------------|---------------------|
| Test:U:120.89V I:0.8387A P:101.18W PF:0.9980 Freq:59.98Hz Lamp Flux:14770x1 lm | | |
| NAME: GSM-15-U | TYPE:Flood Light | WEIGHT:N/A |
| SPEC.:100W/5000K/30° | DIM.: 190*150mm | SERIAL No.:N/A |
| MFR.: Grin Industrial Co., Ltd. | SUR.:N/A | Shielding Angle:N/A |

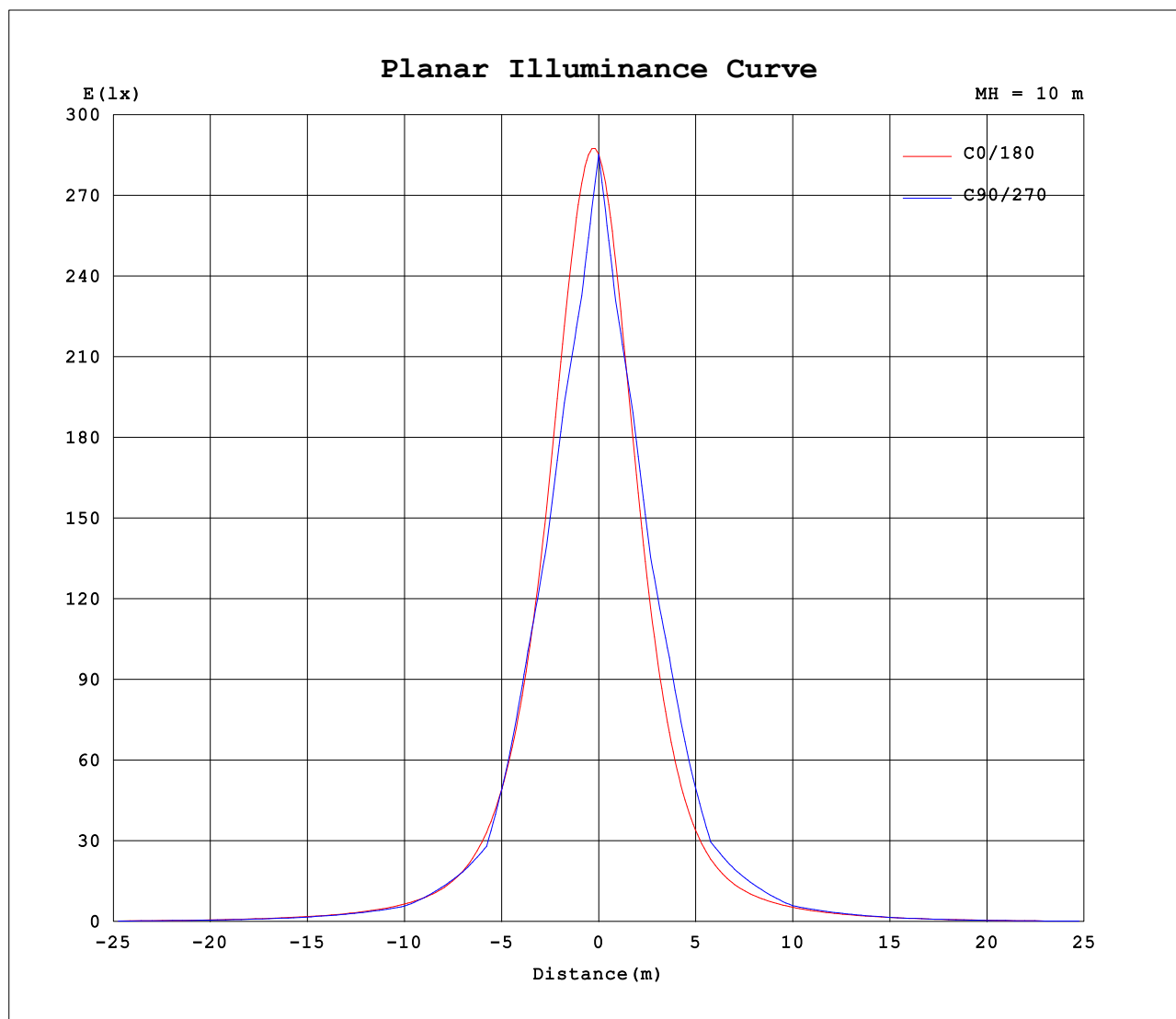
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 63358 |
| L_0~180 (75) av | 40780 |
| L_0~180 (85) av | 6451 |
| L_90~270 (65) av | 59066 |
| L_90~270 (75) av | 32446 |
| L_90~270 (85) av | 0 |
| L_45 (65) av | 58366 |
| L_45 (75) av | 37317 |
| L_45 (85) av | 0 |

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Gu
Test Date:2025-03-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:

```
V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:
```

```
V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:
```

```
V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks:
```

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.448m [K=1.0000]
Remarks: