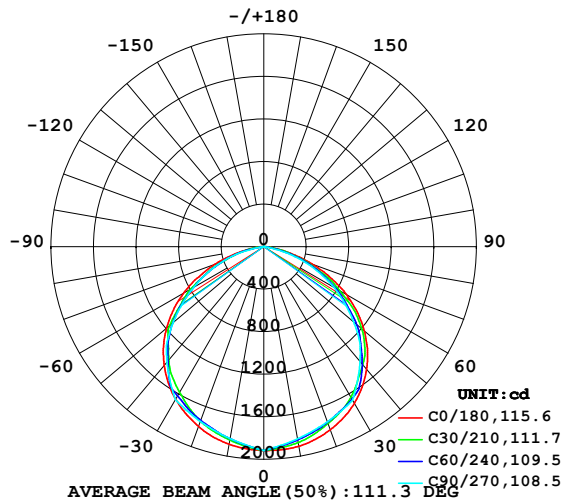


## LUMINAIRE PHOTOMETRIC TEST REPORT

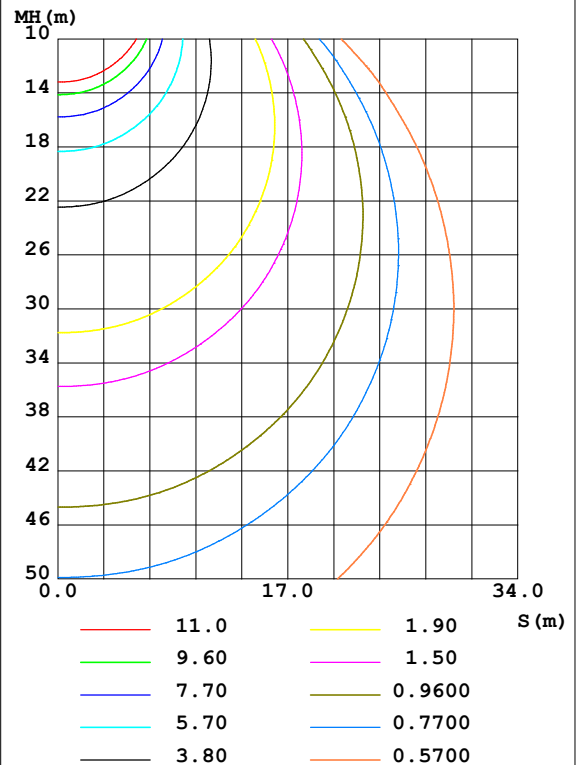
|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 163.59 lm/W |        |                   |          |
|------------------|-----------|-----------------------------------|--------|-------------------|----------|
| MODEL            | GHLV-05-U | I <sub>max</sub> (cd)             | 1917   | S/MH(C0/180)      | 1.29     |
| NOMINAL POWER(W) | 30        | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.28     |
| RATED VOLTAGE(V) | 120       | TOTAL FLUX(lm)                    | 5192.2 | □ UP,DN(C0-180)   | 0.0,49.9 |
| NOMINAL FLUX(lm) | 5192.16   | CIE CLASS                         | DIRECT | □ UP,DN(C180-360) | 0.0,50.1 |
| LAMPS INSIDE     | 1         | □ up(%)                           | 0.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 120       | □ down(%)                         | 100.0  | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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:7.058m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| °   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | °       | □ zone  | □ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10  | 1905                  | 1855  | 1835  | 1839  | 1886  | 1838  | 1833  | 1855  | 0- 10   | 179.1   | 179.1   | 3.45,3.45  |
| 20  | 1832                  | 1762  | 1752  | 1733  | 1798  | 1734  | 1749  | 1763  | 10- 20  | 511.3   | 690.4   | 13.3,13.3  |
| 30  | 1703                  | 1640  | 1669  | 1606  | 1659  | 1599  | 1662  | 1639  | 20- 30  | 785.6   | 1476    | 28.4,28.4  |
| 40  | 1505                  | 1478  | 1410  | 1447  | 1458  | 1432  | 1416  | 1471  | 30- 40  | 964.5   | 2441    | 47,47      |
| 50  | 1235                  | 1148  | 1106  | 1131  | 1193  | 1125  | 1114  | 1156  | 40- 50  | 997.7   | 3438    | 66.2,66.2  |
| 60  | 894.3                 | 787.4 | 757.5 | 776.3 | 866.1 | 771.3 | 755.3 | 800.8 | 50- 60  | 868.0   | 4306    | 82.9,82.9  |
| 70  | 489.2                 | 419.5 | 386.8 | 407.4 | 491.2 | 412.8 | 415.9 | 437.2 | 60- 70  | 600.6   | 4907    | 94.5,94.5  |
| 80  | 123.3                 | 93.67 | 0     | 89.89 | 136.8 | 104.4 | 0     | 118.7 | 70- 80  | 264.3   | 5171    | 99.6,99.6  |
| 90  | 1.378                 | 0     | 0     | 0     | 1.549 | 0     | 0     | 0     | 80- 90  | 20.90   | 5192    | 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): 2944.9 lm

%lum = 56.7%

%lamp = 56.7%

Conical surface Flux(120deg): 4306.3 lm

%lum = 82.9%

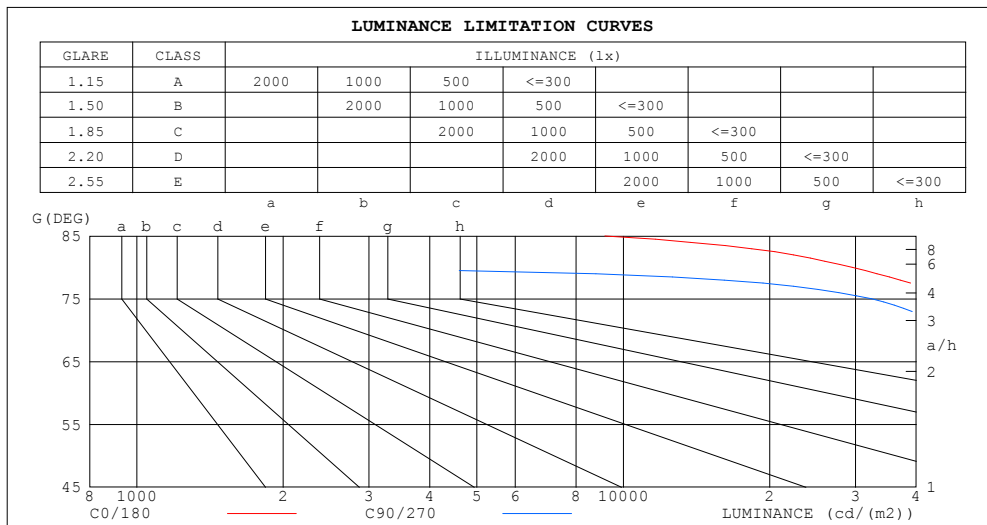
%lamp = 82.9%

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

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:7.058m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | 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                | 9160   | 0       |
| 80                | 29580  | 0       |
| 75                | 46941  | 32403   |
| 70                | 59599  | 47123   |
| 65                | 68198  | 56373   |
| 60                | 74526  | 63127   |
| 55                | 77963  | 67645   |
| 50                | 80051  | 71681   |
| 45                | 81348  | 75396   |

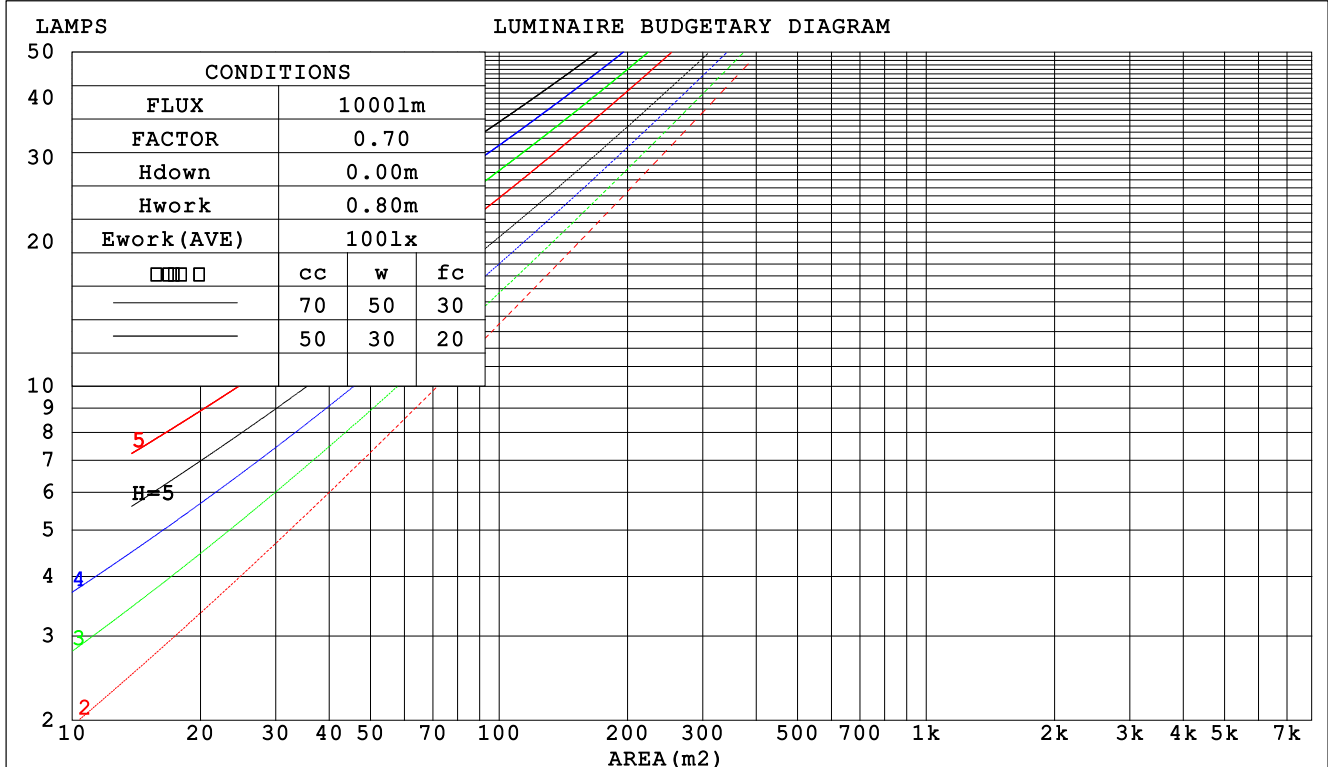
H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-12-12

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:7.058m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |

|     |                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| □cc | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
| □w  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □fc | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



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

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:7.058m [K=1.0000]  
Remarks:

## WEC AND CCEC

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |

| □cc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| □w   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| □fc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .283                  | .161 | .051 | .276 | .158 | .050 | .263                             | .151 | .048 | .251 | .145 | .046 | .240 | .139 | .045 |   |  |
| 2.0  | .275                  | .151 | .046 | .268 | .148 | .046 | .257                             | .143 | .044 | .246 | .138 | .043 | .236 | .134 | .042 |   |  |
| 3.0  | .258                  | .137 | .041 | .253 | .135 | .041 | .243                             | .131 | .040 | .233 | .128 | .039 | .224 | .124 | .038 |   |  |
| 4.0  | .241                  | .125 | .037 | .236 | .123 | .036 | .227                             | .120 | .036 | .218 | .117 | .035 | .211 | .114 | .035 |   |  |
| 5.0  | .224                  | .114 | .033 | .220 | .113 | .033 | .212                             | .110 | .032 | .204 | .108 | .032 | .197 | .105 | .032 |   |  |
| 6.0  | .209                  | .105 | .030 | .205 | .104 | .030 | .198                             | .101 | .030 | .191 | .099 | .029 | .185 | .097 | .029 |   |  |
| 7.0  | .195                  | .096 | .027 | .192 | .096 | .027 | .185                             | .094 | .027 | .179 | .092 | .027 | .174 | .090 | .027 |   |  |
| 8.0  | .183                  | .089 | .025 | .180 | .088 | .025 | .174                             | .087 | .025 | .169 | .085 | .025 | .164 | .084 | .024 |   |  |
| 9.0  | .172                  | .083 | .023 | .169 | .082 | .023 | .164                             | .081 | .023 | .159 | .080 | .023 | .154 | .078 | .023 |   |  |
| 10.0 | .162                  | .078 | .022 | .159 | .077 | .021 | .155                             | .076 | .021 | .150 | .075 | .021 | .146 | .073 | .021 |   |  |

| □cc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| □w   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| □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 | .136 | .153 | .134 | .117 | .104                                       | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0  | .170                  | .132 | .100 | .146 | .114 | .087 | .100                                       | .079 | .060 | .058 | .046 | .035 | .018 | .015 | .012 |   |
| 3.0  | .162                  | .114 | .076 | .139 | .099 | .066 | .095                                       | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .155                  | .101 | .060 | .133 | .087 | .052 | .091                                       | .061 | .036 | .053 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0  | .148                  | .090 | .048 | .127 | .078 | .042 | .087                                       | .055 | .030 | .051 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .141                  | .082 | .040 | .121 | .071 | .035 | .083                                       | .050 | .025 | .048 | .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(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-12-12

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:7.058m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                  |                |      |                     |      |      |
|--|------------------|------|------|------|------------------|----------------|------|---------------------|------|------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |      |      |      |                  |                |      |                     |      |      |
| NAME: LED Linear Explosion-proof Light   |                  |      |      |      | TYPE:Flood Light |                |      | WEIGHT:N/A          |      |      |
| SPEC.:30W/5000K/110°   |                  |      |      |      | DIM.: 500*100mm  |                |      | 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  | 22.3             | 23.8 | 22.6 | 24.0 | 24.2             | 21.8           | 23.3 | 22.1                | 23.5 | 23.7 |
| 3H   | 23.6             | 24.9 | 23.9 | 25.2 | 25.4             | 22.9           | 24.3 | 23.2                | 24.5 | 24.7 |
| 4H   | 23.9             | 25.2 | 24.2 | 25.5 | 25.7             | 23.2           | 24.5 | 23.5                | 24.7 | 25.0 |
| 6H   | 24.1             | 25.3 | 24.4 | 25.6 | 25.8             | 23.1           | 24.3 | 23.5                | 24.6 | 24.9 |
| 8H   | 24.1             | 25.2 | 24.4 | 25.5 | 25.8             | 23.1           | 24.2 | 23.4                | 24.5 | 24.8 |
| 12H  | 24.0             | 25.2 | 24.4 | 25.5 | 25.8             | 23.0           | 24.1 | 23.4                | 24.4 | 24.7 |
| 4H 2H  | 22.8             | 24.1 | 23.1 | 24.3 | 24.6             | 22.4           | 23.7 | 22.7                | 23.9 | 24.2 |
| 3H   | 24.2             | 25.3 | 24.5 | 25.6 | 25.9             | 23.6           | 24.7 | 24.0                | 25.0 | 25.3 |
| 4H   | 24.6             | 25.6 | 25.0 | 26.0 | 26.3             | 23.9           | 25.0 | 24.3                | 25.3 | 25.6 |
| 6H   | 24.8             | 25.7 | 25.2 | 26.1 | 26.4             | 23.9           | 24.8 | 24.3                | 25.2 | 25.5 |
| 8H   | 24.9             | 25.7 | 25.3 | 26.1 | 26.4             | 23.9           | 24.7 | 24.3                | 25.1 | 25.5 |
| 12H  | 24.8             | 25.6 | 25.3 | 26.0 | 26.4             | 23.8           | 24.6 | 24.3                | 25.0 | 25.4 |
| 8H 4H  | 24.7             | 25.5 | 25.1 | 25.9 | 26.3             | 24.1           | 24.9 | 24.5                | 25.3 | 25.7 |
| 6H   | 25.0             | 25.7 | 25.4 | 26.1 | 26.5             | 24.1           | 24.8 | 24.5                | 25.2 | 25.6 |
| 8H   | 25.1             | 25.7 | 25.5 | 26.1 | 26.6             | 24.1           | 24.7 | 24.5                | 25.1 | 25.5 |
| 12H  | 25.1             | 25.6 | 25.6 | 26.1 | 26.5             | 24.0           | 24.5 | 24.5                | 25.0 | 25.5 |
| 12H 4H   | 24.7             | 25.4 | 25.1 | 25.8 | 26.2             | 24.1           | 24.8 | 24.5                | 25.2 | 25.6 |
| 6H   | 25.0             | 25.6 | 25.4 | 26.0 | 26.5             | 24.1           | 24.7 | 24.5                | 25.1 | 25.6 |
| 8H   | 25.0             | 25.6 | 25.5 | 26.0 | 26.5             | 24.1           | 24.6 | 24.5                | 25.0 | 25.5 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                  |                |      |                     |      |      |
| S = 1.0H   | + 0.3 / - 0.2    |      |      |      |                  | + 0.3 / - 0.4  |      |                     |      |      |
| 1.5H   | + 0.3 / - 0.3    |      |      |      |                  | + 0.2 / - 0.5  |      |                     |      |      |
| 2.0H   | + 0.3 / - 0.5    |      |      |      |                  | + 0.4 / - 0.5  |      |                     |      |      |

CIE Pub.117, 5192 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 5.7$ )  
Area: 0.024 m<sup>2</sup>

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

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:7.058m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |

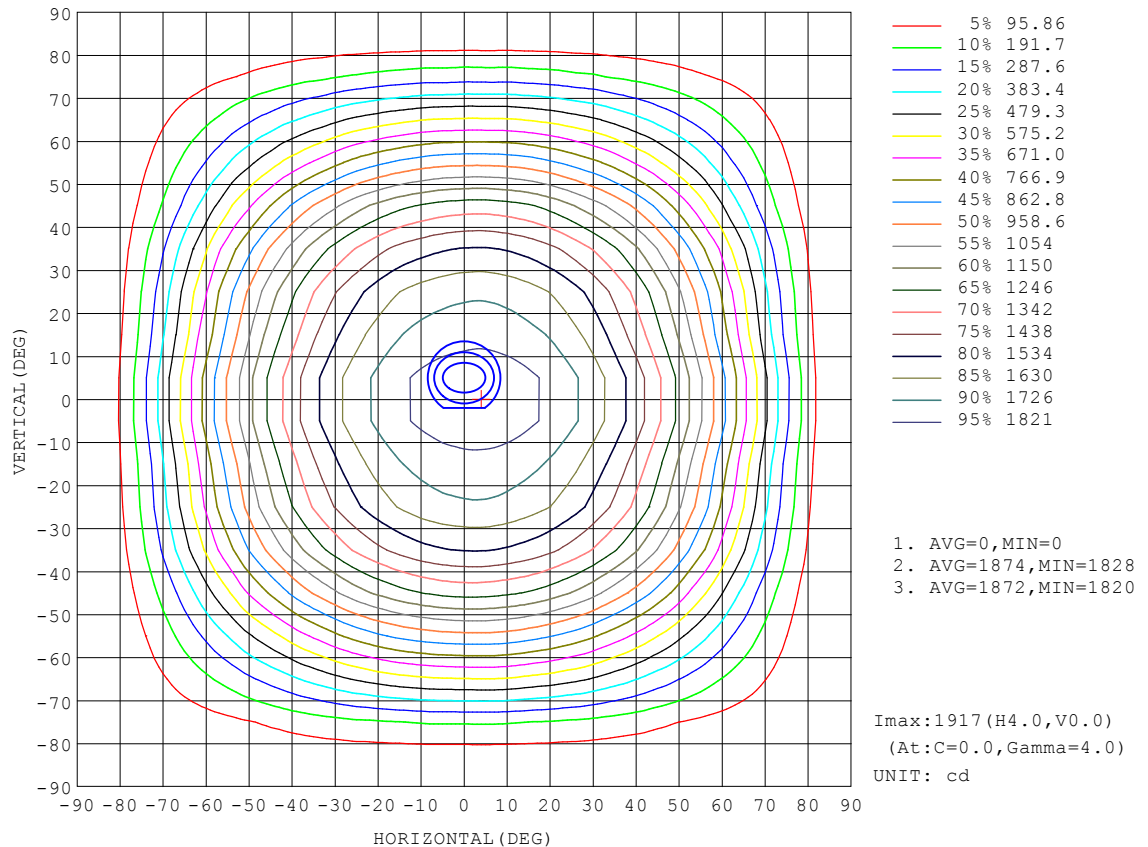
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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   | 47  | 40        | 58  | 47  | 40  | 57  | 46            | 40  | 34     |
| 0.80                             | 69   | 58  | 50        | 68  | 57  | 50  | 66  | 56            | 50  | 43     |
| 1.00                             | 78   | 67  | 60        | 76  | 66  | 60  | 74  | 68            | 59  | 52     |
| 1.25                             | 85   | 75  | 68        | 83  | 74  | 68  | 81  | 73            | 67  | 60     |
| 1.50                             | 90   | 80  | 74        | 88  | 80  | 73  | 85  | 78            | 72  | 65     |
| 2.00                             | 97   | 89  | 82        | 95  | 87  | 82  | 91  | 85            | 80  | 73     |
| 2.50                             | 100  | 93  | 87        | 98  | 92  | 87  | 95  | 89            | 85  | 77     |
| 3.00                             | 104  | 97  | 92        | 101 | 96  | 91  | 98  | 93            | 89  | 81     |
| 4.00                             | 107  | 102 | 98        | 105 | 100 | 96  | 101 | 97            | 94  | 85     |
| 5.00                             | 110  | 105 | 102       | 107 | 103 | 100 | 103 | 100           | 97  | 88     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

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

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:7.058m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |



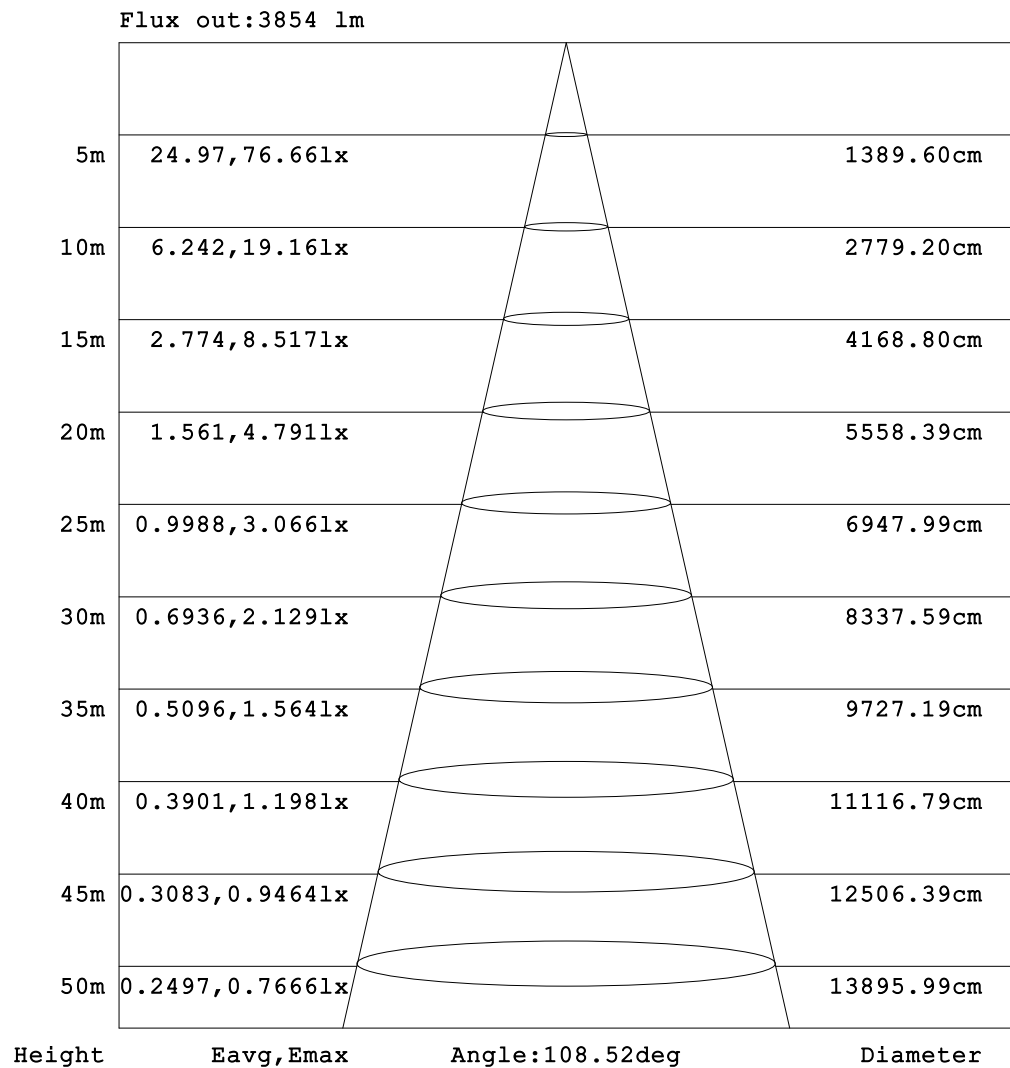
H(□) Range:-90 - 90DEG  
H(□) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jessy  
Test Date:2024-12-12

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:7.058m [K=1.0000]  
Remarks:



## AAI Figure

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |



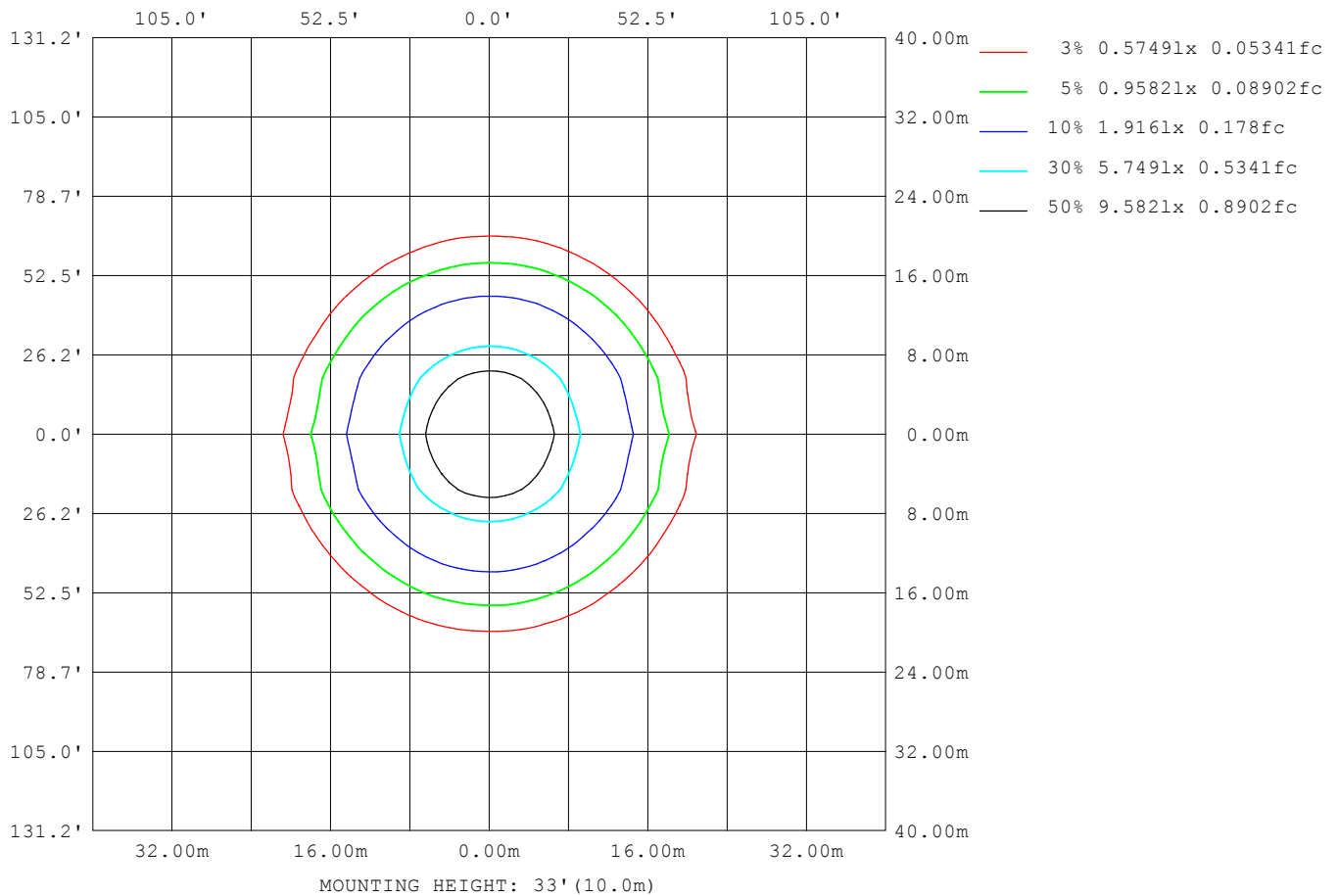
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:7.058m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |



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

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:7.058m [K=1.0000]  
Remarks:

## LED Avg.L Report

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.23V I:0.2643A P:31.740W PF:0.9988 Freq:59.98Hz Lamp Flux:5192.16x1 lm |                  |                     |
| NAME: LED Linear Explosion-proof Light   | TYPE:Flood Light | WEIGHT:N/A          |
| SPEC.:30W/5000K/110°   | DIM.: 500*100mm  | SERIAL No.:N/A      |
| MFR.: Grin Industrial Co., Ltd.  | SUR.:N/A         | Shielding Angle:N/A |

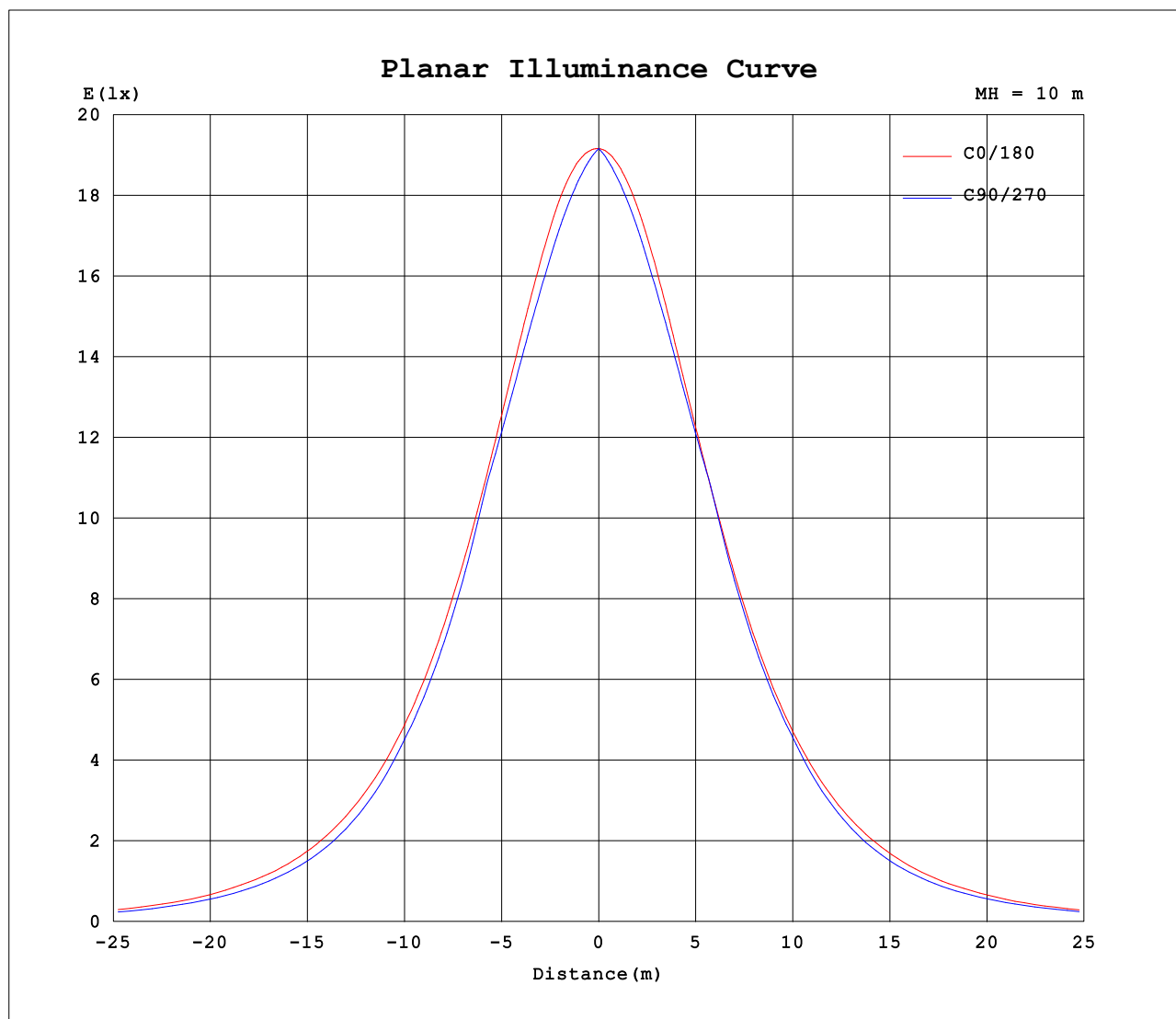
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 67433 |
| L_0~180 (75) av  | 47804 |
| L_0~180 (85) av  | 12646 |
| L_90~270 (65) av | 57028 |
| L_90~270 (75) av | 36002 |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 58684 |
| L_45 (75) av     | 41731 |
| L_45 (85) av     | 0     |

Standard: GB/T 29293-2012

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

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:7.058m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



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

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:7.058m [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:7.058m [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:7.058m [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:7.058m [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:7.058m [K=1.0000]
Remarks:
```