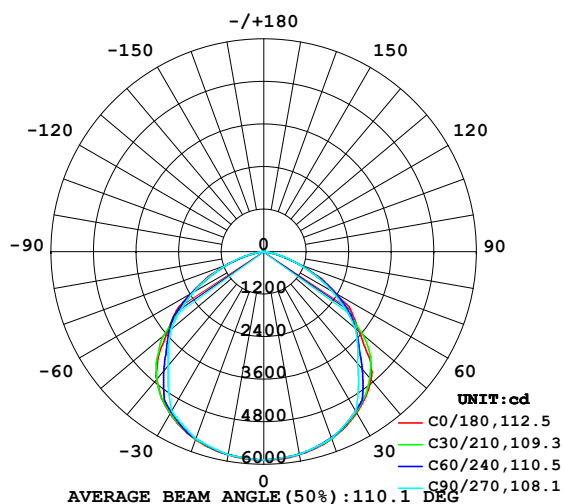


# LUMINAIRE PHOTOMETRIC TEST REPORT

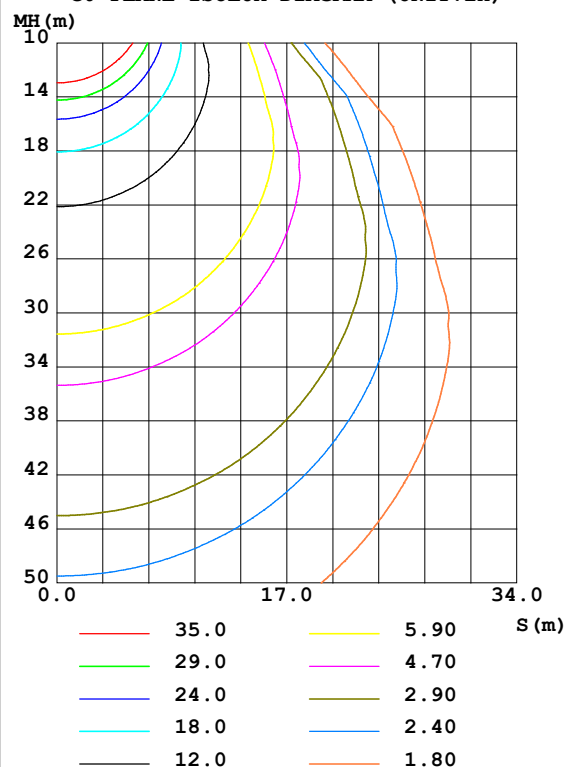
|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

| DATA OF LAMP     |           | PHOTOMETRIC DATA Eff: 127.48 lm/W |        |                   |          |
|------------------|-----------|-----------------------------------|--------|-------------------|----------|
| MODEL            | FEL-B-120 | I <sub>max</sub> (cd)             | 5877   | S/MH(C0/180)      | 1.33     |
| NOMINAL POWER(W) | 120       | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.28     |
| RATED VOLTAGE(V) | 100       | TOTAL FLUX(lm)                    | 15807  | η UP,DN(C0-180)   | 0.0,49.6 |
| NOMINAL FLUX(lm) | 15807.2   | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,50.4 |
| LAMPS INSIDE     | 1         | η up(%)                           | 0.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 100       | 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:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 5813                  | 5793  | 5803  | 5794  | 5820  | 5806  | 5818  | 5806  | 0- 10    | 556.9       | 556.9        | 3.52,3.52  |
| 20       | 5612                  | 5578  | 5597  | 5581  | 5638  | 5612  | 5613  | 5600  | 10- 20   | 1617        | 2173         | 13.7,13.7  |
| 30       | 5246                  | 5204  | 5195  | 5220  | 5281  | 5257  | 5196  | 5239  | 20- 30   | 2508        | 4681         | 29.6,29.6  |
| 40       | 4704                  | 4601  | 4114  | 4618  | 4701  | 4647  | 4195  | 4634  | 30- 40   | 3063        | 7744         | 49,49      |
| 50       | 3515                  | 3432  | 3375  | 3433  | 3566  | 3498  | 3424  | 3492  | 40- 50   | 3101        | 10845        | 68.6,68.6  |
| 60       | 2327                  | 2249  | 2209  | 2248  | 2367  | 2313  | 2302  | 2320  | 50- 60   | 2615        | 13461        | 85.2,85.2  |
| 70       | 1110                  | 1022  | 1045  | 1039  | 1139  | 1076  | 1129  | 1086  | 60- 70   | 1675        | 15136        | 95.8,95.8  |
| 80       | 117.1                 | 203.9 | 143.3 | 208.4 | 174.2 | 238.2 | 184.7 | 221.4 | 70- 80   | 622.7       | 15758        | 99.7,99.7  |
| 90       | 3.668                 | 0     | 0     | 0     | 2.921 | 0     | 0     | 0     | 80- 90   | 48.83       | 15807        | 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): 9323.8 lm

%lum = 59.0%

%lamp = 59.0%

Conical surface Flux(120deg): 13461 lm

%lum = 85.2%

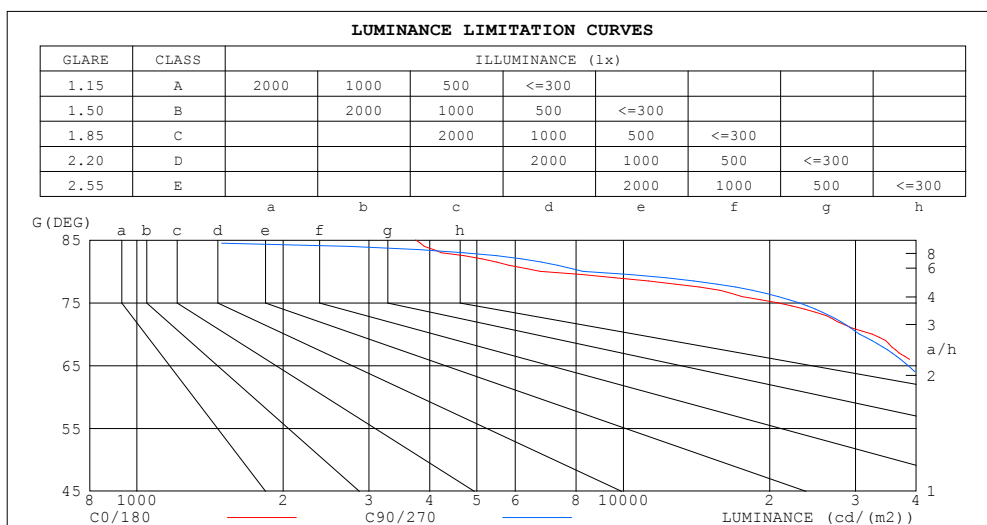
%lamp = 85.2%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:

### LUMINANCE LIMITATION CURVES

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 3741   | 0       |
| 80                | 6745   | 8251    |
| 75                | 20740  | 22960   |
| 70                | 32459  | 30560   |
| 65                | 41852  | 38505   |
| 60                | 46541  | 44188   |
| 55                | 53036  | 48683   |
| 50                | 54690  | 52509   |
| 45                | 59475  | 52958   |

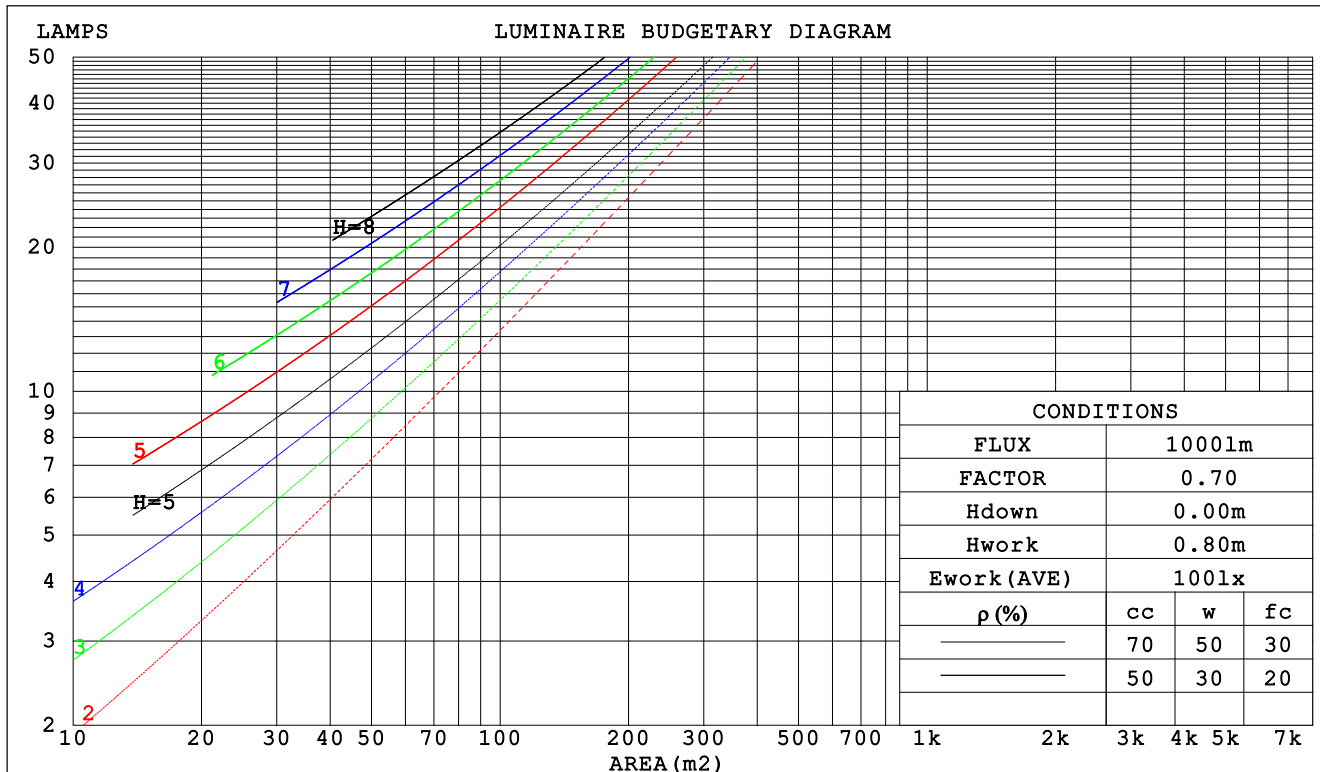
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| $\rho_{fc}$ | 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 | .99  | 1.04 | 1.00 | .97  | .99                             | .96  | .94  | .95  | .93  | .91  | .92  | .90  | .88  | .86  |
| 2.0         | .93                   | .87  | .82  | .91  | .85  | .81  | .88                             | .83  | .79  | .84  | .80  | .77  | .82  | .78  | .75  | .73  |
| 3.0         | .82                   | .75  | .68  | .81  | .74  | .68  | .78                             | .72  | .67  | .75  | .70  | .66  | .73  | .68  | .64  | .62  |
| 4.0         | .73                   | .65  | .58  | .72  | .64  | .58  | .69                             | .63  | .57  | .67  | .61  | .56  | .65  | .60  | .56  | .54  |
| 5.0         | .65                   | .57  | .50  | .64  | .56  | .50  | .62                             | .55  | .50  | .60  | .54  | .49  | .58  | .53  | .49  | .47  |
| 6.0         | .59                   | .50  | .44  | .58  | .50  | .44  | .56                             | .49  | .44  | .55  | .48  | .43  | .53  | .47  | .43  | .41  |
| 7.0         | .53                   | .45  | .39  | .53  | .45  | .39  | .51                             | .44  | .39  | .50  | .43  | .38  | .48  | .43  | .38  | .36  |
| 8.0         | .49                   | .41  | .35  | .48  | .40  | .35  | .47                             | .40  | .34  | .46  | .39  | .34  | .44  | .38  | .34  | .32  |
| 9.0         | .45                   | .37  | .31  | .44  | .36  | .31  | .43                             | .36  | .31  | .42  | .36  | .31  | .41  | .35  | .31  | .29  |
| 10.0        | .41                   | .34  | .28  | .41  | .33  | .28  | .40                             | .33  | .28  | .39  | .33  | .28  | .38  | .32  | .28  | .26  |



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:

### WEC AND CCEC

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology 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  | .274                  | .156 | .049 | .267 | .152 | .048 | .254                             | .146 | .046 | .242 | .139 | .045 | .231 | .134 | .043 |   |  |
| 2.0  | .267                  | .146 | .045 | .260 | .143 | .044 | .249                             | .138 | .043 | .238 | .134 | .042 | .229 | .129 | .041 |   |  |
| 3.0  | .252                  | .134 | .040 | .246 | .132 | .040 | .236                             | .128 | .039 | .227 | .124 | .038 | .218 | .121 | .037 |   |  |
| 4.0  | .236                  | .122 | .036 | .231 | .121 | .036 | .222                             | .118 | .035 | .213 | .115 | .035 | .206 | .112 | .034 |   |  |
| 5.0  | .220                  | .112 | .032 | .216 | .111 | .032 | .208                             | .108 | .032 | .200 | .106 | .031 | .193 | .103 | .031 |   |  |
| 6.0  | .206                  | .103 | .029 | .202 | .102 | .029 | .195                             | .100 | .029 | .188 | .098 | .029 | .182 | .096 | .028 |   |  |
| 7.0  | .192                  | .095 | .027 | .189 | .094 | .027 | .183                             | .092 | .027 | .177 | .091 | .026 | .171 | .089 | .026 |   |  |
| 8.0  | .181                  | .088 | .025 | .178 | .087 | .025 | .172                             | .086 | .025 | .166 | .084 | .024 | .161 | .083 | .024 |   |  |
| 9.0  | .170                  | .082 | .023 | .167 | .081 | .023 | .162                             | .080 | .023 | .157 | .079 | .023 | .153 | .078 | .022 |   |  |
| 10.0 | .160                  | .077 | .021 | .158 | .076 | .021 | .153                             | .075 | .021 | .149 | .074 | .021 | .145 | .073 | .021 |   |  |

| 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  | .178                  | .156 | .137 | .152 | .134 | .118 | .104  | .092 | .082 | .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  | .161                  | .114 | .077 | .138 | .098 | .067 | .095  | .068 | .047 | .055 | .040 | .028 | .018 | .013 | .009 |   |
| 4.0  | .153                  | .101 | .060 | .132 | .087 | .052 | .091  | .061 | .037 | .052 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0  | .146                  | .090 | .049 | .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 | .015 | .010 | .005 |   |
| 7.0  | .133                  | .075 | .034 | .114 | .065 | .030 | .079  | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .127                  | .069 | .029 | .109 | .060 | .026 | .076  | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .121                  | .064 | .026 | .104 | .056 | .022 | .072  | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .116                  | .060 | .023 | .100 | .052 | .020 | .069  | .037 | .014 | .040 | .022 | .008 | .013 | .007 | .003 |   |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                 |                |      |                     |      |      |
|--|------------------|------|------|------|-----------------|----------------|------|---------------------|------|------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                  |      |      |      |                 |                |      |                     |      |      |
| NAME: LED Explosion-proof Flood Light  |                  |      |      |      | TYPE:Floodlight |                |      | WEIGHT:N/A          |      |      |
| SPEC.:120W   |                  |      |      |      | DIM.: 270*340mm |                |      | SERIAL No.:N/A      |      |      |
| MFR.: NJZ Lighting Technology 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             | 18.5 | 17.3 | 18.6 | 18.8            | 16.7           | 18.2 | 17.0                | 18.4 | 18.6 |
| 3H   | 17.9             | 19.2 | 18.2 | 19.5 | 19.7            | 17.7           | 19.0 | 17.9                | 19.2 | 19.5 |
| 4H   | 18.1             | 19.3 | 18.4 | 19.6 | 19.8            | 17.9           | 19.2 | 18.2                | 19.4 | 19.7 |
| 6H   | 18.0             | 19.2 | 18.4 | 19.5 | 19.8            | 17.9           | 19.1 | 18.2                | 19.4 | 19.6 |
| 8H   | 18.0             | 19.1 | 18.3 | 19.4 | 19.7            | 17.9           | 19.0 | 18.2                | 19.3 | 19.6 |
| 12H  | 17.9             | 19.0 | 18.3 | 19.3 | 19.6            | 17.8           | 18.9 | 18.2                | 19.2 | 19.5 |
| 4H 2H  | 17.4             | 18.7 | 17.7 | 18.9 | 19.2            | 17.2           | 18.4 | 17.5                | 18.7 | 18.9 |
| 3H   | 18.4             | 19.5 | 18.8 | 19.8 | 20.1            | 18.2           | 19.3 | 18.6                | 19.6 | 19.9 |
| 4H   | 18.6             | 19.6 | 19.0 | 19.9 | 20.3            | 18.5           | 19.5 | 18.9                | 19.8 | 20.2 |
| 6H   | 18.6             | 19.5 | 19.0 | 19.9 | 20.2            | 18.6           | 19.4 | 19.0                | 19.8 | 20.2 |
| 8H   | 18.6             | 19.4 | 19.0 | 19.8 | 20.1            | 18.5           | 19.4 | 18.9                | 19.7 | 20.1 |
| 12H  | 18.5             | 19.3 | 19.0 | 19.7 | 20.1            | 18.5           | 19.2 | 18.9                | 19.6 | 20.0 |
| 8H 4H  | 18.6             | 19.5 | 19.1 | 19.8 | 20.2            | 18.5           | 19.4 | 19.0                | 19.7 | 20.1 |
| 6H   | 18.7             | 19.3 | 19.1 | 19.8 | 20.2            | 18.6           | 19.3 | 19.1                | 19.7 | 20.1 |
| 8H   | 18.7             | 19.2 | 19.1 | 19.7 | 20.1            | 18.6           | 19.2 | 19.1                | 19.6 | 20.1 |
| 12H  | 18.6             | 19.1 | 19.1 | 19.6 | 20.0            | 18.6           | 19.1 | 19.1                | 19.5 | 20.0 |
| 12H 4H   | 18.6             | 19.4 | 19.0 | 19.7 | 20.1            | 18.5           | 19.3 | 18.9                | 19.6 | 20.0 |
| 6H   | 18.7             | 19.2 | 19.1 | 19.7 | 20.1            | 18.6           | 19.2 | 19.1                | 19.6 | 20.1 |
| 8H   | 18.6             | 19.1 | 19.1 | 19.6 | 20.1            | 18.6           | 19.1 | 19.1                | 19.5 | 20.0 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                 |                |      |                     |      |      |
| S = 1.0H   | + 0.4 / - 0.4    |      |      |      |                 | + 0.3 / - 0.4  |      |                     |      |      |
| 1.5H   | + 0.2 / - 0.5    |      |      |      |                 | + 0.3 / - 0.5  |      |                     |      |      |
| 2.0H   | + 0.6 / - 0.7    |      |      |      |                 | + 0.5 / - 0.5  |      |                     |      |      |

CIE Pub.117, 15807 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.6)

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

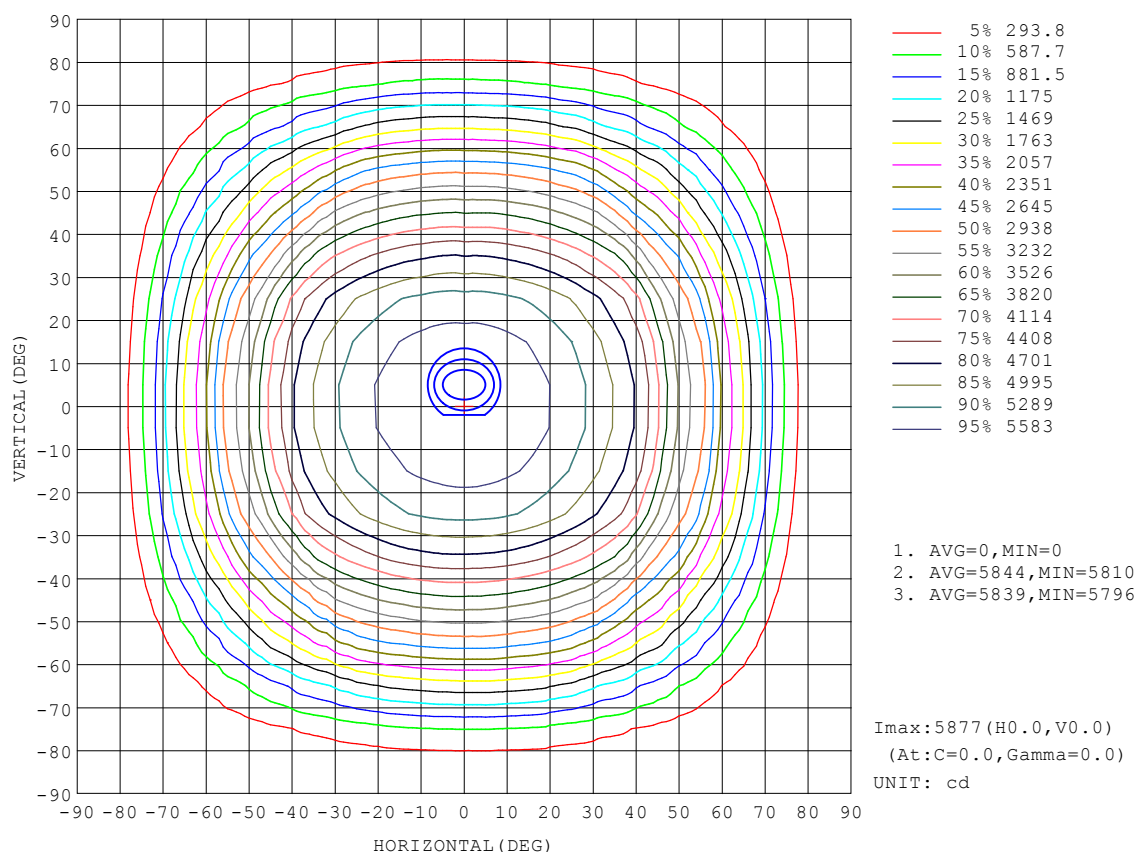
| REFLECTANCE                      |  |     |           |     |     |     |     |              |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|--------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |              |     |        |
| $k = 0.60$                       | 60   | 48  | 42        | 59  | 48  | 42  | 58  | 48           | 41  | 35     |
| 0.80                             | 70   | 59  | 52        | 69  | 59  | 52  | 67  | 58           | 51  | 45     |
| 1.00                             | 79   | 68  | 61        | 78  | 68  | 61  | 75  | 69           | 61  | 54     |
| 1.25                             | 86   | 76  | 70        | 85  | 76  | 69  | 82  | 74           | 68  | 61     |
| 1.50                             | 91   | 82  | 75        | 89  | 81  | 75  | 86  | 79           | 74  | 67     |
| 2.00                             | 97   | 90  | 84        | 96  | 89  | 83  | 92  | 86           | 82  | 74     |
| 2.50                             | 101  | 94  | 89        | 99  | 93  | 88  | 95  | 90           | 86  | 78     |
| 3.00                             | 104  | 98  | 93        | 102 | 97  | 92  | 98  | 94           | 90  | 82     |
| 4.00                             | 108  | 103 | 99        | 106 | 101 | 97  | 101 | 98           | 95  | 86     |
| 5.00                             | 110  | 106 | 102       | 108 | 104 | 101 | 103 | 100          | 98  | 89     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |              |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNM = 1.25 |     |        |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:22 January 2019

$V(B)$  Range:-80 - 80DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:6.010m [K=1.0000]  
 Remarks:

### ISOCANDELA DIAGRAM

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology 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:CL  
Test Date:22 January 2019

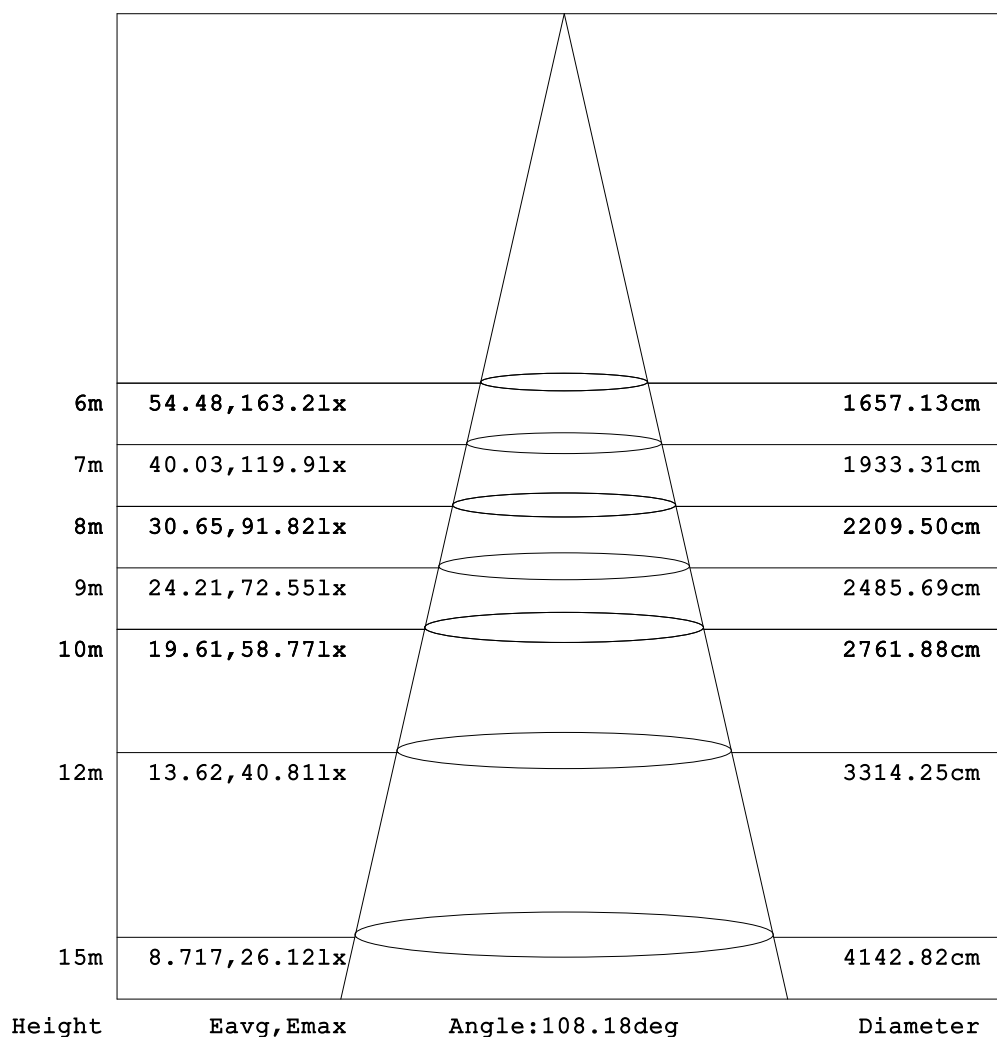
V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### AAI Figure

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Flux out:12110 lm



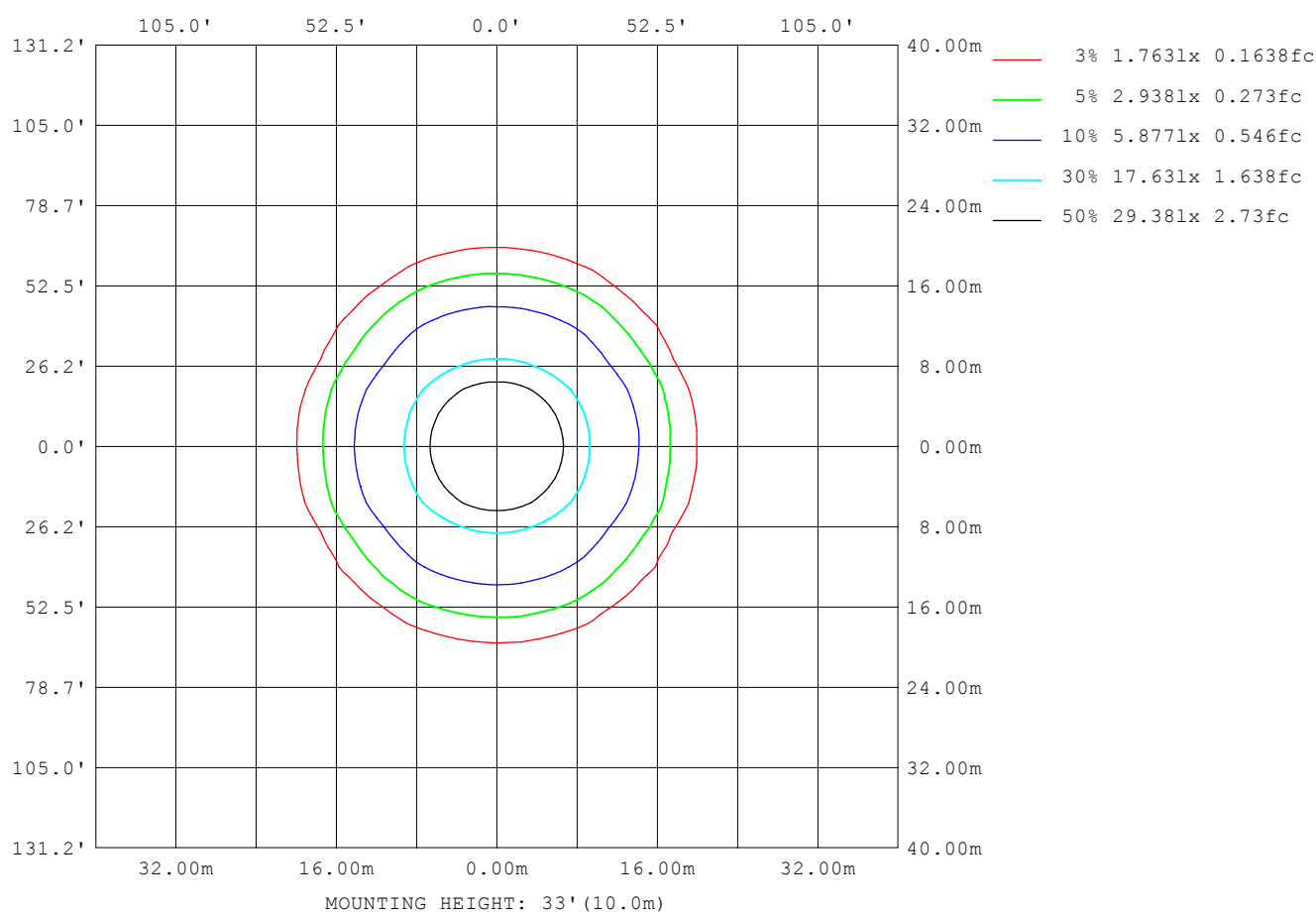
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology 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:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

### LED Avg.L Report

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

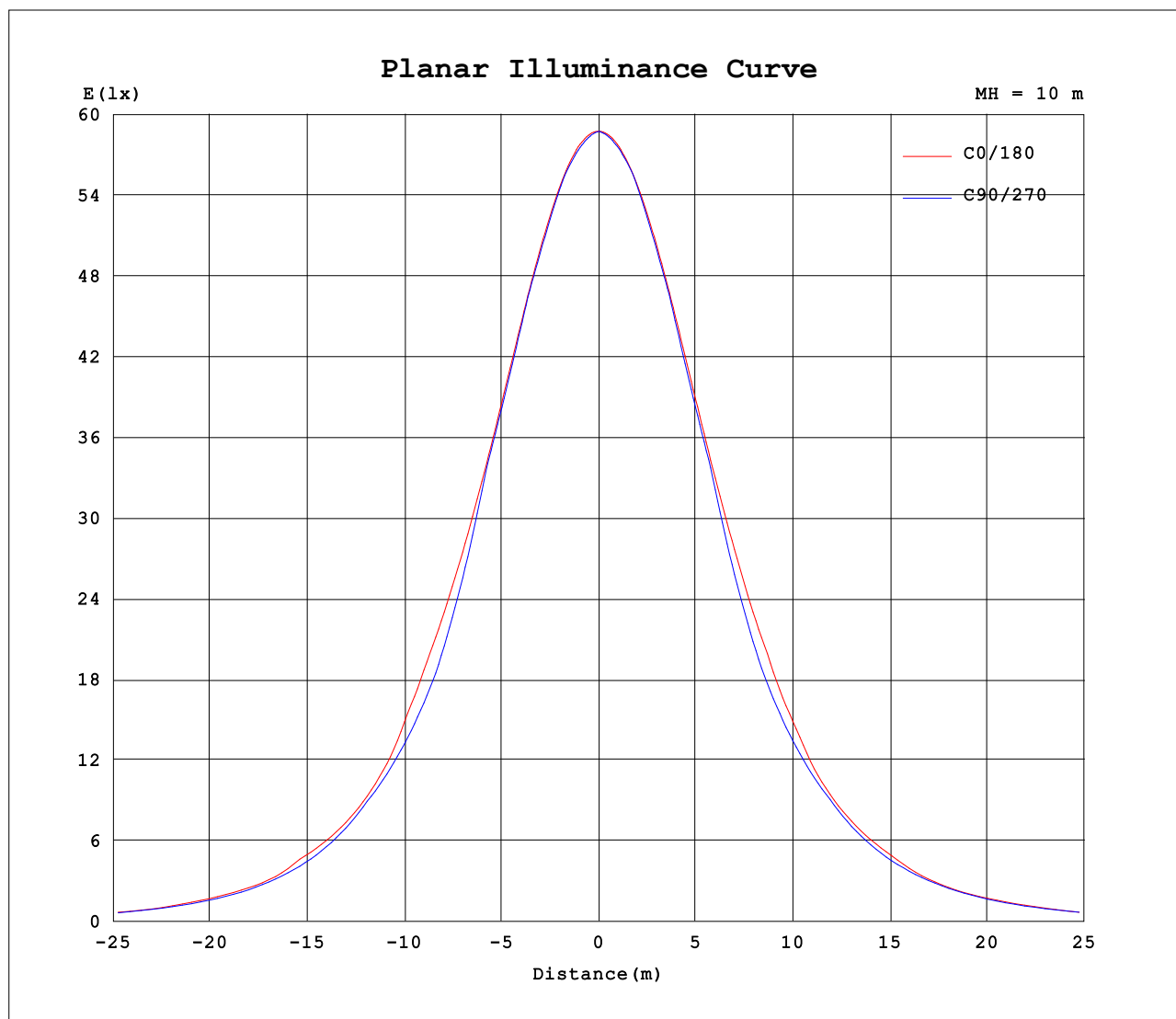
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 42188 |
| L_0~180 (75) av  | 21248 |
| L_0~180 (85) av  | 3899  |
| L_90~270 (65) av | 39549 |
| L_90~270 (75) av | 24166 |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 39434 |
| L_45 (75) av     | 20547 |
| L_45 (85) av     | 2621  |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

# Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--1

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--2

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--3

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:100.06V I:1.2468A P:124.00W PF:0.9940 Freq:49.99Hz Lamp Flux:15807.2x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:120W   | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--4

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:22 January 2019

```
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:
```