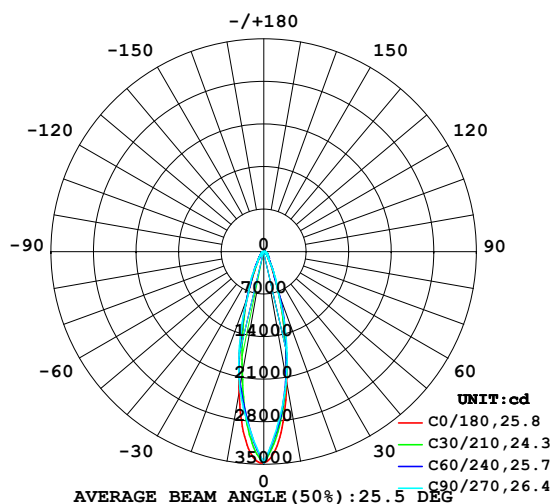


# LUMINAIRE PHOTOMETRIC TEST REPORT

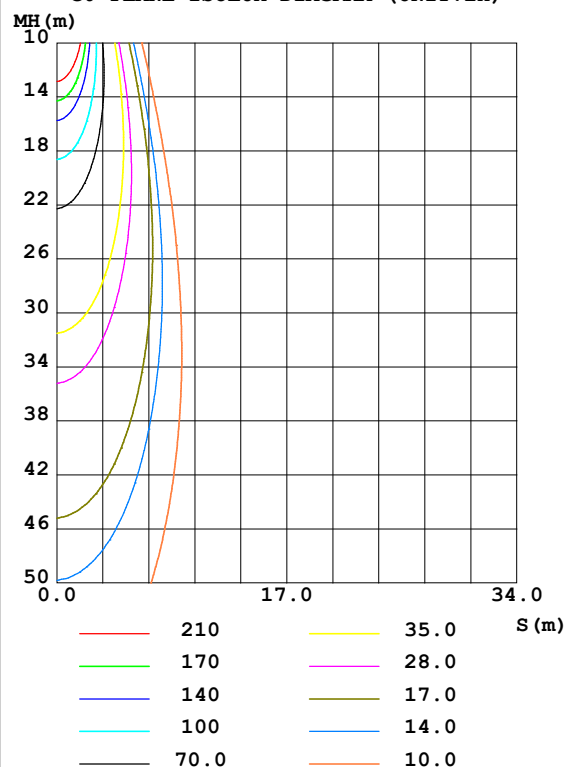
|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | 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: 130.39 lm/W |        |                   |          |
|------------------|--------------|-----------------------------------|--------|-------------------|----------|
| MODEL            | FEL-C-80W-12 | Imax(cd)                          | 34755  | S/MH(C0/180)      | 0.45     |
| NOMINAL POWER(W) | 80           | LOR(%)                            | 100.0  | S/MH(C90/270)     | 0.45     |
| RATED VOLTAGE(V) | 120          | TOTAL FLUX(lm)                    | 10693  | η UP,DN(C0-180)   | 0.0,48.5 |
| NOMINAL FLUX(lm) | 10692.6      | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,51.5 |
| LAMPS INSIDE     | 1            | η up(%)                           | 0.0    | CIBSE SHR NOM     | 0.00     |
| TEST VOLTAGE(V)  | 120          | η down(%)                         | 100.0  | CIBSE SHR MAX     | 1.00     |

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:12 December 2017

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       | 2182                     | 2097  | 2152  | 2048  | 2358   | 2134  | 2290  | 2179  | 0- 10    | 2536        | 2536         | 23.7,23.7  |
| 20       | 694.5                    | 787.8 | 654.4 | 726.3 | 789.7  | 797.9 | 756.9 | 850.7 | 10- 20   | 3773        | 6309         | 59,59      |
| 30       | 202.6                    | 226.1 | 186.6 | 226.4 | 226.1  | 258.8 | 218.0 | 244.9 | 20- 30   | 1944        | 8253         | 77.2,77.2  |
| 40       | 90.52                    | 104.0 | 92.83 | 103.9 | 96.65  | 114.6 | 100.2 | 108.4 | 30- 40   | 941.9       | 9195         | 86,86      |
| 50       | 57.61                    | 64.96 | 57.69 | 64.91 | 59.32  | 69.34 | 60.45 | 66.08 | 40- 50   | 614.9       | 9810         | 91.7,91.7  |
| 60       | 39.13                    | 40.81 | 37.15 | 38.60 | 40.88  | 43.04 | 38.84 | 40.71 | 50- 60   | 454.5       | 10264        | 96,96      |
| 70       | 18.76                    | 20.24 | 17.42 | 18.35 | 20.33  | 21.84 | 19.41 | 20.29 | 60- 70   | 295.6       | 10560        | 98.8,98.8  |
| 80       | 3.463                    | 4.560 | 2.990 | 4.011 | 5.094  | 5.469 | 4.402 | 5.108 | 70- 80   | 120.8       | 10680        | 99.9,99.9  |
| 90       | 0.0824                   | 0     | 0     | 0     | 0.0640 | 0     | 0     | 0     | 80- 90   | 12.18       | 10693        | 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): 9525.9 lm

%lum = 89.1%

%lamp = 89.1%

Conical surface Flux(120deg): 10264 lm

%lum = 96.0%

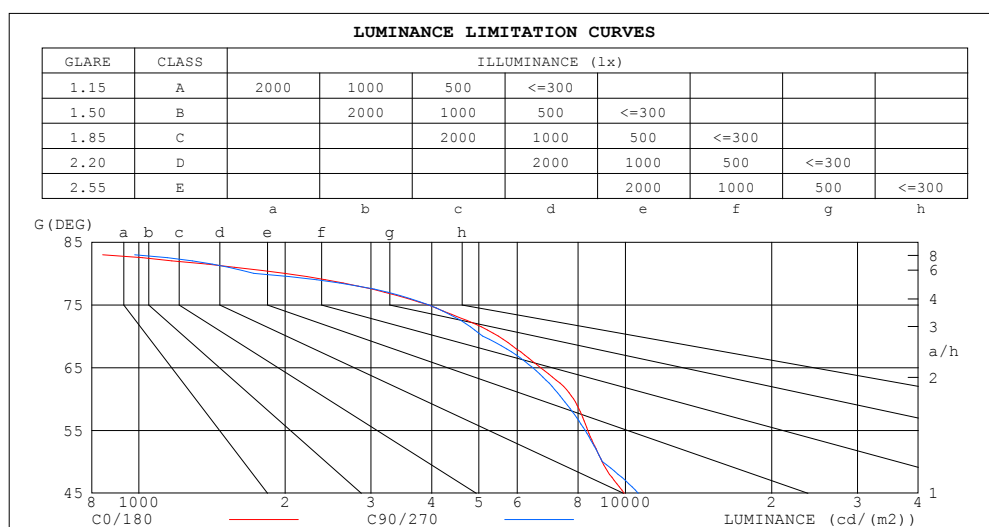
%lamp = 96.0%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | 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                | 542    | 0       |
| 80                | 1995   | 1722    |
| 75                | 3927   | 3938    |
| 70                | 5486   | 5092    |
| 65                | 6692   | 6451    |
| 60                | 7825   | 7429    |
| 55                | 8373   | 8264    |
| 50                | 8962   | 8975    |
| 45                | 9953   | 10639   |

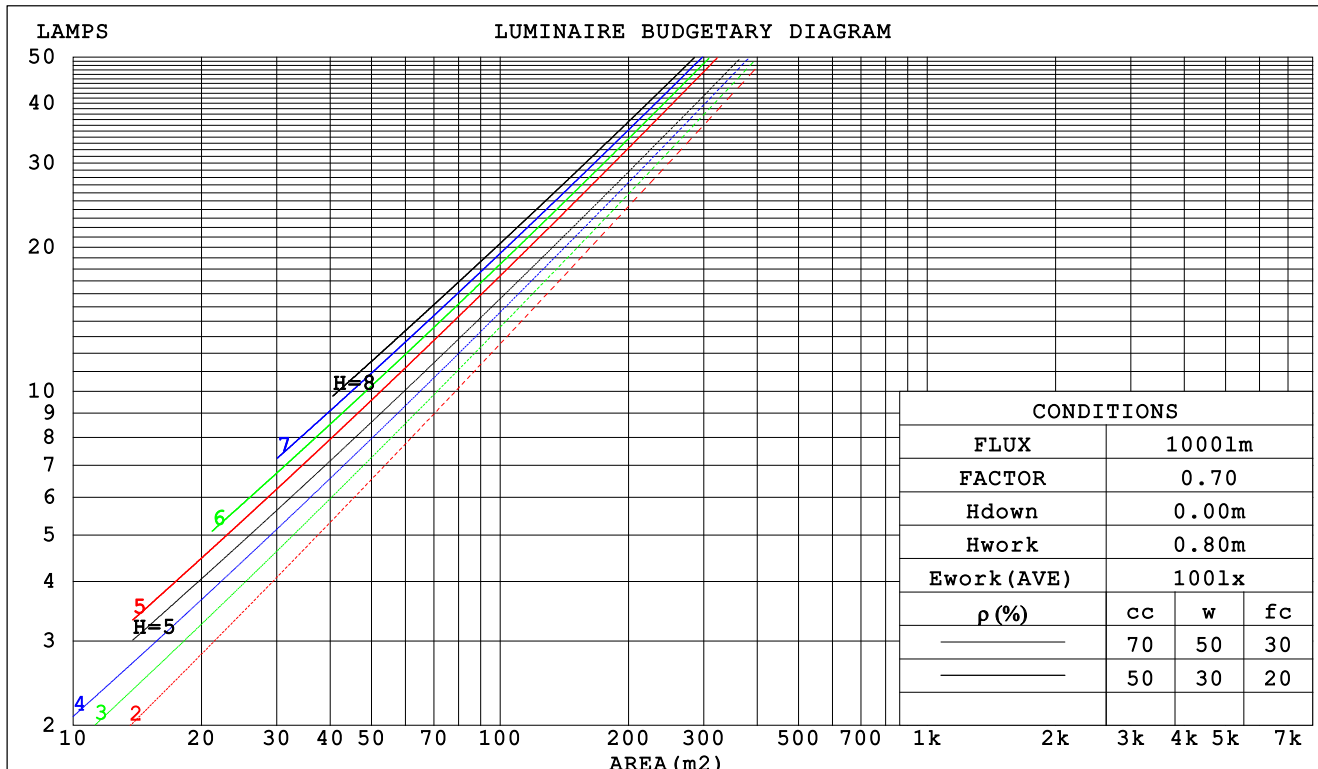
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | 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 |      |      |      |      |      | 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 | .00 |
| 1.0  | 1.11                  | 1.08 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05                            | 1.03 | 1.01 | 1.01 | .00  | .98  | .98  | .96  | .95  | .94 |
| 2.0  | 1.03                  | .00  | .96  | 1.02 | .98  | .95  | .99                             | .96  | .93  | .96  | .93  | .91  | .93  | .91  | .89  | .88 |
| 3.0  | .97                   | .92  | .89  | .96  | .91  | .88  | .93                             | .89  | .86  | .91  | .88  | .85  | .88  | .86  | .84  | .82 |
| 4.0  | .92                   | .86  | .82  | .90  | .86  | .82  | .88                             | .84  | .81  | .86  | .83  | .80  | .85  | .82  | .79  | .78 |
| 5.0  | .87                   | .81  | .77  | .86  | .81  | .77  | .84                             | .80  | .76  | .82  | .79  | .76  | .81  | .78  | .75  | .74 |
| 6.0  | .82                   | .77  | .73  | .82  | .77  | .73  | .80                             | .76  | .72  | .79  | .75  | .72  | .78  | .74  | .71  | .70 |
| 7.0  | .79                   | .73  | .69  | .78  | .73  | .69  | .77                             | .72  | .69  | .76  | .72  | .68  | .75  | .71  | .68  | .67 |
| 8.0  | .75                   | .70  | .66  | .75  | .70  | .66  | .74                             | .69  | .66  | .73  | .69  | .66  | .72  | .68  | .65  | .64 |
| 9.0  | .72                   | .67  | .63  | .72  | .67  | .63  | .71                             | .66  | .63  | .70  | .66  | .63  | .69  | .65  | .63  | .61 |
| 10.0 | .69                   | .64  | .61  | .69  | .64  | .61  | .68                             | .64  | .61  | .68  | .63  | .60  | .67  | .63  | .60  | .59 |



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | 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  | .176                  | .100 | .032 | .169 | .097 | .031 | .157                             | .090 | .029 | .145 | .084 | .027 | .134 | .078 | .025 |   |  |
| 2.0  | .167                  | .091 | .028 | .161 | .089 | .027 | .150                             | .084 | .026 | .141 | .079 | .025 | .132 | .074 | .023 |   |  |
| 3.0  | .156                  | .083 | .025 | .152 | .081 | .024 | .143                             | .077 | .023 | .134 | .074 | .023 | .127 | .070 | .022 |   |  |
| 4.0  | .147                  | .076 | .022 | .143 | .075 | .022 | .135                             | .072 | .021 | .128 | .069 | .021 | .121 | .066 | .020 |   |  |
| 5.0  | .138                  | .070 | .020 | .134 | .069 | .020 | .128                             | .066 | .020 | .122 | .064 | .019 | .116 | .062 | .019 |   |  |
| 6.0  | .130                  | .065 | .019 | .127 | .064 | .018 | .121                             | .062 | .018 | .116 | .060 | .018 | .111 | .058 | .017 |   |  |
| 7.0  | .123                  | .061 | .017 | .120 | .060 | .017 | .115                             | .058 | .017 | .110 | .057 | .016 | .106 | .055 | .016 |   |  |
| 8.0  | .117                  | .057 | .016 | .114 | .056 | .016 | .110                             | .055 | .016 | .105 | .053 | .015 | .101 | .052 | .015 |   |  |
| 9.0  | .111                  | .054 | .015 | .109 | .053 | .015 | .105                             | .052 | .015 | .101 | .051 | .014 | .097 | .049 | .014 |   |  |
| 10.0 | .106                  | .051 | .014 | .104 | .050 | .014 | .100                             | .049 | .014 | .097 | .048 | .014 | .093 | .047 | .013 |   |  |

| 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  | .171                  | .157 | .145 | .146 | .135 | .125 | .100  | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 |   |
| 2.0  | .156                  | .133 | .113 | .133 | .114 | .098 | .091  | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 |   |
| 3.0  | .143                  | .114 | .090 | .122 | .098 | .078 | .084  | .068 | .055 | .048 | .040 | .032 | .016 | .013 | .011 |   |
| 4.0  | .132                  | .099 | .074 | .113 | .085 | .064 | .078  | .059 | .045 | .045 | .035 | .027 | .014 | .011 | .009 |   |
| 5.0  | .122                  | .087 | .061 | .105 | .075 | .053 | .072  | .053 | .037 | .042 | .031 | .022 | .013 | .010 | .007 |   |
| 6.0  | .114                  | .077 | .051 | .098 | .067 | .045 | .068  | .047 | .032 | .039 | .028 | .019 | .013 | .009 | .006 |   |
| 7.0  | .107                  | .070 | .044 | .092 | .060 | .038 | .063  | .042 | .027 | .037 | .025 | .016 | .012 | .008 | .005 |   |
| 8.0  | .100                  | .063 | .038 | .086 | .055 | .033 | .060  | .038 | .023 | .035 | .023 | .014 | .011 | .007 | .005 |   |
| 9.0  | .095                  | .058 | .033 | .082 | .050 | .028 | .057  | .035 | .020 | .033 | .021 | .012 | .011 | .007 | .004 |   |
| 10.0 | .090                  | .053 | .029 | .077 | .046 | .025 | .054  | .032 | .018 | .031 | .019 | .011 | .010 | .006 | .004 |   |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                  |      |      |      |                 |                |      |                     |      |      |
| NAME: LED Explosion-proof Flood Light  |                  |      |      |      | TYPE:Floodlight |                |      | WEIGHT:N/A          |      |      |
| SPEC.:80W/5000K/25°  |                  |      |      |      | 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  | 8.1              | 9.0  | 8.3  | 9.1  | 9.3             | 7.9            | 8.8  | 8.1                 | 8.9  | 9.1  |
| 3H   | 9.0              | 9.8  | 9.3  | 10.0 | 10.2            | 8.7            | 9.5  | 9.0                 | 9.7  | 9.9  |
| 4H   | 9.2              | 10.0 | 9.5  | 10.2 | 10.4            | 8.9            | 9.7  | 9.2                 | 9.9  | 10.1 |
| 6H   | 9.3              | 10.0 | 9.6  | 10.2 | 10.5            | 8.9            | 9.7  | 9.2                 | 9.9  | 10.2 |
| 8H   | 9.2              | 9.9  | 9.5  | 10.2 | 10.5            | 8.9            | 9.6  | 9.2                 | 9.9  | 10.1 |
| 12H  | 9.2              | 9.9  | 9.5  | 10.1 | 10.4            | 8.9            | 9.5  | 9.2                 | 9.8  | 10.1 |
| 4H 2H  | 8.6              | 9.3  | 8.8  | 9.6  | 9.8             | 8.4            | 9.2  | 8.7                 | 9.4  | 9.6  |
| 3H   | 9.6              | 10.3 | 9.9  | 10.5 | 10.8            | 9.3            | 10.0 | 9.6                 | 10.2 | 10.5 |
| 4H   | 9.9              | 10.5 | 10.2 | 10.8 | 11.1            | 9.6            | 10.2 | 9.9                 | 10.5 | 10.8 |
| 6H   | 10.0             | 10.5 | 10.3 | 10.8 | 11.2            | 9.6            | 10.2 | 10.0                | 10.5 | 10.8 |
| 8H   | 9.9              | 10.4 | 10.3 | 10.8 | 11.2            | 9.6            | 10.1 | 10.0                | 10.5 | 10.8 |
| 12H  | 9.9              | 10.4 | 10.3 | 10.7 | 11.1            | 9.5            | 10.0 | 10.0                | 10.4 | 10.8 |
| 8H 4H  | 9.9              | 10.4 | 10.3 | 10.8 | 11.2            | 9.6            | 10.1 | 10.0                | 10.5 | 10.9 |
| 6H   | 10.0             | 10.5 | 10.5 | 10.8 | 11.3            | 9.7            | 10.1 | 10.1                | 10.5 | 10.9 |
| 8H   | 10.0             | 10.4 | 10.5 | 10.8 | 11.2            | 9.7            | 10.1 | 10.1                | 10.5 | 10.9 |
| 12H  | 10.0             | 10.3 | 10.4 | 10.7 | 11.2            | 9.6            | 10.0 | 10.1                | 10.4 | 10.9 |
| 12H 4H   | 9.9              | 10.3 | 10.3 | 10.7 | 11.1            | 9.6            | 10.1 | 10.0                | 10.4 | 10.8 |
| 6H   | 10.0             | 10.4 | 10.4 | 10.8 | 11.2            | 9.7            | 10.1 | 10.1                | 10.5 | 10.9 |
| 8H   | 10.0             | 10.3 | 10.4 | 10.7 | 11.2            | 9.7            | 10.0 | 10.1                | 10.4 | 10.9 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                 |                |      |                     |      |      |
| S = 1.0H   | + 0.5 / - 0.6    |      |      |      |                 | + 0.5 / - 0.7  |      |                     |      |      |
| 1.5H   | + 0.3 / - 0.6    |      |      |      |                 | + 0.4 / - 0.6  |      |                     |      |      |
| 2.0H   | + 0.3 / - 0.7    |      |      |      |                 | + 0.6 / - 0.7  |      |                     |      |      |

CIE Pub.117, 10693 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 8.2)

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

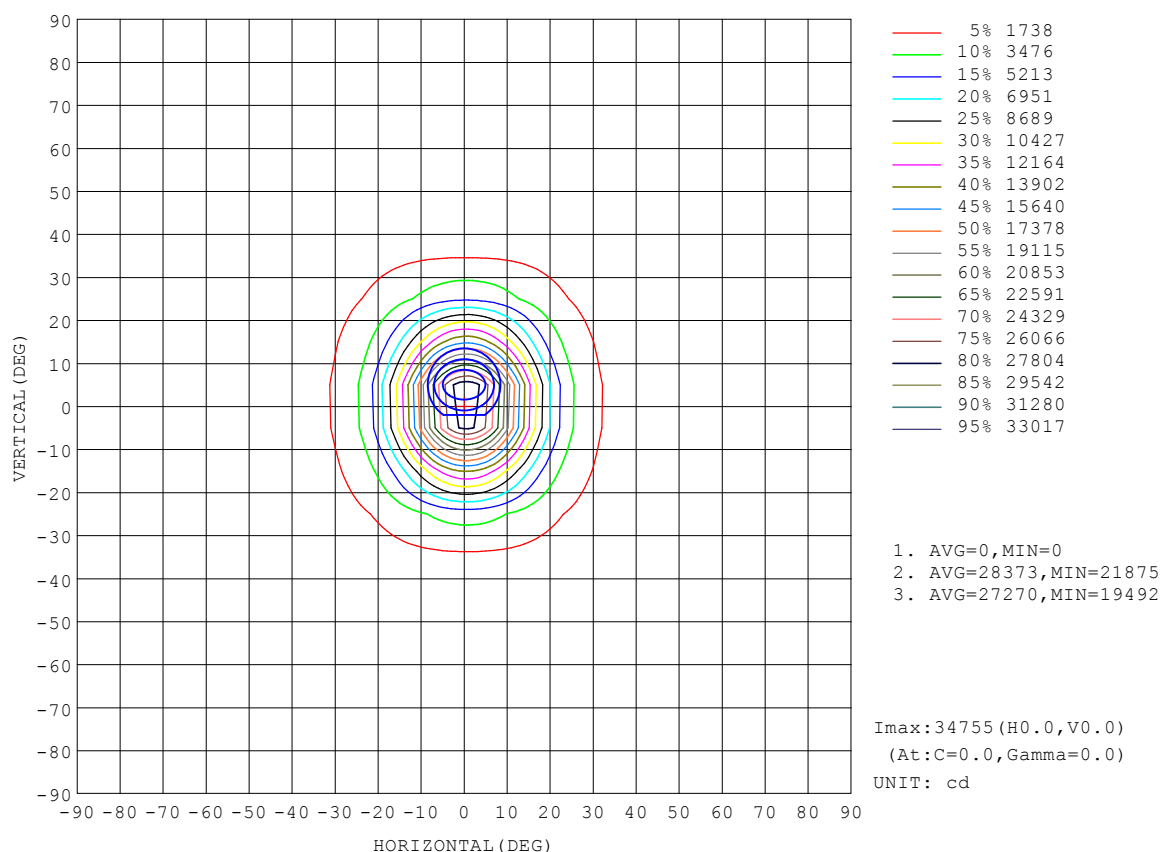
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 83   | 76  | 71        | 82  | 76  | 71  | 81  | 75            | 71  | 67     |
| 0.80                             | 91   | 84  | 80        | 90  | 84  | 80  | 89  | 83            | 79  | 75     |
| 1.00                             | 96   | 89  | 85        | 95  | 89  | 85  | 93  | 89            | 84  | 80     |
| 1.25                             | 100  | 94  | 90        | 99  | 94  | 90  | 97  | 92            | 89  | 84     |
| 1.50                             | 103  | 98  | 94        | 102 | 97  | 93  | 100 | 95            | 92  | 87     |
| 2.00                             | 107  | 102 | 98        | 105 | 101 | 97  | 102 | 99            | 96  | 90     |
| 2.50                             | 109  | 104 | 101       | 107 | 103 | 100 | 104 | 101           | 98  | 92     |
| 3.00                             | 110  | 107 | 103       | 109 | 105 | 102 | 105 | 102           | 100 | 93     |
| 4.00                             | 113  | 110 | 107       | 111 | 108 | 106 | 107 | 105           | 103 | 96     |
| 5.00                             | 114  | 112 | 109       | 112 | 110 | 108 | 108 | 106           | 105 | 97     |
| 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:CL  
 Test Date:12 December 2017

$V(B)$  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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | 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:12 December 2017

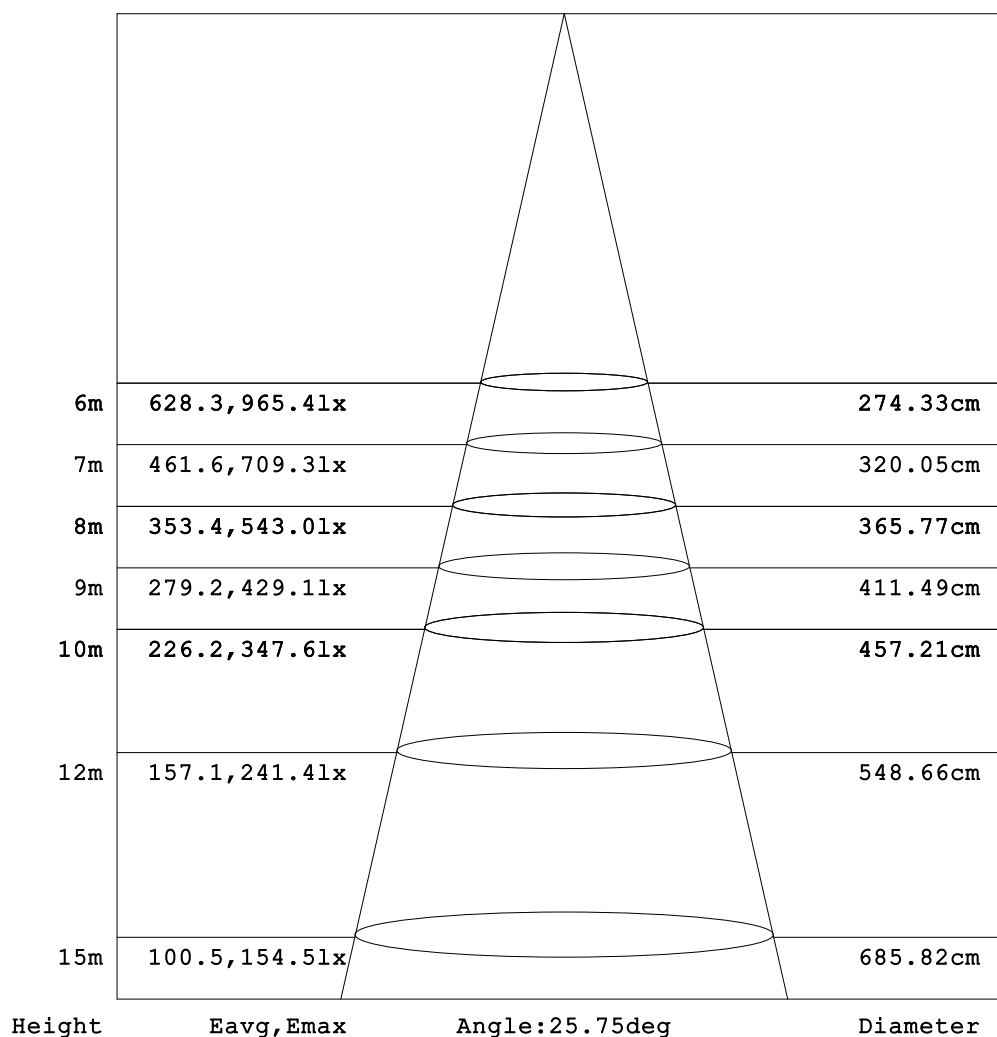
V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### AAI Figure

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Flux out:3787 lm



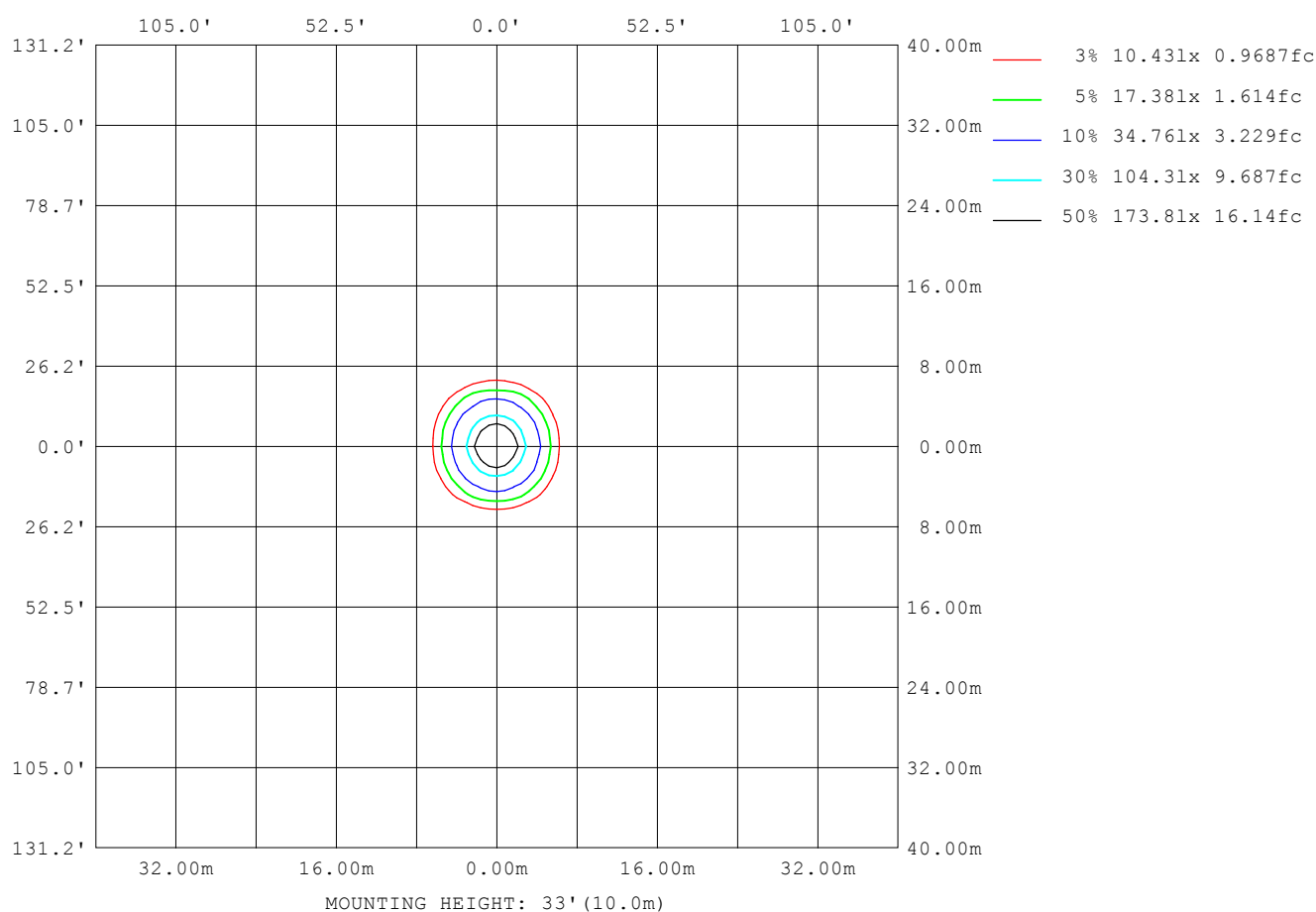
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | 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:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

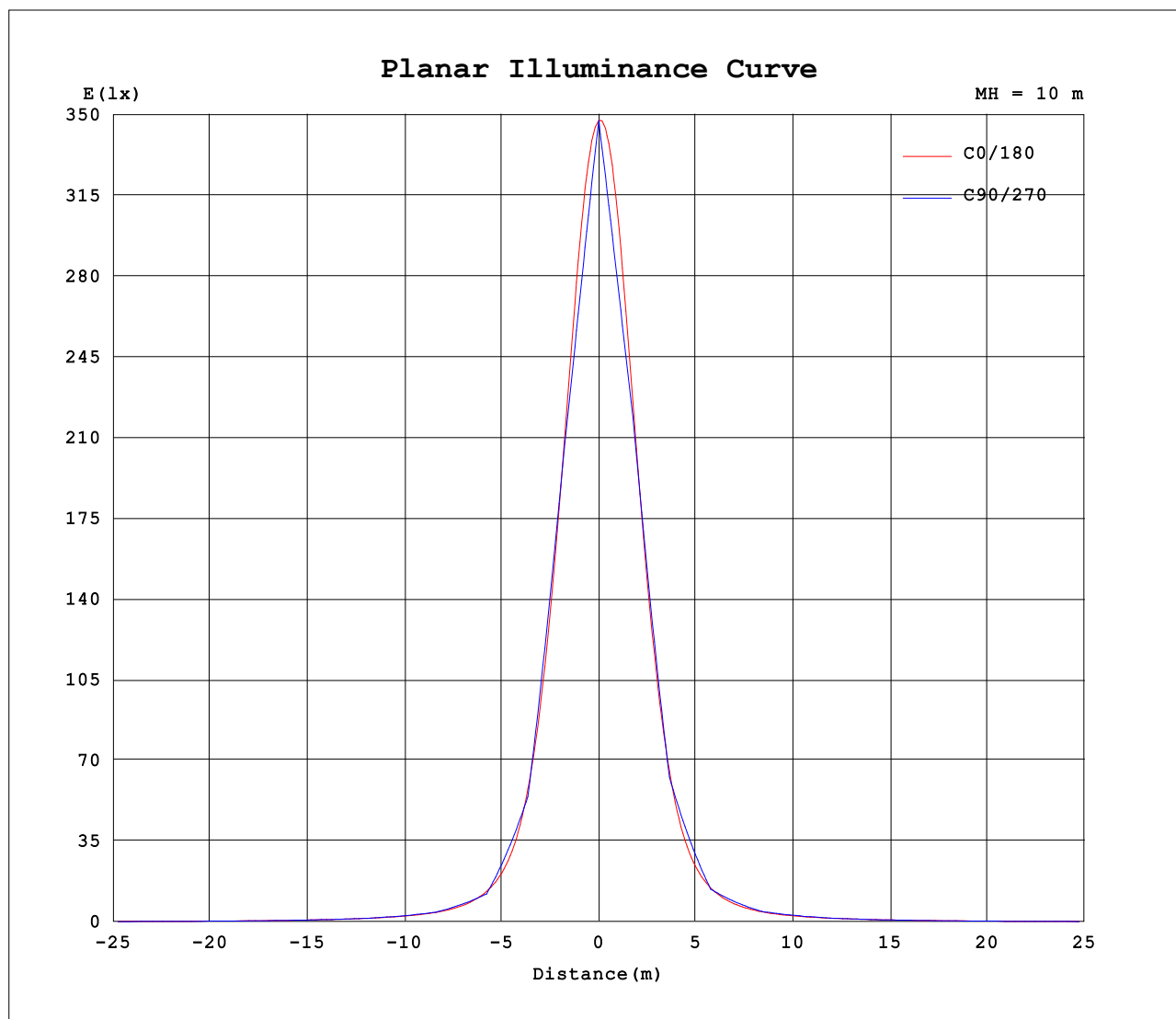
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 6935  |
| L_0~180 (75) av  | 4293  |
| L_0~180 (85) av  | 781   |
| L_90~270 (65) av | 6673  |
| L_90~270 (75) av | 4270  |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 7141  |
| L_45 (75) av     | 4217  |
| L_45 (85) av     | 724   |

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:12 December 2017

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:12 December 2017

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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--1

UNIT:  $\times 10 \text{cd}$ [illegible]

```
H( $\beta$ ) Range:-90 - 90DEG
H( $\beta$ ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:12 December 2017
```

```
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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--2

UNIT:  $\times 10 \text{cd}$ [illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

```
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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--3

UNIT:  $\times 10 \text{cd}$ [illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 December 2017

```
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:119.87V I:0.6900A P:82.007W PF:0.9915 Freq:59.98Hz Lamp Flux:10692.6x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/5000K/25°  | DIM.: 270*340mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Table--4

UNIT:  $\times 10 \text{cd}$ [illegible]

```
H( $\beta$ ) Range:-90 - 90DEG
H( $\beta$ ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:12 December 2017
```

```
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:
```