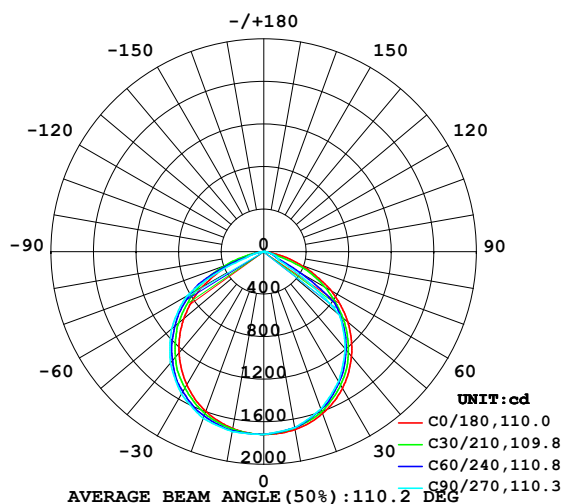


# LUMINAIRE PHOTOMETRIC TEST REPORT

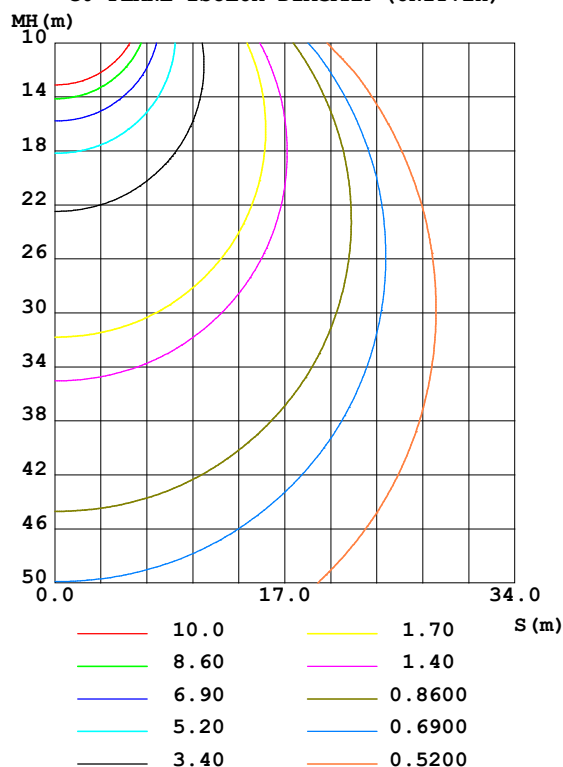
|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A         | Shielding Angle:N/A |

| DATA OF LAMP     |                   | PHOTOMETRIC DATA Eff: 116.35 lm/W |        |                        |          |
|------------------|-------------------|-----------------------------------|--------|------------------------|----------|
| MODEL            | FEL-I-40-3000K-透明 | Imax(cd)                          | 1718   | S/MH(C0/180)           | 1.25     |
| NOMINAL POWER(W) | 40                | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.33     |
| RATED VOLTAGE(V) | 120               | TOTAL FLUX(lm)                    | 4436.2 | $\eta$ UP,DN(C0-180)   | 0.0,45.8 |
| NOMINAL FLUX(lm) | 4436.25           | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,54.2 |
| LAMPS INSIDE     | 1                 | $\eta$ up(%)                      | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 120               | $\eta$ down(%)                    | 100.0  | CIBSE SHR MAX          | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:01 June 2018

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       | 1698                  | 1678  | 1681  | 1669  | 1687   | 1700  | 1717  | 1709  | 0- 10    | 162.6       | 162.6        | 3.66,3.66  |
| 20       | 1619                  | 1584  | 1573  | 1567  | 1597   | 1630  | 1668  | 1648  | 10- 20   | 467.8       | 630.4        | 14.2,14.2  |
| 30       | 1482                  | 1434  | 1408  | 1410  | 1447   | 1507  | 1547  | 1533  | 20- 30   | 712.8       | 1343         | 30.3,30.3  |
| 40       | 1284                  | 1221  | 1193  | 1191  | 1240   | 1324  | 1366  | 1357  | 30- 40   | 860.5       | 2204         | 49.7,49.7  |
| 50       | 1033                  | 949.3 | 932.2 | 917.8 | 982.6  | 1072  | 1132  | 1108  | 40- 50   | 884.8       | 3088         | 69.6,69.6  |
| 60       | 729.7                 | 623.2 | 162.4 | 594.1 | 677.1  | 771.5 | 839.4 | 812.6 | 50- 60   | 747.0       | 3835         | 86.5,86.5  |
| 70       | 373.2                 | 99.59 | 117.8 | 103.3 | 313.8  | 399.3 | 189.8 | 432.6 | 60- 70   | 439.4       | 4275         | 96.4,96.4  |
| 80       | 73.53                 | 28.94 | 4.206 | 24.43 | 48.58  | 55.12 | 29.85 | 63.86 | 70- 80   | 149.2       | 4424         | 99.7,99.7  |
| 90       | 0.9994                | 0     | 0     | 0     | 0.9214 | 0     | 0     | 0     | 80- 90   | 12.21       | 4436         | 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): 2651.4 lm

%lum = 59.8%

%lamp = 59.8%

Conical surface Flux(120deg): 3835.5 lm

%lum = 86.5%

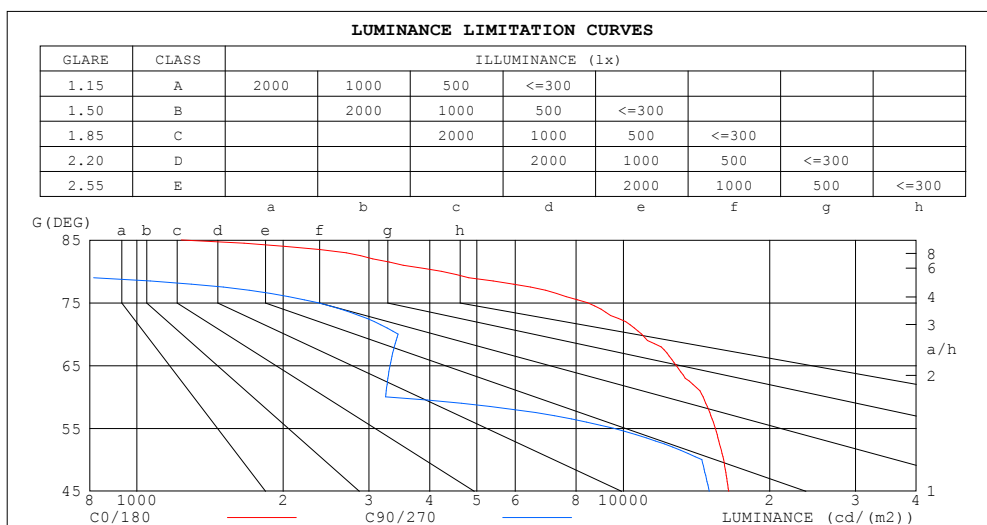
%lamp = 86.5%

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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                | 1234   | 0       |
| 80                | 4234   | 242     |
| 75                | 8451   | 2357    |
| 70                | 10910  | 3445    |
| 65                | 12853  | 3315    |
| 60                | 14593  | 3247    |
| 55                | 15451  | 9542    |
| 50                | 16078  | 14503   |
| 45                | 16462  | 15026   |

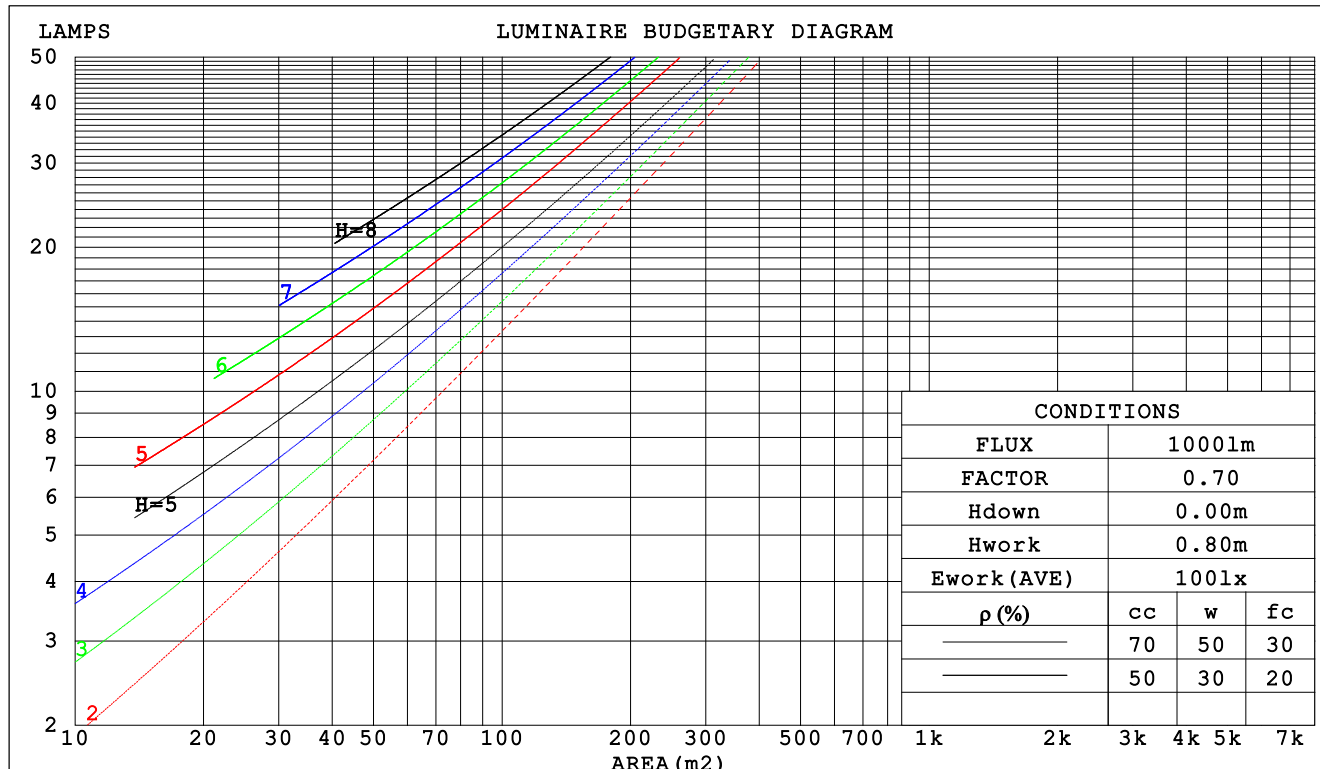
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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  | .90                             | .97  | .94  | .96  | .93  | .91  | .92  | .90  | .89  | .87  |
| 2.0         | .94                   | .87  | .82  | .92  | .86  | .81  | .88                             | .83  | .79  | .85  | .81  | .78  | .82  | .79  | .76  | .74  |
| 3.0         | .83                   | .75  | .69  | .81  | .74  | .69  | .78                             | .72  | .67  | .76  | .70  | .66  | .73  | .69  | .65  | .63  |
| 4.0         | .74                   | .65  | .59  | .72  | .65  | .59  | .70                             | .63  | .58  | .68  | .62  | .57  | .65  | .60  | .56  | .54  |
| 5.0         | .66                   | .57  | .51  | .65  | .57  | .51  | .63                             | .56  | .50  | .61  | .55  | .50  | .59  | .54  | .49  | .47  |
| 6.0         | .60                   | .51  | .45  | .59  | .50  | .45  | .57                             | .50  | .44  | .55  | .49  | .44  | .54  | .48  | .43  | .41  |
| 7.0         | .54                   | .46  | .40  | .53  | .45  | .39  | .52                             | .44  | .39  | .50  | .44  | .39  | .49  | .43  | .39  | .37  |
| 8.0         | .49                   | .41  | .35  | .49  | .41  | .35  | .47                             | .40  | .35  | .46  | .40  | .35  | .45  | .39  | .35  | .33  |
| 9.0         | .45                   | .37  | .32  | .45  | .37  | .32  | .44                             | .37  | .32  | .42  | .36  | .31  | .41  | .36  | .31  | .29  |
| 10.0        | .42                   | .34  | .29  | .41  | .34  | .29  | .40                             | .33  | .29  | .39  | .33  | .29  | .38  | .33  | .28  | .27  |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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  | .269                  | .153 | .048 | .262 | .149 | .047 | .249                             | .143 | .046 | .237 | .137 | .044 | .226 | .131 | .042 |   |  |
| 2.0  | .262                  | .144 | .044 | .256 | .141 | .043 | .245                             | .136 | .042 | .234 | .131 | .041 | .225 | .127 | .040 |   |  |
| 3.0  | .248                  | .132 | .040 | .243 | .130 | .039 | .233                             | .126 | .038 | .224 | .122 | .038 | .215 | .119 | .037 |   |  |
| 4.0  | .233                  | .121 | .036 | .228 | .119 | .035 | .219                             | .116 | .035 | .211 | .113 | .034 | .203 | .110 | .034 |   |  |
| 5.0  | .218                  | .111 | .032 | .214 | .110 | .032 | .206                             | .107 | .032 | .198 | .105 | .031 | .191 | .102 | .031 |   |  |
| 6.0  | .204                  | .102 | .029 | .200 | .101 | .029 | .193                             | .099 | .029 | .186 | .097 | .028 | .180 | .095 | .028 |   |  |
| 7.0  | .191                  | .094 | .027 | .188 | .094 | .027 | .181                             | .092 | .026 | .175 | .090 | .026 | .170 | .088 | .026 |   |  |
| 8.0  | .179                  | .088 | .025 | .176 | .087 | .025 | .171                             | .085 | .024 | .165 | .084 | .024 | .160 | .082 | .024 |   |  |
| 9.0  | .169                  | .082 | .023 | .166 | .081 | .023 | .161                             | .080 | .023 | .156 | .078 | .022 | .152 | .077 | .022 |   |  |
| 10.0 | .159                  | .076 | .021 | .157 | .076 | .021 | .152                             | .075 | .021 | .148 | .073 | .021 | .144 | .072 | .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  | .177                  | .156 | .138 | .152 | .134 | .118 | .104  | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |
| 2.0  | .168                  | .132 | .102 | .144 | .114 | .088 | .099  | .079 | .061 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .160                  | .114 | .077 | .137 | .098 | .067 | .094  | .068 | .047 | .054 | .040 | .028 | .018 | .013 | .009 |   |
| 4.0  | .153                  | .101 | .061 | .131 | .087 | .053 | .090  | .061 | .037 | .052 | .035 | .022 | .017 | .012 | .007 |   |
| 5.0  | .146                  | .090 | .049 | .125 | .078 | .043 | .086  | .054 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .139                  | .082 | .041 | .119 | .071 | .035 | .082  | .049 | .025 | .048 | .029 | .015 | .015 | .010 | .005 |   |
| 7.0  | .132                  | .075 | .034 | .114 | .065 | .030 | .079  | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .126                  | .069 | .029 | .109 | .060 | .026 | .075  | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .121                  | .064 | .026 | .104 | .056 | .023 | .072  | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 |   |
| 10.0 | .115                  | .060 | .023 | .099 | .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:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |      |      |      |                  |                |      |                     |      |      |
| NAME: LED Explosion-proof Flood Light  |                  |      |      |      | TYPE:Floodlight  |                |      | WEIGHT:N/A          |      |      |
| SPEC.:40W  |                  |      |      |      | DIM.: 130*1200mm |                |      | 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  | 17.2             | 18.6 | 17.4 | 18.8 | 19.0             | 14.8           | 16.3 | 15.1                | 16.5 | 16.7 |
| 3H   | 18.3             | 19.6 | 18.6 | 19.9 | 20.1             | 14.8           | 16.2 | 15.1                | 16.4 | 16.6 |
| 4H   | 18.6             | 19.9 | 18.9 | 20.1 | 20.4             | 14.8           | 16.1 | 15.2                | 16.3 | 16.6 |
| 6H   | 18.7             | 19.9 | 19.0 | 20.2 | 20.4             | 14.8           | 15.9 | 15.1                | 16.2 | 16.5 |
| 8H   | 18.7             | 19.8 | 19.0 | 20.1 | 20.4             | 14.7           | 15.8 | 15.0                | 16.1 | 16.4 |
| 12H  | 18.7             | 19.7 | 19.0 | 20.0 | 20.3             | 14.7           | 15.8 | 15.0                | 16.0 | 16.3 |
| 4H 2H  | 17.3             | 18.6 | 17.6 | 18.8 | 19.1             | 15.3           | 16.5 | 15.6                | 16.8 | 17.0 |
| 3H   | 18.6             | 19.6 | 18.9 | 19.9 | 20.2             | 15.4           | 16.4 | 15.7                | 16.7 | 17.0 |
| 4H   | 18.9             | 19.9 | 19.3 | 20.2 | 20.6             | 15.4           | 16.4 | 15.7                | 16.7 | 17.0 |
| 6H   | 19.1             | 19.9 | 19.5 | 20.3 | 20.7             | 15.3           | 16.2 | 15.7                | 16.5 | 16.9 |
| 8H   | 19.1             | 19.9 | 19.5 | 20.2 | 20.6             | 15.3           | 16.1 | 15.7                | 16.4 | 16.8 |
| 12H  | 19.0             | 19.8 | 19.5 | 20.2 | 20.6             | 15.2           | 16.0 | 15.7                | 16.3 | 16.7 |
| 8H 4H  | 18.8             | 19.6 | 19.2 | 20.0 | 20.4             | 15.4           | 16.2 | 15.8                | 16.6 | 16.9 |
| 6H   | 19.0             | 19.6 | 19.4 | 20.0 | 20.5             | 15.4           | 16.0 | 15.8                | 16.4 | 16.8 |
| 8H   | 19.0             | 19.6 | 19.4 | 20.0 | 20.4             | 15.3           | 15.9 | 15.8                | 16.3 | 16.8 |
| 12H  | 19.0             | 19.5 | 19.4 | 19.9 | 20.4             | 15.3           | 15.8 | 15.8                | 16.2 | 16.7 |
| 12H 4H   | 18.8             | 19.5 | 19.2 | 19.9 | 20.3             | 15.4           | 16.1 | 15.8                | 16.5 | 16.9 |
| 6H   | 18.9             | 19.5 | 19.4 | 19.9 | 20.4             | 15.3           | 15.9 | 15.8                | 16.3 | 16.8 |
| 8H   | 19.0             | 19.4 | 19.4 | 19.9 | 20.4             | 15.3           | 15.8 | 15.8                | 16.2 | 16.7 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                  |                |      |                     |      |      |
| S = 1.0H   | + 0.2 / - 0.3    |      |      |      |                  | + 0.6 / - 0.7  |      |                     |      |      |
| 1.5H   | + 0.3 / - 0.7    |      |      |      |                  | + 0.6 / - 1.3  |      |                     |      |      |
| 2.0H   | + 0.5 / - 0.3    |      |      |      |                  | + 2.0 / - 6.3  |      |                     |      |      |

CIE Pub.117, 4436 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 5.2$ )

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A         | Shielding Angle:N/A |

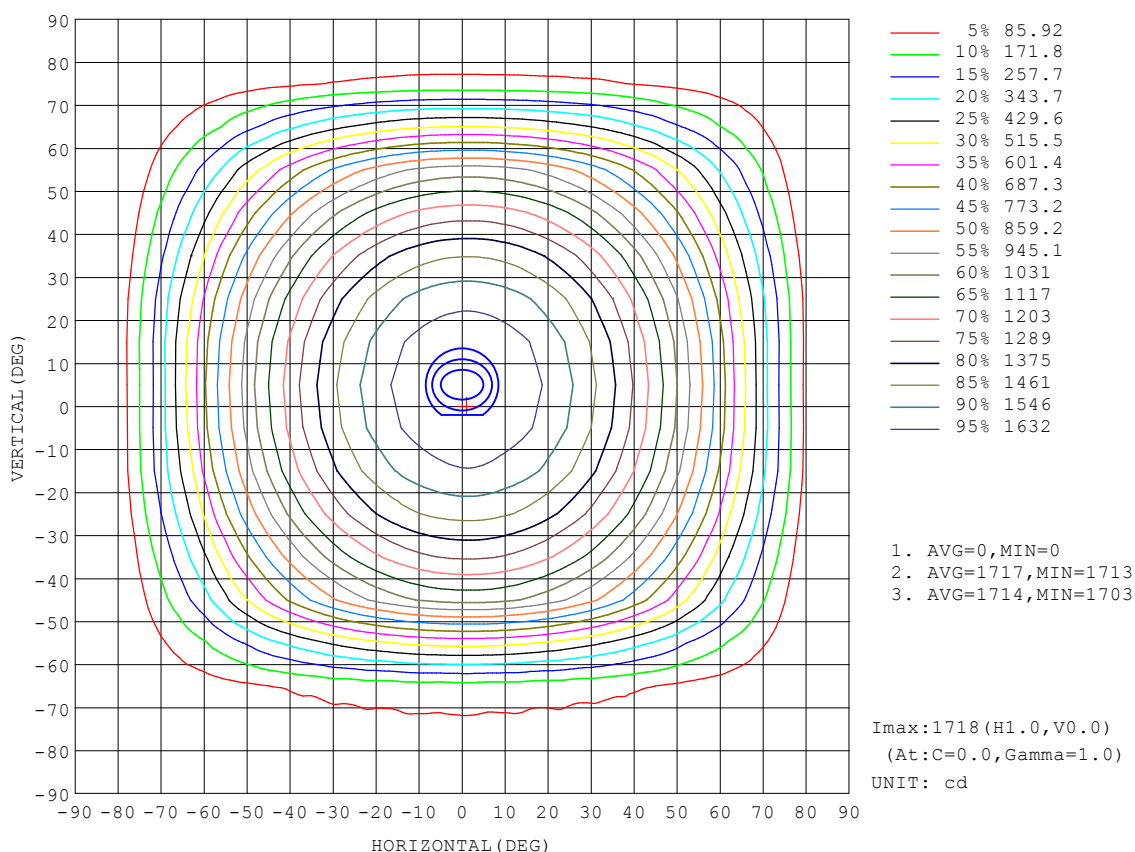
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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   | 49  | 42        | 59  | 48  | 42  | 58  | 48            | 42  | 35     |
| 0.80                             | 70   | 59  | 52        | 69  | 59  | 52  | 68  | 58            | 52  | 45     |
| 1.00                             | 79   | 69  | 62        | 78  | 68  | 62  | 76  | 70            | 61  | 55     |
| 1.25                             | 86   | 77  | 70        | 85  | 76  | 70  | 82  | 75            | 69  | 62     |
| 1.50                             | 91   | 82  | 76        | 90  | 81  | 76  | 87  | 80            | 74  | 67     |
| 2.00                             | 98   | 90  | 85        | 96  | 89  | 84  | 93  | 87            | 82  | 75     |
| 2.50                             | 101  | 95  | 89        | 99  | 93  | 88  | 96  | 91            | 86  | 79     |
| 3.00                             | 105  | 98  | 94        | 102 | 97  | 93  | 99  | 94            | 90  | 82     |
| 4.00                             | 108  | 103 | 99        | 106 | 101 | 98  | 102 | 98            | 95  | 87     |
| 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 |     |     |     |     | SHRNOM = 1.25 |     |        |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:01 June 2018

$V(B)$  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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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:01 June 2018

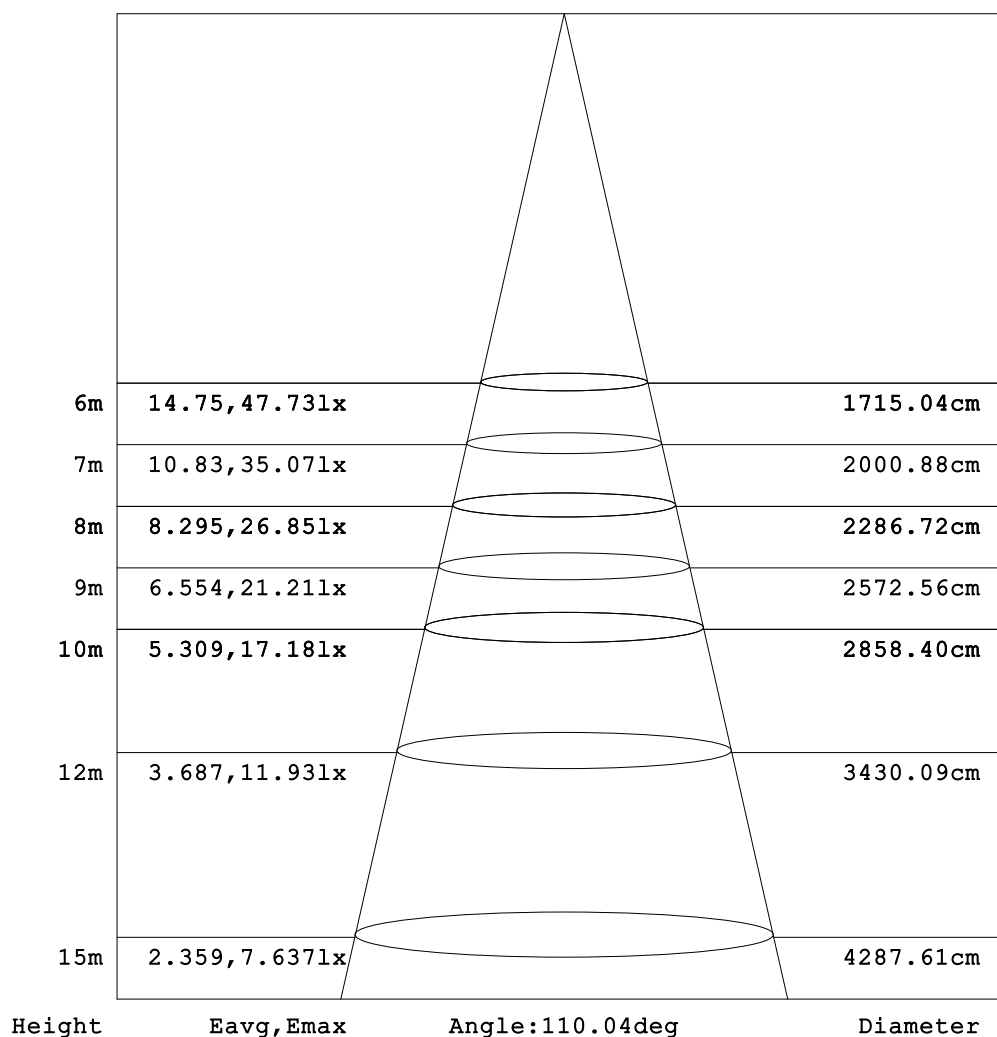
V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### AAI Figure

|  |                  |                     |
|--|------------------|---------------------|
| Test:U:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A         | Shielding Angle:N/A |

Flux out:3531 lm



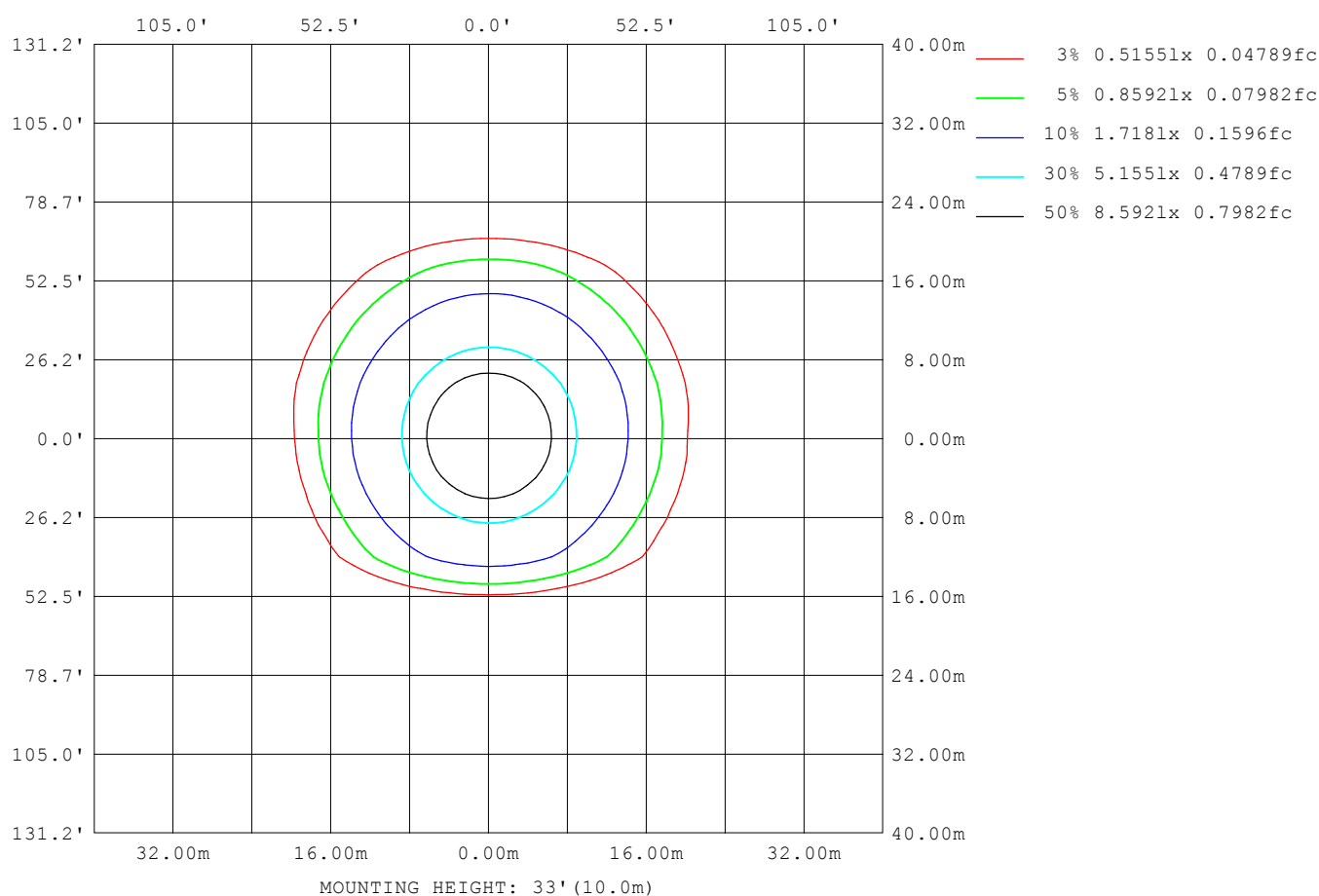
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A         | Shielding Angle:N/A |

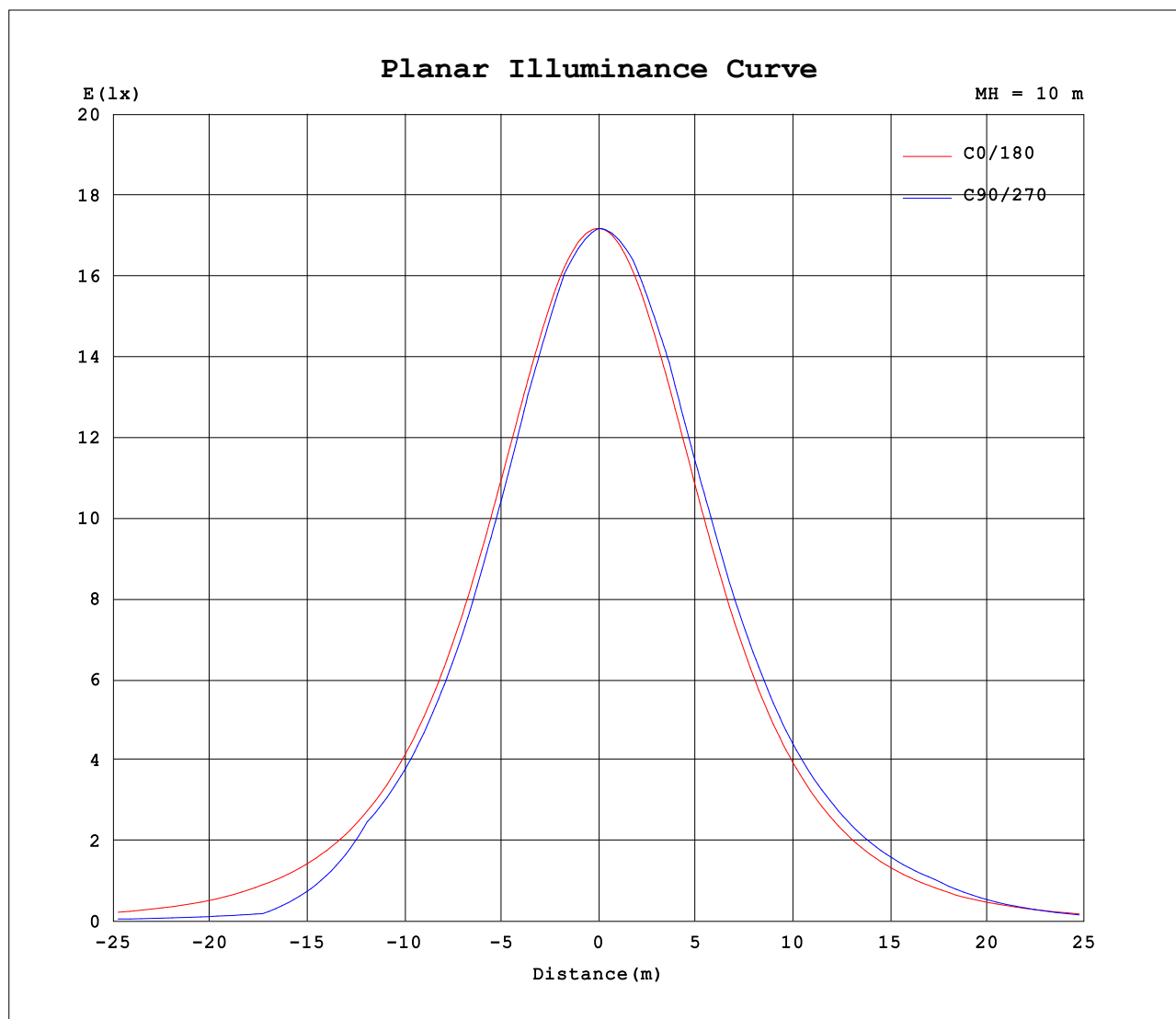
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 12185 |
| L_0~180 (75) av  | 7505  |
| L_0~180 (85) av  | 962   |
| L_90~270 (65) av | 7746  |
| L_90~270 (75) av | 3301  |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 10820 |
| L_45 (75) av     | 4306  |
| L_45 (85) av     | 420   |

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:01 June 2018

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:01 June 2018

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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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:01 June 2018

```
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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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:01 June 2018

```
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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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:01 June 2018

```
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:120.14V I:0.3210A P:38.128W PF:0.9886 Freq:59.98Hz Lamp Flux:4436.25x1 lm |                  |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight  | WEIGHT:N/A          |
| SPEC.:40W  | DIM.: 130*1200mm | 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:01 June 2018

```
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:
```