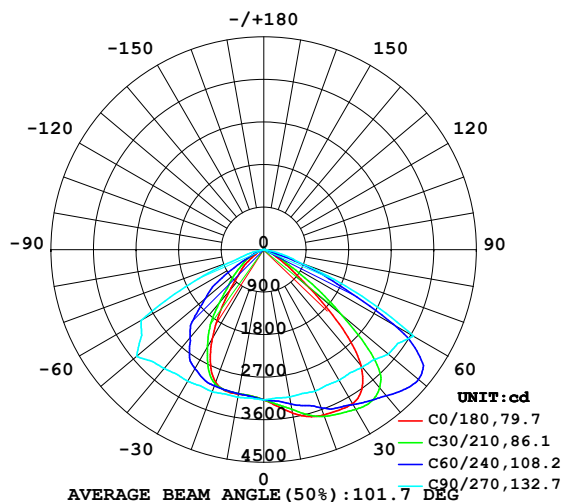


# LUMINAIRE PHOTOMETRIC TEST REPORT

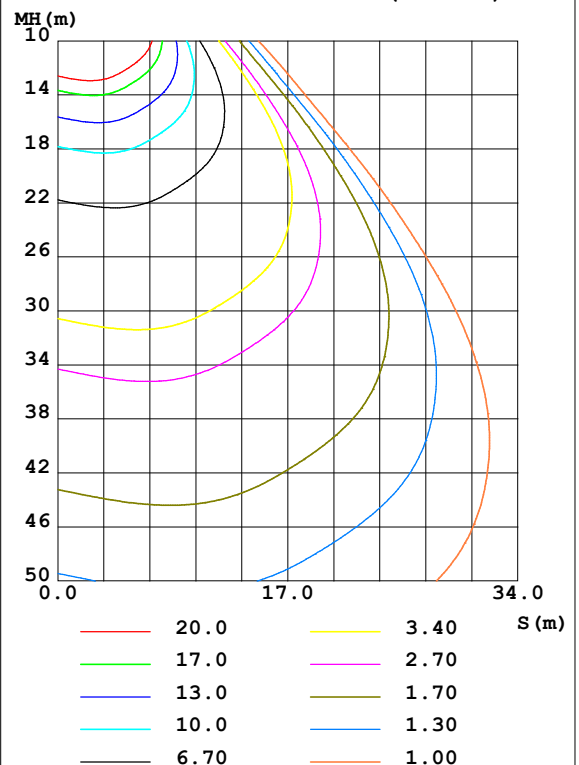
|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

| DATA OF LAMP                       |         | PHOTOMETRIC DATA Eff: 115.76 lm/W |        |                        |          |
|------------------------------------|---------|-----------------------------------|--------|------------------------|----------|
| NJZ-FEL-MODEL-V04-RN-T2-1-T (480V) |         | Imax(cd)                          | 4923   | S/MH(C0/180)           | 1.03     |
| NOMINAL POWER(W)                   | 80      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.57     |
| RATED VOLTAGE(V)                   | 480     | TOTAL FLUX(lm)                    | 9302.2 | $\eta$ UP,DN(C0-180)   | 0.0,51.2 |
| NOMINAL FLUX(lm)                   | 9302.16 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,48.8 |
| LAMPS INSIDE                       | 1       | $\eta$ up(%)                      | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)                    | 480     | $\eta$ 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:04 June 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       | 3507                  | 3385  | 3167  | 3085  | 3104   | 3089  | 3170  | 3385  | 0- 10    | 305.5       | 305.5        | 3.28,3.28  |
| 20       | 3721                  | 3687  | 3186  | 3032  | 2983   | 3038  | 3200  | 3688  | 10- 20   | 932.0       | 1238         | 13.3,13.3  |
| 30       | 3760                  | 3919  | 3189  | 2708  | 2184   | 2697  | 3217  | 3938  | 20- 30   | 1514        | 2752         | 29.6,29.6  |
| 40       | 3201                  | 4078  | 3243  | 2013  | 1109   | 1955  | 3279  | 4127  | 30- 40   | 1918        | 4669         | 50.2,50.2  |
| 50       | 1263                  | 3450  | 3443  | 1175  | 561.9  | 1112  | 3515  | 3472  | 40- 50   | 2009        | 6679         | 71.8,71.8  |
| 60       | 301.9                 | 993.4 | 3657  | 608.0 | 219.6  | 553.5 | 2995  | 853.9 | 50- 60   | 1607        | 8286         | 89.1,89.1  |
| 70       | 179.0                 | 185.3 | 802.8 | 227.3 | 129.3  | 141.0 | 605.1 | 149.5 | 60- 70   | 822.5       | 9109         | 97.9,97.9  |
| 80       | 66.00                 | 47.09 | 89.85 | 40.84 | 36.47  | 30.00 | 21.69 | 35.24 | 70- 80   | 178.4       | 9287         | 99.8,99.8  |
| 90       | 0.6316                | 0     | 0     | 0     | 0.7607 | 0     | 0     | 0     | 80- 90   | 15.14       | 9302         | 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): 5692.6 lm

%lum = 61.2%

%lamp = 61.2%

Conical surface Flux(120deg): 8286.1 lm

%lum = 89.1%

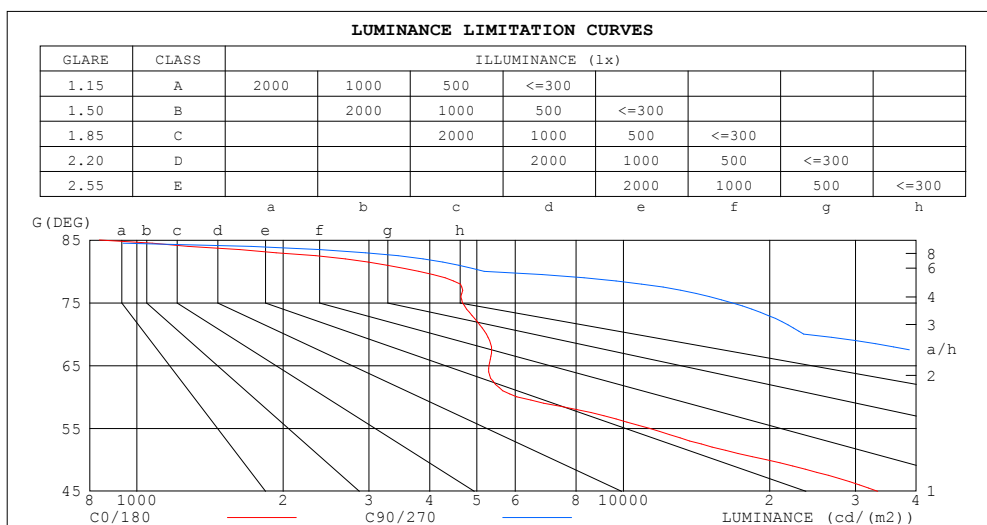
%lamp = 89.1%

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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                | 838    | 0       |
| 80                | 3801   | 5174    |
| 75                | 4674   | 16712   |
| 70                | 5235   | 23472   |
| 65                | 5293   | 51127   |
| 60                | 6038   | 73142   |
| 55                | 11302  | 60339   |
| 50                | 19645  | 53559   |
| 45                | 33304  | 46565   |

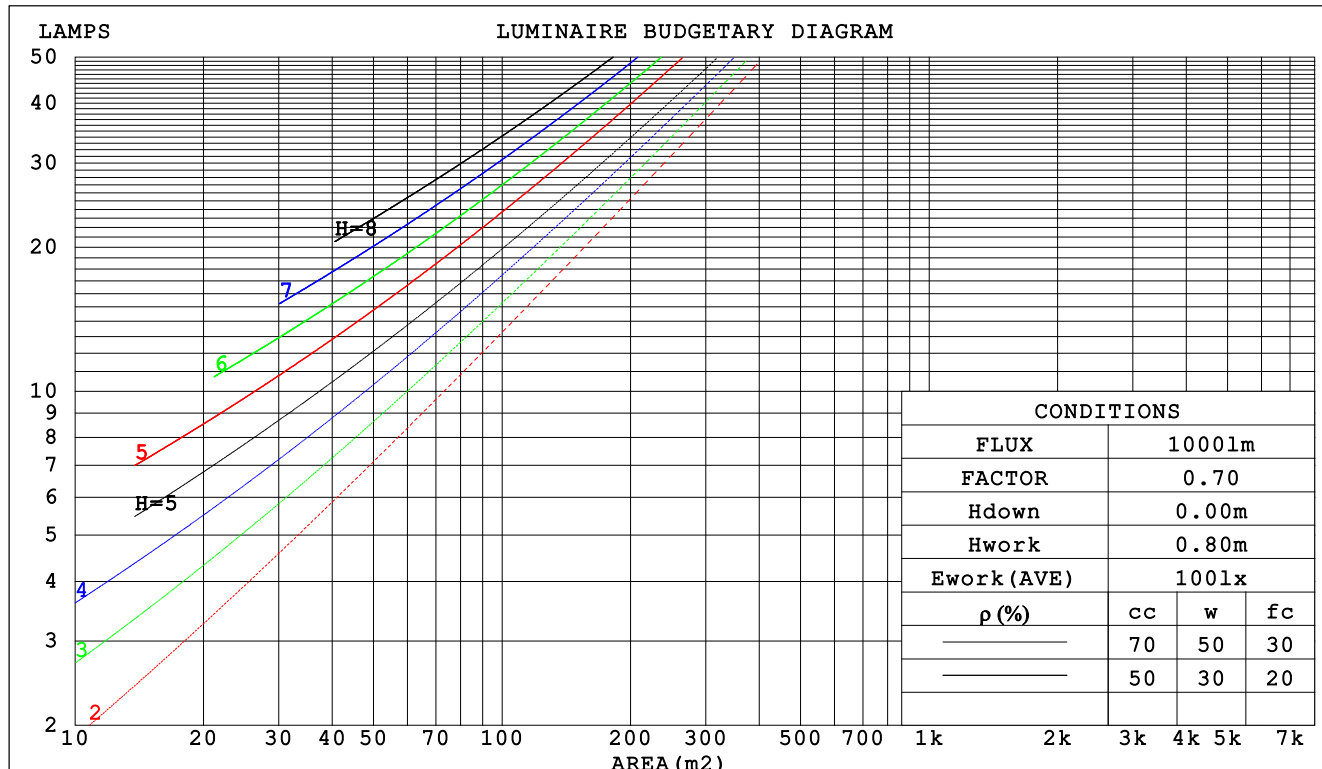
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:04 June 2019

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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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 | 1.00 |
| 1.0  | 1.06                  | 1.03 | .00  | 1.04 | 1.01 | .98  | 1.00                            | .97  | .95  | .96  | .94  | .92  | .93  | .91  | .89  | .87  |
| 2.0  | .94                   | .88  | .83  | .92  | .87  | .82  | .89                             | .84  | .80  | .86  | .82  | .78  | .83  | .80  | .77  | .75  |
| 3.0  | .83                   | .76  | .70  | .82  | .75  | .70  | .79                             | .73  | .68  | .76  | .71  | .67  | .74  | .70  | .66  | .64  |
| 4.0  | .74                   | .66  | .60  | .73  | .65  | .60  | .71                             | .64  | .59  | .68  | .63  | .58  | .66  | .61  | .57  | .55  |
| 5.0  | .67                   | .58  | .52  | .65  | .57  | .52  | .63                             | .56  | .51  | .61  | .55  | .50  | .60  | .54  | .50  | .48  |
| 6.0  | .60                   | .51  | .45  | .59  | .51  | .45  | .57                             | .50  | .45  | .56  | .49  | .44  | .54  | .48  | .44  | .42  |
| 7.0  | .54                   | .46  | .40  | .53  | .45  | .40  | .52                             | .45  | .39  | .51  | .44  | .39  | .49  | .43  | .39  | .37  |
| 8.0  | .49                   | .41  | .36  | .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  | .30  |
| 10.0 | .42                   | .34  | .29  | .41  | .34  | .29  | .40                             | .33  | .29  | .39  | .33  | .28  | .38  | .33  | .28  | .27  |



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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  | .260                  | .148 | .047 | .253 | .144 | .046 | .240                             | .138 | .044 | .228 | .131 | .042 | .217 | .126 | .041 |   |  |
| 2.0  | .256                  | .140 | .043 | .250 | .137 | .042 | .238                             | .132 | .041 | .228 | .128 | .040 | .218 | .123 | .039 |   |  |
| 3.0  | .244                  | .130 | .039 | .238 | .128 | .038 | .228                             | .124 | .038 | .219 | .120 | .037 | .210 | .116 | .036 |   |  |
| 4.0  | .230                  | .119 | .035 | .225 | .118 | .035 | .216                             | .115 | .034 | .208 | .112 | .034 | .200 | .109 | .033 |   |  |
| 5.0  | .216                  | .110 | .032 | .212 | .109 | .032 | .204                             | .106 | .031 | .196 | .104 | .031 | .189 | .101 | .030 |   |  |
| 6.0  | .203                  | .102 | .029 | .199 | .100 | .029 | .192                             | .098 | .029 | .185 | .096 | .028 | .179 | .094 | .028 |   |  |
| 7.0  | .190                  | .094 | .027 | .187 | .093 | .027 | .181                             | .091 | .026 | .175 | .090 | .026 | .169 | .088 | .026 |   |  |
| 8.0  | .179                  | .087 | .025 | .176 | .087 | .025 | .170                             | .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 | .074 | .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                  | .157 | .138 | .151 | .134 | .119 | .104  | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |
| 2.0  | .167                  | .132 | .102 | .143 | .114 | .089 | .098  | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .159                  | .114 | .078 | .137 | .098 | .068 | .094  | .068 | .047 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0  | .152                  | .101 | .061 | .130 | .087 | .053 | .090  | .061 | .037 | .052 | .035 | .022 | .017 | .012 | .007 |   |
| 5.0  | .145                  | .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 | .030 | .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:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                  |      |      |      |                 |                |      |                     |      |      |
| NAME: LED Explosion-proof Flood Light  |                  |      |      |      | TYPE:Floodlight |                |      | WEIGHT:N/A          |      |      |
| SPEC.:80W/OSLON Square/3000K   |                  |      |      |      | DIM.: N/A       |                |      | 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  | 15.5             | 16.9 | 15.7 | 17.1 | 17.3            | 23.2           | 24.7 | 23.5                | 24.9 | 25.1 |
| 3H   | 15.4             | 16.7 | 15.7 | 16.9 | 17.2            | 24.0           | 25.4 | 24.3                | 25.6 | 25.8 |
| 4H   | 15.4             | 16.6 | 15.7 | 16.9 | 17.1            | 24.1           | 25.3 | 24.4                | 25.6 | 25.8 |
| 6H   | 15.4             | 16.5 | 15.7 | 16.8 | 17.1            | 24.0           | 25.2 | 24.3                | 25.4 | 25.7 |
| 8H   | 15.3             | 16.5 | 15.7 | 16.7 | 17.0            | 24.0           | 25.1 | 24.3                | 25.4 | 25.6 |
| 12H  | 15.3             | 16.4 | 15.6 | 16.6 | 16.9            | 23.9           | 25.0 | 24.3                | 25.3 | 25.6 |
| 4H 2H  | 16.6             | 17.9 | 16.9 | 18.1 | 18.4            | 23.0           | 24.2 | 23.3                | 24.5 | 24.7 |
| 3H   | 16.6             | 17.7 | 16.9 | 18.0 | 18.2            | 23.9           | 25.0 | 24.3                | 25.3 | 25.6 |
| 4H   | 16.6             | 17.6 | 17.0 | 17.9 | 18.2            | 24.0           | 24.9 | 24.3                | 25.3 | 25.6 |
| 6H   | 16.6             | 17.5 | 17.0 | 17.8 | 18.2            | 23.9           | 24.8 | 24.3                | 25.1 | 25.5 |
| 8H   | 16.6             | 17.4 | 17.0 | 17.7 | 18.1            | 23.9           | 24.7 | 24.3                | 25.1 | 25.4 |
| 12H  | 16.5             | 17.3 | 17.0 | 17.6 | 18.0            | 23.9           | 24.6 | 24.3                | 25.0 | 25.4 |
| 8H 4H  | 16.7             | 17.4 | 17.1 | 17.8 | 18.2            | 23.8           | 24.6 | 24.2                | 25.0 | 25.4 |
| 6H   | 16.7             | 17.3 | 17.1 | 17.7 | 18.2            | 23.8           | 24.5 | 24.3                | 24.9 | 25.3 |
| 8H   | 16.7             | 17.2 | 17.1 | 17.7 | 18.1            | 23.8           | 24.4 | 24.2                | 24.8 | 25.2 |
| 12H  | 16.7             | 17.1 | 17.1 | 17.6 | 18.1            | 23.8           | 24.2 | 24.2                | 24.7 | 25.1 |
| 12H 4H   | 16.6             | 17.3 | 17.1 | 17.7 | 18.1            | 23.8           | 24.5 | 24.2                | 24.9 | 25.3 |
| 6H   | 16.7             | 17.2 | 17.1 | 17.6 | 18.1            | 23.8           | 24.3 | 24.2                | 24.8 | 25.2 |
| 8H   | 16.7             | 17.1 | 17.1 | 17.6 | 18.1            | 23.8           | 24.2 | 24.2                | 24.7 | 25.1 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                 |                |      |                     |      |      |
| S = 1.0H   | + 2.0 / - 4.5    |      |      |      |                 | + 1.4 / - 1.7  |      |                     |      |      |
| 1.5H   | + 1.3 / - 3.5    |      |      |      |                 | + 1.6 / - 2.5  |      |                     |      |      |
| 2.0H   | + 3.3 / - 6.1    |      |      |      |                 | + 2.6 / - 3.7  |      |                     |      |      |

CIE Pub.117, 9302 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 7.7$ )

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

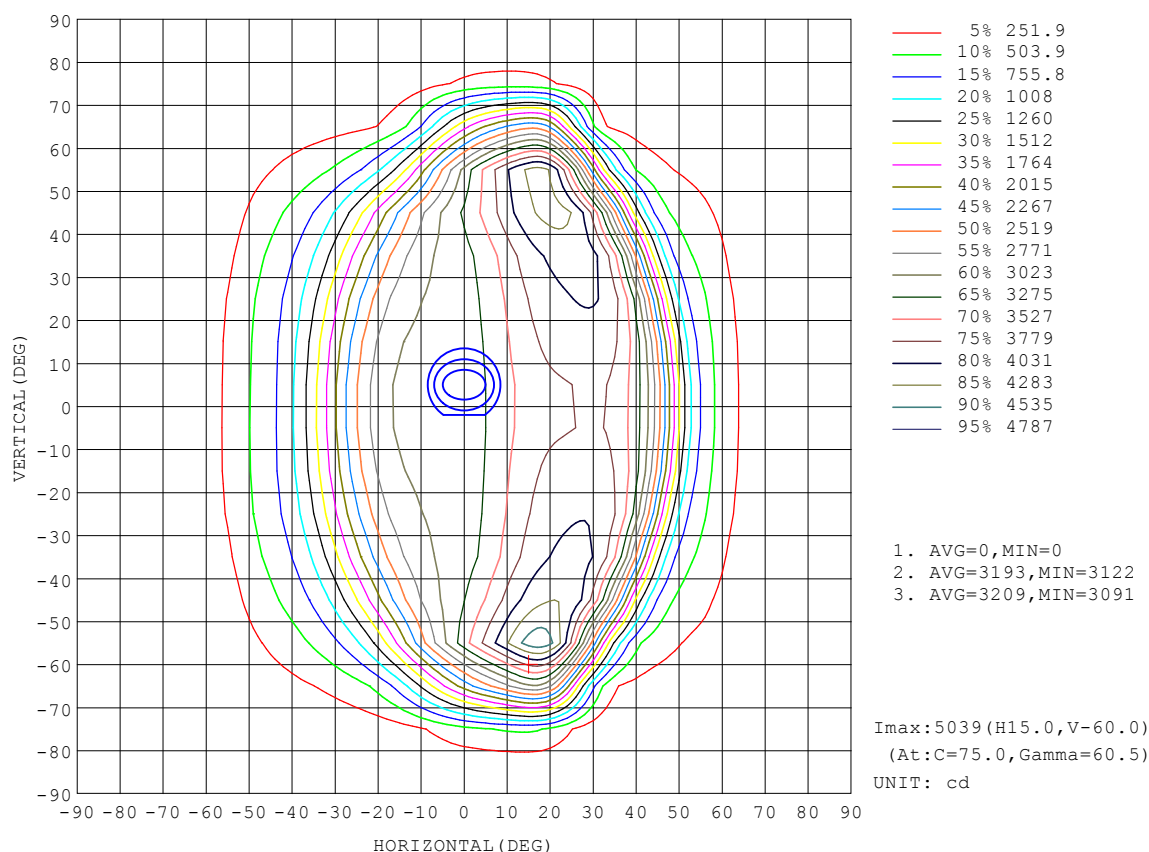
| REFLECTANCE                      |  |     |           |     |     |     |     |                |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|----------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 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                             | 71   | 60  | 53        | 70  | 59  | 53  | 68  | 59             | 52  | 46     |
| 1.00                             | 80   | 70  | 63        | 79  | 69  | 63  | 77  | 70             | 62  | 56     |
| 1.25                             | 87   | 78  | 71        | 86  | 77  | 71  | 83  | 76             | 70  | 63     |
| 1.50                             | 92   | 83  | 77        | 90  | 82  | 77  | 88  | 81             | 76  | 69     |
| 2.00                             | 99   | 91  | 86        | 97  | 90  | 85  | 94  | 88             | 83  | 76     |
| 2.50                             | 102  | 95  | 90        | 100 | 94  | 89  | 96  | 91             | 87  | 80     |
| 3.00                             | 105  | 99  | 94        | 103 | 98  | 93  | 99  | 95             | 91  | 83     |
| 4.00                             | 108  | 104 | 100       | 106 | 102 | 98  | 102 | 99             | 96  | 87     |
| 5.00                             | 110  | 106 | 103       | 108 | 104 | 101 | 104 | 101            | 98  | 89     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |                |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHR NOM = 1.25 |     |        |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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:04 June 2019

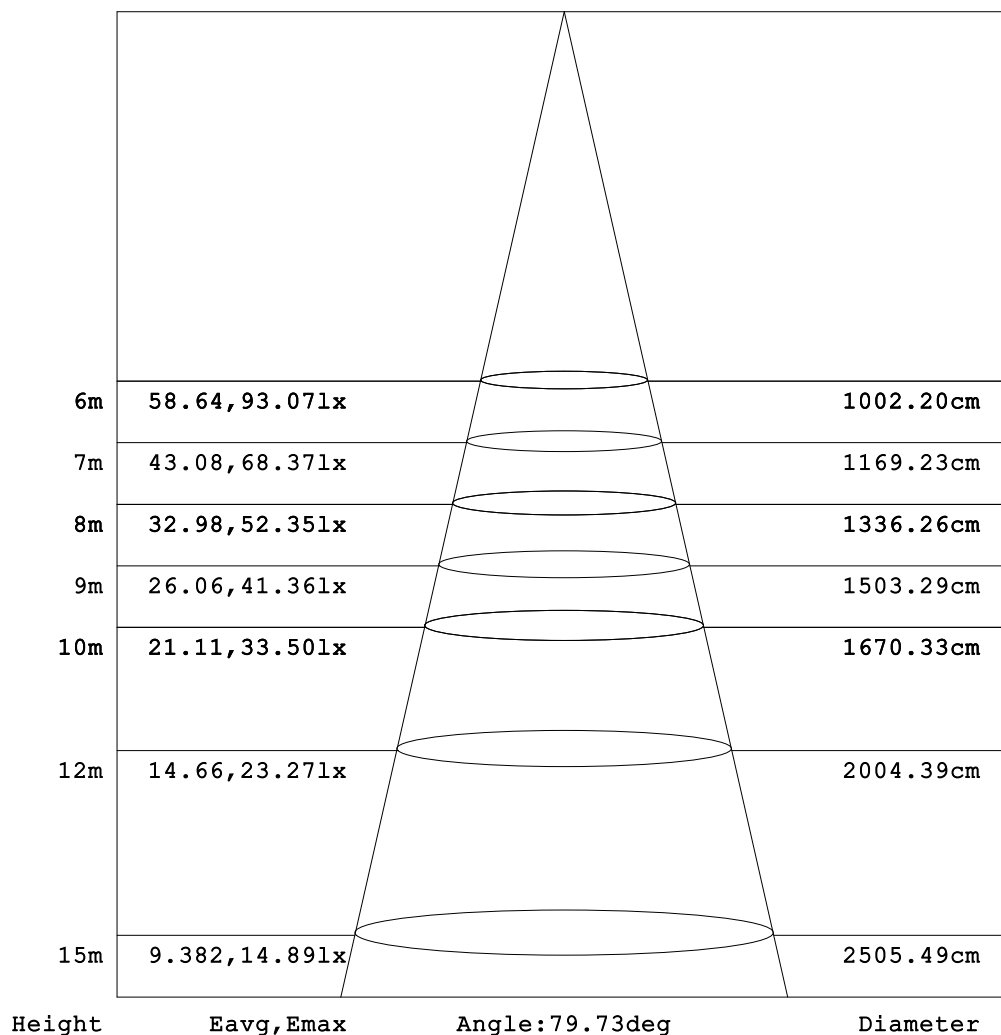
V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### AAI Figure

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Flux out:4669 lm



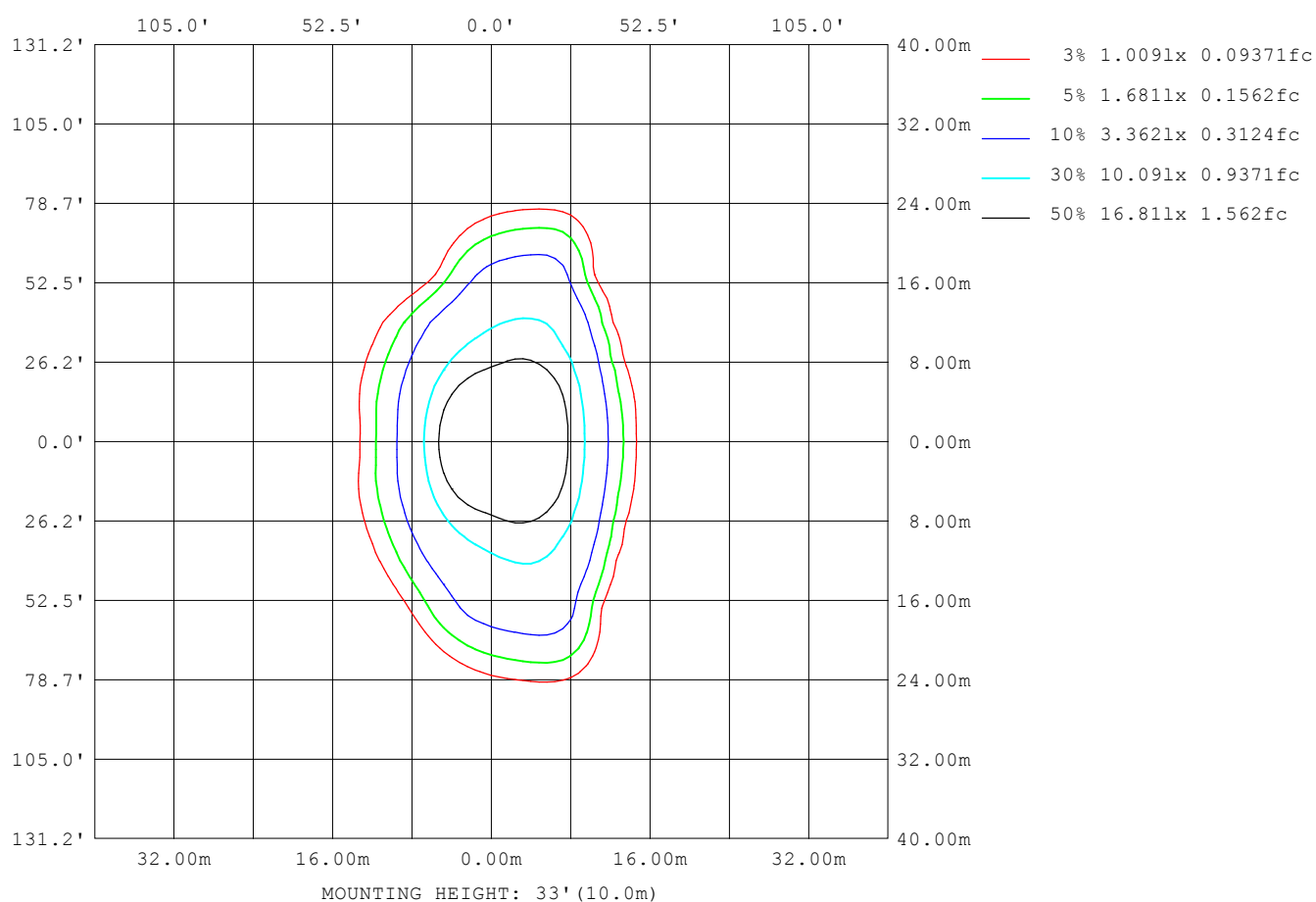
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

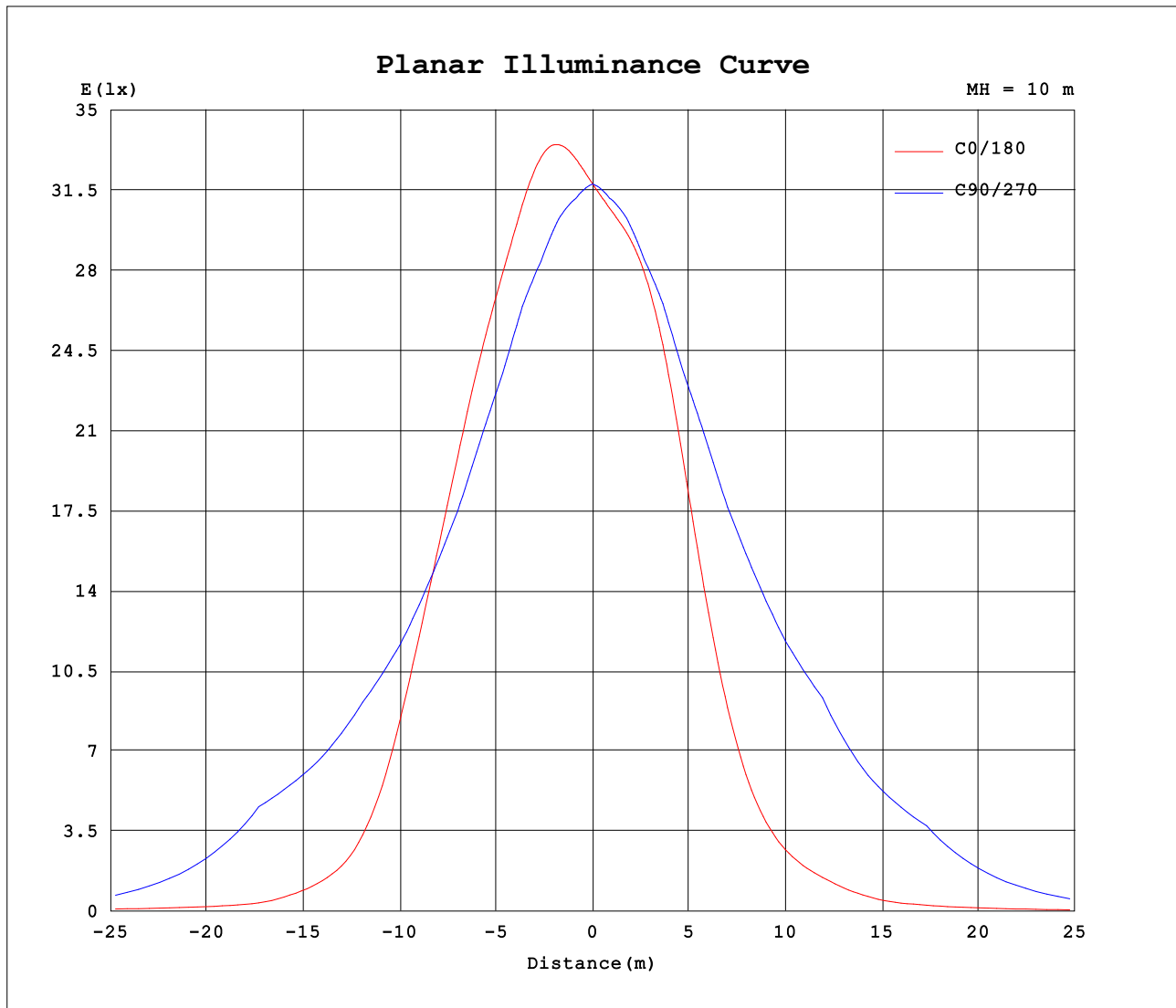
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 4550  |
| L_0~180 (75) av  | 3887  |
| L_0~180 (85) av  | 920   |
| L_90~270 (65) av | 45959 |
| L_90~270 (75) av | 14195 |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 8983  |
| L_45 (75) av     | 3180  |
| L_45 (85) av     | 793   |

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:04 June 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:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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:04 June 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:480.11V I:0.1765A P:80.360W PF:0.9482 Freq:59.98Hz Lamp Flux:9302.16x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:80W/OSLON Square/3000K   | DIM.: N/A       | 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:04 June 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:
```