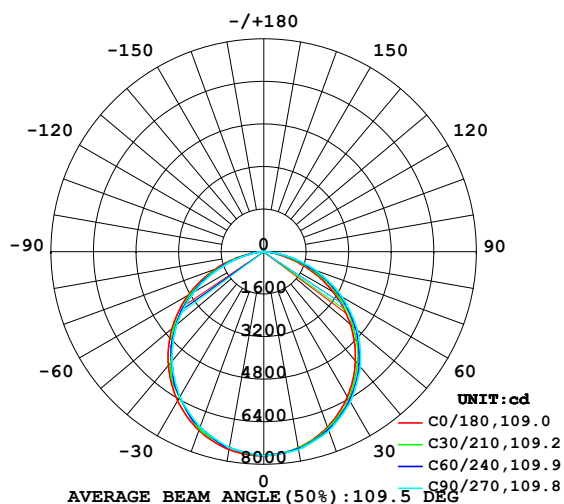


# LUMINAIRE PHOTOMETRIC TEST REPORT

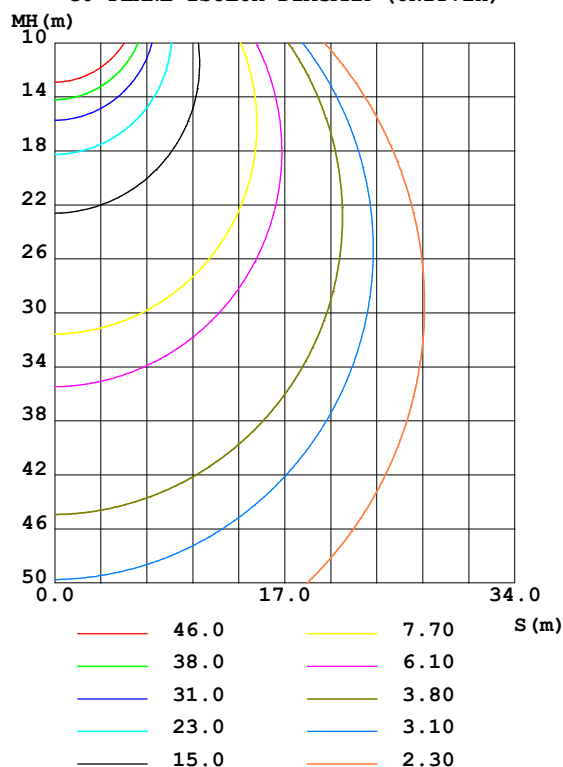
|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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: 104.49 lm/W |        |                        |          |
|-----------------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL M-200-V04-RZ-T5-25-FP |         | Imax(cd)                          | 7674   | S/MH(C0/180)           | 1.25     |
| NOMINAL POWER(W)            | 200     | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.23     |
| RATED VOLTAGE(V)            | 480     | TOTAL FLUX(lm)                    | 20759  | $\eta$ UP,DN(C0-180)   | 0.0,51.3 |
| NOMINAL FLUX(lm)            | 20758.8 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,48.7 |
| 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:12 March 2020

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       | 7487                  | 7508  | 7559  | 7528  | 7554  | 7478  | 7487  | 7457  | 0- 10    | 722.8       | 722.8        | 3.48, 3.48 |
| 20       | 7018                  | 7101  | 7170  | 7115  | 7146  | 7017  | 7022  | 7000  | 10- 20   | 2064        | 2787         | 13.4, 13.4 |
| 30       | 6298                  | 6422  | 6519  | 6491  | 6478  | 6349  | 6308  | 6275  | 20- 30   | 3112        | 5899         | 28.4, 28.4 |
| 40       | 5365                  | 5527  | 5652  | 5641  | 5587  | 5464  | 5380  | 5342  | 30- 40   | 3726        | 9625         | 46.4, 46.4 |
| 50       | 4254                  | 4450  | 4598  | 4594  | 4510  | 4381  | 4275  | 4229  | 40- 50   | 3825        | 13450        | 64.8, 64.8 |
| 60       | 2997                  | 3241  | 3396  | 3370  | 3281  | 3121  | 3017  | 2986  | 50- 60   | 3393        | 16843        | 81.1, 81.1 |
| 70       | 1648                  | 1941  | 2083  | 2032  | 1944  | 1755  | 1656  | 1655  | 60- 70   | 2481        | 19325        | 93.1, 93.1 |
| 80       | 406.2                 | 690.9 | 772.4 | 745.7 | 641.4 | 510.4 | 398.3 | 458.4 | 70- 80   | 1254        | 20579        | 99.1, 99.1 |
| 90       | 6.076                 | 0     | 0     | 0     | 4.541 | 0     | 0     | 0     | 80- 90   | 180.1       | 20759        | 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): 11559 lm

%lum = 55.7%

%lamp = 55.7%

Conical surface Flux(120deg): 16843 lm

%lum = 81.1%

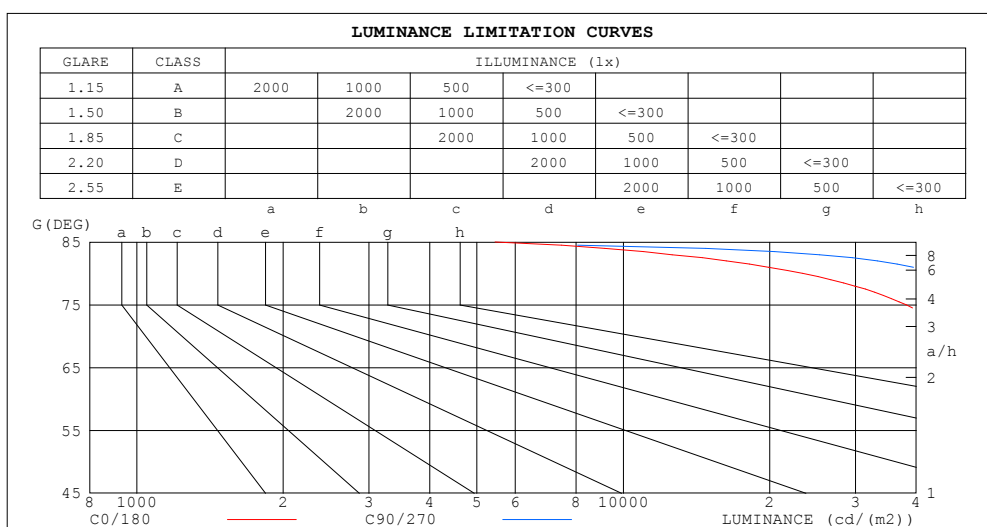
%lamp = 81.1%

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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                | 5449   | 0       |
| 80                | 23392  | 44480   |
| 75                | 38113  | 55211   |
| 70                | 48191  | 60909   |
| 65                | 55096  | 64848   |
| 60                | 59935  | 67910   |
| 55                | 63476  | 69707   |
| 50                | 66187  | 71539   |
| 45                | 68292  | 72496   |

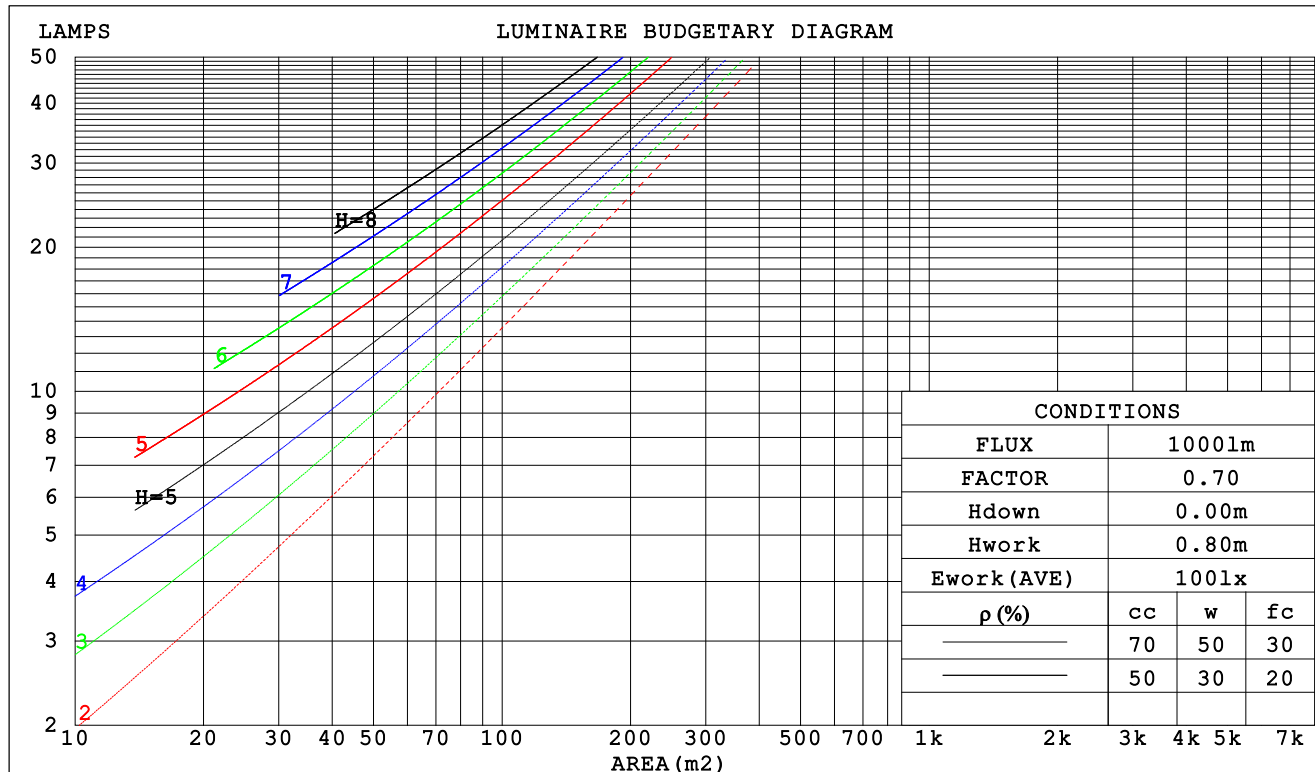
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | DIM.: N/A       | 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         | 1.05                  | 1.01 | .97  | 1.02 | .99  | .95  | .98                             | .95  | .92  | .94  | .92  | .90  | .91  | .89  | .87  | .85  |
| 2.0         | .92                   | .85  | .79  | .90  | .84  | .78  | .86                             | .81  | .77  | .83  | .79  | .75  | .80  | .76  | .73  | .71  |
| 3.0         | .81                   | .73  | .66  | .79  | .72  | .66  | .76                             | .70  | .64  | .73  | .68  | .63  | .71  | .66  | .62  | .60  |
| 4.0         | .71                   | .63  | .56  | .70  | .62  | .56  | .68                             | .61  | .55  | .65  | .59  | .54  | .63  | .58  | .54  | .51  |
| 5.0         | .64                   | .55  | .48  | .63  | .54  | .48  | .61                             | .53  | .48  | .59  | .52  | .47  | .57  | .51  | .47  | .44  |
| 6.0         | .57                   | .49  | .42  | .57  | .48  | .42  | .55                             | .47  | .42  | .53  | .46  | .41  | .51  | .46  | .41  | .39  |
| 7.0         | .52                   | .43  | .37  | .51  | .43  | .37  | .50                             | .42  | .37  | .48  | .42  | .37  | .47  | .41  | .36  | .34  |
| 8.0         | .48                   | .39  | .33  | .47  | .39  | .33  | .46                             | .38  | .33  | .44  | .38  | .33  | .43  | .37  | .33  | .31  |
| 9.0         | .44                   | .36  | .30  | .43  | .35  | .30  | .42                             | .35  | .30  | .41  | .34  | .30  | .40  | .34  | .29  | .28  |
| 10.0        | .40                   | .32  | .27  | .40  | .32  | .27  | .39                             | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .27  | .25  |



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:CL  
 Test Date:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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  | .293                  | .167 | .053 | .286 | .163 | .052 | .273                             | .157 | .050 | .261 | .150 | .048 | .250 | .145 | .047 |   |  |
| 2.0  | .281                  | .154 | .047 | .275 | .151 | .047 | .263                             | .146 | .045 | .253 | .142 | .044 | .243 | .137 | .043 |   |  |
| 3.0  | .262                  | .140 | .042 | .257 | .138 | .041 | .247                             | .134 | .041 | .237 | .130 | .040 | .228 | .127 | .039 |   |  |
| 4.0  | .244                  | .127 | .037 | .239 | .125 | .037 | .230                             | .122 | .036 | .221 | .119 | .036 | .213 | .116 | .035 |   |  |
| 5.0  | .226                  | .115 | .033 | .222 | .114 | .033 | .214                             | .111 | .033 | .206 | .109 | .032 | .199 | .106 | .032 |   |  |
| 6.0  | .210                  | .105 | .030 | .207 | .104 | .030 | .199                             | .102 | .030 | .193 | .100 | .029 | .186 | .098 | .029 |   |  |
| 7.0  | .196                  | .097 | .027 | .193 | .096 | .027 | .186                             | .094 | .027 | .180 | .092 | .027 | .175 | .091 | .027 |   |  |
| 8.0  | .184                  | .090 | .025 | .181 | .089 | .025 | .175                             | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .025 |   |  |
| 9.0  | .172                  | .083 | .023 | .170 | .083 | .023 | .164                             | .081 | .023 | .159 | .080 | .023 | .155 | .079 | .023 |   |  |
| 10.0 | .162                  | .078 | .022 | .160 | .077 | .022 | .155                             | .076 | .021 | .151 | .075 | .021 | .146 | .074 | .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  | .179                  | .156 | .136 | .153 | .134 | .117 | .105  | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0  | .171                  | .132 | .099 | .146 | .114 | .086 | .100  | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0  | .163                  | .114 | .075 | .140 | .099 | .065 | .096  | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .155                  | .101 | .059 | .133 | .087 | .051 | .092  | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0  | .148                  | .090 | .048 | .127 | .078 | .042 | .088  | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0  | .141                  | .082 | .040 | .121 | .071 | .034 | .084  | .050 | .024 | .049 | .029 | .015 | .016 | .010 | .005 |   |
| 7.0  | .134                  | .075 | .034 | .116 | .065 | .029 | .080  | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .128                  | .069 | .029 | .110 | .060 | .025 | .076  | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .122                  | .064 | .025 | .105 | .056 | .022 | .073  | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .116                  | .060 | .023 | .100 | .052 | .020 | .070  | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                  |      |      |      |                 |                |      |                     |      |      |      |
| NAME: LED Explosion-proof Flood Light  |                  |      |      |      | TYPE:Floodlight |                |      | WEIGHT:N/A          |      |      |      |
| SPEC.:200W   |                  |      |      |      | 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  | 2H               | 16.8 | 18.3 | 17.1 | 18.5            | 18.7           | 17.2 | 18.7                | 17.5 | 18.9 | 19.1 |
|  | 3H               | 18.1 | 19.5 | 18.4 | 19.7            | 20.0           | 18.7 | 20.1                | 19.0 | 20.3 | 20.6 |
|  | 4H               | 18.5 | 19.8 | 18.8 | 20.1            | 20.3           | 19.3 | 20.6                | 19.6 | 20.9 | 21.1 |
|  | 6H               | 18.7 | 19.9 | 19.0 | 20.2            | 20.5           | 19.7 | 20.9                | 20.0 | 21.2 | 21.4 |
|  | 8H               | 18.7 | 19.9 | 19.0 | 20.1            | 20.4           | 19.7 | 20.9                | 20.1 | 21.2 | 21.5 |
|  | 12H              | 18.6 | 19.8 | 19.0 | 20.1            | 20.4           | 19.7 | 20.8                | 20.0 | 21.1 | 21.4 |
| 4H   | 2H               | 17.5 | 18.8 | 17.8 | 19.0            | 19.3           | 17.8 | 19.1                | 18.1 | 19.3 | 19.6 |
|  | 3H               | 18.9 | 20.1 | 19.3 | 20.4            | 20.7           | 19.5 | 20.6                | 19.8 | 20.9 | 21.2 |
|  | 4H               | 19.4 | 20.5 | 19.8 | 20.8            | 21.1           | 20.1 | 21.2                | 20.5 | 21.5 | 21.8 |
|  | 6H               | 19.7 | 20.6 | 20.1 | 21.0            | 21.3           | 20.6 | 21.5                | 21.0 | 21.9 | 22.3 |
|  | 8H               | 19.7 | 20.6 | 20.1 | 20.9            | 21.3           | 20.7 | 21.6                | 21.1 | 21.9 | 22.3 |
|  | 12H              | 19.7 | 20.5 | 20.1 | 20.9            | 21.3           | 20.7 | 21.5                | 21.1 | 21.8 | 22.3 |
| 8H   | 4H               | 19.7 | 20.6 | 20.1 | 20.9            | 21.3           | 20.3 | 21.2                | 20.7 | 21.6 | 21.9 |
|  | 6H               | 20.1 | 20.8 | 20.5 | 21.2            | 21.6           | 20.9 | 21.6                | 21.4 | 22.0 | 22.5 |
|  | 8H               | 20.1 | 20.7 | 20.6 | 21.2            | 21.6           | 21.0 | 21.7                | 21.5 | 22.1 | 22.5 |
|  | 12H              | 20.1 | 20.7 | 20.6 | 21.1            | 21.6           | 21.0 | 21.6                | 21.5 | 22.0 | 22.5 |
| 12H  | 4H               | 19.7 | 20.5 | 20.1 | 20.9            | 21.3           | 20.3 | 21.1                | 20.7 | 21.5 | 21.9 |
|  | 6H               | 20.1 | 20.7 | 20.6 | 21.1            | 21.6           | 20.9 | 21.6                | 21.4 | 22.0 | 22.4 |
|  | 8H               | 20.2 | 20.7 | 20.7 | 21.2            | 21.6           | 21.1 | 21.6                | 21.5 | 22.1 | 22.5 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                 |                |      |                     |      |      |      |
| S = 1.0H   | + 0.2 / - 0.3    |      |      |      |                 | + 0.2 / - 0.2  |      |                     |      |      |      |
| 1.5H   | + 0.3 / - 0.5    |      |      |      |                 | + 0.1 / - 0.3  |      |                     |      |      |      |
| 2.0H   | + 0.3 / - 0.5    |      |      |      |                 | + 0.2 / - 0.3  |      |                     |      |      |      |

CIE Pub.117, 20759 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.5)

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

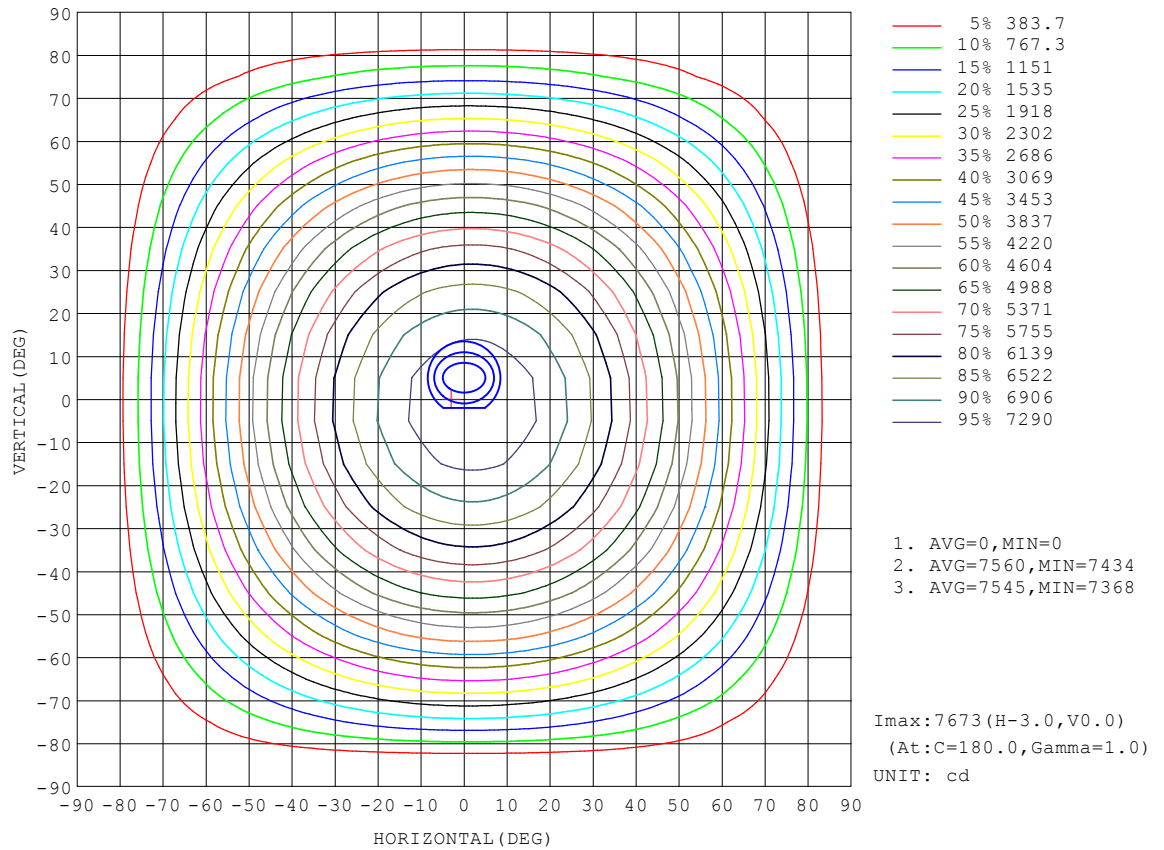
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58   | 47  | 40        | 58  | 47  | 40  | 57  | 46            | 40  | 33     |
| 0.80                             | 69   | 57  | 50        | 68  | 57  | 50  | 66  | 56            | 49  | 43     |
| 1.00                             | 77   | 66  | 59        | 76  | 66  | 59  | 74  | 67            | 58  | 51     |
| 1.25                             | 84   | 74  | 67        | 83  | 73  | 67  | 80  | 72            | 66  | 59     |
| 1.50                             | 89   | 80  | 73        | 88  | 79  | 72  | 85  | 77            | 71  | 64     |
| 2.00                             | 96   | 88  | 82        | 94  | 87  | 81  | 91  | 84            | 79  | 72     |
| 2.50                             | 100  | 92  | 87        | 98  | 91  | 86  | 94  | 88            | 84  | 76     |
| 3.00                             | 103  | 97  | 91        | 101 | 95  | 90  | 97  | 92            | 88  | 80     |
| 4.00                             | 107  | 102 | 97        | 105 | 100 | 96  | 100 | 96            | 93  | 84     |
| 5.00                             | 109  | 105 | 101       | 107 | 103 | 99  | 102 | 99            | 96  | 87     |
| 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 March 2020

$V(B)$  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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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:12 March 2020

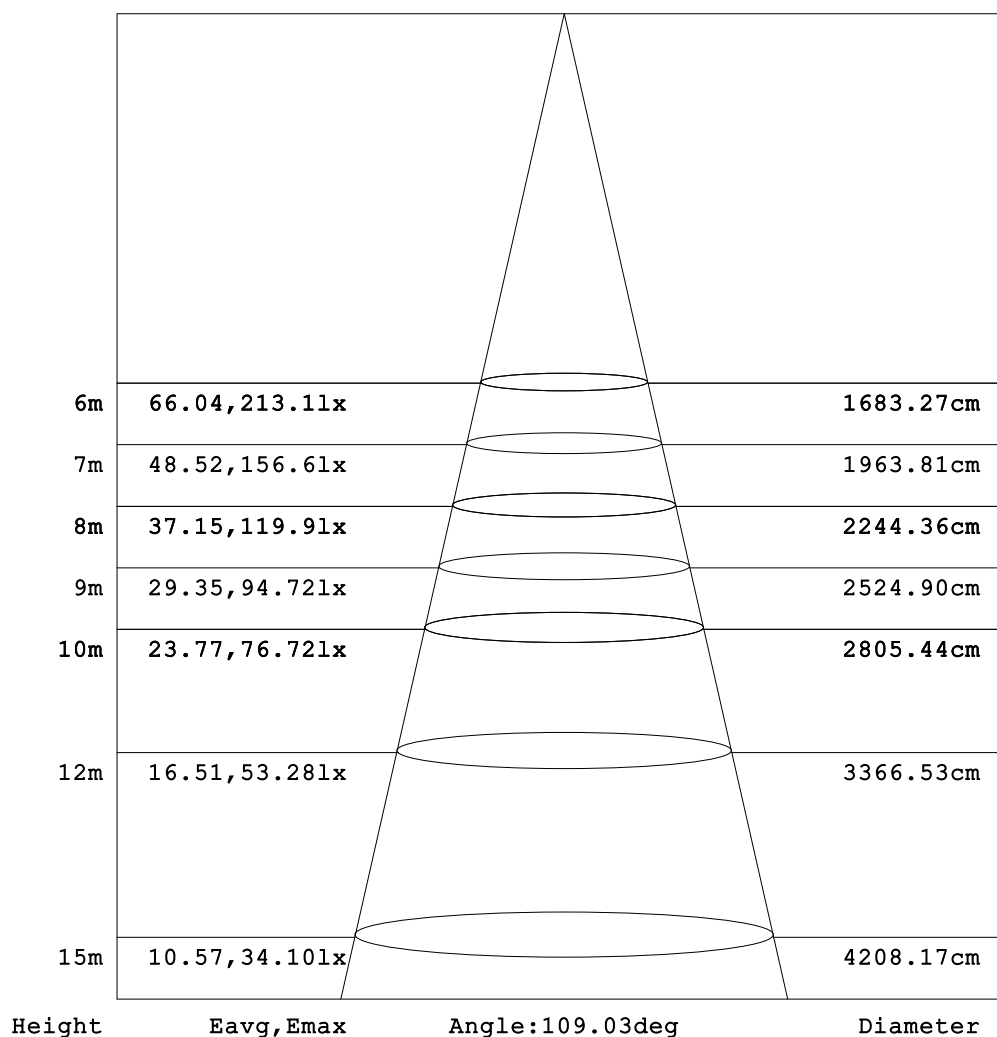
V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.366  
Humidity:65.0%  
Test Distance:6.010m [K=1.0000]  
Remarks:



### AAI Figure

|  |                 |                     |
|--|-----------------|---------------------|
| Test:U:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

Flux out:15233 lm



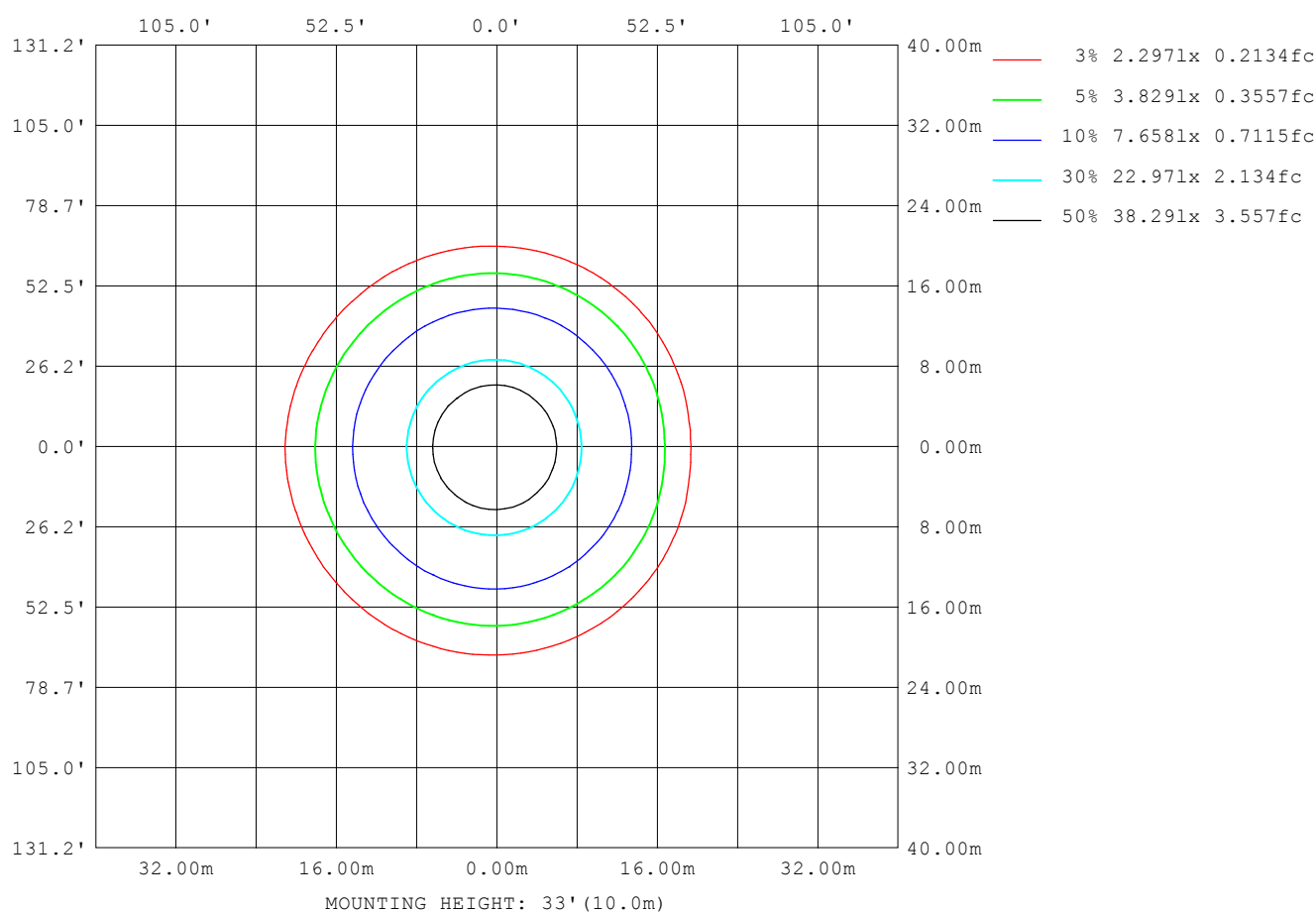
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:CL  
Test Date:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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:12 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | DIM.: N/A       | SERIAL No.:N/A      |
| MFR.: NJZ Lighting Technology Co.,Ltd  | SUR.:N/A        | Shielding Angle:N/A |

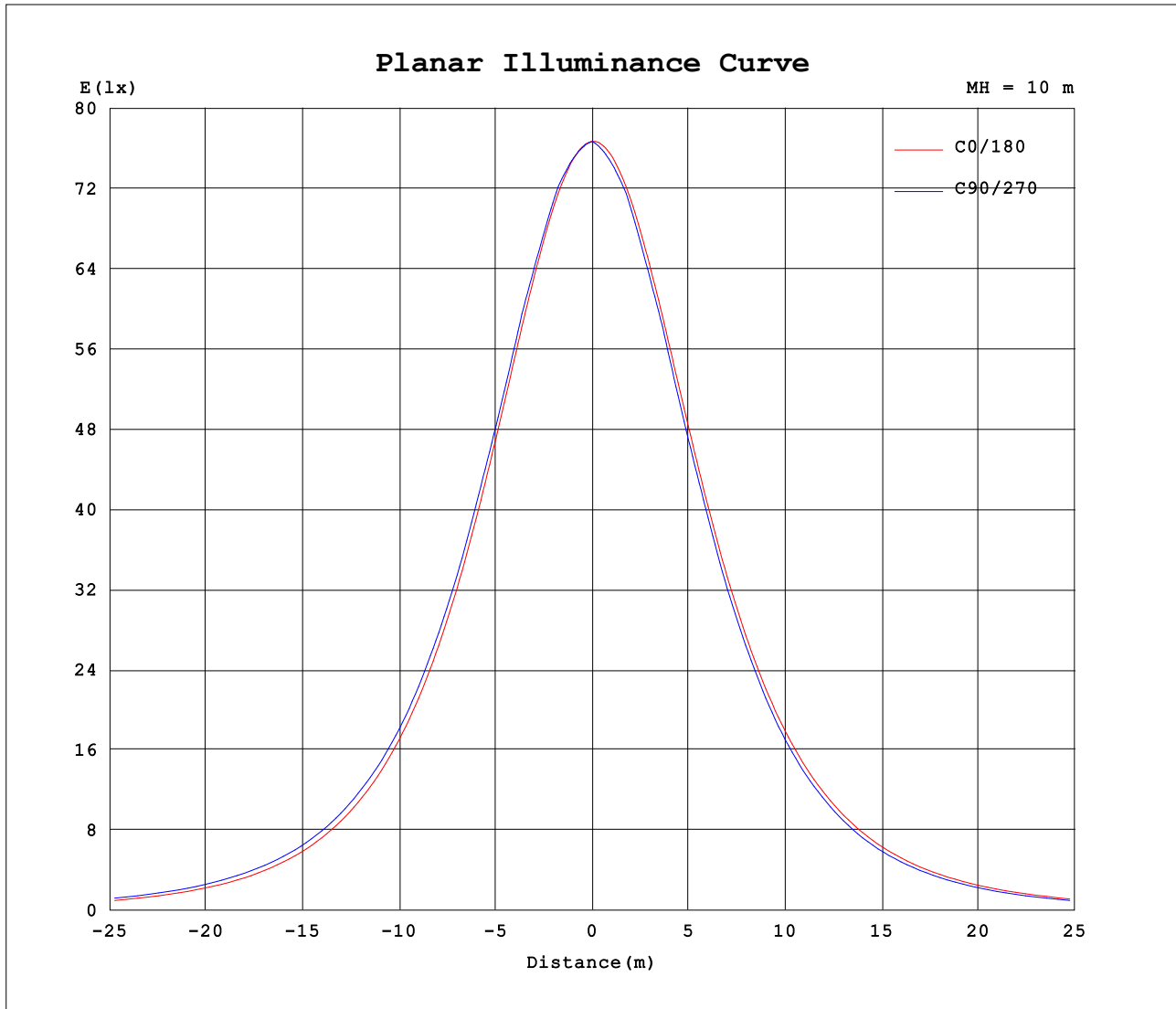
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 58557 |
| L_0~180 (75) av  | 43576 |
| L_0~180 (85) av  | 12326 |
| L_90~270 (65) av | 60079 |
| L_90~270 (75) av | 47466 |
| L_90~270 (85) av | 0     |
| L_45 (65) av     | 59461 |
| L_45 (75) av     | 45524 |
| L_45 (85) av     | 13114 |

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 March 2020

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 March 2020

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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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:12 March 2020

```
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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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:12 March 2020

```
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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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:12 March 2020

```
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:479.92V I:0.4659A P:198.67W PF:0.8886 Freq:59.98Hz Lamp Flux:20758.8x1 lm |                 |                     |
| NAME: LED Explosion-proof Flood Light  | TYPE:Floodlight | WEIGHT:N/A          |
| SPEC.:200W   | 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:12 March 2020

```
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:
```