

FL1200-UL1200-11W-830



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0%  |                          |
| Luminaire Power:    | 10.85 W |                          |
| SHR Nominal:        | 1.25    | Calculated using the TM5 |
| SHR Maximum:        | 1.35    | fine grid method.        |

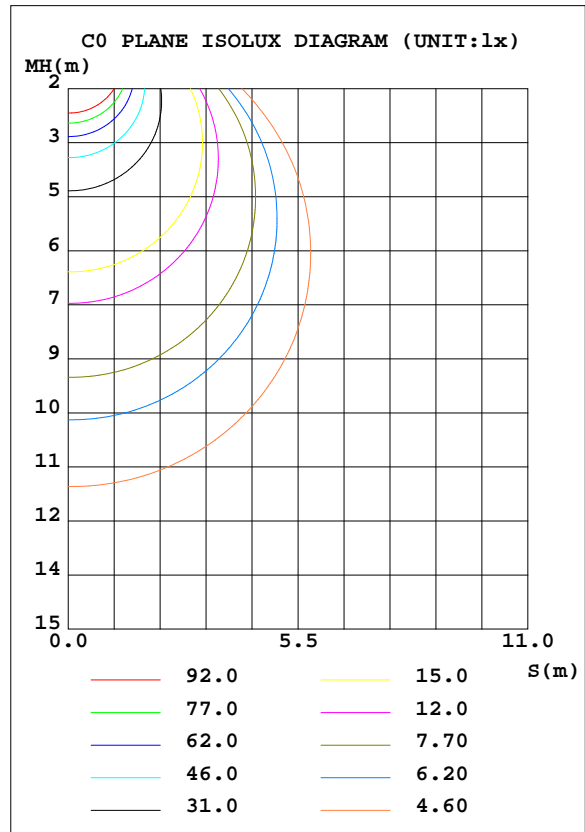
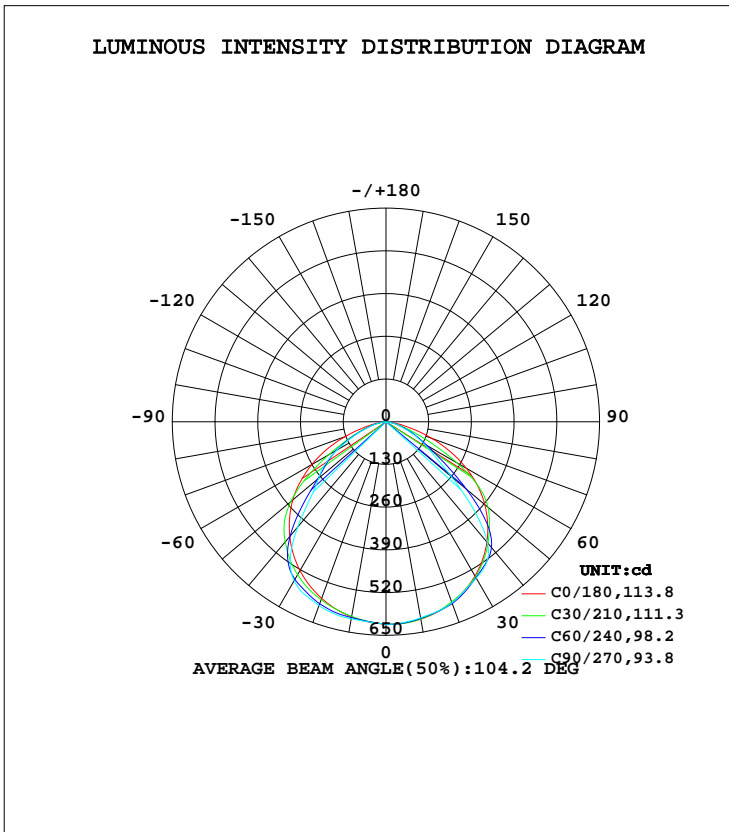
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Meng yongjian  
Test Date: 2018-03-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity: 52%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

| DATA OF LAMP     |               | PHOTOMETRIC DATA Eff: 143.52 lm/W |        |                    |          |
|------------------|---------------|-----------------------------------|--------|--------------------|----------|
| MODEL            | SAMSUNG-3000K | Imax(cd)                          | 616.6  | S/MH(C0/180)       | 1.26     |
| NOMINAL POWER(W) | 11            | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.28     |
| RATED VOLTAGE(V) | 45            | TOTAL FLUX(lm)                    | 1557.2 | η UP, DN(C0-180)   | 0.0,50.0 |
| NOMINAL FLUX(lm) | 1557.16       | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.0,50.0 |
| LAMPS INSIDE     | 1             | η up(%)                           | 0.0    | CIBSE SHR NOM      | 1.25     |
| TEST VOLTAGE(V)  | 43.4          | η down(%)                         | 100.0  | CIBSE SHR MAX      | 1.35     |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-03-27

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [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       | 609.9                 | 608.9  | 605.7  | 603.9  | 603.0  | 602.8  | 608.9  | 608.1  | 0- 10    | 58.29       | 58.29        | 3.74,3.74  |
| 20       | 585.4                 | 586.7  | 586.4  | 576.8  | 572.1  | 583.9  | 595.3  | 593.5  | 10- 20   | 168.9       | 227.2        | 14.6,14.6  |
| 30       | 542.0                 | 547.3  | 549.3  | 533.6  | 523.2  | 544.8  | 559.3  | 557.8  | 20- 30   | 261.4       | 488.5        | 31.4,31.4  |
| 40       | 477.8                 | 493.9  | 480.0  | 476.2  | 455.6  | 478.7  | 418.2  | 496.0  | 30- 40   | 321.2       | 809.7        | 52,52      |
| 50       | 392.5                 | 387.2  | 260.2  | 367.4  | 370.5  | 313.6  | 267.6  | 332.6  | 40- 50   | 313.8       | 1123         | 72.2,72.2  |
| 60       | 281.6                 | 176.1  | 133.9  | 165.5  | 261.0  | 169.7  | 171.8  | 180.2  | 50- 60   | 238.2       | 1362         | 87.5,87.5  |
| 70       | 148.4                 | 67.33  | 58.54  | 62.37  | 132.6  | 78.60  | 74.07  | 85.86  | 60- 70   | 137.5       | 1499         | 96.3,96.3  |
| 80       | 35.24                 | 19.48  | 14.01  | 17.75  | 30.15  | 21.39  | 15.51  | 23.50  | 70- 80   | 52.00       | 1551         | 99.6,99.6  |
| 90       | 0.5357                | 0.2274 | 0.1552 | 0.2471 | 0.5619 | 0.2121 | 0.1268 | 0.1924 | 80- 90   | 5.938       | 1557         | 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): 973 lm

%lum = 62.5%  
%lamp = 62.5%

Conical surface Flux(120deg): 1361.7 lm

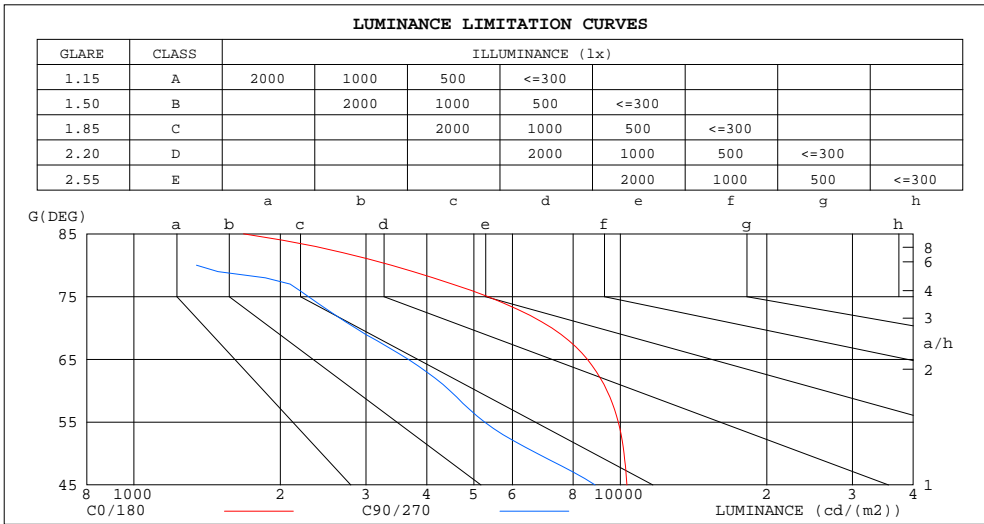
%lum = 87.5%  
%lamp = 87.5%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-03-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 1680   | 75      |
| 80                | 3383   | 1344    |
| 75                | 5339   | 2284    |
| 70                | 7230   | 2853    |
| 65                | 8555   | 3666    |
| 60                | 9385   | 4464    |
| 55                | 9902   | 5261    |
| 50                | 10178  | 6746    |
| 45                | 10317  | 8875    |

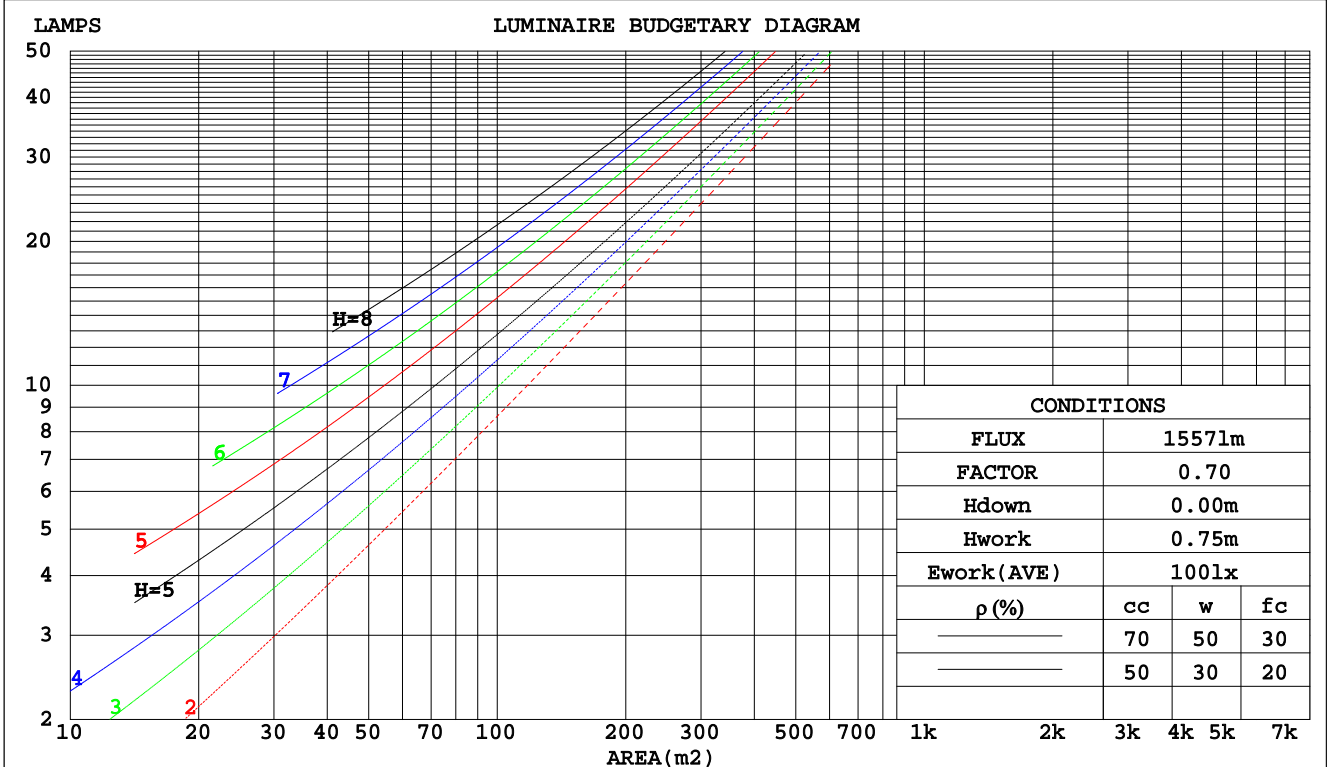
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-03-27

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

| pcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|      | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pw   |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0   |
| pfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | RCR:Room Cavity Ratio      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19   | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0  | 1.06   | 1.03 | .99  | 1.04 | 1.01 | .98  | .90  | .97  | .95  | .96  | .94  | .92  | .92  | .91  | .89  | .87 |
| 2.0  | .94  | .88  | .83  | .92  | .87  | .82  | .89  | .84  | .80  | .85  | .82  | .78  | .82  | .79  | .76  | .74 |
| 3.0  | .83  | .76  | .70  | .82  | .75  | .69  | .79  | .73  | .68  | .76  | .71  | .67  | .74  | .70  | .66  | .64 |
| 4.0  | .74  | .66  | .60  | .73  | .66  | .60  | .71  | .64  | .59  | .68  | .63  | .58  | .66  | .61  | .57  | .55 |
| 5.0  | .67  | .58  | .52  | .66  | .58  | .52  | .64  | .57  | .51  | .62  | .56  | .51  | .60  | .55  | .50  | .48 |
| 6.0  | .60  | .52  | .46  | .59  | .51  | .46  | .58  | .51  | .45  | .56  | .50  | .45  | .55  | .49  | .44  | .43 |
| 7.0  | .55  | .47  | .41  | .54  | .46  | .41  | .53  | .45  | .40  | .51  | .45  | .40  | .50  | .44  | .40  | .38 |
| 8.0  | .50  | .42  | .36  | .49  | .42  | .36  | .48  | .41  | .36  | .47  | .41  | .36  | .46  | .40  | .36  | .34 |
| 9.0  | .46  | .38  | .33  | .45  | .38  | .33  | .44  | .37  | .33  | .43  | .37  | .32  | .42  | .36  | .32  | .30 |
| 10.0 | .43  | .35  | .30  | .42  | .35  | .30  | .41  | .34  | .30  | .40  | .34  | .29  | .39  | .33  | .29  | .28 |



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γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

WEC AND CCEC

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .265                  | .151 | .048 | .258 | .147 | .047 | .245                            | .141 | .045 | .233 | .135 | .043 | .222 | .129 | .042 |   |
| 2.0  | .258                  | .141 | .043 | .252 | .139 | .043 | .241                            | .134 | .042 | .230 | .129 | .040 | .220 | .125 | .039 |   |
| 3.0  | .244                  | .130 | .039 | .239 | .128 | .038 | .229                            | .124 | .038 | .219 | .120 | .037 | .211 | .117 | .036 |   |
| 4.0  | .229                  | .119 | .035 | .224 | .117 | .035 | .215                            | .114 | .034 | .207 | .111 | .034 | .200 | .108 | .033 |   |
| 5.0  | .215                  | .109 | .032 | .210 | .108 | .031 | .202                            | .105 | .031 | .195 | .103 | .031 | .188 | .101 | .030 |   |
| 6.0  | .201                  | .101 | .029 | .197 | .100 | .029 | .190                            | .098 | .028 | .184 | .095 | .028 | .178 | .093 | .028 |   |
| 7.0  | .189                  | .093 | .026 | .185 | .092 | .026 | .179                            | .090 | .026 | .173 | .089 | .026 | .168 | .087 | .026 |   |
| 8.0  | .177                  | .087 | .024 | .174 | .086 | .024 | .169                            | .084 | .024 | .163 | .083 | .024 | .158 | .081 | .024 |   |
| 9.0  | .167                  | .081 | .023 | .164 | .080 | .022 | .159                            | .079 | .022 | .155 | .077 | .022 | .150 | .076 | .022 |   |
| 10.0 | .158                  | .076 | .021 | .155 | .075 | .021 | .151                            | .074 | .021 | .146 | .073 | .021 | .142 | .072 | .021 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 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 | .152 | .134 | .119 | .104                                       | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |
| 2.0  | .168                  | .132 | .102 | .144 | .114 | .088 | .098                                       | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .160                  | .114 | .078 | .137 | .098 | .068 | .094                                       | .068 | .047 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0  | .152                  | .101 | .061 | .130 | .087 | .053 | .090                                       | .061 | .038 | .052 | .035 | .022 | .017 | .012 | .007 |   |
| 5.0  | .145                  | .090 | .050 | .124 | .078 | .043 | .086                                       | .054 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .138                  | .081 | .041 | .119 | .071 | .036 | .082                                       | .049 | .025 | .047 | .029 | .015 | .015 | .009 | .005 |   |
| 7.0  | .132                  | .075 | .035 | .113 | .065 | .030 | .078                                       | .045 | .021 | .045 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .125                  | .069 | .030 | .108 | .060 | .026 | .075                                       | .042 | .018 | .043 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .120                  | .064 | .026 | .103 | .055 | .023 | .072                                       | .039 | .016 | .042 | .023 | .010 | .013 | .008 | .003 |   |
| 10.0 | .114                  | .060 | .023 | .099 | .052 | .020 | .068                                       | .036 | .014 | .040 | .022 | .009 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-03-27

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

|  |                  |      |      |      |      |                |      |      |      |      |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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                                      | 19.7             | 21.1 | 20.0 | 21.3 | 21.5 | 17.1           | 18.5 | 17.3 | 18.7 | 18.9 |
| 3H   | 20.8             | 22.1 | 21.1 | 22.3 | 22.5 | 17.5           | 18.8 | 17.8 | 19.0 | 19.3 |
| 4H   | 21.0             | 22.2 | 21.3 | 22.5 | 22.7 | 17.6           | 18.8 | 17.9 | 19.1 | 19.3 |
| 6H   | 21.1             | 22.2 | 21.4 | 22.5 | 22.8 | 17.6           | 18.8 | 17.9 | 19.0 | 19.3 |
| 8H   | 21.1             | 22.2 | 21.4 | 22.5 | 22.8 | 17.6           | 18.7 | 17.9 | 19.0 | 19.2 |
| 12H  | 21.0             | 22.1 | 21.4 | 22.4 | 22.7 | 17.5           | 18.6 | 17.9 | 18.9 | 19.2 |
| 4H 2H  | 19.7             | 21.0 | 20.0 | 21.2 | 21.5 | 17.5           | 18.8 | 17.8 | 19.0 | 19.3 |
| 3H   | 20.9             | 21.9 | 21.2 | 22.2 | 22.5 | 18.0           | 19.1 | 18.4 | 19.4 | 19.7 |
| 4H   | 21.2             | 22.1 | 21.5 | 22.5 | 22.8 | 18.2           | 19.2 | 18.6 | 19.5 | 19.8 |
| 6H   | 21.3             | 22.2 | 21.7 | 22.5 | 22.9 | 18.3           | 19.1 | 18.7 | 19.5 | 19.8 |
| 8H   | 21.3             | 22.1 | 21.7 | 22.5 | 22.9 | 18.2           | 19.0 | 18.7 | 19.4 | 19.8 |
| 12H  | 21.3             | 22.0 | 21.7 | 22.4 | 22.8 | 18.2           | 18.9 | 18.6 | 19.3 | 19.7 |
| 8H 4H  | 21.1             | 21.9 | 21.5 | 22.3 | 22.6 | 18.3           | 19.1 | 18.7 | 19.4 | 19.8 |
| 6H   | 21.3             | 21.9 | 21.7 | 22.3 | 22.8 | 18.4           | 19.0 | 18.8 | 19.4 | 19.9 |
| 8H   | 21.3             | 21.9 | 21.8 | 22.3 | 22.8 | 18.4           | 18.9 | 18.8 | 19.4 | 19.8 |
| 12H  | 21.3             | 21.8 | 21.8 | 22.2 | 22.7 | 18.3           | 18.8 | 18.8 | 19.3 | 19.7 |
| 12H 4H   | 21.1             | 21.8 | 21.5 | 22.2 | 22.6 | 18.2           | 19.0 | 18.7 | 19.4 | 19.8 |
| 6H   | 21.3             | 21.8 | 21.7 | 22.2 | 22.7 | 18.4           | 19.0 | 18.8 | 19.4 | 19.8 |
| 8H   | 21.3             | 21.8 | 21.8 | 22.2 | 22.7 | 18.3           | 18.8 | 18.8 | 19.3 | 19.8 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 0.4 / - 0.4    |      |      |      |      | + 0.9 / - 1.2  |      |      |      |      |
| 1.5H   | + 0.5 / - 0.6    |      |      |      |      | + 0.4 / - 1.0  |      |      |      |      |
| 2.0H   | + 0.7 / - 1.2    |      |      |      |      | + 1.6 / - 1.6  |      |      |      |      |

CIE Pub.117, 1557 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.5)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-03-27

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

| 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                         | 61  | 50  | 44        | 61  | 50  | 44  | 60            | 50  | 44  | 38     |
| 0.80                             | 72  | 61  | 54        | 71  | 61  | 54  | 69            | 60  | 54  | 47     |
| 1.00                             | 80  | 70  | 64        | 79  | 70  | 63  | 77            | 71  | 63  | 56     |
| 1.25                             | 87  | 78  | 72        | 86  | 77  | 71  | 84            | 76  | 70  | 64     |
| 1.50                             | 92  | 83  | 77        | 91  | 83  | 77  | 88            | 81  | 76  | 69     |
| 2.00                             | 99  | 91  | 85        | 97  | 90  | 85  | 93            | 88  | 83  | 76     |
| 2.50                             | 102   | 95  | 90        | 100 | 94  | 89  | 96            | 91  | 87  | 79     |
| 3.00                             | 105   | 99  | 94        | 103 | 97  | 93  | 99            | 95  | 91  | 83     |
| 4.00                             | 108   | 103 | 99        | 106 | 102 | 98  | 102           | 98  | 95  | 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 |     |     |     | SHRNOM = 1.25 |     |     |        |

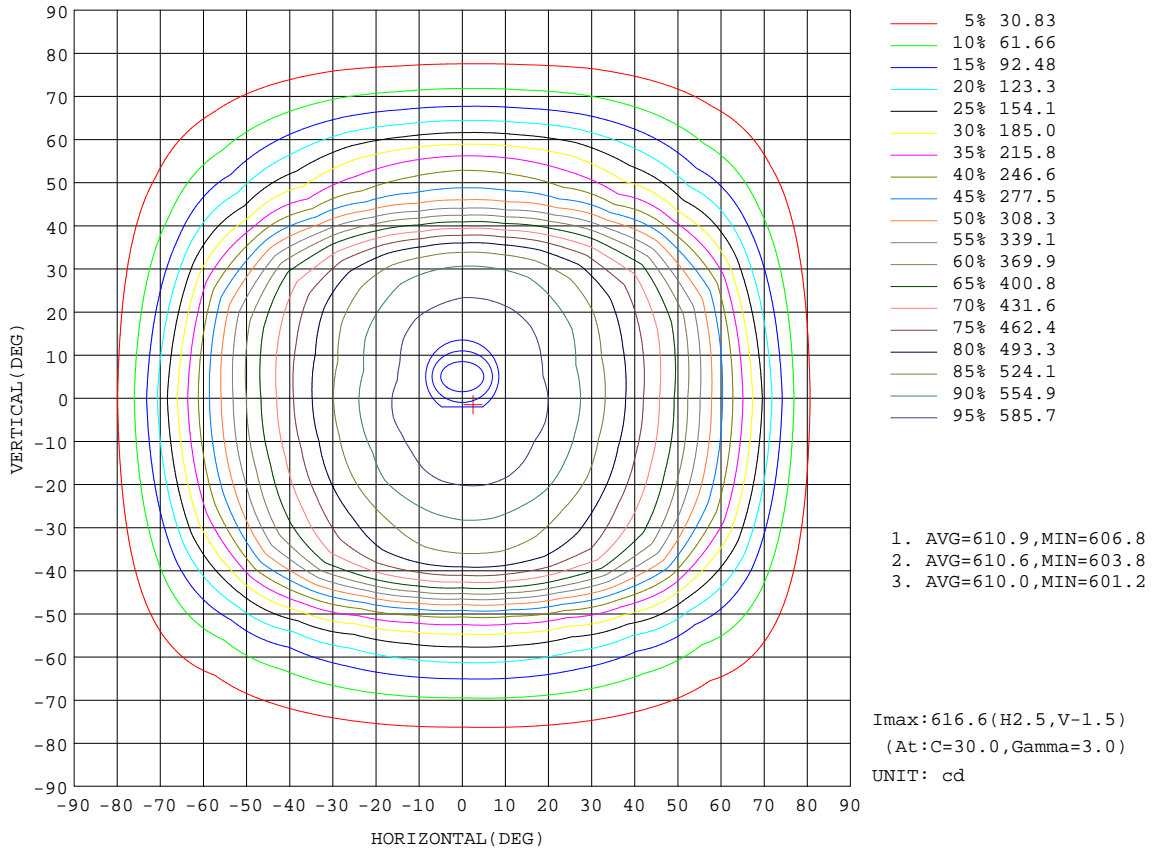
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-03-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:



**ISOCANDELA DIAGRAM**

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |



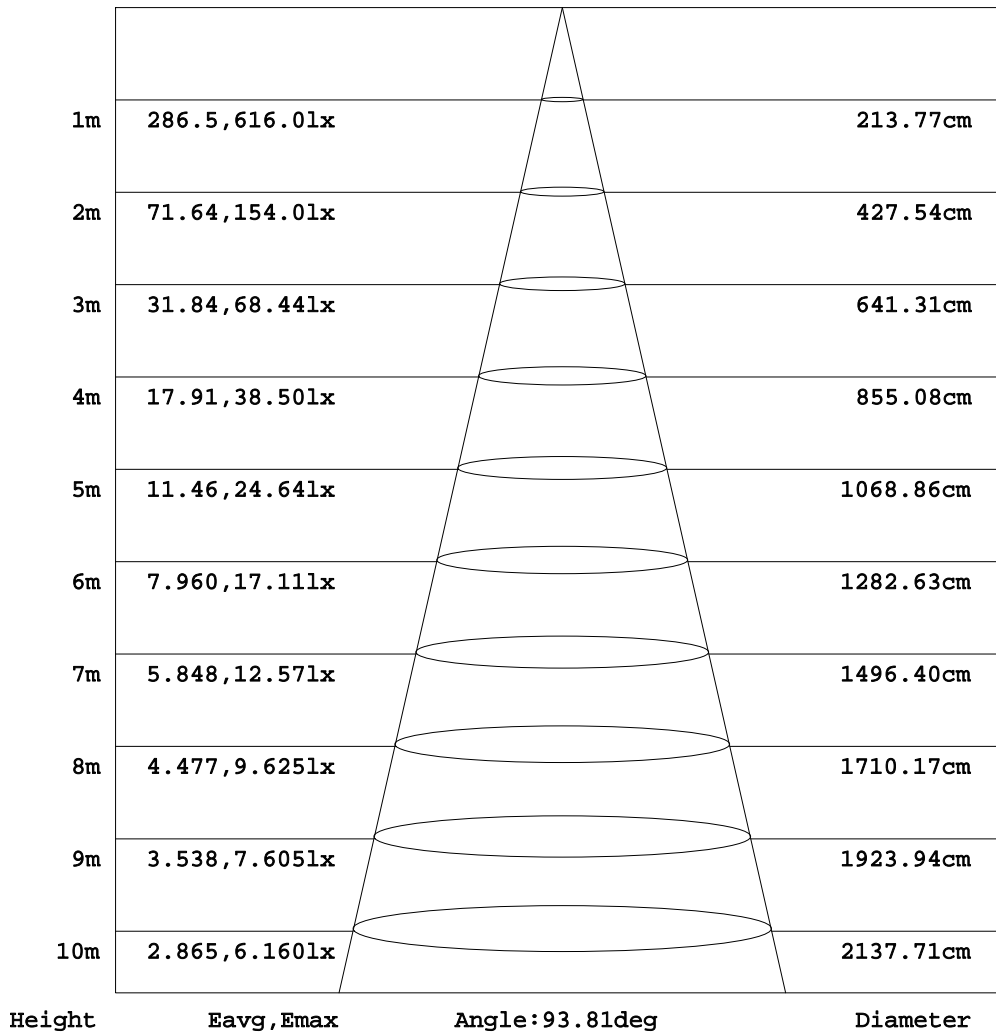
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-03-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**AAI Figure**

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

Flux out:1035 lm



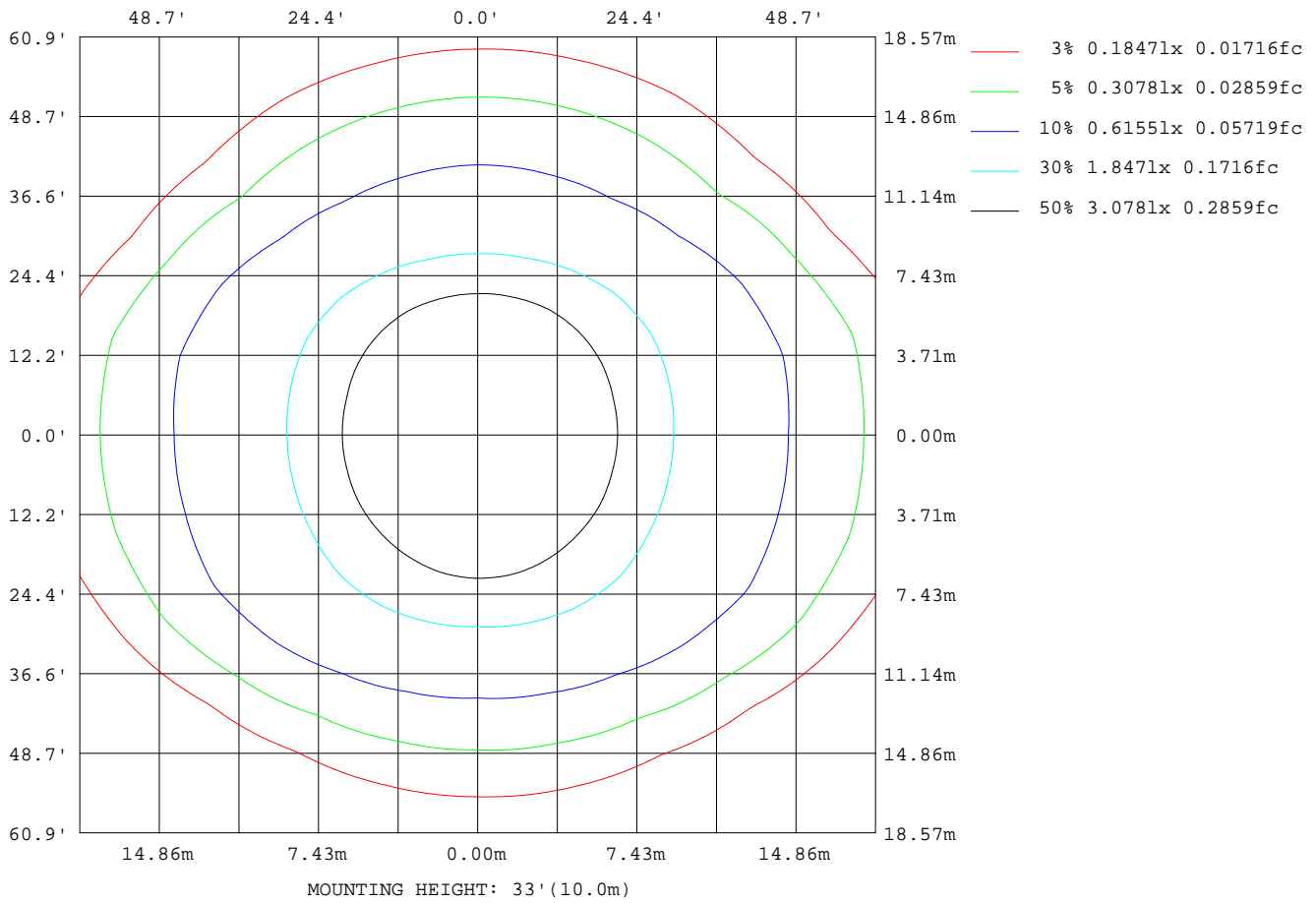
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-03-27

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Meng yongjian  
 Test Date:2018-03-27

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity:52%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

LED Avg.L Report

|   |                           |             |
|---|---------------------------|-------------|
| Test:U:43.40V I:0.2500A P:10.85W PF:1.000 Freq:0Hz Lamp Flux:1557.16x1 lm |                           |             |
| NAME: FL1200-UL1200-11W-830   | TYPE:Linear Light         | SERIAL No.: |
| SPEC.:3000K   | DIM.: L1200mm*W50mm*H80mm |             |
| MFR.: NEKO LIGHTING AG  |                           |             |

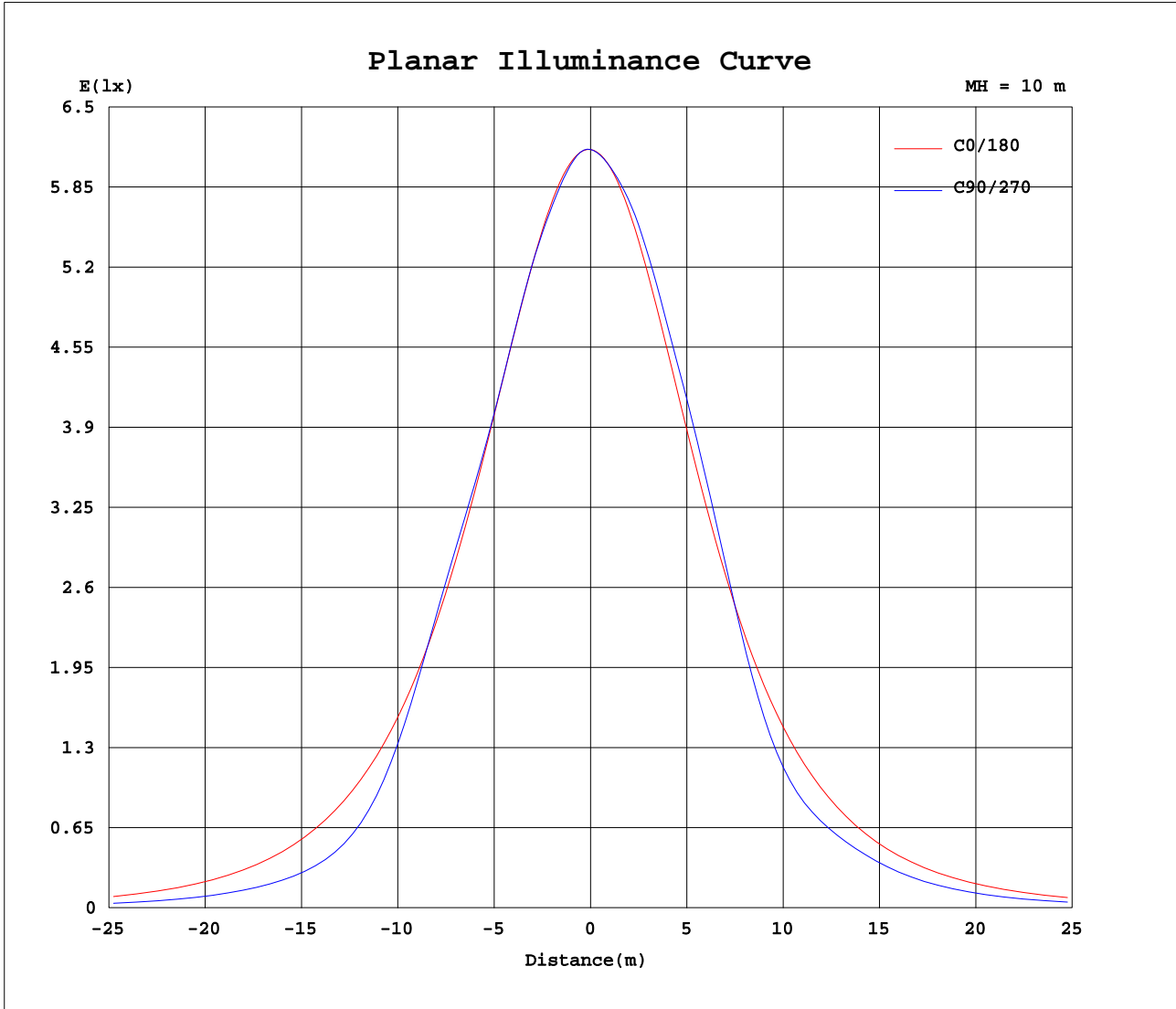
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 8191  |
| L_0~180(75)av  | 4998  |
| L_0~180(85)av  | 1529  |
| L_90~270(65)av | 4134  |
| L_90~270(75)av | 2529  |
| L_90~270(85)av | 73    |
| L_45(65)av     | 4579  |
| L_45(75)av     | 2712  |
| L_45(85)av     | 211   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Meng yongjian  
Test Date:2018-03-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
Humidity:52%  
Test Distance:5.850m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Meng yongjian  
 Test Date: 2018-03-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.288  
 Humidity: 52%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:



