

Capetown SS-830-65°



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0%  |                          |
| Luminaire Power:    | 4.465 W |                          |
| SHR Nominal:        | 0.00    | Calculated using the TM5 |
| SHR Maximum:        | 1.00    | fine grid method.        |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

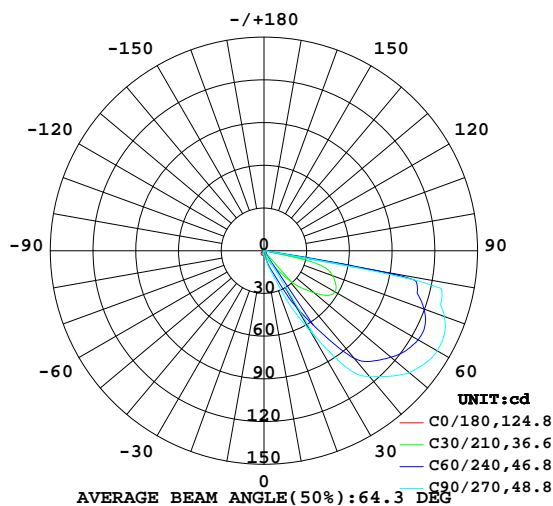
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

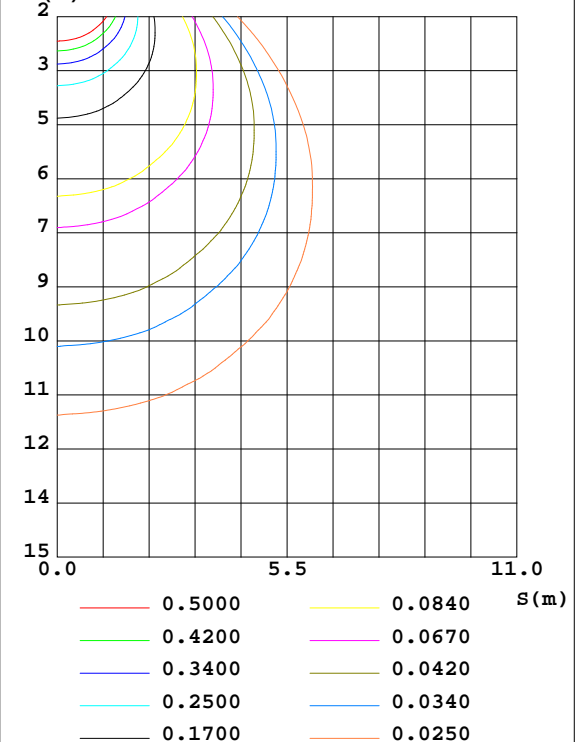
|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 38.38 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            | 3000K   | I <sub>max</sub> (cd)            | 140.5  | S/MH(C0/180)      | 1.50     |
| NOMINAL POWER(W) | 4       | LOR(%)                           | 100.0  | S/MH(C90/270)     | 0.57     |
| RATED VOLTAGE(V) | 220     | TOTAL FLUX(lm)                   | 171.36 | η UP,DN(C0-180)   | 0.0,98.3 |
| NOMINAL FLUX(lm) | 171.364 | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 0.0,1.7  |
| LAMPS INSIDE     | 1       | η up(%)                          | 0.0    | CIBSE SHR NOM     | 0.00     |
| TEST VOLTAGE(V)  | 220     | η down(%)                        | 100.0  | CIBSE SHR MAX     | 1.00     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
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       | 3.300                 | 4.088  | 4.496  | 4.118  | 3.364  | 2.679  | 2.447  | 2.647  | 0- 10    | 0.3173      | 0.3173       | 0.19,0.19  |
| 20       | 3.243                 | 9.149  | 17.08  | 8.484  | 3.369  | 1.967  | 1.730  | 1.895  | 10- 20   | 1.243       | 1.560        | 0.91,0.91  |
| 30       | 3.111                 | 24.39  | 65.47  | 22.91  | 3.349  | 1.633  | 1.346  | 1.589  | 20- 30   | 4.801       | 6.361        | 3.71,3.71  |
| 40       | 2.831                 | 60.62  | 115.4  | 59.74  | 3.152  | 1.274  | 0.9892 | 1.216  | 30- 40   | 15.06       | 21.42        | 12.5,12.5  |
| 50       | 2.358                 | 94.42  | 133.3  | 96.20  | 2.724  | 0.9214 | 0.7156 | 0.8738 | 40- 50   | 27.62       | 49.04        | 28.6,28.6  |
| 60       | 1.686                 | 102.3  | 140.5  | 103.7  | 2.034  | 0.6294 | 0.4771 | 0.5906 | 50- 60   | 37.22       | 86.26        | 50.3,50.3  |
| 70       | 0.9321                | 96.56  | 134.7  | 101.1  | 1.282  | 0.3921 | 0.2954 | 0.3710 | 60- 70   | 42.01       | 128.3        | 74.9,74.9  |
| 80       | 0.2768                | 52.85  | 51.86  | 80.76  | 0.4162 | 0.2700 | 0.2693 | 0.2656 | 70- 80   | 39.12       | 167.4        | 97.7,97.7  |
| 90       | 0.0972                | 0.0566 | 0.0591 | 0.0658 | 0.1577 | 0.2264 | 0.3022 | 0.2436 | 80- 90   | 3.963       | 171.4        | 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): 33.797 lm

%lum = 19.7%

%lamp = 19.7%

Conical surface Flux(120deg): 86.262 lm

%lum = 50.3%

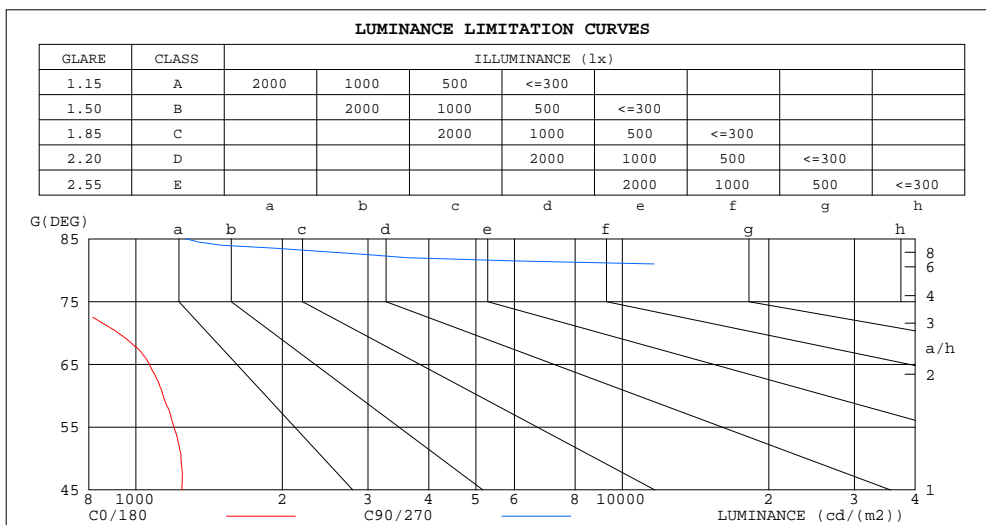
%lamp = 50.3%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-06-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 586    | 1268    |
| 80                | 538    | 99406   |
| 75                | 691    | 166198  |
| 70                | 919    | 131089  |
| 65                | 1066   | 109948  |
| 60                | 1137   | 93531   |
| 55                | 1197   | 80076   |
| 50                | 1237   | 69046   |
| 45                | 1244   | 58699   |

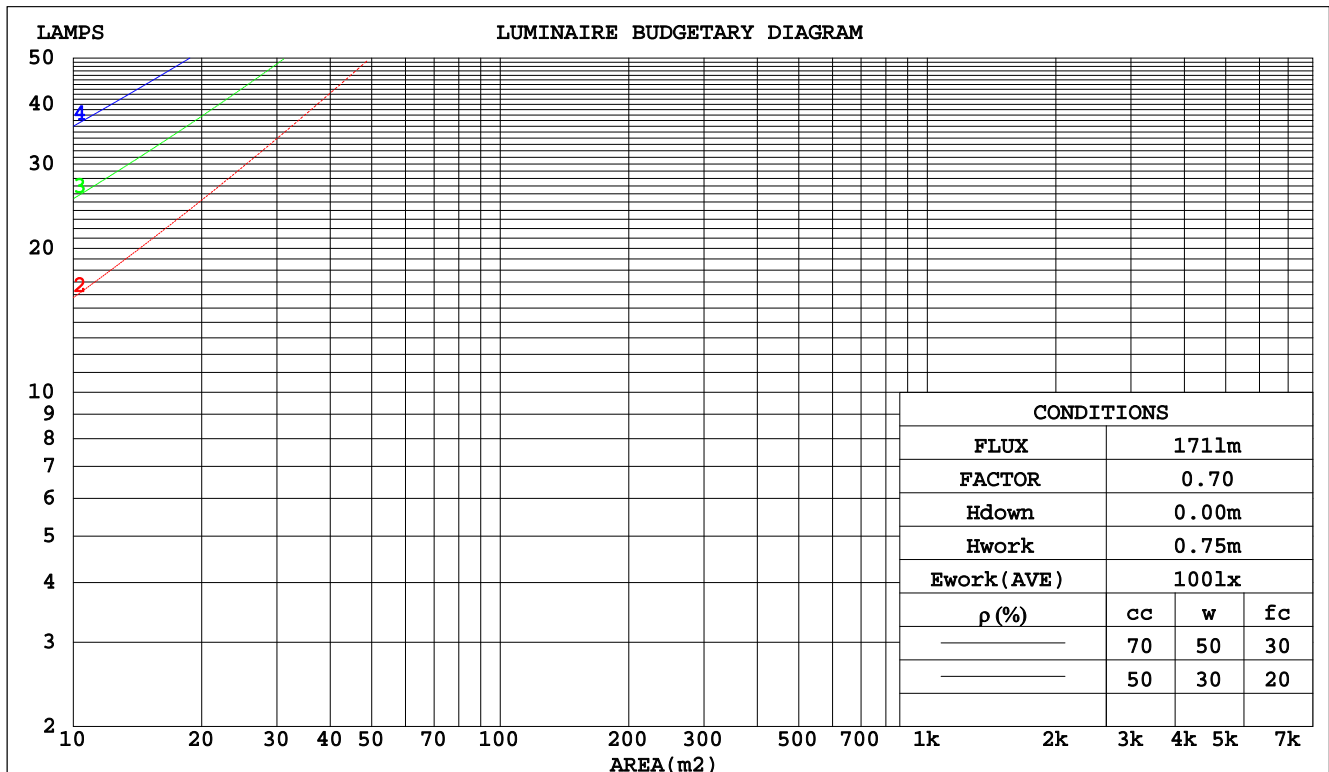
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |

| 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  | .97                   | .91  | .85  | .95  | .89  | .84  | .90                             | .85  | .81  | .86  | .82  | .79  | .82  | .79  | .76  | .74  |
| 2.0  | .78                   | .69  | .61  | .76  | .67  | .60  | .72                             | .65  | .58  | .69  | .62  | .57  | .65  | .60  | .55  | .53  |
| 3.0  | .64                   | .53  | .44  | .63  | .52  | .44  | .59                             | .50  | .43  | .56  | .49  | .42  | .53  | .47  | .41  | .38  |
| 4.0  | .54                   | .42  | .34  | .53  | .42  | .33  | .50                             | .40  | .33  | .47  | .39  | .32  | .45  | .37  | .31  | .29  |
| 5.0  | .46                   | .35  | .26  | .45  | .34  | .26  | .42                             | .33  | .25  | .40  | .32  | .25  | .38  | .31  | .25  | .22  |
| 6.0  | .40                   | .29  | .21  | .39  | .28  | .21  | .37                             | .27  | .20  | .35  | .26  | .20  | .33  | .26  | .20  | .17  |
| 7.0  | .35                   | .24  | .17  | .34  | .24  | .17  | .32                             | .23  | .16  | .31  | .22  | .16  | .29  | .22  | .16  | .14  |
| 8.0  | .31                   | .21  | .14  | .30  | .21  | .14  | .29                             | .20  | .14  | .27  | .19  | .13  | .26  | .19  | .13  | .11  |
| 9.0  | .28                   | .18  | .12  | .27  | .18  | .12  | .26                             | .17  | .11  | .25  | .17  | .11  | .24  | .16  | .11  | .09  |
| 10.0 | .25                   | .16  | .10  | .25  | .16  | .10  | .24                             | .15  | .10  | .23  | .15  | .10  | .22  | .15  | .09  | .07  |



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Test Speed: HIGH  
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γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## WEC AND CCEC

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |

| 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  | .442                  | .251 | .080 | .434 | .248 | .079 | .420                            | .241 | .077 | .408 | .235 | .075 | .396 | .229 | .074 |   |  |
| 2.0  | .408                  | .224 | .069 | .401 | .221 | .068 | .389                            | .216 | .067 | .377 | .211 | .066 | .366 | .207 | .065 |   |  |
| 3.0  | .366                  | .195 | .058 | .360 | .193 | .058 | .348                            | .189 | .057 | .338 | .185 | .057 | .328 | .181 | .056 |   |  |
| 4.0  | .327                  | .170 | .050 | .322 | .168 | .050 | .312                            | .165 | .049 | .302 | .162 | .049 | .293 | .159 | .049 |   |  |
| 5.0  | .294                  | .150 | .043 | .290 | .149 | .043 | .280                            | .146 | .043 | .272 | .143 | .043 | .264 | .141 | .042 |   |  |
| 6.0  | .267                  | .134 | .038 | .262 | .133 | .038 | .254                            | .130 | .038 | .247 | .128 | .038 | .239 | .126 | .037 |   |  |
| 7.0  | .243                  | .120 | .034 | .239 | .119 | .034 | .232                            | .117 | .034 | .225 | .116 | .034 | .219 | .114 | .033 |   |  |
| 8.0  | .223                  | .109 | .031 | .220 | .108 | .031 | .213                            | .107 | .030 | .207 | .105 | .030 | .202 | .103 | .030 |   |  |
| 9.0  | .206                  | .100 | .028 | .203 | .099 | .028 | .197                            | .098 | .028 | .192 | .096 | .028 | .187 | .095 | .027 |   |  |
| 10.0 | .191                  | .092 | .025 | .189 | .091 | .025 | .183                            | .090 | .025 | .178 | .089 | .025 | .174 | .087 | .025 |   |  |

| 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  | .189                  | .155 | .124 | .162 | .133 | .107 | .111                                       | .091 | .074 | .064 | .053 | .043 | .020 | .017 | .014 |   |
| 2.0  | .188                  | .131 | .084 | .161 | .113 | .073 | .110                                       | .078 | .051 | .064 | .046 | .030 | .020 | .015 | .010 |   |
| 3.0  | .183                  | .115 | .061 | .157 | .099 | .053 | .108                                       | .069 | .037 | .062 | .040 | .022 | .020 | .013 | .007 |   |
| 4.0  | .176                  | .103 | .047 | .151 | .089 | .041 | .104                                       | .062 | .029 | .060 | .036 | .017 | .019 | .012 | .006 |   |
| 5.0  | .168                  | .093 | .038 | .145 | .081 | .033 | .100                                       | .056 | .023 | .058 | .033 | .014 | .019 | .011 | .005 |   |
| 6.0  | .160                  | .085 | .032 | .138 | .074 | .027 | .095                                       | .052 | .019 | .055 | .030 | .012 | .018 | .010 | .004 |   |
| 7.0  | .152                  | .079 | .027 | .131 | .068 | .024 | .090                                       | .048 | .017 | .053 | .028 | .010 | .017 | .009 | .003 |   |
| 8.0  | .144                  | .073 | .024 | .124 | .063 | .021 | .086                                       | .044 | .015 | .050 | .026 | .009 | .016 | .009 | .003 |   |
| 9.0  | .137                  | .068 | .021 | .118 | .059 | .019 | .082                                       | .042 | .013 | .048 | .025 | .008 | .015 | .008 | .003 |   |
| 10.0 | .130                  | .064 | .019 | .112 | .055 | .017 | .078                                       | .039 | .012 | .045 | .023 | .007 | .015 | .008 | .002 |   |

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C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                             |                |      |             |      |      |
|--|------------------|------|------|------|-----------------------------|----------------|------|-------------|------|------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                  |      |      |      |                             |                |      |             |      |      |
| NAME: Capetown SS-830-65°  |                  |      |      |      | TYPE: Recessed Ground Light |                |      | SERIAL No.: |      |      |
| SPEC.: 3000K   |                  |      |      |      | DIM.: L100mm*H30mm          |                |      |             |      |      |
| 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  | 30.3             | 32.3 | 30.6 | 32.6 | 32.8                        | 39.3           | 41.3 | 39.6        | 41.5 | 41.8 |
| 3H   | 30.9             | 32.8 | 31.3 | 33.1 | 33.3                        | 42.7           | 44.5 | 43.0        | 44.8 | 45.1 |
| 4H   | 31.0             | 32.8 | 31.3 | 33.1 | 33.3                        | 44.4           | 46.2 | 44.8        | 46.5 | 46.8 |
| 6H   | 30.9             | 32.6 | 31.3 | 32.9 | 33.2                        | 45.8           | 47.5 | 46.2        | 47.8 | 48.1 |
| 8H   | 30.9             | 32.5 | 31.2 | 32.8 | 33.1                        | 45.8           | 47.4 | 46.1        | 47.7 | 48.0 |
| 12H  | 30.8             | 32.4 | 31.2 | 32.7 | 33.0                        | 45.7           | 47.3 | 46.1        | 47.6 | 47.9 |
| 4H 2H  | 35.4             | 37.2 | 35.7 | 37.4 | 37.7                        | 39.9           | 41.7 | 40.3        | 42.0 | 42.3 |
| 3H   | 36.7             | 38.3 | 37.1 | 38.6 | 38.9                        | 43.6           | 45.1 | 43.9        | 45.5 | 45.8 |
| 4H   | 37.0             | 38.5 | 37.4 | 38.8 | 39.2                        | 45.5           | 47.0 | 45.9        | 47.3 | 47.7 |
| 6H   | 37.0             | 38.3 | 37.4 | 38.7 | 39.1                        | 47.1           | 48.4 | 47.5        | 48.8 | 49.2 |
| 8H   | 37.0             | 38.2 | 37.4 | 38.6 | 39.0                        | 47.1           | 48.3 | 47.5        | 48.7 | 49.1 |
| 12H  | 36.9             | 38.1 | 37.4 | 38.5 | 38.9                        | 47.0           | 48.1 | 47.5        | 48.5 | 49.0 |
| 8H 4H  | 40.2             | 41.4 | 40.6 | 41.8 | 42.2                        | 45.9           | 47.1 | 46.3        | 47.5 | 47.9 |
| 6H   | 40.3             | 41.3 | 40.8 | 41.8 | 42.2                        | 47.6           | 48.6 | 48.0        | 49.0 | 49.5 |
| 8H   | 40.3             | 41.2 | 40.8 | 41.6 | 42.1                        | 47.6           | 48.5 | 48.0        | 48.9 | 49.4 |
| 12H  | 40.3             | 41.1 | 40.7 | 41.5 | 42.0                        | 47.5           | 48.3 | 48.0        | 48.8 | 49.3 |
| 12H 4H   | 40.7             | 41.8 | 41.1 | 42.2 | 42.6                        | 45.9           | 47.0 | 46.3        | 47.4 | 47.8 |
| 6H   | 40.8             | 41.8 | 41.3 | 42.2 | 42.7                        | 47.6           | 48.5 | 48.0        | 48.9 | 49.4 |
| 8H   | 40.8             | 41.6 | 41.3 | 42.1 | 42.6                        | 47.6           | 48.4 | 48.0        | 48.8 | 49.3 |
| Variations with the observer position at spacings:                             |                  |      |      |      |                             |                |      |             |      |      |
| S = 1.0H   | + 0.1 / - 0.1    |      |      |      |                             | + 0.1 / - 0.1  |      |             |      |      |
| 1.5H   | + 0.2 / - 0.2    |      |      |      |                             | + 0.1 / - 0.2  |      |             |      |      |
| 2.0H   | + 0.3 / - 0.3    |      |      |      |                             | + 0.5 / - 0.4  |      |             |      |      |

CIE Pub.117, 171.4 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -6.1$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| 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) x RCR = 5 |     |     |     |     |     |     |     |     |        |
| k = 0.60                         | 40  | 25  | 16  | 39  | 25  | 16  | 38  | 24  | 16  | 8      |
| 0.80                             | 50  | 34  | 24  | 48  | 34  | 24  | 46  | 33  | 24  | 15     |
| 1.00                             | 58  | 43  | 33  | 57  | 42  | 33  | 54  | 45  | 32  | 22     |
| 1.25                             | 67  | 52  | 41  | 65  | 51  | 41  | 61  | 49  | 40  | 30     |
| 1.50                             | 73  | 59  | 48  | 71  | 58  | 48  | 67  | 55  | 47  | 37     |
| 2.00                             | 82  | 70  | 60  | 80  | 68  | 59  | 76  | 66  | 58  | 48     |
| 2.50                             | 88  | 77  | 68  | 86  | 76  | 67  | 81  | 73  | 65  | 55     |
| 3.00                             | 93  | 83  | 75  | 91  | 82  | 74  | 86  | 78  | 72  | 61     |
| 4.00                             | 99  | 91  | 84  | 97  | 89  | 83  | 92  | 86  | 80  | 70     |
| 5.00                             | 103   | 96  | 90  | 101 | 94  | 89  | 96  | 90  | 86  | 75     |
| ROOM INDEX                       | UF(total)                                       |     |     |     |     |     |     |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     |     |     |     |     |     |     |     |        |
| Suspended                        |   |     |     |     |     |     |     |     |     |        |
| SHRNM = 1.25                     |   |     |     |     |     |     |     |     |     |        |

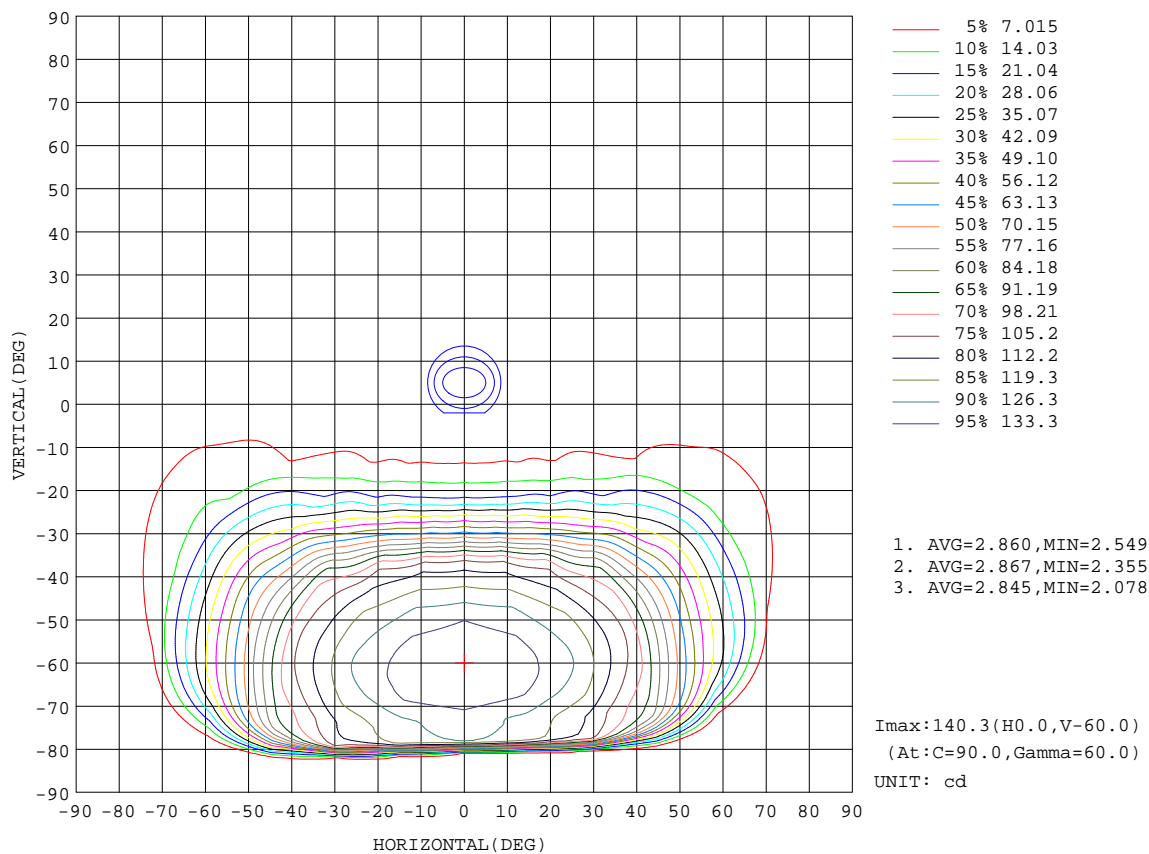
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 2020-06-24

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 58%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:



ISOCANDELA DIAGRAM

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |



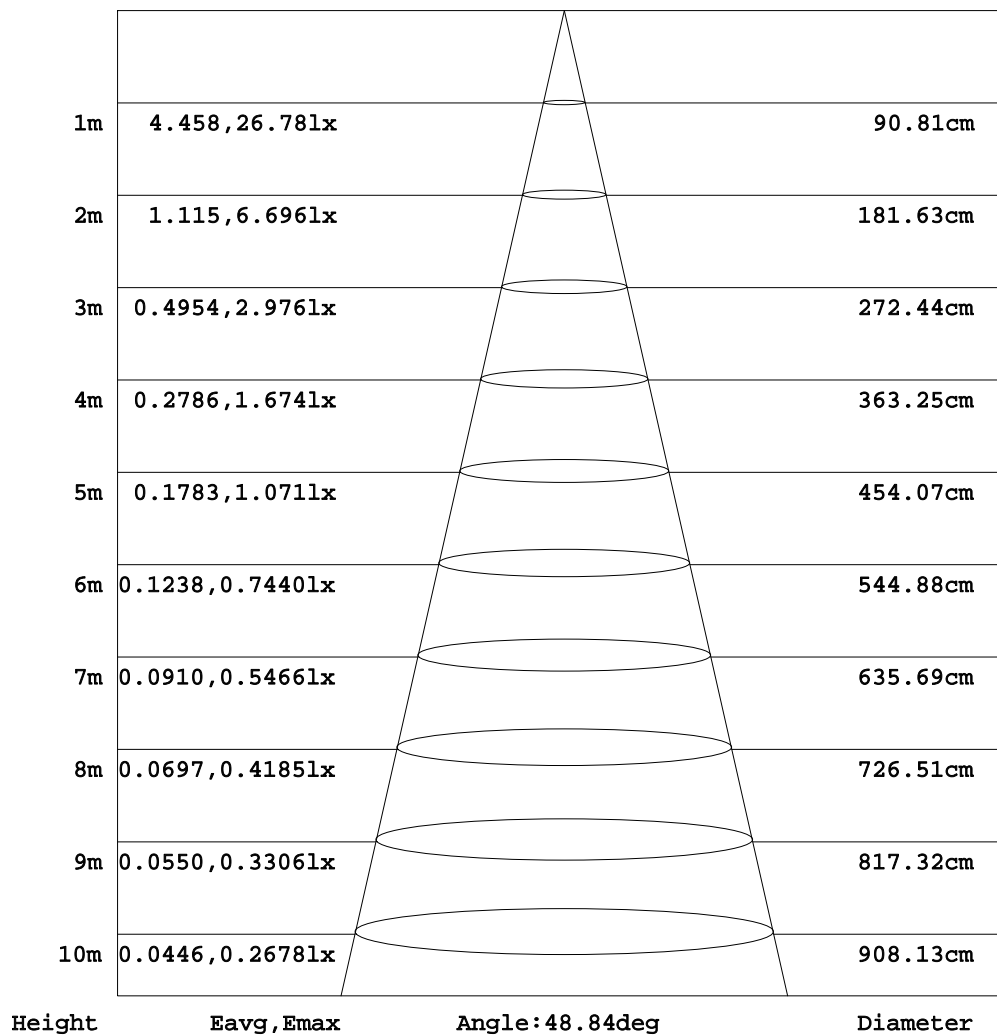
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

AAI Figure

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |

Flux out: 2.909 lm



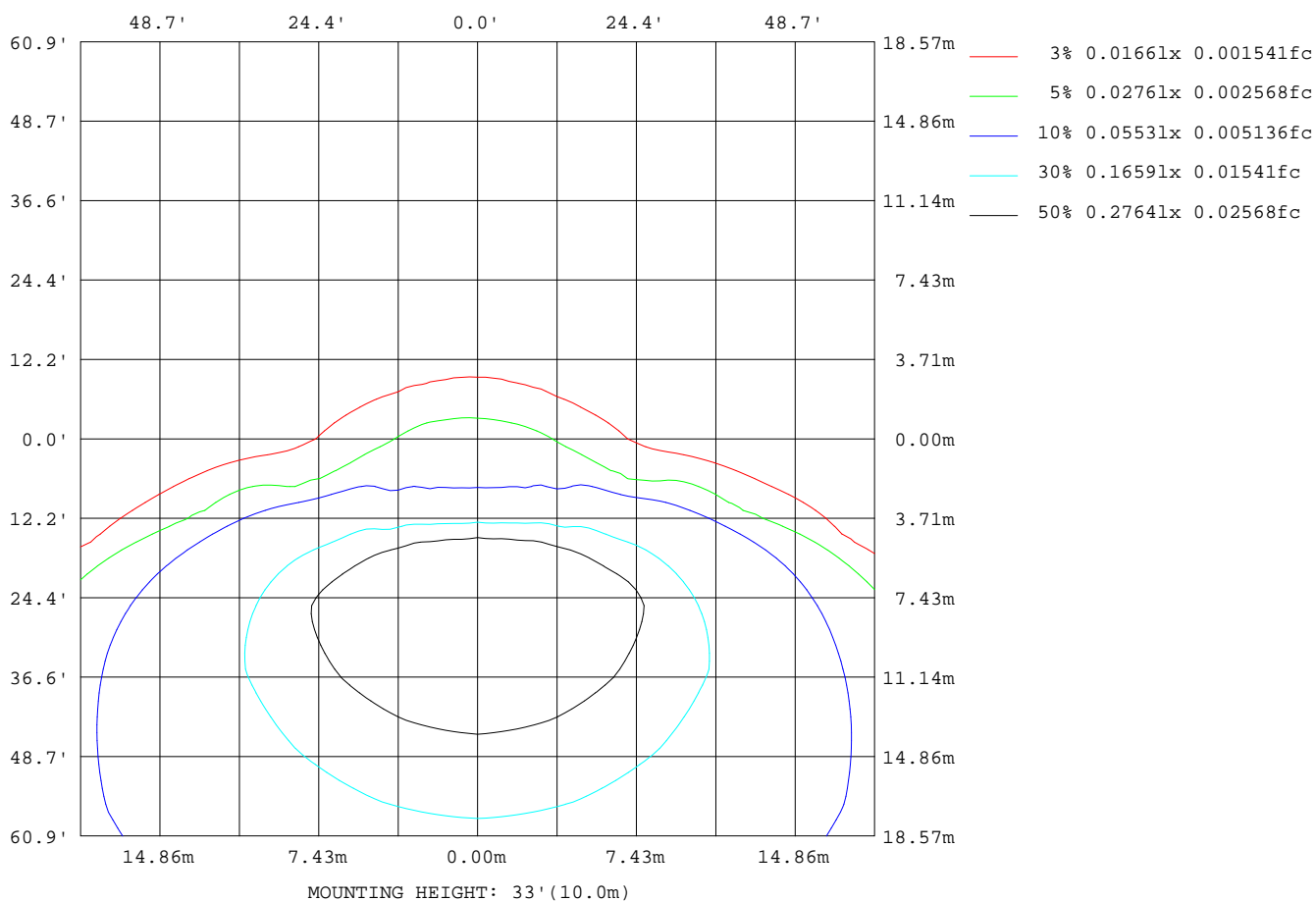
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

|  |                             |             |
|--|-----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                             |             |
| NAME: Capetown SS-830-65°  | TYPE: Recessed Ground Light | SERIAL No.: |
| SPEC.: 3000K   | DIM.: L100mm*H30mm          |             |
| MFR.: NEKO LIGHTING AG   |                             |             |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

### LED Avg.L Report

|  |                            |             |
|--|----------------------------|-------------|
| Test:U:220.9V I:0.0455A P:4.465W PF:0.4446 Freq:60.07Hz Lamp Flux:171.364x1 lm |                            |             |
| NAME: Capetown SS-830-65°  | TYPE:Recessed Ground Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: L100mm*H30mm         |             |
| MFR.: NEKO LIGHTING AG   |                            |             |

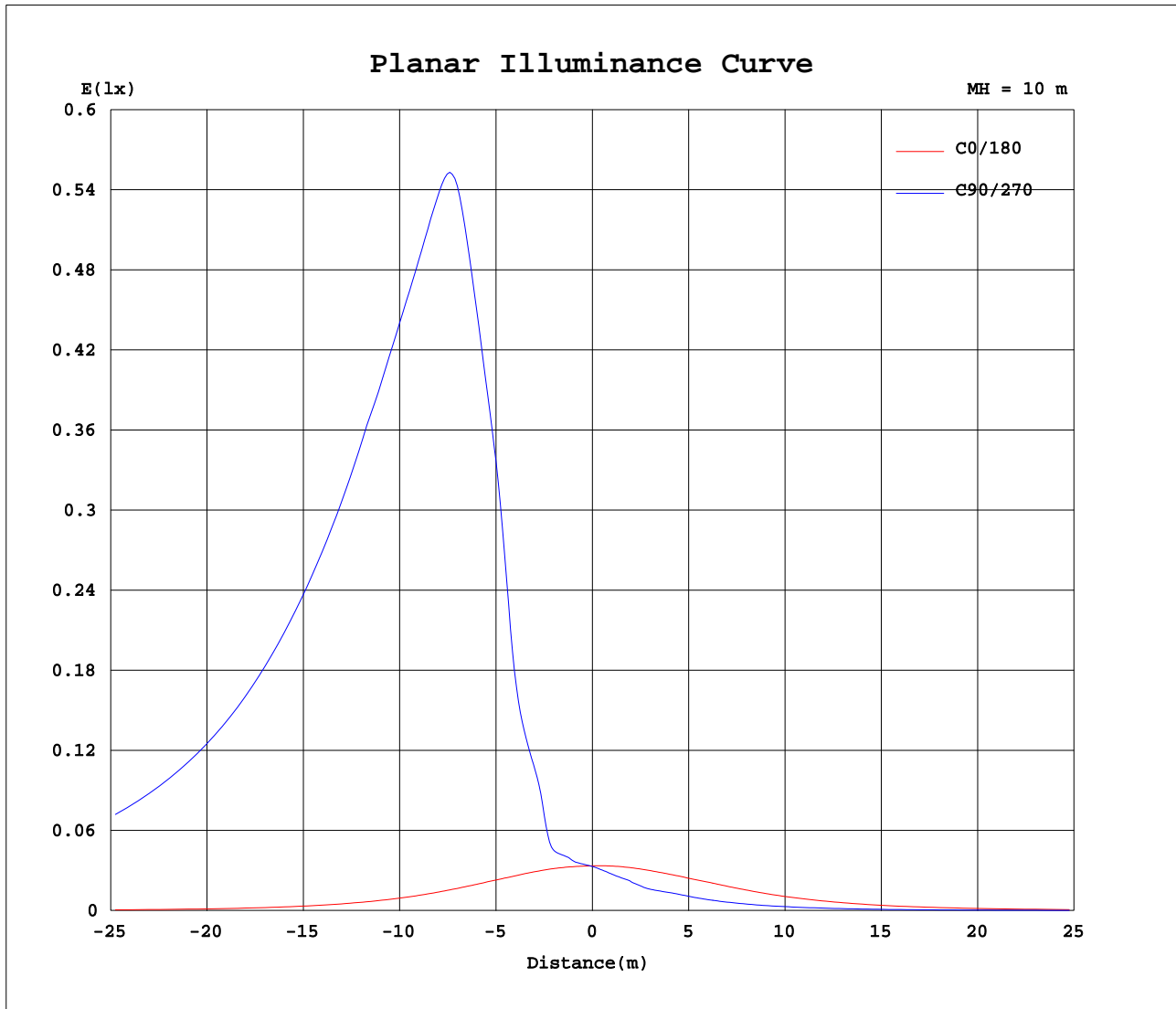
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 1187  |
| L_0~180(75)av  | 899   |
| L_0~180(85)av  | 670   |
| L_90~270(65)av | 55202 |
| L_90~270(75)av | 83388 |
| L_90~270(85)av | 1195  |
| L_45(65)av     | 40683 |
| L_45(75)av     | 59372 |
| L_45(85)av     | 1957  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-06-24

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
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: Jason  
Test Date: 2020-06-24

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:5.850m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:5.850m [K=1.0000]
Remarks:

```