

LED Linear Light FL300-SL300-2S-8W-830-30D



|                     |        |                          |
|---------------------|--------|--------------------------|
| Light Output Ratio: | 100.0% |                          |
| Luminaire Power:    | 9.98 W |                          |
| SHR Nominal:        | 0.50   | Calculated using the TM5 |
| SHR Maximum:        | 0.50   | fine grid method.        |

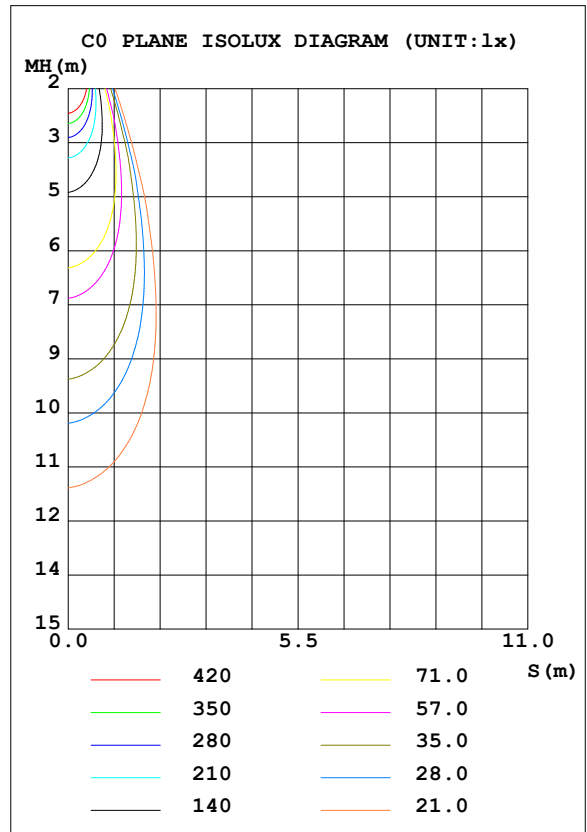
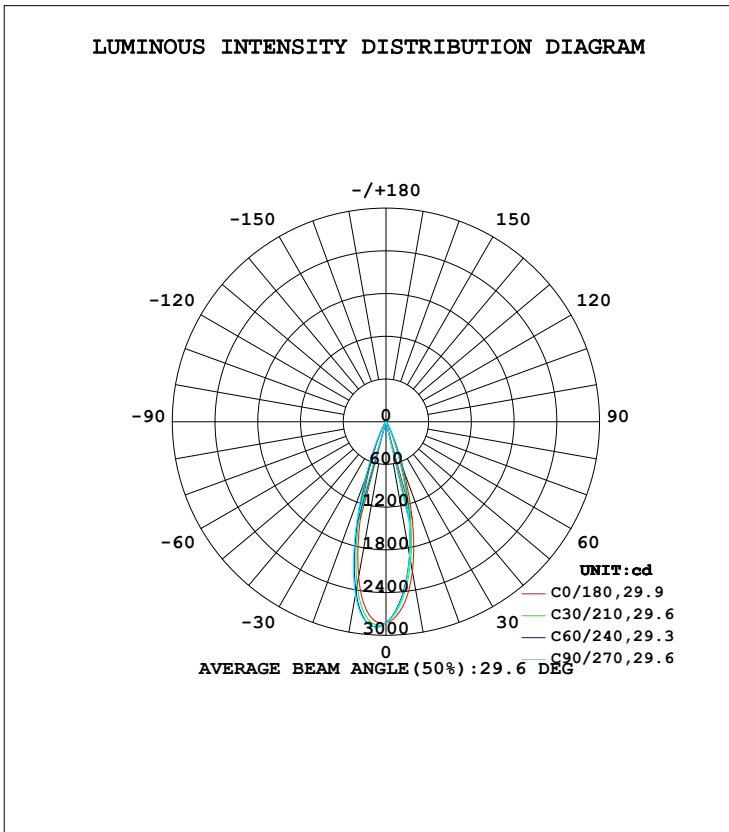
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Myles  
Test Date: 2019-03-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 56%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |

| DATA OF LAMP      |             | PHOTOMETRIC DATA Eff: 80.73 lm/W |        |                     |           |
|-------------------|-------------|----------------------------------|--------|---------------------|-----------|
| MODEL             | OSRAM-3000K | I <sub>max</sub> (cd)            | 2892   | S/MH (C0/180)       | 0.48      |
| NOMINAL POWER (W) | 10          | LOR (%)                          | 100.0  | S/MH (C90/270)      | 0.52      |
| RATED VOLTAGE (V) | 220         | TOTAL FLUX (lm)                  | 805.73 | η UP, DN (C0-180)   | 0.0, 44.9 |
| NOMINAL FLUX (lm) | 805.727     | CIE CLASS                        | DIRECT | η UP, DN (C180-360) | 0.0, 55.1 |
| LAMPS INSIDE      | 1           | η up (%)                         | 0.0    | CIBSE SHR NOM       | 0.50      |
| TEST VOLTAGE (V)  | 220         | η down (%)                       | 100.0  | CIBSE SHR MAX       | 0.50      |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Myles  
 Test Date: 2019-03-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 56%  
 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       | 2137                  | 1961   | 1912   | 2051   | 2219   | 2361   | 2474   | 2356   | 0- 10    | 239.8       | 239.8        | 29.8,29.8 |
| 20       | 720.1                 | 602.5  | 538.8  | 573.4  | 645.0  | 749.9  | 869.5  | 849.5  | 10- 20   | 381.3       | 621.1        | 77.1,77.1 |
| 30       | 111.3                 | 93.33  | 82.99  | 89.89  | 95.41  | 111.0  | 135.8  | 134.0  | 20- 30   | 138.3       | 759.4        | 94.2,94.2 |
| 40       | 25.49                 | 22.65  | 20.78  | 22.07  | 23.59  | 26.82  | 29.67  | 29.25  | 30- 40   | 33.75       | 793.1        | 98.4,98.4 |
| 50       | 6.224                 | 5.582  | 5.426  | 5.396  | 6.043  | 6.266  | 6.934  | 6.440  | 40- 50   | 9.709       | 802.8        | 99.6,99.6 |
| 60       | 0.7550                | 0.5954 | 0.5200 | 0.5124 | 0.6407 | 0.7849 | 0.9786 | 0.8376 | 50- 60   | 2.596       | 805.4        | 100,100   |
| 70       | 0.1029                | 0.0743 | 0.0832 | 0.0612 | 0.0633 | 0.0875 | 0.0742 | 0.0985 | 60- 70   | 0.2259      | 805.7        | 100,100   |
| 80       | 0.0394                | 0.0262 | 0.0351 | 0.0219 | 0.0175 | 0.0350 | 0.0175 | 0.0350 | 70- 80   | 0.0514      | 805.7        | 100,100   |
| 90       | 0.0262                | 0.0262 | 0.0284 | 0.0219 | 0.0175 | 0.0153 | 0.0175 | 0.0153 | 80- 90   | 0.0254      | 805.7        | 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): 799.42 lm

%lum = 99.2%  
%lamp = 99.2%

Conical surface Flux(120deg): 805.42 lm

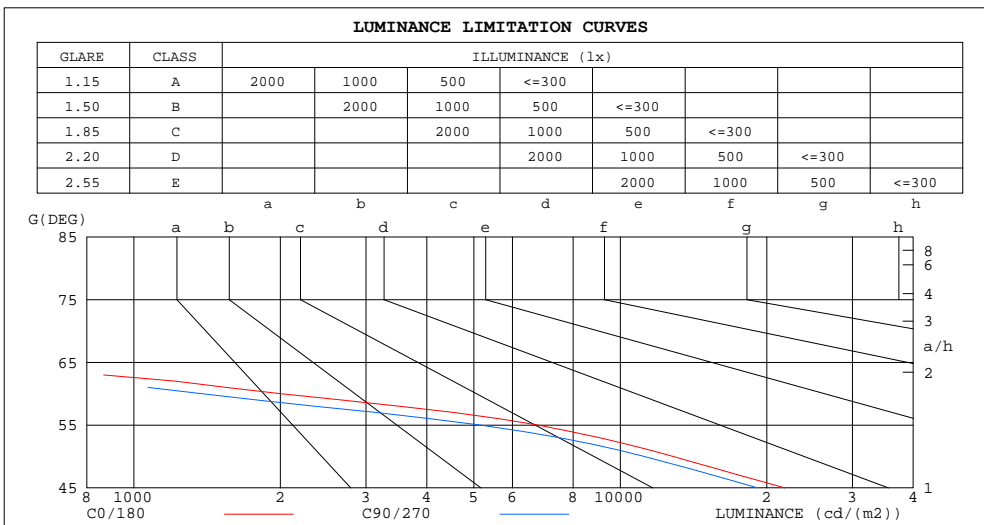
%lum = 100.0%  
%lamp = 100.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-03-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 433    | 433     |
| 80                | 301    | 268     |
| 75                | 325    | 269     |
| 70                | 399    | 323     |
| 65                | 556    | 467     |
| 60                | 2002   | 1379    |
| 55                | 6771   | 5149    |
| 50                | 12836  | 11189   |
| 45                | 21783  | 19162   |

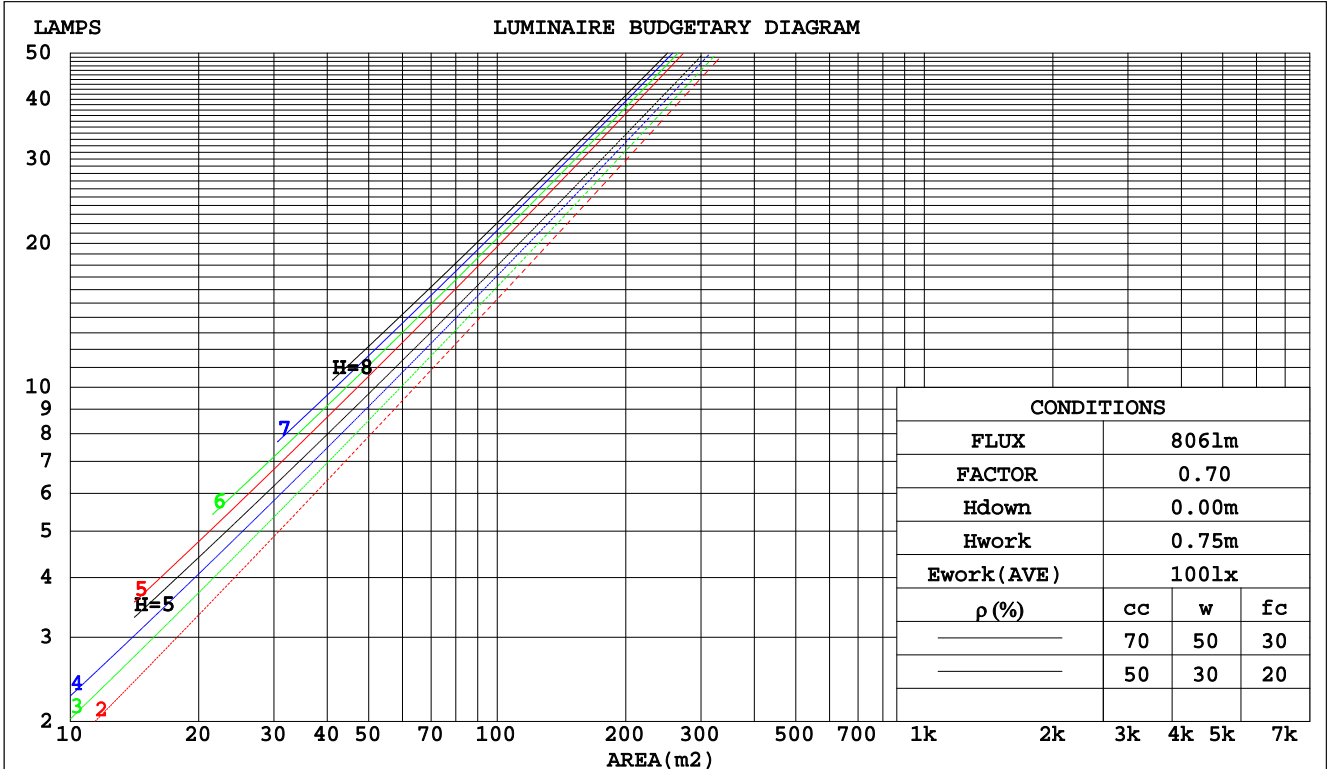
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
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γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| 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  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 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  | 1.13   | 1.11 | 1.09 | 1.11 | 1.09 | 1.07 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .00  | .99  | .98  | .96  |
| 2.0  | 1.07   | 1.04 | 1.02 | 1.06 | 1.03 | 1.00 | 1.02 | 1.00 | .98  | .00  | .98  | .96  | .97  | .95  | .94  | .93  |
| 3.0  | 1.02   | .99  | .96  | 1.01 | .98  | .95  | .99  | .96  | .93  | .96  | .94  | .92  | .94  | .92  | .91  | .89  |
| 4.0  | .98  | .94  | .91  | .97  | .93  | .90  | .95  | .92  | .89  | .93  | .91  | .88  | .91  | .89  | .87  | .86  |
| 5.0  | .94  | .90  | .87  | .93  | .89  | .86  | .92  | .88  | .86  | .90  | .87  | .85  | .89  | .86  | .84  | .83  |
| 6.0  | .91  | .86  | .83  | .90  | .86  | .83  | .89  | .85  | .83  | .87  | .84  | .82  | .86  | .84  | .81  | .80  |
| 7.0  | .88  | .83  | .80  | .87  | .83  | .80  | .86  | .82  | .80  | .85  | .82  | .79  | .84  | .81  | .79  | .78  |
| 8.0  | .85  | .80  | .77  | .84  | .80  | .77  | .83  | .80  | .77  | .82  | .79  | .77  | .81  | .79  | .76  | .75  |
| 9.0  | .82  | .78  | .75  | .81  | .77  | .75  | .81  | .77  | .74  | .80  | .77  | .74  | .79  | .76  | .74  | .73  |
| 10.0 | .79  | .75  | .72  | .79  | .75  | .72  | .78  | .75  | .72  | .78  | .74  | .72  | .77  | .74  | .72  | .71  |



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γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 56%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

WEC AND CCEC

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| 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  | .141                  | .080 | .025 | .134 | .076 | .024 | .122                            | .070 | .022 | .110 | .064 | .020 | .100 | .058 | .019 |   |
| 2.0  | .131                  | .072 | .022 | .125 | .069 | .021 | .115                            | .064 | .020 | .106 | .059 | .019 | .097 | .055 | .017 |   |
| 3.0  | .122                  | .065 | .020 | .118 | .063 | .019 | .109                            | .059 | .018 | .101 | .056 | .017 | .094 | .052 | .016 |   |
| 4.0  | .115                  | .060 | .018 | .111 | .058 | .017 | .104                            | .055 | .016 | .097 | .052 | .016 | .091 | .049 | .015 |   |
| 5.0  | .109                  | .055 | .016 | .106 | .054 | .016 | .099                            | .052 | .015 | .094 | .049 | .015 | .088 | .047 | .014 |   |
| 6.0  | .103                  | .052 | .015 | .100 | .051 | .015 | .095                            | .049 | .014 | .090 | .047 | .014 | .085 | .045 | .013 |   |
| 7.0  | .098                  | .049 | .014 | .096 | .048 | .014 | .091                            | .046 | .013 | .087 | .044 | .013 | .083 | .043 | .013 |   |
| 8.0  | .094                  | .046 | .013 | .092 | .045 | .013 | .088                            | .044 | .012 | .084 | .042 | .012 | .080 | .041 | .012 |   |
| 9.0  | .090                  | .043 | .012 | .088 | .043 | .012 | .084                            | .042 | .012 | .081 | .041 | .012 | .078 | .039 | .011 |   |
| 10.0 | .086                  | .041 | .011 | .084 | .041 | .011 | .081                            | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 |   |

| 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  | .169                  | .158 | .148 | .144 | .135 | .127 | .099                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 |   |
| 2.0  | .151                  | .133 | .117 | .129 | .114 | .102 | .089                                       | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 |   |
| 3.0  | .136                  | .113 | .095 | .117 | .098 | .083 | .080                                       | .068 | .058 | .046 | .040 | .034 | .015 | .013 | .011 |   |
| 4.0  | .124                  | .098 | .078 | .106 | .085 | .068 | .073                                       | .059 | .048 | .042 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0  | .114                  | .086 | .065 | .098 | .074 | .057 | .067                                       | .052 | .040 | .039 | .030 | .024 | .013 | .010 | .008 |   |
| 6.0  | .105                  | .076 | .055 | .090 | .066 | .048 | .062                                       | .046 | .034 | .036 | .027 | .020 | .012 | .009 | .007 |   |
| 7.0  | .097                  | .068 | .047 | .084 | .059 | .041 | .058                                       | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 |   |
| 8.0  | .091                  | .061 | .040 | .078 | .053 | .035 | .054                                       | .037 | .025 | .032 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0  | .086                  | .055 | .035 | .074 | .048 | .031 | .051                                       | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0 | .081                  | .051 | .031 | .070 | .044 | .027 | .048                                       | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
 Test Date:2019-03-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| 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                                      | 14.3             | 14.9 | 14.5 | 15.1 | 15.2 | 13.2           | 13.9 | 13.4 | 14.0 | 14.2 |
| 3H   | 14.1             | 14.7 | 14.3 | 14.9 | 15.1 | 13.0           | 13.7 | 13.3 | 13.9 | 14.0 |
| 4H   | 14.0             | 14.6 | 14.3 | 14.8 | 15.0 | 13.0           | 13.6 | 13.2 | 13.8 | 14.0 |
| 6H   | 13.9             | 14.5 | 14.2 | 14.7 | 15.0 | 12.9           | 13.4 | 13.1 | 13.7 | 13.9 |
| 8H   | 13.9             | 14.4 | 14.2 | 14.7 | 14.9 | 12.8           | 13.4 | 13.1 | 13.6 | 13.9 |
| 12H  | 13.9             | 14.4 | 14.2 | 14.6 | 14.9 | 12.8           | 13.3 | 13.1 | 13.6 | 13.8 |
| 4H 2H  | 14.0             | 14.6 | 14.3 | 14.8 | 15.1 | 13.0           | 13.6 | 13.2 | 13.8 | 14.0 |
| 3H   | 13.9             | 14.4 | 14.2 | 14.7 | 14.9 | 12.8           | 13.3 | 13.1 | 13.6 | 13.8 |
| 4H   | 13.8             | 14.3 | 14.1 | 14.5 | 14.8 | 12.7           | 13.2 | 13.0 | 13.5 | 13.8 |
| 6H   | 13.7             | 14.1 | 14.0 | 14.4 | 14.8 | 12.6           | 13.0 | 13.0 | 13.4 | 13.7 |
| 8H   | 13.6             | 14.0 | 14.0 | 14.4 | 14.7 | 12.5           | 12.9 | 12.9 | 13.3 | 13.7 |
| 12H  | 13.6             | 13.9 | 14.0 | 14.3 | 14.7 | 12.5           | 12.9 | 12.9 | 13.2 | 13.6 |
| 8H 4H  | 13.6             | 14.0 | 14.0 | 14.4 | 14.7 | 12.5           | 12.9 | 12.9 | 13.3 | 13.7 |
| 6H   | 13.5             | 13.8 | 13.9 | 14.2 | 14.6 | 12.4           | 12.8 | 12.9 | 13.2 | 13.6 |
| 8H   | 13.4             | 13.7 | 13.9 | 14.1 | 14.6 | 12.4           | 12.7 | 12.8 | 13.1 | 13.5 |
| 12H  | 13.4             | 13.6 | 13.8 | 14.1 | 14.5 | 12.3           | 12.6 | 12.8 | 13.0 | 13.5 |
| 12H 4H   | 13.6             | 13.9 | 14.0 | 14.3 | 14.7 | 12.5           | 12.9 | 12.9 | 13.2 | 13.6 |
| 6H   | 13.4             | 13.7 | 13.9 | 14.1 | 14.6 | 12.4           | 12.7 | 12.8 | 13.1 | 13.5 |
| 8H   | 13.4             | 13.6 | 13.8 | 14.1 | 14.5 | 12.3           | 12.6 | 12.8 | 13.0 | 13.5 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 3.4 / -11.3    |      |      |      |      | + 3.2 / -11.8  |      |      |      |      |
| 1.5H   | + 5.3 / - 8.0    |      |      |      |      | + 4.8 / - 7.6  |      |      |      |      |
| 2.0H   | + 5.9 / -15.6    |      |      |      |      | + 5.6 / -15.4  |      |      |      |      |

CIE Pub.117, 805.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.8)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
 Test Date:2019-03-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| 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                         | 91  | 85  | 81        | 90  | 85  | 81  | 89            | 84  | 81  | 78     |
| 0.80                             | 98  | 92  | 89        | 97  | 92  | 89  | 96            | 91  | 88  | 85     |
| 1.00                             | 101   | 96  | 93        | 101 | 96  | 93  | 99            | 96  | 92  | 89     |
| 1.25                             | 105   | 100 | 97        | 104 | 100 | 97  | 102           | 99  | 96  | 92     |
| 1.50                             | 108   | 103 | 100       | 106 | 103 | 100 | 104           | 101 | 99  | 94     |
| 2.00                             | 110   | 106 | 103       | 108 | 105 | 102 | 106           | 103 | 101 | 96     |
| 2.50                             | 111   | 108 | 105       | 110 | 107 | 104 | 107           | 104 | 102 | 97     |
| 3.00                             | 113   | 109 | 107       | 111 | 108 | 106 | 108           | 105 | 104 | 98     |
| 4.00                             | 114   | 112 | 110       | 112 | 110 | 109 | 109           | 107 | 106 | 99     |
| 5.00                             | 116   | 114 | 112       | 114 | 112 | 110 | 110           | 108 | 107 | 100    |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

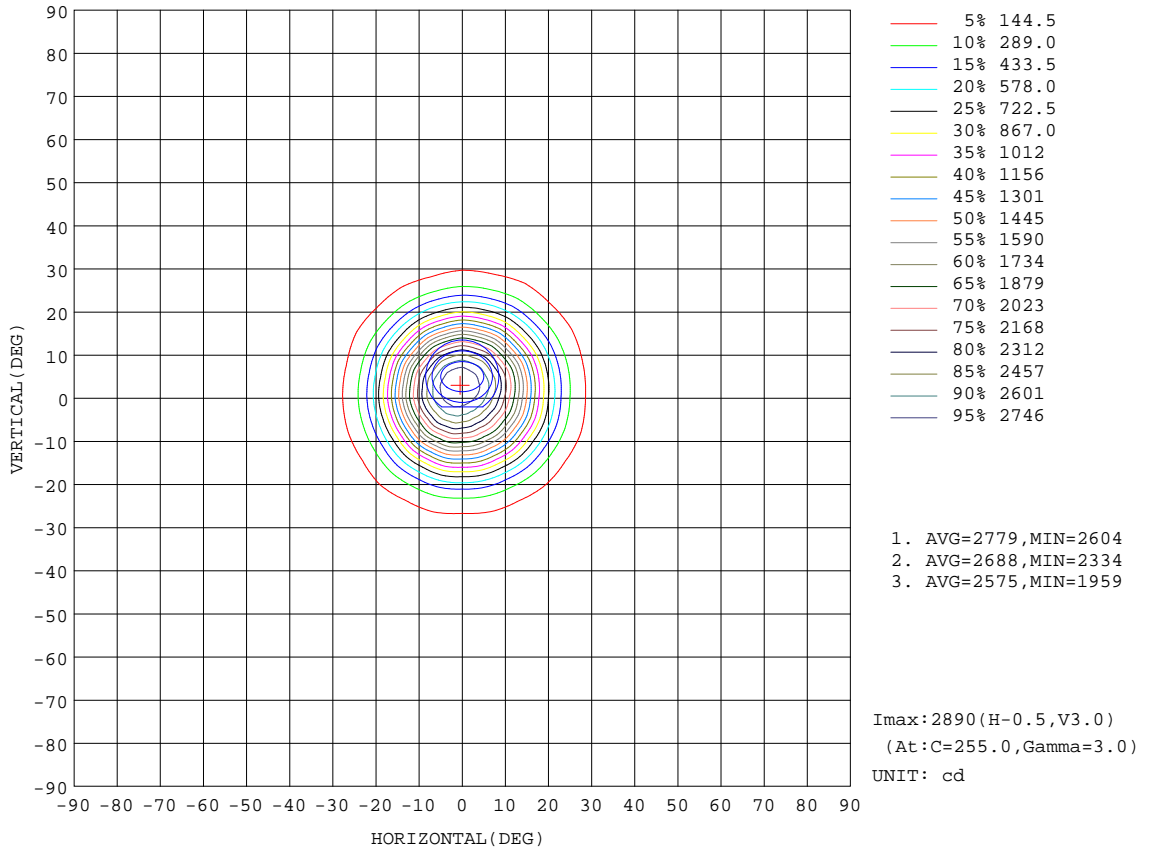
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
 Test Date:2019-03-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:



**ISOCANDELA DIAGRAM**

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |

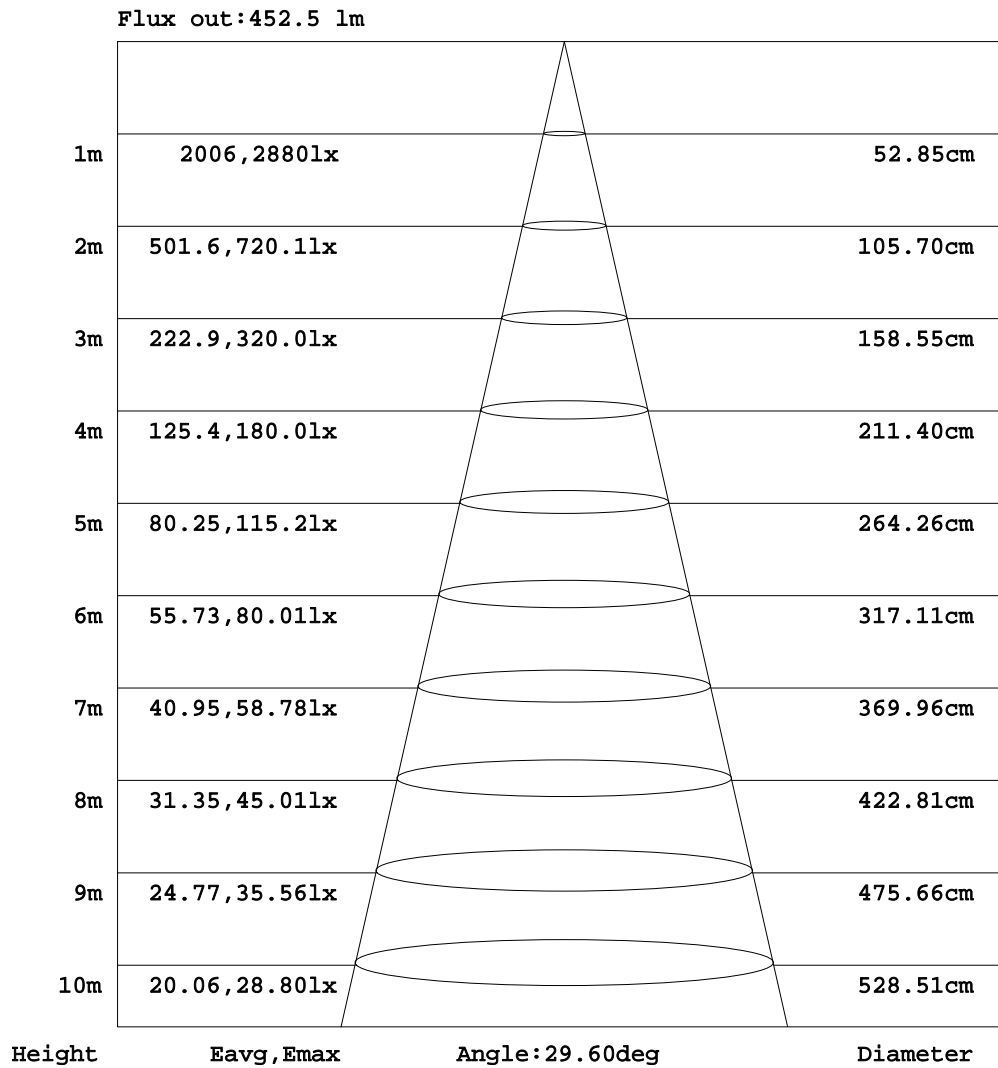


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-03-14

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**AAI Figure**

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |



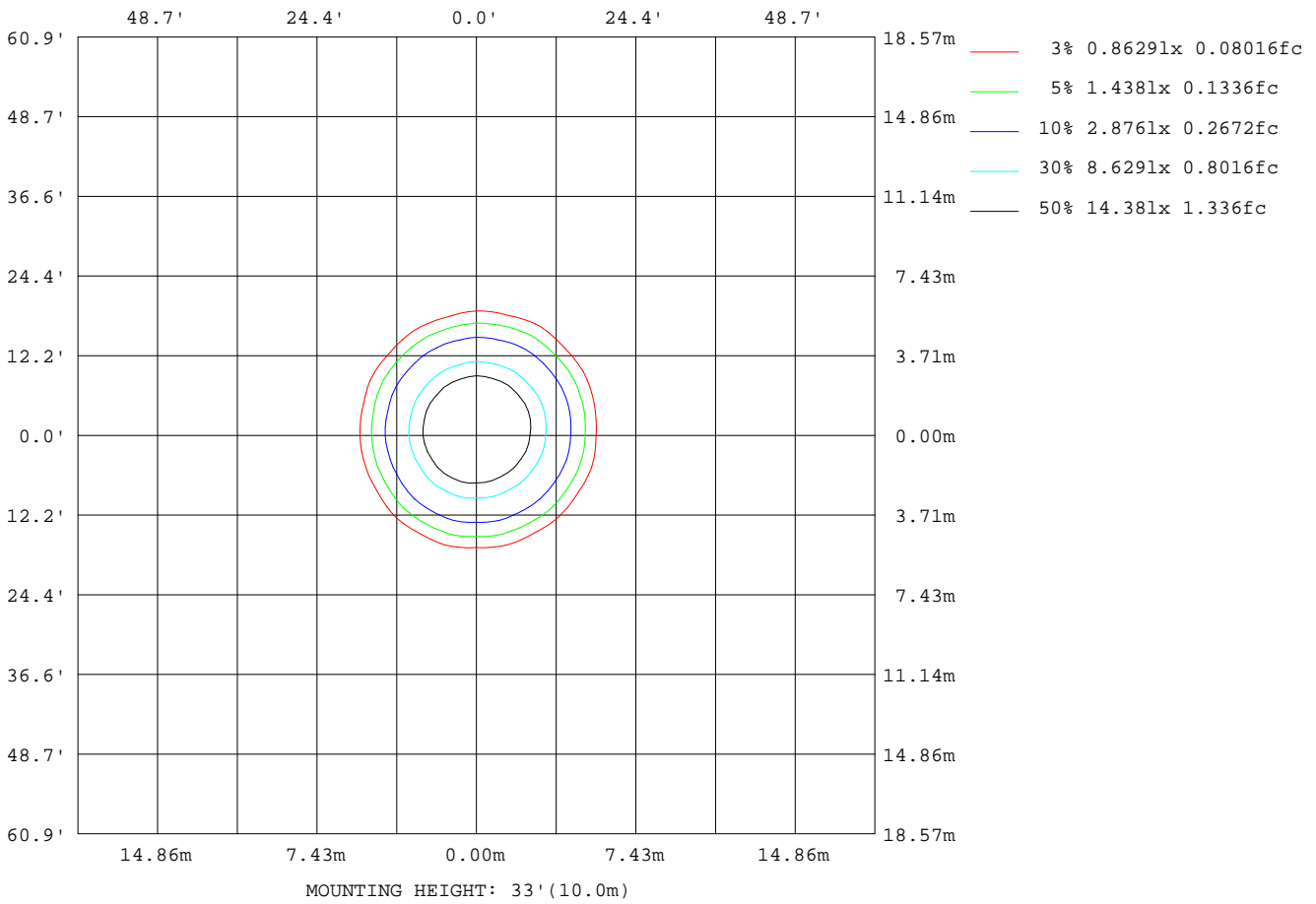
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-03-14

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Myles  
 Test Date:2019-03-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:56%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

LED Avg.L Report

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |

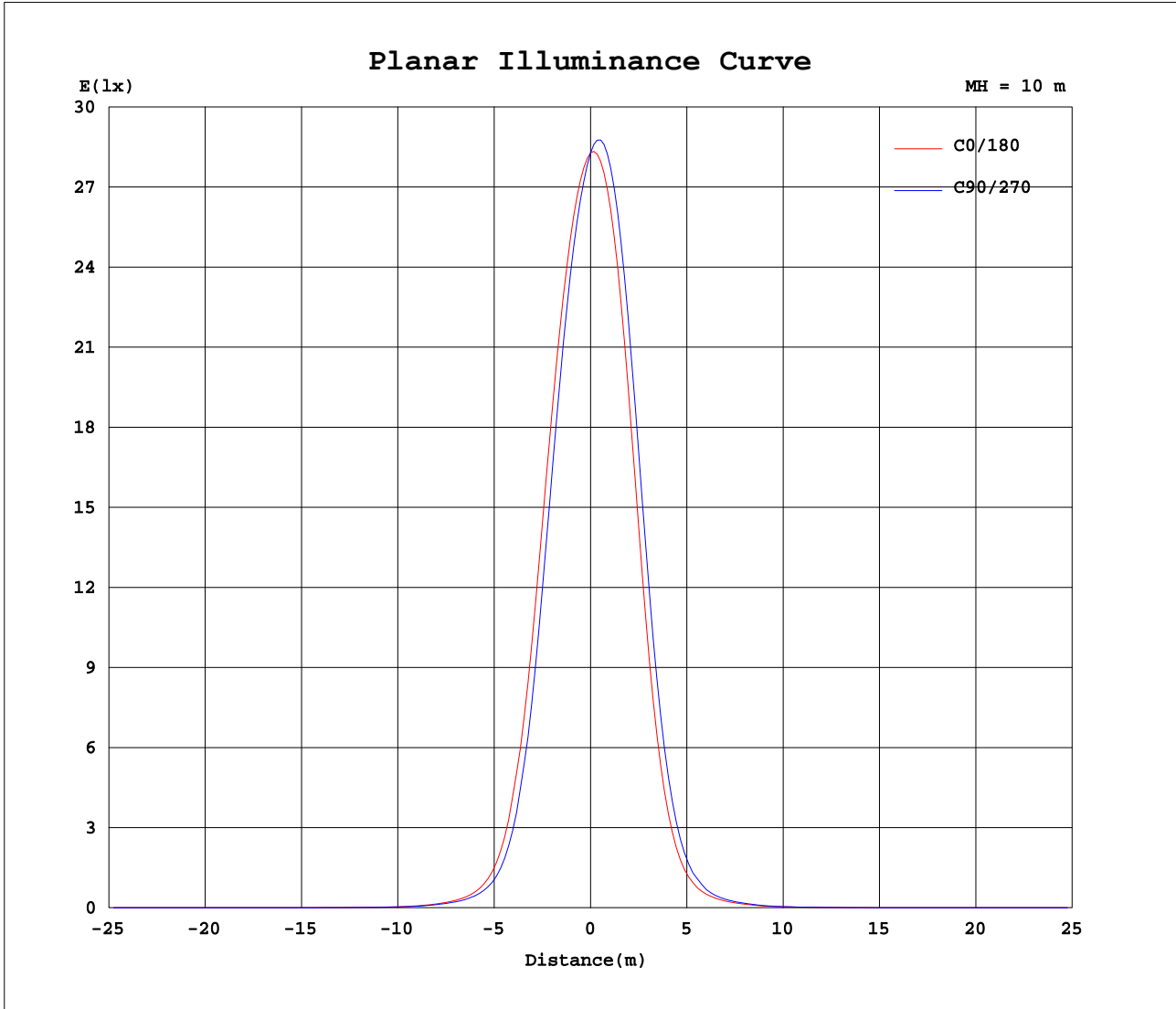
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 480   |
| L_0~180 (75) av  | 241   |
| L_0~180 (85) av  | 349   |
| L_90~270 (65) av | 480   |
| L_90~270 (75) av | 224   |
| L_90~270 (85) av | 350   |
| L_45 (65) av     | 482   |
| L_45 (75) av     | 227   |
| L_45 (85) av     | 341   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Myles  
Test Date:2019-03-14

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
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: Myles  
 Test Date: 2019-03-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 56%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                         |             |
|--|-------------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                         |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light       | SERIAL No.: |
| SPEC.:3000K  | DIM.: $\phi$ 31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                         |             |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 2829 | 2831 | 2826 | 2831 | 2825 | 2832 | 2828 | 2836 | 2832 | 2836 | 2835 | 2836 | 2829 | 2831 | 2826 | 2831 | 2825 | 2832 | 2828 |
| 5                  | 2620 | 2584 | 2529 | 2514 | 2485 | 2500 | 2503 | 2546 | 2561 | 2609 | 2631 | 2679 | 2722 | 2754 | 2799 | 2820 | 2850 | 2855 | 2857 |
| 10                 | 2137 | 2076 | 1991 | 1961 | 1909 | 1918 | 1912 | 1973 | 1985 | 2051 | 2069 | 2141 | 2219 | 2252 | 2336 | 2361 | 2430 | 2442 | 2474 |
| 15                 | 1429 | 1378 | 1286 | 1250 | 1185 | 1182 | 1159 | 1203 | 1201 | 1255 | 1258 | 1317 | 1396 | 1428 | 1526 | 1554 | 1639 | 1646 | 1703 |
| 20                 | 720  | 691  | 638  | 603  | 561  | 547  | 539  | 553  | 553  | 573  | 576  | 598  | 645  | 666  | 732  | 750  | 812  | 818  | 870  |
| 25                 | 287  | 274  | 246  | 233  | 211  | 207  | 200  | 209  | 207  | 218  | 214  | 224  | 241  | 252  | 282  | 289  | 314  | 319  | 345  |
| 30                 | 111  | 106  | 97.3 | 93.3 | 86.3 | 84.8 | 83.0 | 86.1 | 86.8 | 89.9 | 88.0 | 89.9 | 95.4 | 99.3 | 108  | 111  | 123  | 120  | 136  |
| 35                 | 50.9 | 50.2 | 47.0 | 45.3 | 42.2 | 41.7 | 41.3 | 43.5 | 44.0 | 45.2 | 43.7 | 44.3 | 46.5 | 48.5 | 52.3 | 53.2 | 54.7 | 55.0 | 58.5 |
| 40                 | 25.5 | 25.2 | 23.3 | 22.7 | 21.1 | 21.1 | 20.8 | 21.7 | 21.2 | 22.1 | 21.6 | 22.2 | 23.6 | 24.5 | 26.5 | 26.8 | 28.0 | 28.1 | 29.7 |
| 45                 | 11.6 | 11.3 | 10.6 | 10.6 | 10.3 | 10.4 | 10.2 | 10.3 | 9.96 | 10.3 | 10.4 | 10.8 | 11.2 | 11.2 | 11.6 | 11.8 | 12.6 | 12.7 | 13.2 |
| 50                 | 6.22 | 5.94 | 5.51 | 5.58 | 5.52 | 5.56 | 5.43 | 5.43 | 5.20 | 5.40 | 5.52 | 5.81 | 6.04 | 5.98 | 6.12 | 6.27 | 6.71 | 6.76 | 6.93 |
| 55                 | 2.93 | 2.79 | 2.50 | 2.51 | 2.37 | 2.34 | 2.23 | 2.30 | 2.19 | 2.34 | 2.35 | 2.51 | 2.70 | 2.71 | 2.87 | 2.98 | 3.26 | 3.26 | 3.35 |
| 60                 | 0.76 | 0.71 | 0.61 | 0.60 | 0.57 | 0.56 | 0.52 | 0.50 | 0.48 | 0.51 | 0.53 | 0.58 | 0.64 | 0.65 | 0.73 | 0.78 | 0.92 | 0.94 | 0.98 |
| 65                 | 0.18 | 0.16 | 0.17 | 0.15 | 0.16 | 0.14 | 0.15 | 0.13 | 0.14 | 0.13 | 0.14 | 0.12 | 0.13 | 0.15 | 0.13 | 0.16 | 0.15 | 0.17 | 0.16 |
| 70                 | 0.10 | 0.08 | 0.10 | 0.07 | 0.09 | 0.07 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.07 | 0.06 | 0.08 | 0.06 | 0.09 | 0.07 | 0.09 | 0.07 |
| 75                 | 0.06 | 0.04 | 0.06 | 0.04 | 0.06 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.06 | 0.03 |
| 80                 | 0.04 | 0.03 | 0.04 | 0.03 | 0.04 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 | 0.04 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | 0.01 | 0.03 | 0.02 |
| 85                 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 |
| 90                 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Myles  
 Test Date: 2019-03-14

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 56%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                   |             |
|--|-------------------|-------------|
| Test:U:221.0V I:0.0491A P:9.980W PF:0.9043 Freq:49.90Hz Lamp Flux:805.727x1 lm |                   |             |
| NAME: FL300-SL300-2S-8W-830-30D  | TYPE:Linear Light | SERIAL No.: |
| SPEC.:3000K  | DIM.: φ31mm*H50mm |             |
| MFR.: NEKO LIGHTING AG   |                   |             |

Table--2

UNIT: cd

| C (DEG) \ γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 2836 | 2832 | 2836 | 2835 | 2836 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 2831 | 2810 | 2764 | 2733 | 2680 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 2430 | 2424 | 2356 | 2328 | 2240 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 1674 | 1695 | 1632 | 1615 | 1527 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 860  | 890  | 849  | 847  | 785  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 348  | 366  | 347  | 343  | 315  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 133  | 147  | 134  | 136  | 121  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 61.4 | 64.0 | 61.0 | 57.6 | 53.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 29.9 | 31.0 | 29.2 | 28.5 | 26.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 12.8 | 12.9 | 12.5 | 12.7 | 12.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 6.62 | 6.56 | 6.44 | 6.70 | 6.54 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 3.15 | 3.12 | 3.06 | 3.23 | 3.14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 0.88 | 0.89 | 0.84 | 0.90 | 0.83 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 0.17 | 0.16 | 0.18 | 0.16 | 0.18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 0.09 | 0.08 | 0.10 | 0.08 | 0.10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 0.06 | 0.03 | 0.06 | 0.04 | 0.06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 0.04 | 0.02 | 0.04 | 0.02 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                      |  |
|----------------------|--|
| C Range: 0 - 360DEG  | γ Range: 0 - 90DEG                               |
| C Interval: 15.0DEG  | γ Interval: 1.0DEG                               |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362 |
| Temperature:25.3DEG  | Humidity:56%                                     |
| Operators:Myles      | Test Distance:5.850m [K=1.0000]                  |
| Test Date:2019-03-14 | Remarks:   |