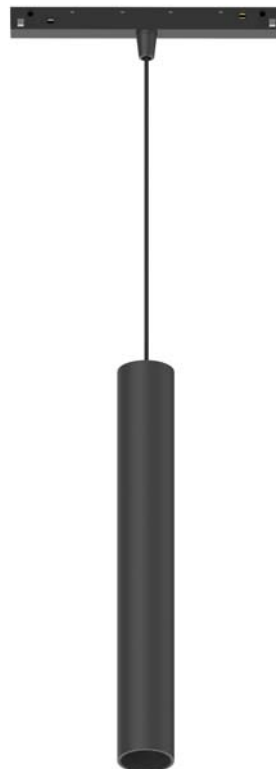


Low Voltage Track System Module ML26-PS40-12W-940-30



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0%  |                          |
| Luminaire Power:    | 11.87 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: 2020-05-15

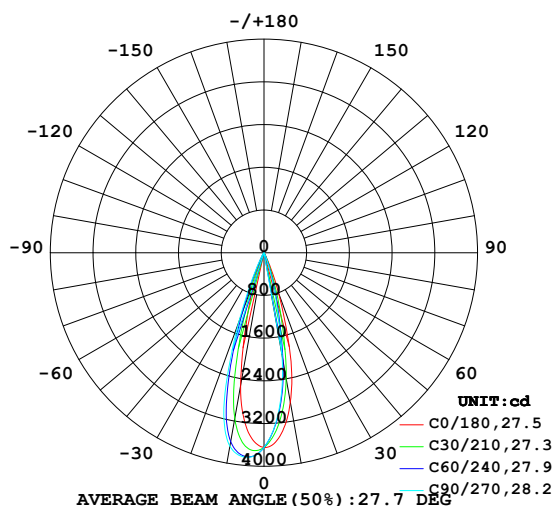
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

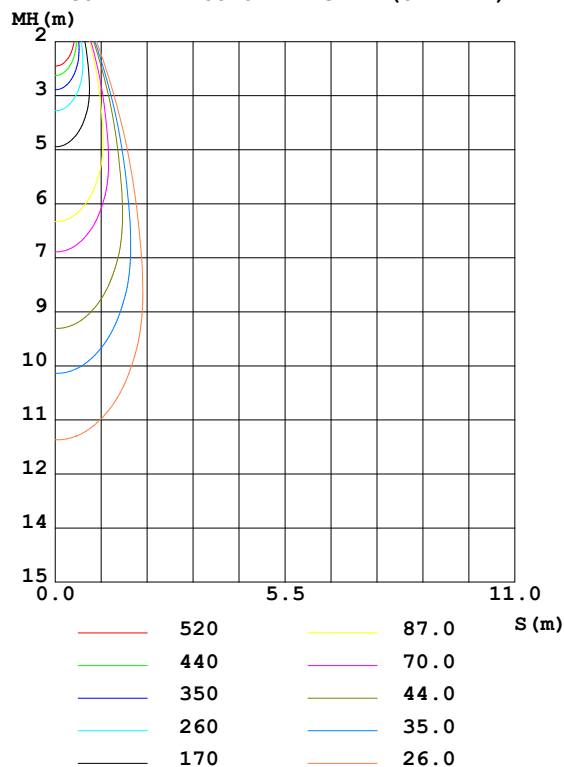
|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

| DATA OF LAMP      |               | PHOTOMETRIC DATA Eff: 73.27 lm/W |        |                          |           |
|-------------------|---------------|----------------------------------|--------|--------------------------|-----------|
| MODEL             | CITIZEN-4000K | I <sub>max</sub> (cd)            | 3851   | S/MH (C0/180)            | 0.40      |
| NOMINAL POWER (W) | 12            | LOR (%)                          | 100.0  | S/MH (C90/270)           | 0.54      |
| RATED VOLTAGE (V) | 48            | TOTAL FLUX (lm)                  | 869.42 | $\eta$ UP, DN (C0-180)   | 0.0, 40.2 |
| NOMINAL FLUX (lm) | 869.416       | CIE CLASS                        | DIRECT | $\eta$ UP, DN (C180-360) | 0.0, 59.8 |
| LAMPS INSIDE      | 1             | $\eta$ up (%)                    | 0.0    | CIBSE SHR NOM            | 0.00      |
| TEST VOLTAGE (V)  | 48            | $\eta$ 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:2020-05-15

$\gamma$  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:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 2843                  | 2228   | 1961   | 2701   | 2528   | 3378   | 3678   | 2893   | 0- 10    | 307.7       | 307.7        | 35.4, 35.4 |
| 20       | 787.4                 | 373.0  | 263.7  | 486.3  | 377.6  | 893.4  | 1377   | 623.1  | 10- 20   | 437.3       | 745.0        | 85.7, 85.7 |
| 30       | 64.18                 | 41.59  | 38.40  | 59.20  | 49.32  | 82.13  | 109.9  | 55.33  | 20- 30   | 103.3       | 848.3        | 97.6, 97.6 |
| 40       | 15.07                 | 6.379  | 4.168  | 9.369  | 5.072  | 11.72  | 15.73  | 10.45  | 30- 40   | 17.64       | 866.0        | 99.6, 99.6 |
| 50       | 1.674                 | 1.008  | 0.8723 | 1.115  | 0.9025 | 1.202  | 1.590  | 1.284  | 40- 50   | 2.639       | 868.6        | 99.9, 99.9 |
| 60       | 0.4746                | 0.2196 | 0.1978 | 0.2620 | 0.1805 | 0.3111 | 0.4226 | 0.3336 | 50- 60   | 0.5871      | 869.2        | 100, 100   |
| 70       | 0.1077                | 0.0409 | 0.0680 | 0.0624 | 0.0389 | 0.0771 | 0.0810 | 0.0834 | 60- 70   | 0.1475      | 869.3        | 100, 100   |
| 80       | 0.0481                | 0.0340 | 0.0373 | 0.0354 | 0.0275 | 0.0341 | 0.0263 | 0.0354 | 70- 80   | 0.0490      | 869.4        | 100, 100   |
| 90       | 0.0343                | 0.0340 | 0.0373 | 0.0333 | 0.0275 | 0.0227 | 0.0219 | 0.0208 | 80- 90   | 0.0322      | 869.4        | 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): 867.91 lm

%lum = 99.8%

%lamp = 99.8%

Conical surface Flux(120deg): 869.19 lm

%lum = 100.0%

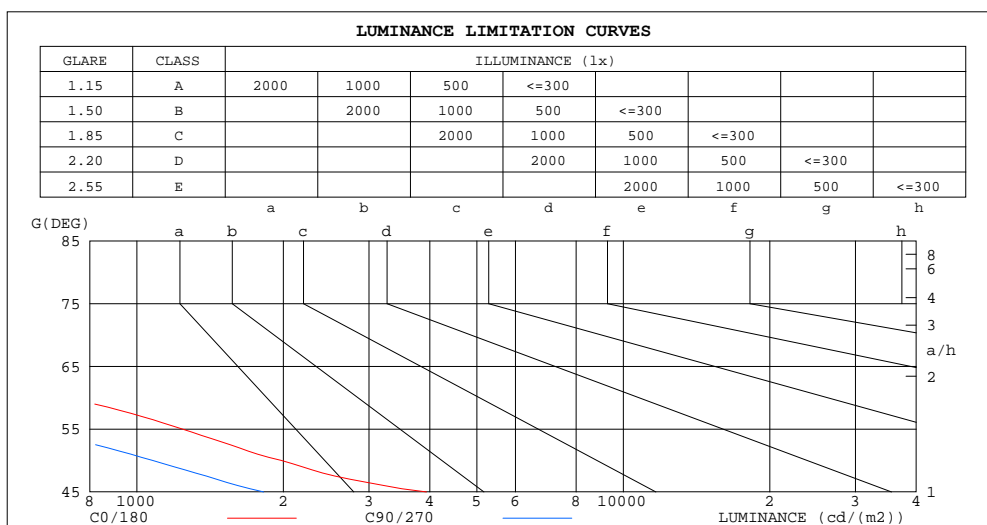
%lamp = 100.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-05-15

$\gamma$  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:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 320    | 320     |
| 80                | 211    | 171     |
| 75                | 202    | 141     |
| 70                | 239    | 158     |
| 65                | 388    | 198     |
| 60                | 722    | 314     |
| 55                | 1240   | 599     |
| 50                | 1980   | 1077    |
| 45                | 3937   | 1822    |

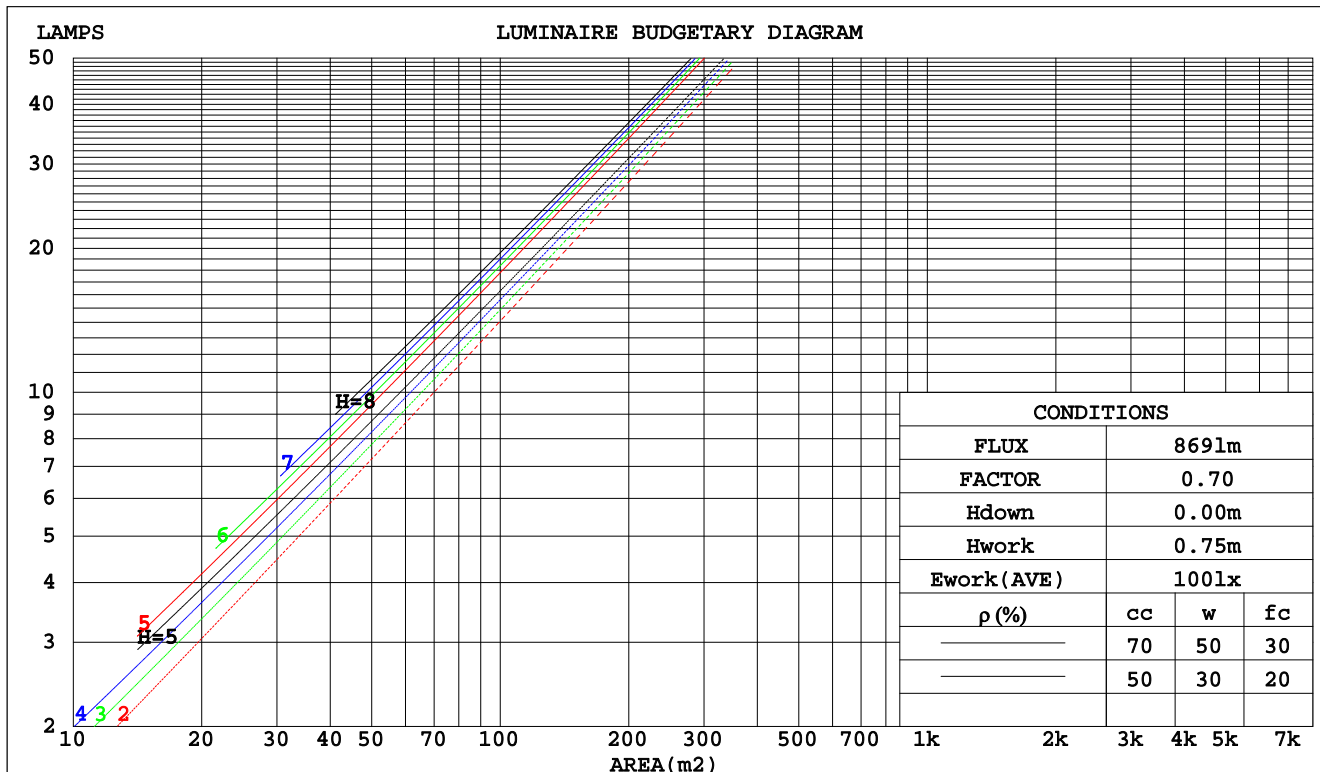
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| 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  | 1.13                  | 1.11 | 1.10 | 1.11 | 1.09 | 1.08 | 1.07                            | 1.06 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | .99  | .99  | .97  |
| 2.0  | 1.08                  | 1.05 | 1.03 | 1.06 | 1.04 | 1.02 | 1.03                            | 1.01 | .99  | 1.00 | .99  | .97  | .98  | .97  | .95  | .94  |
| 3.0  | 1.04                  | 1.00 | .98  | 1.02 | .99  | .97  | .99                             | .97  | .95  | .98  | .96  | .94  | .96  | .94  | .92  | .91  |
| 4.0  | .99                   | .96  | .93  | .99  | .95  | .93  | .97                             | .94  | .92  | .95  | .93  | .91  | .93  | .91  | .90  | .89  |
| 5.0  | .96                   | .93  | .90  | .96  | .92  | .89  | .94                             | .91  | .89  | .93  | .90  | .88  | .91  | .89  | .87  | .86  |
| 6.0  | .93                   | .89  | .87  | .93  | .89  | .86  | .91                             | .88  | .86  | .90  | .87  | .85  | .89  | .87  | .85  | .84  |
| 7.0  | .91                   | .87  | .84  | .90  | .86  | .84  | .89                             | .86  | .83  | .88  | .85  | .83  | .87  | .84  | .82  | .81  |
| 8.0  | .88                   | .84  | .81  | .87  | .84  | .81  | .87                             | .83  | .81  | .86  | .83  | .81  | .85  | .82  | .80  | .79  |
| 9.0  | .86                   | .82  | .79  | .85  | .81  | .79  | .84                             | .81  | .79  | .84  | .81  | .78  | .83  | .80  | .78  | .77  |
| 10.0 | .83                   | .79  | .77  | .83  | .79  | .77  | .82                             | .79  | .77  | .82  | .79  | .76  | .81  | .78  | .76  | .75  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

## WEC AND CCEC

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .133                  | .075 | .024 | .126 | .072 | .023 | .114                            | .065 | .021 | .102 | .059 | .019 | .092 | .053 | .017 |   |  |
| 2.0         | .122                  | .067 | .021 | .117 | .064 | .020 | .107                            | .059 | .018 | .097 | .055 | .017 | .089 | .050 | .016 |   |  |
| 3.0         | .114                  | .061 | .018 | .109 | .059 | .018 | .101                            | .055 | .017 | .093 | .051 | .016 | .086 | .047 | .015 |   |  |
| 4.0         | .106                  | .055 | .016 | .103 | .054 | .016 | .096                            | .051 | .015 | .089 | .048 | .014 | .083 | .045 | .014 |   |  |
| 5.0         | .100                  | .051 | .015 | .097 | .050 | .015 | .091                            | .047 | .014 | .085 | .045 | .013 | .080 | .043 | .013 |   |  |
| 6.0         | .095                  | .048 | .014 | .092 | .046 | .013 | .087                            | .044 | .013 | .082 | .043 | .013 | .077 | .041 | .012 |   |  |
| 7.0         | .090                  | .045 | .013 | .088 | .044 | .012 | .083                            | .042 | .012 | .079 | .040 | .012 | .075 | .039 | .011 |   |  |
| 8.0         | .086                  | .042 | .012 | .084 | .041 | .012 | .080                            | .040 | .011 | .076 | .039 | .011 | .073 | .037 | .011 |   |  |
| 9.0         | .082                  | .040 | .011 | .080 | .039 | .011 | .077                            | .038 | .011 | .073 | .037 | .011 | .070 | .036 | .010 |   |  |
| 10.0        | .079                  | .038 | .010 | .077 | .037 | .010 | .074                            | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .168                  | .158 | .148 | .144 | .135 | .128 | .098                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 |   |
| 2.0         | .150                  | .133 | .119 | .128 | .114 | .102 | .088                                       | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 |   |
| 3.0         | .134                  | .113 | .096 | .115 | .098 | .084 | .079                                       | .068 | .059 | .046 | .040 | .035 | .015 | .013 | .011 |   |
| 4.0         | .122                  | .098 | .080 | .104 | .085 | .069 | .072                                       | .059 | .049 | .042 | .034 | .029 | .013 | .011 | .009 |   |
| 5.0         | .111                  | .085 | .067 | .095 | .074 | .058 | .066                                       | .052 | .041 | .038 | .030 | .024 | .012 | .010 | .008 |   |
| 6.0         | .102                  | .075 | .056 | .088 | .065 | .049 | .060                                       | .046 | .035 | .035 | .027 | .021 | .011 | .009 | .007 |   |
| 7.0         | .094                  | .067 | .048 | .081 | .058 | .042 | .056                                       | .041 | .030 | .033 | .024 | .018 | .011 | .008 | .006 |   |
| 8.0         | .088                  | .060 | .041 | .076 | .052 | .036 | .052                                       | .037 | .026 | .030 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0         | .082                  | .055 | .036 | .071 | .047 | .031 | .049                                       | .033 | .022 | .029 | .020 | .013 | .009 | .006 | .004 |   |
| 10.0        | .077                  | .050 | .032 | .067 | .043 | .028 | .046                                       | .030 | .020 | .027 | .018 | .012 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

## UGR(Unified Glare Rating) Table

|   |                  |     |     |     |                                      |                |     |     |     |     |
|---|------------------|-----|-----|-----|--------------------------------------|----------------|-----|-----|-----|-----|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                  |     |     |     |                                      |                |     |     |     |     |
| NAME: ML26-PS40-12W-940-30  |                  |     |     |     | TYPE:Low Voltage Track System Module |                |     |     |     |     |
| SPEC.:4000K   |                  |     |     |     | DIM.: $\phi$ 40mm*H400mm             |                |     |     |     |     |
| 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   | 6.8              | 7.4 | 7.0 | 7.5 | 7.7                                  | 3.6            | 4.2 | 3.8 | 4.4 | 4.5 |
| 3H  | 6.6              | 7.2 | 6.9 | 7.4 | 7.6                                  | 3.5            | 4.1 | 3.7 | 4.2 | 4.4 |
| 4H  | 6.6              | 7.1 | 6.8 | 7.3 | 7.5                                  | 3.4            | 4.0 | 3.7 | 4.2 | 4.4 |
| 6H  | 6.5              | 7.0 | 6.8 | 7.2 | 7.5                                  | 3.3            | 3.8 | 3.6 | 4.1 | 4.3 |
| 8H  | 6.4              | 6.9 | 6.7 | 7.2 | 7.4                                  | 3.3            | 3.8 | 3.6 | 4.0 | 4.3 |
| 12H   | 6.4              | 6.9 | 6.7 | 7.1 | 7.4                                  | 3.2            | 3.7 | 3.5 | 4.0 | 4.2 |
| 4H 2H   | 6.6              | 7.1 | 6.8 | 7.3 | 7.5                                  | 3.4            | 4.0 | 3.7 | 4.2 | 4.4 |
| 3H  | 6.4              | 6.9 | 6.7 | 7.1 | 7.4                                  | 3.2            | 3.7 | 3.5 | 4.0 | 4.2 |
| 4H  | 6.3              | 6.7 | 6.6 | 7.0 | 7.3                                  | 3.1            | 3.6 | 3.5 | 3.9 | 4.2 |
| 6H  | 6.2              | 6.6 | 6.6 | 6.9 | 7.3                                  | 3.0            | 3.4 | 3.4 | 3.8 | 4.1 |
| 8H  | 6.1              | 6.5 | 6.5 | 6.9 | 7.2                                  | 3.0            | 3.4 | 3.4 | 3.7 | 4.1 |
| 12H   | 6.1              | 6.4 | 6.5 | 6.8 | 7.2                                  | 3.0            | 3.3 | 3.4 | 3.7 | 4.0 |
| 8H 4H   | 6.1              | 6.5 | 6.5 | 6.9 | 7.2                                  | 3.0            | 3.4 | 3.4 | 3.7 | 4.1 |
| 6H  | 6.0              | 6.3 | 6.4 | 6.7 | 7.1                                  | 2.9            | 3.2 | 3.3 | 3.6 | 4.0 |
| 8H  | 6.0              | 6.2 | 6.4 | 6.7 | 7.1                                  | 2.8            | 3.1 | 3.3 | 3.5 | 4.0 |
| 12H   | 5.9              | 6.1 | 6.4 | 6.6 | 7.0                                  | 2.8            | 3.0 | 3.2 | 3.5 | 3.9 |
| 12H 4H  | 6.1              | 6.4 | 6.5 | 6.8 | 7.2                                  | 2.9            | 3.3 | 3.3 | 3.6 | 4.0 |
| 6H  | 6.0              | 6.2 | 6.4 | 6.6 | 7.1                                  | 2.8            | 3.1 | 3.3 | 3.5 | 3.9 |
| 8H  | 5.9              | 6.1 | 6.4 | 6.6 | 7.0                                  | 2.8            | 3.0 | 3.2 | 3.4 | 3.9 |
| Variations with the observer position at spacings:                        |                  |     |     |     |                                      |                |     |     |     |     |
| S = 1.0H  | + 4.7 / -12.7    |     |     |     |                                      | + 4.3 / -11.1  |     |     |     |     |
| 1.5H  | + 7.2 / -11.2    |     |     |     |                                      | + 6.7 / - 8.6  |     |     |     |     |
| 2.0H  | + 6.8 / - 7.3    |     |     |     |                                      | + 4.8 / - 5.4  |     |     |     |     |

CIE Pub.117, 869.4 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -0.5$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| 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  | 86  | 82        | 91  | 86  | 82  | 90  | 85            | 82  | 79     |
| 0.80                             | 98  | 93  | 90        | 98  | 93  | 90  | 96  | 92            | 89  | 86     |
| 1.00                             | 102   | 97  | 94        | 101 | 97  | 94  | 100 | 96            | 93  | 89     |
| 1.25                             | 105   | 101 | 98        | 104 | 100 | 97  | 103 | 99            | 97  | 93     |
| 1.50                             | 108   | 104 | 101       | 107 | 103 | 100 | 105 | 101           | 99  | 95     |
| 2.00                             | 110   | 106 | 103       | 109 | 105 | 103 | 106 | 103           | 101 | 96     |
| 2.50                             | 111   | 108 | 105       | 110 | 107 | 104 | 107 | 104           | 103 | 97     |
| 3.00                             | 113   | 110 | 107       | 111 | 108 | 106 | 108 | 106           | 104 | 98     |
| 4.00                             | 115   | 112 | 110       | 113 | 111 | 109 | 109 | 107           | 106 | 99     |
| 5.00                             | 116   | 114 | 112       | 114 | 112 | 111 | 110 | 109           | 108 | 100    |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

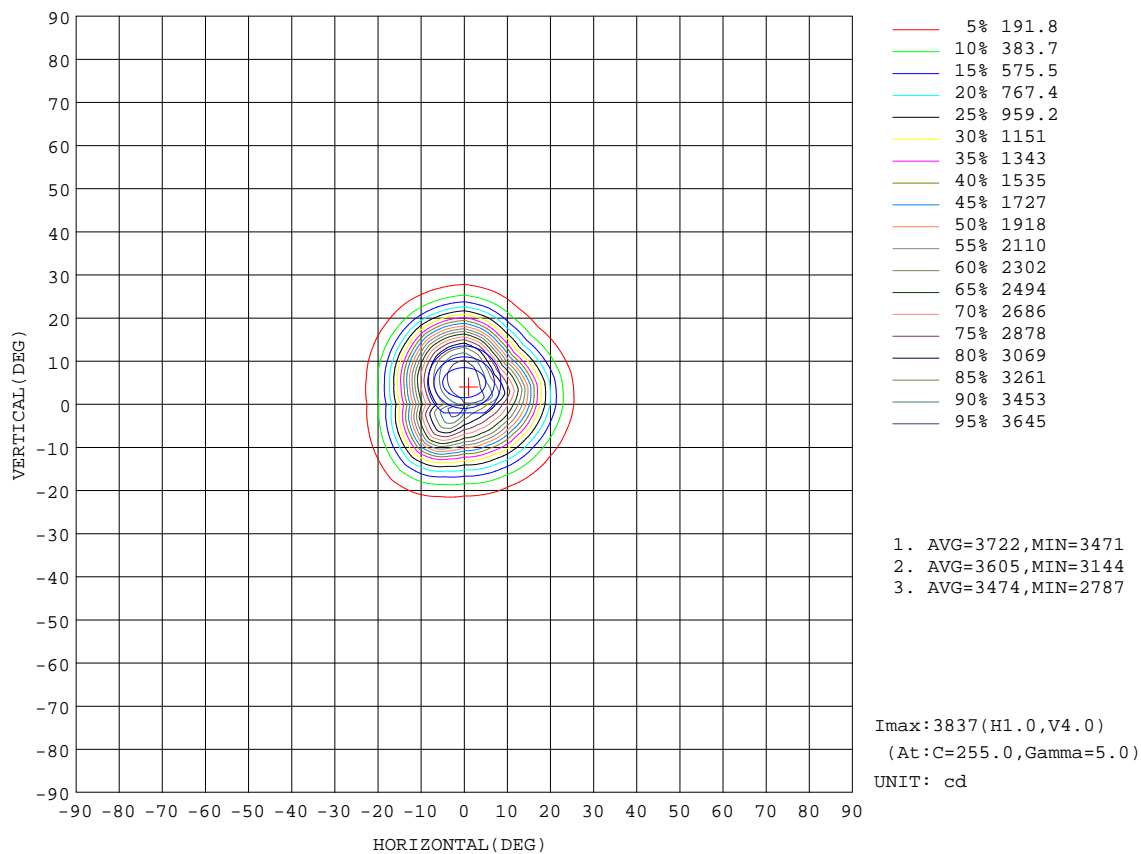
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-05-15

$\gamma$  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:



ISOCANDELA DIAGRAM

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



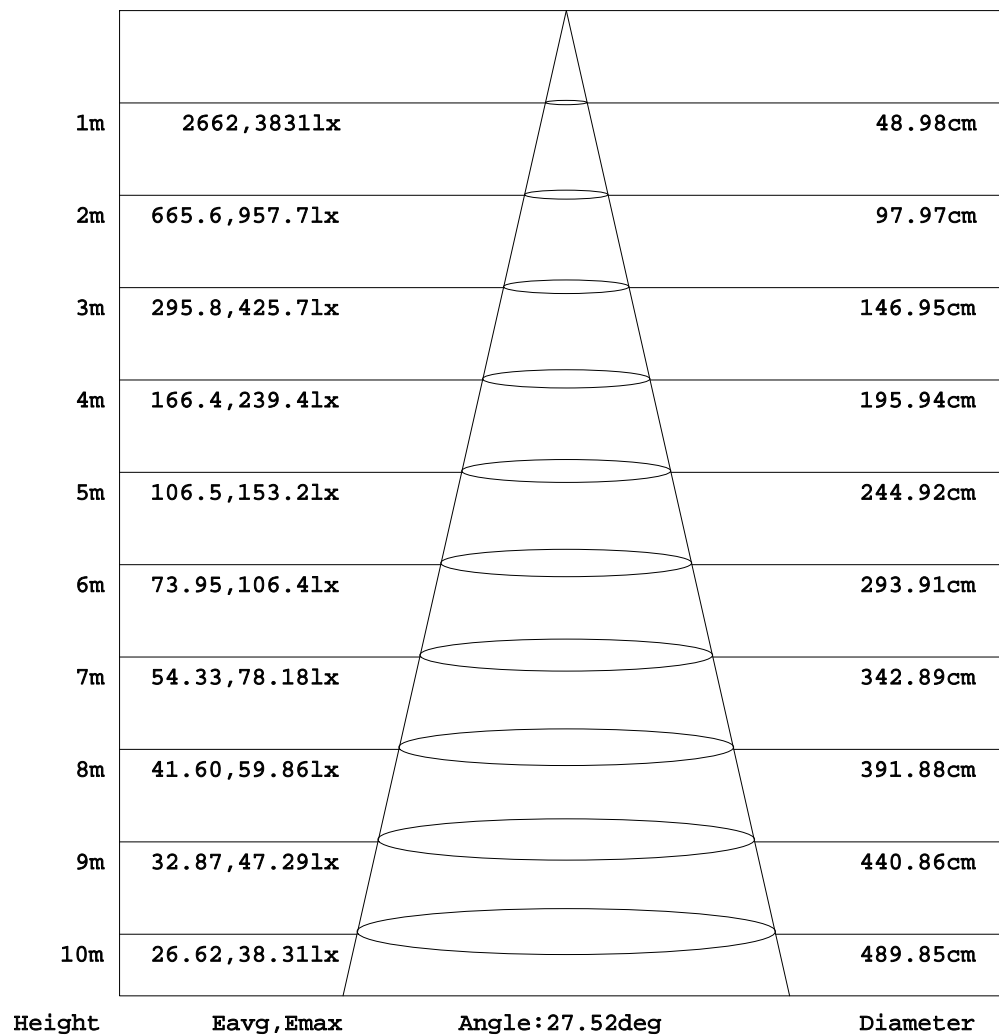
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

**AAI Figure**

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

Flux out:519.9 lm



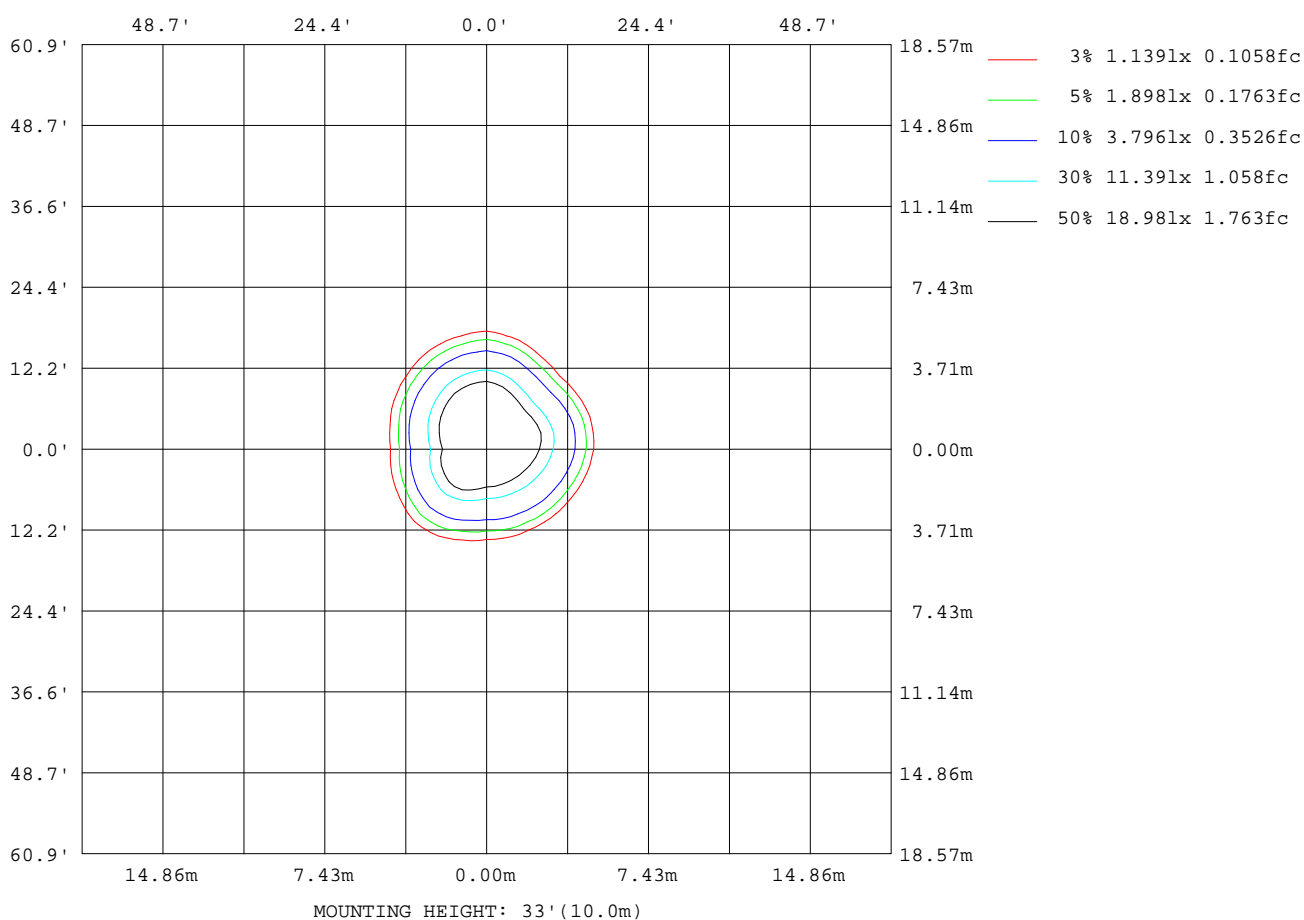
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

ISOLUX DIAGRAM

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

### LED Avg.L Report

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.2472A P:11.87W PF:1.000 Freq:0Hz Lamp Flux:869.416x1 lm |                                      |  |
| NAME: ML26-PS40-12W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H400mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

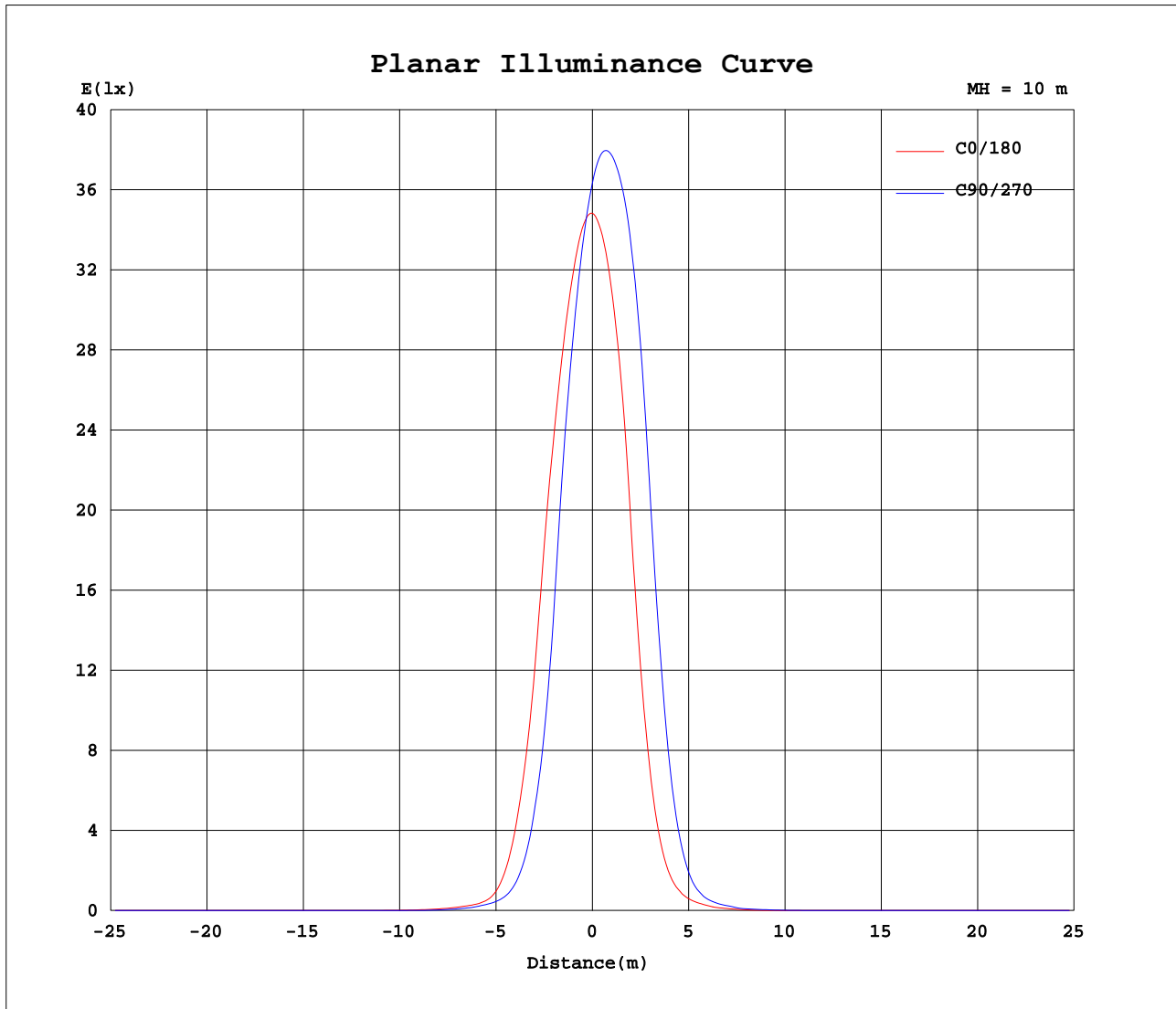
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 278   |
| L_0~180 (75) av  | 155   |
| L_0~180 (85) av  | 283   |
| L_90~270 (65) av | 271   |
| L_90~270 (75) av | 128   |
| L_90~270 (85) av | 261   |
| L_45 (65) av     | 243   |
| L_45 (75) av     | 130   |
| L_45 (85) av     | 258   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-15

$\gamma$  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:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2020-05-15

$\gamma$  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:

```