

Low Voltage Track System Module ML26-RS40-24W-930-18



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0%  |                          |
| Luminaire Power:    | 24.16 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 Long  
Test Date: 2019-12-04

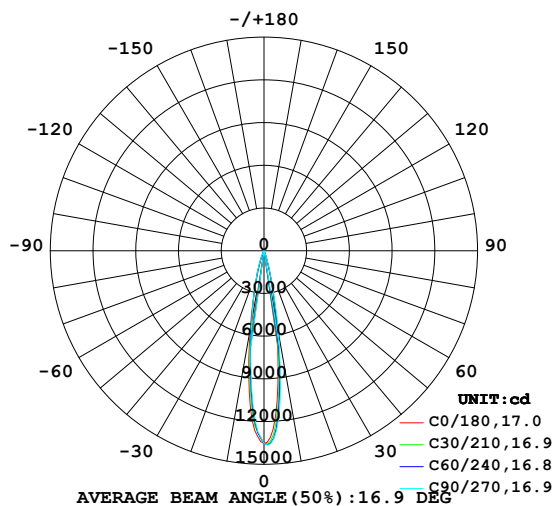
γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 56%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

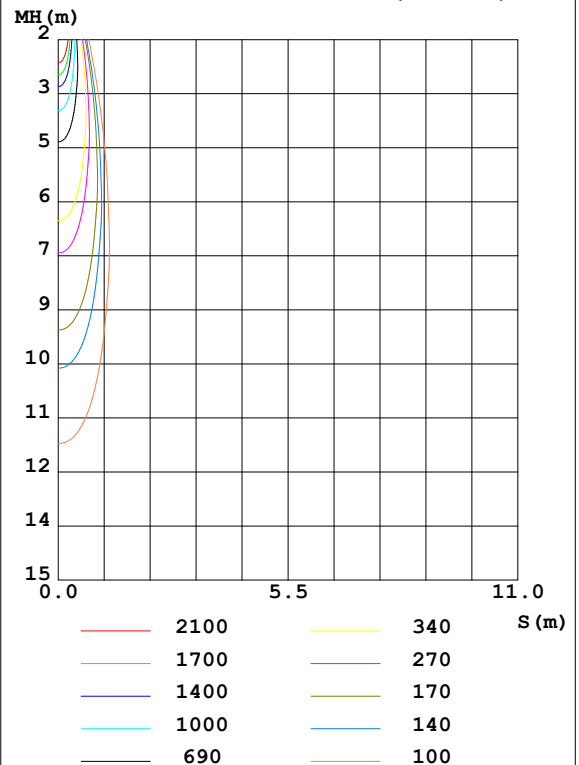
|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                                      |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module |  |
| SPEC.:3000K   | DIM.: $\phi$ 40mm*H105mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

| DATA OF LAMP      |               | PHOTOMETRIC DATA Eff: 64.04 lm/W |        |                         |          |
|-------------------|---------------|----------------------------------|--------|-------------------------|----------|
| MODEL             | CITIZEN-3000K | I <sub>max</sub> (cd)            | 13677  | S/MH (C0/180)           | 0.31     |
| NOMINAL POWER (W) | 24            | LOR (%)                          | 100.0  | S/MH (C90/270)          | 0.27     |
| RATED VOLTAGE (V) | 48            | TOTAL FLUX (lm)                  | 1547.2 | $\eta$ UP,DN (C0-180)   | 0.0,50.3 |
| NOMINAL FLUX (lm) | 1547.24       | CIE CLASS                        | DIRECT | $\eta$ UP,DN (C180-360) | 0.0,49.7 |
| 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 Long  
Test Date:2019-12-04

$\gamma$  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:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                       | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10       | 501.5                    | 541.5  | 585.7  | 611.5  | 556.4  | 512.5  | 497.0  | 475.3  | 0- 10    | 843.7       | 843.7        | 54.5,54.5 |
| 20       | 47.98                    | 39.92  | 49.46  | 64.29  | 65.40  | 74.93  | 90.68  | 62.84  | 10- 20   | 581.2       | 1425         | 92.1,92.1 |
| 30       | 5.726                    | 5.676  | 5.792  | 6.161  | 5.838  | 6.270  | 7.844  | 6.185  | 20- 30   | 98.63       | 1524         | 98.5,98.5 |
| 40       | 1.071                    | 1.034  | 1.070  | 1.153  | 1.061  | 1.152  | 1.510  | 1.173  | 30- 40   | 17.41       | 1541         | 99.6,99.6 |
| 50       | 0.2298                   | 0.2268 | 0.2197 | 0.2274 | 0.2477 | 0.2983 | 0.3256 | 0.2633 | 40- 50   | 4.435       | 1545         | 99.9,99.9 |
| 60       | 0.0609                   | 0.0591 | 0.0619 | 0.0624 | 0.0674 | 0.0819 | 0.0879 | 0.0707 | 50- 60   | 1.300       | 1547         | 100,100   |
| 70       | 0.0192                   | 0.0159 | 0.0188 | 0.0181 | 0.0187 | 0.0244 | 0.0249 | 0.0212 | 60- 70   | 0.3813      | 1547         | 100,100   |
| 80       | 0.0082                   | 0.0063 | 0.0085 | 0.0068 | 0.0062 | 0.0085 | 0.0068 | 0.0077 | 70- 80   | 0.1316      | 1547         | 100,100   |
| 90       | 0.0050                   | 0.0048 | 0.0052 | 0.0053 | 0.0032 | 0.0033 | 0.0037 | 0.0038 | 80- 90   | 0.0568      | 1547         | 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:×10cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 1543.9 lm

%lum = 99.8%

%lamp = 99.8%

Conical surface Flux(120deg): 1546.7 lm

%lum = 100.0%

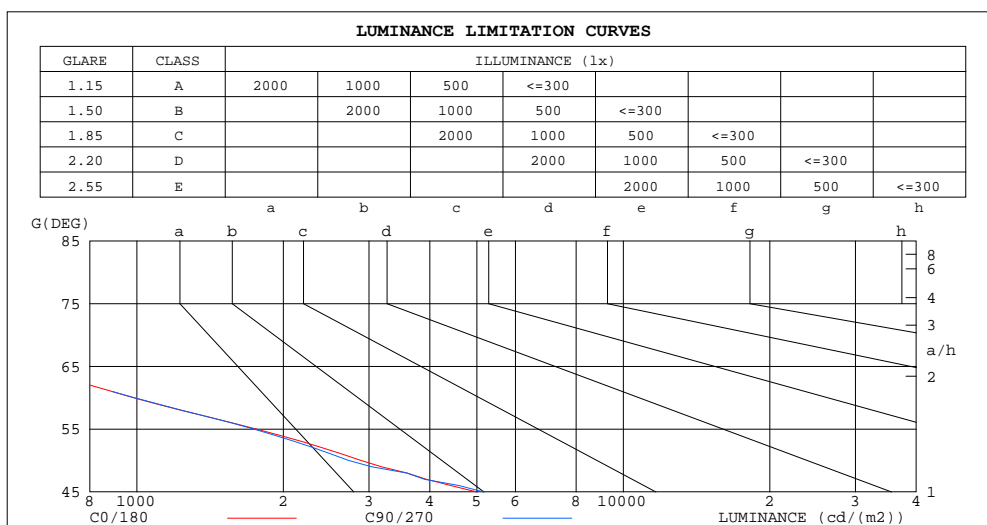
%lamp = 100.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |  |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module                 |  |
| SPEC.:3000K   | DIM.: $\phi 40\text{mm} \times \text{H}105\text{mm}$ |  |
| MFR.: NEKO LIGHTING AG  |  |  |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 560    | 579     |
| 80                | 381    | 391     |
| 75                | 377    | 377     |
| 70                | 453    | 438     |
| 65                | 615    | 606     |
| 60                | 983    | 987     |
| 55                | 1760   | 1739    |
| 50                | 2886   | 2724    |
| 45                | 4995   | 5156    |

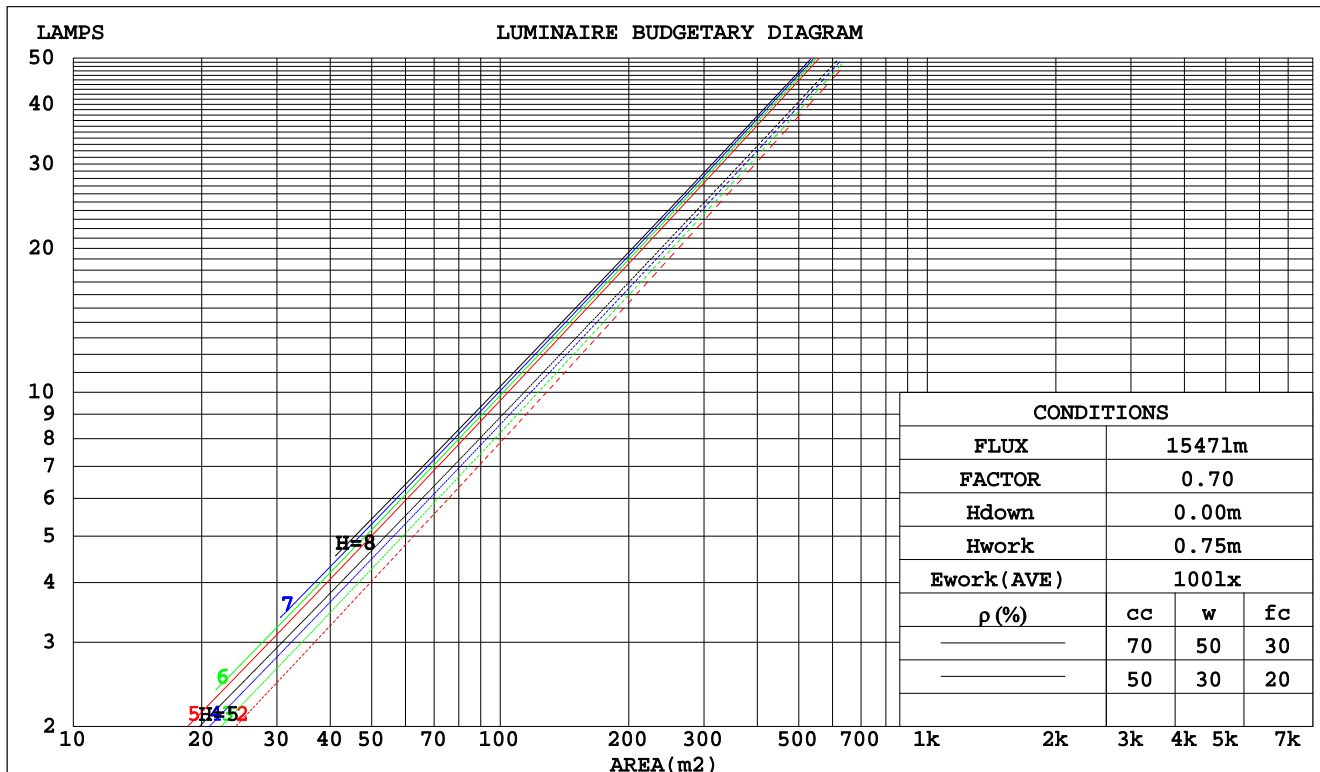
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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:56%  
Test Distance:5.850m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |   |  |
|---|---|--|
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| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module          |  |
| SPEC.:3000K   | DIM.: $\phi 40\text{mm} \times H105\text{mm}$ |  |
| 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  | 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  | 1.14                            | 1.12 | 1.11 | 1.12 | 1.10 | 1.09 | 1.08 | 1.07 | 1.06 | 1.04 | 1.03 | 1.02 | 1.01 | 1.00 | .00  | .98  |
| 2.0  | 1.09                            | 1.07 | 1.05 | 1.08 | 1.06 | 1.04 | 1.05 | 1.03 | 1.01 | 1.02 | 1.01 | .99  | .99  | .98  | .97  | .96  |
| 3.0  | 1.06                            | 1.03 | 1.00 | 1.05 | 1.02 | .00  | 1.02 | .00  | .98  | .00  | .98  | .97  | .98  | .96  | .95  | .94  |
| 4.0  | 1.03                            | .99  | .97  | 1.02 | .99  | .96  | .00  | .97  | .95  | .98  | .96  | .94  | .96  | .95  | .93  | .92  |
| 5.0  | .00                             | .97  | .94  | .99  | .96  | .94  | .98  | .95  | .93  | .96  | .94  | .92  | .95  | .93  | .91  | .90  |
| 6.0  | .98                             | .94  | .92  | .97  | .94  | .91  | .96  | .93  | .91  | .94  | .92  | .90  | .93  | .91  | .90  | .89  |
| 7.0  | .95                             | .92  | .90  | .95  | .92  | .89  | .94  | .91  | .89  | .93  | .90  | .89  | .92  | .90  | .88  | .87  |
| 8.0  | .93                             | .90  | .88  | .93  | .90  | .88  | .92  | .89  | .87  | .91  | .89  | .87  | .91  | .88  | .87  | .86  |
| 9.0  | .92                             | .88  | .86  | .91  | .88  | .86  | .90  | .88  | .86  | .90  | .87  | .85  | .89  | .87  | .85  | .84  |
| 10.0 | .90                             | .87  | .85  | .90  | .87  | .84  | .89  | .86  | .84  | .88  | .86  | .84  | .88  | .86  | .84  | .83  |



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$\gamma$  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:

## WEC AND CCEC

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                                      |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module |  |
| SPEC.:3000K   | DIM.: $\phi$ 40mm*H105mm             |  |
| 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         | .120                  | .068 | .022 | .113 | .065 | .021 | .101                            | .058 | .018 | .090 | .052 | .017 | .079 | .046 | .015 |   |  |
| 2.0         | .109                  | .060 | .018 | .104 | .057 | .018 | .094                            | .052 | .016 | .085 | .047 | .015 | .076 | .043 | .014 |   |  |
| 3.0         | .100                  | .053 | .016 | .096 | .051 | .015 | .088                            | .048 | .014 | .080 | .044 | .013 | .073 | .040 | .012 |   |  |
| 4.0         | .093                  | .048 | .014 | .089 | .047 | .014 | .082                            | .044 | .013 | .076 | .041 | .012 | .070 | .038 | .012 |   |  |
| 5.0         | .087                  | .044 | .013 | .084 | .043 | .013 | .078                            | .041 | .012 | .072 | .038 | .011 | .067 | .036 | .011 |   |  |
| 6.0         | .081                  | .041 | .012 | .079 | .040 | .011 | .074                            | .038 | .011 | .069 | .036 | .011 | .065 | .034 | .010 |   |  |
| 7.0         | .077                  | .038 | .011 | .074 | .037 | .011 | .070                            | .035 | .010 | .066 | .034 | .010 | .062 | .032 | .010 |   |  |
| 8.0         | .073                  | .035 | .010 | .071 | .035 | .010 | .067                            | .033 | .010 | .064 | .032 | .009 | .060 | .031 | .009 |   |  |
| 9.0         | .069                  | .033 | .009 | .067 | .033 | .009 | .064                            | .032 | .009 | .061 | .031 | .009 | .058 | .030 | .009 |   |  |
| 10.0        | .066                  | .032 | .009 | .064 | .031 | .009 | .061                            | .030 | .008 | .059 | .029 | .008 | .056 | .028 | .008 |   |  |

| $\rho_{cc}$ | 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         | .167                  | .158 | .149 | .143 | .135 | .129 | .098                                       | .093 | .089 | .056 | .054 | .052 | .018 | .017 | .017 |   |
| 2.0         | .148                  | .133 | .120 | .127 | .114 | .104 | .087                                       | .079 | .072 | .050 | .046 | .042 | .016 | .015 | .014 |   |
| 3.0         | .132                  | .113 | .098 | .113 | .098 | .085 | .078                                       | .068 | .060 | .045 | .040 | .035 | .014 | .013 | .012 |   |
| 4.0         | .118                  | .098 | .082 | .102 | .084 | .071 | .070                                       | .059 | .050 | .040 | .034 | .030 | .013 | .011 | .010 |   |
| 5.0         | .107                  | .085 | .069 | .092 | .073 | .060 | .063                                       | .051 | .042 | .037 | .030 | .025 | .012 | .010 | .008 |   |
| 6.0         | .097                  | .075 | .058 | .084 | .065 | .051 | .058                                       | .045 | .036 | .034 | .027 | .021 | .011 | .009 | .007 |   |
| 7.0         | .089                  | .066 | .050 | .077 | .057 | .043 | .053                                       | .040 | .031 | .031 | .024 | .018 | .010 | .008 | .006 |   |
| 8.0         | .082                  | .059 | .043 | .071 | .051 | .038 | .049                                       | .036 | .027 | .029 | .021 | .016 | .009 | .007 | .005 |   |
| 9.0         | .076                  | .053 | .038 | .066 | .046 | .033 | .046                                       | .032 | .023 | .027 | .019 | .014 | .009 | .006 | .005 |   |
| 10.0        | .071                  | .048 | .033 | .061 | .042 | .029 | .043                                       | .029 | .020 | .025 | .017 | .012 | .008 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:

## UGR(Unified Glare Rating) Table

|   |                  |     |     |     |                                      |                |     |     |     |     |
|---|------------------|-----|-----|-----|--------------------------------------|----------------|-----|-----|-----|-----|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                  |     |     |     |                                      |                |     |     |     |     |
| NAME: ML26-RS40-24W-930-18  |                  |     |     |     | TYPE:Low Voltage Track System Module |                |     |     |     |     |
| SPEC.:3000K   |                  |     |     |     | DIM.: $\phi$ 40mm*H105mm             |                |     |     |     |     |
| 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   | 3.0              | 3.5 | 3.2 | 3.7 | 3.8                                  | 3.1            | 3.6 | 3.2 | 3.7 | 3.9 |
| 3H  | 2.9              | 3.4 | 3.1 | 3.6 | 3.8                                  | 2.9            | 3.4 | 3.2 | 3.6 | 3.8 |
| 4H  | 2.8              | 3.3 | 3.1 | 3.5 | 3.7                                  | 2.9            | 3.3 | 3.1 | 3.5 | 3.7 |
| 6H  | 2.8              | 3.2 | 3.0 | 3.4 | 3.7                                  | 2.8            | 3.2 | 3.1 | 3.5 | 3.7 |
| 8H  | 2.7              | 3.2 | 3.0 | 3.4 | 3.6                                  | 2.7            | 3.2 | 3.0 | 3.4 | 3.7 |
| 12H   | 2.7              | 3.1 | 3.0 | 3.4 | 3.6                                  | 2.7            | 3.1 | 3.0 | 3.4 | 3.6 |
| 4H 2H   | 2.8              | 3.3 | 3.1 | 3.5 | 3.7                                  | 2.9            | 3.3 | 3.1 | 3.5 | 3.7 |
| 3H  | 2.7              | 3.1 | 3.0 | 3.4 | 3.6                                  | 2.7            | 3.1 | 3.0 | 3.4 | 3.7 |
| 4H  | 2.6              | 3.0 | 2.9 | 3.3 | 3.6                                  | 2.6            | 3.0 | 3.0 | 3.3 | 3.6 |
| 6H  | 2.5              | 2.9 | 2.9 | 3.2 | 3.5                                  | 2.5            | 2.9 | 2.9 | 3.2 | 3.5 |
| 8H  | 2.5              | 2.8 | 2.8 | 3.1 | 3.5                                  | 2.5            | 2.8 | 2.9 | 3.2 | 3.5 |
| 12H   | 2.4              | 2.7 | 2.8 | 3.1 | 3.5                                  | 2.4            | 2.7 | 2.8 | 3.1 | 3.5 |
| 8H 4H   | 2.4              | 2.8 | 2.8 | 3.1 | 3.5                                  | 2.5            | 2.8 | 2.9 | 3.1 | 3.5 |
| 6H  | 2.3              | 2.6 | 2.8 | 3.0 | 3.4                                  | 2.4            | 2.6 | 2.8 | 3.0 | 3.4 |
| 8H  | 2.3              | 2.5 | 2.7 | 2.9 | 3.4                                  | 2.3            | 2.6 | 2.8 | 3.0 | 3.4 |
| 12H   | 2.2              | 2.4 | 2.7 | 2.9 | 3.4                                  | 2.3            | 2.5 | 2.7 | 2.9 | 3.4 |
| 12H 4H  | 2.4              | 2.7 | 2.8 | 3.1 | 3.4                                  | 2.4            | 2.7 | 2.8 | 3.1 | 3.5 |
| 6H  | 2.3              | 2.5 | 2.7 | 2.9 | 3.4                                  | 2.3            | 2.6 | 2.8 | 3.0 | 3.4 |
| 8H  | 2.2              | 2.4 | 2.7 | 2.9 | 3.3                                  | 2.3            | 2.5 | 2.7 | 2.9 | 3.4 |
| Variations with the observer position at spacings:                        |                  |     |     |     |                                      |                |     |     |     |     |
| S = 1.0H  | + 3.4 / - 8.2    |     |     |     |                                      | + 3.5 / - 8.3  |     |     |     |     |
| 1.5H  | + 5.4 / - 6.3    |     |     |     |                                      | + 5.6 / - 6.3  |     |     |     |     |
| 2.0H  | + 4.8 / - 5.5    |     |     |     |                                      | + 5.1 / - 5.3  |     |     |     |     |

CIE Pub.117, 1547 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 1.5$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:

### UTILIZATION FACTORS TABLE

|   |  |  |
|---|--|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |  |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module                 |  |
| SPEC.:3000K   | DIM.: $\phi 40\text{mm} \times \text{H}105\text{mm}$ |  |
| MFR.: NEKO LIGHTING AG  |  |  |

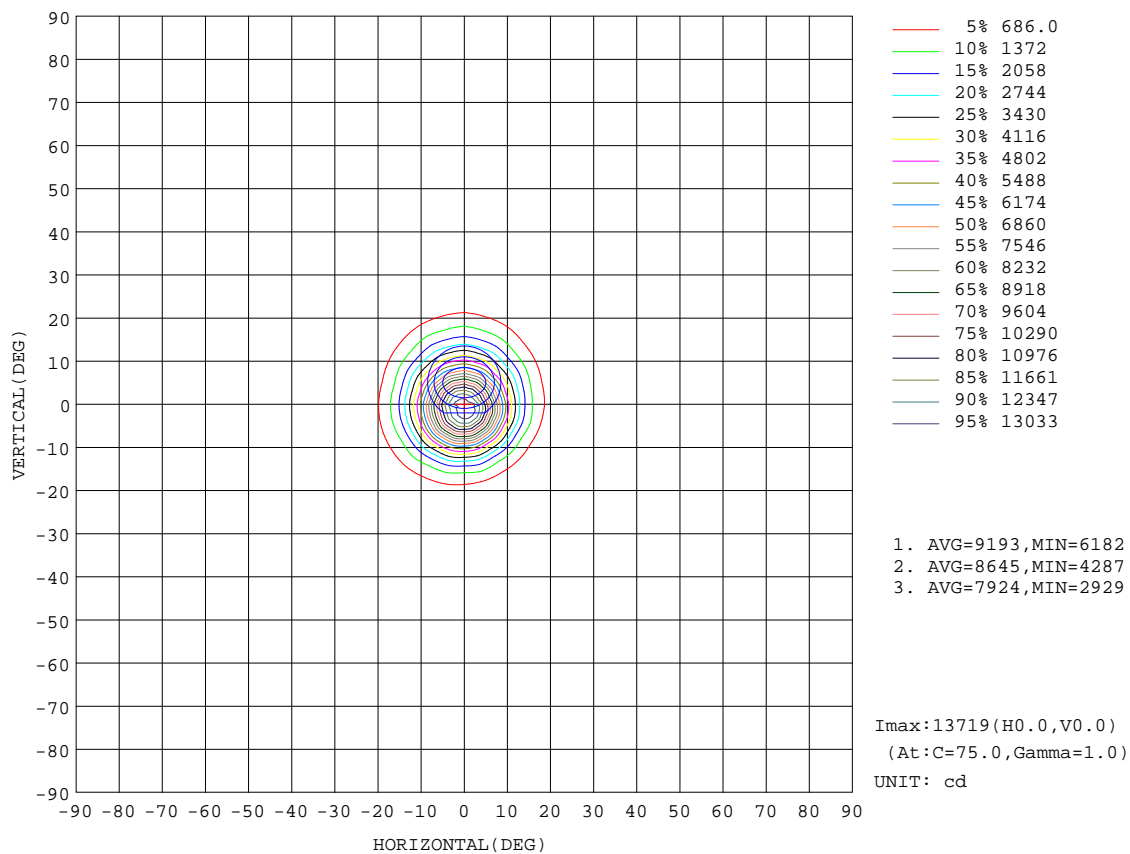
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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 | 104 | 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           | 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:Jason Long  
 Test Date:2019-12-04

$\gamma$  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:

ISOCANDELA DIAGRAM

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                                      |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module |  |
| SPEC.:3000K   | DIM.: $\phi$ 40mm*H105mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



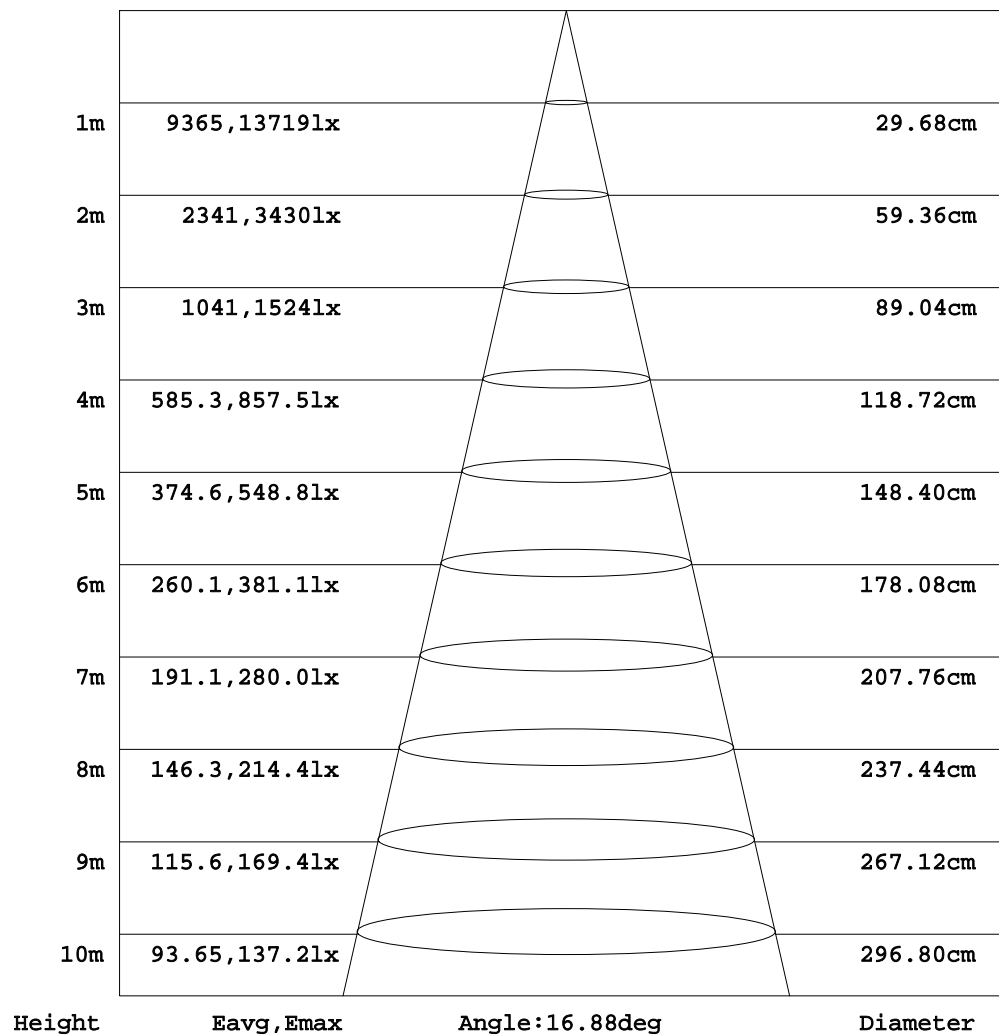
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:

**AAI Figure**

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                                      |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module |  |
| SPEC.:3000K   | DIM.: $\phi$ 40mm*H105mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

Flux out:738.1 lm



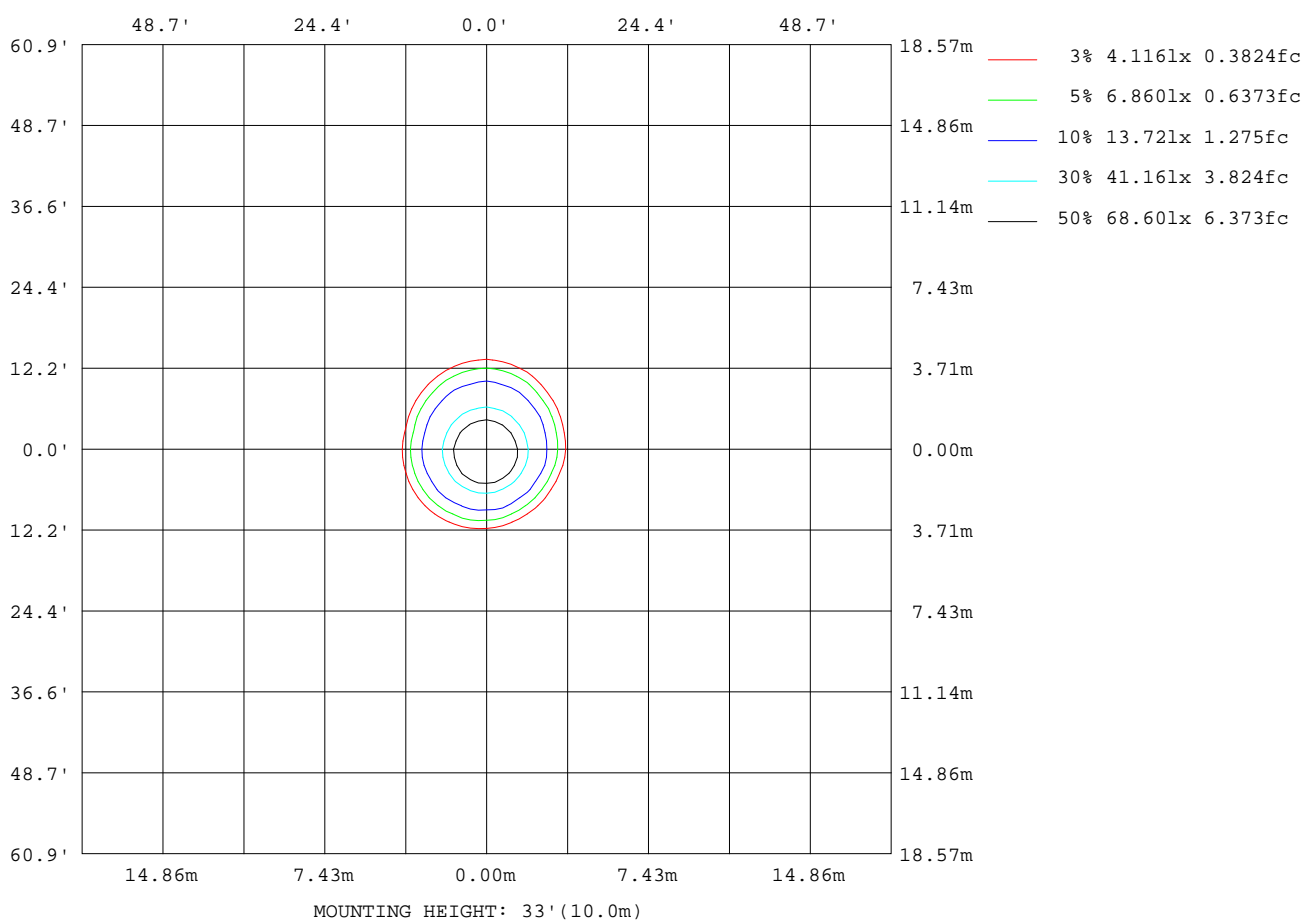
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:

ISOLUX DIAGRAM

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                                      |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module |  |
| SPEC.:3000K   | DIM.: $\phi$ 40mm*H105mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:

### LED Avg.L Report

|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.5033A P:24.16W PF:1.000 Freq:0Hz Lamp Flux:1547.24x1 lm |                                      |  |
| NAME: ML26-RS40-24W-930-18  | TYPE:Low Voltage Track System Module |  |
| SPEC.:3000K   | DIM.: $\phi$ 40mm*H105mm             |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

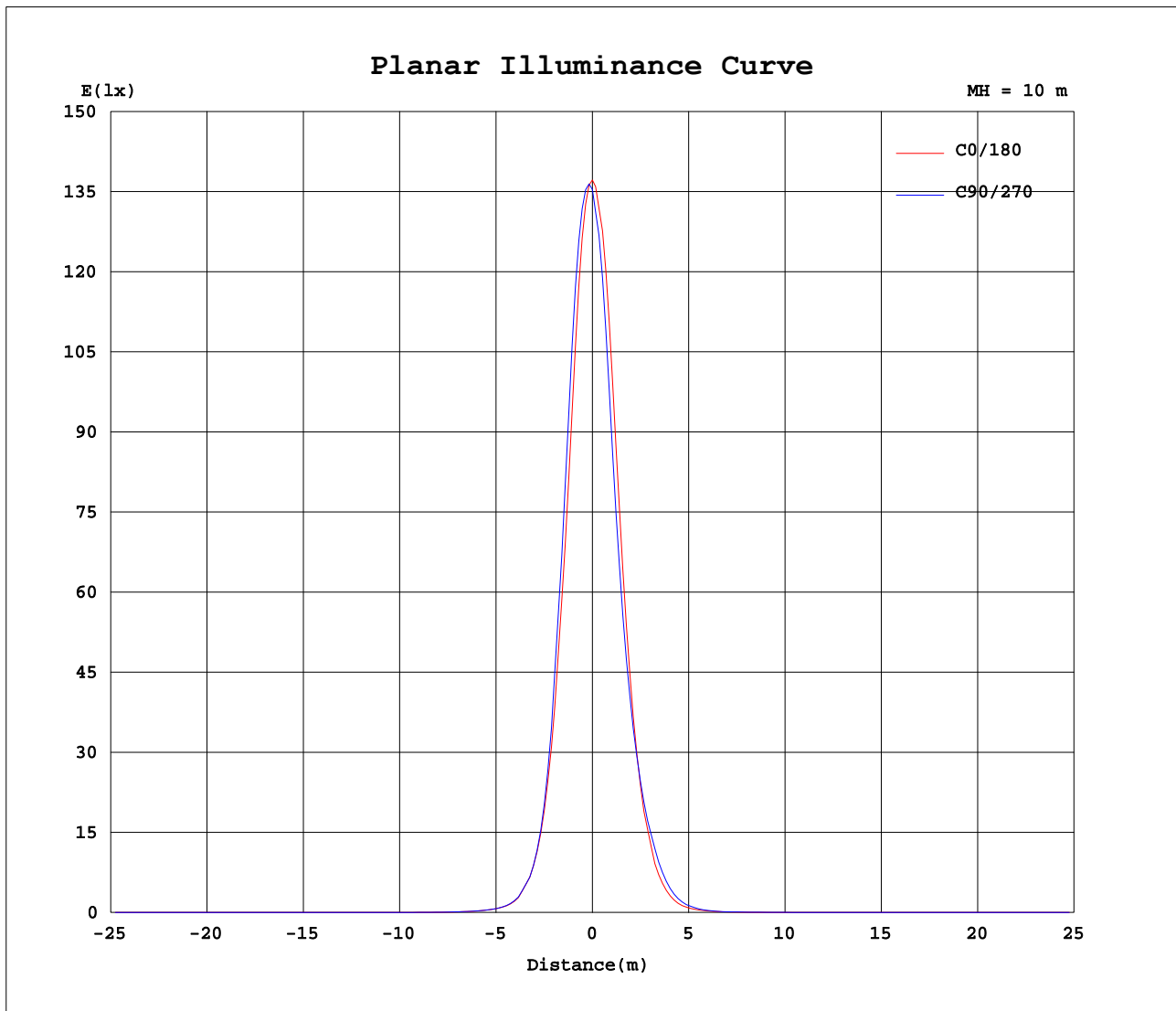
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 628   |
| L_0~180 (75) av  | 345   |
| L_0~180 (85) av  | 433   |
| L_90~270 (65) av | 739   |
| L_90~270 (75) av | 393   |
| L_90~270 (85) av | 449   |
| L_45 (65) av     | 670   |
| L_45 (75) av     | 362   |
| L_45 (85) av     | 446   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason Long  
Test Date:2019-12-04

$\gamma$  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:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason Long  
Test Date: 2019-12-04

$\gamma$  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: