

Low Voltage Track System Module ML26-RS40-24W-940-30



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0%  |                          |
| Luminaire Power:    | 23.74 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: Jason  
Test Date: 2020-05-19

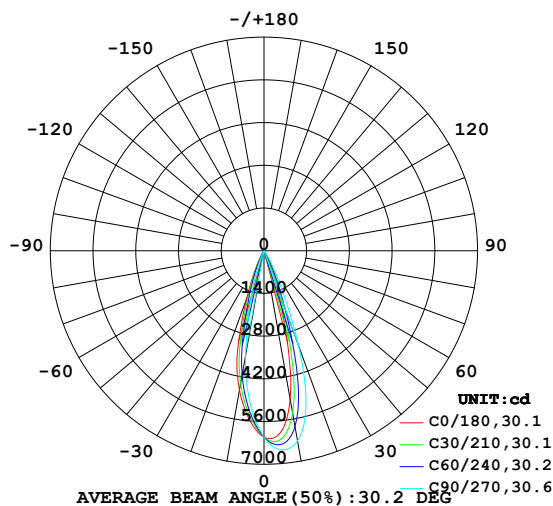
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 5.850m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

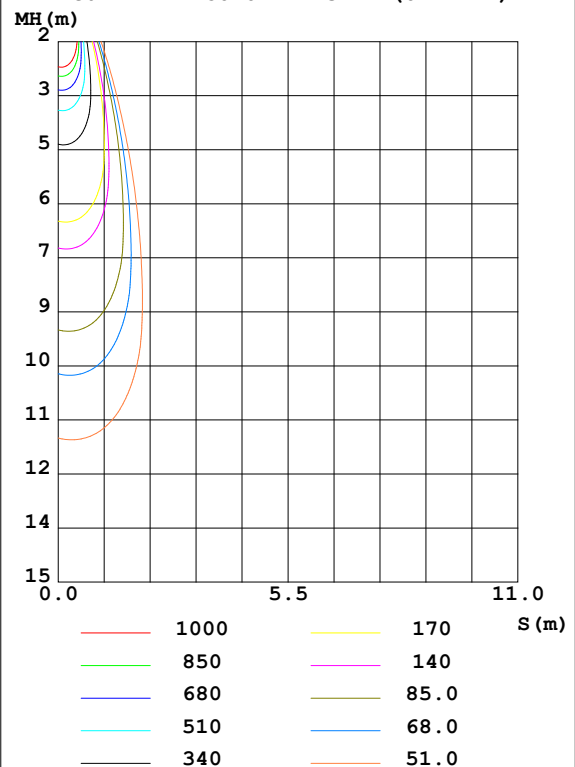
|   |                                      |  |
|---|--------------------------------------|--|
| Test:U:48.00V I:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

| DATA OF LAMP      |               | PHOTOMETRIC DATA Eff: 76.38 lm/W |        |                         |          |
|-------------------|---------------|----------------------------------|--------|-------------------------|----------|
| MODEL             | CITIZEN-4000K | I <sub>max</sub> (cd)            | 6704   | S/MH (C0/180)           | 0.50     |
| NOMINAL POWER (W) | 24            | LOR (%)                          | 100.0  | S/MH (C90/270)          | 0.38     |
| RATED VOLTAGE (V) | 48            | TOTAL FLUX (lm)                  | 1812.8 | $\eta$ UP,DN (C0-180)   | 0.0,64.7 |
| NOMINAL FLUX (lm) | 1812.84       | CIE CLASS                        | DIRECT | $\eta$ UP,DN (C180-360) | 0.0,35.3 |
| LAMPS INSIDE      | 1             | $\eta$ up (%)                    | 0.0    | CIBSE SHR NOM           | 0.50     |
| TEST VOLTAGE (V)  | 48            | $\eta$ down (%)                  | 100.0  | CIBSE SHR MAX           | 0.50     |

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:2020-05-19

$\gamma$  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       | 4941                  | 5659   | 6330   | 6236   | 4639   | 4263   | 3473   | 2805   | 0- 10    | 520.7       | 520.7        | 28.7,28.7  |
| 20       | 1182                  | 1739   | 3314   | 3584   | 1648   | 1278   | 684.7  | 434.8  | 10- 20   | 872.7       | 1393         | 76.9,76.9  |
| 30       | 130.9                 | 208.9  | 456.6  | 644.1  | 224.3  | 167.2  | 83.81  | 56.48  | 20- 30   | 351.3       | 1745         | 96.2,96.2  |
| 40       | 14.29                 | 22.25  | 42.63  | 77.98  | 38.20  | 28.29  | 7.735  | 4.560  | 30- 40   | 58.00       | 1803         | 99.4,99.4  |
| 50       | 1.601                 | 1.899  | 3.317  | 5.933  | 2.777  | 2.401  | 1.257  | 0.9883 | 40- 50   | 8.581       | 1811         | 99.9,99.9  |
| 60       | 0.3017                | 0.3850 | 0.7174 | 1.166  | 0.5655 | 0.5250 | 0.1941 | 0.1713 | 50- 60   | 1.109       | 1812         | 100,100    |
| 70       | 0.0866                | 0.0742 | 0.1348 | 0.1559 | 0.0766 | 0.1005 | 0.0513 | 0.0705 | 60- 70   | 0.2284      | 1813         | 100,100    |
| 80       | 0.0590                | 0.0562 | 0.0685 | 0.0680 | 0.0453 | 0.0502 | 0.0492 | 0.0554 | 70- 80   | 0.0721      | 1813         | 100,100    |
| 90       | 0.0590                | 0.0623 | 0.0599 | 0.0680 | 0.0453 | 0.0462 | 0.0492 | 0.0554 | 80- 90   | 0.0614      | 1813         | 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): 1809.4 lm

%lum = 99.8%

%lamp = 99.8%

Conical surface Flux(120deg): 1812.5 lm

%lum = 100.0%

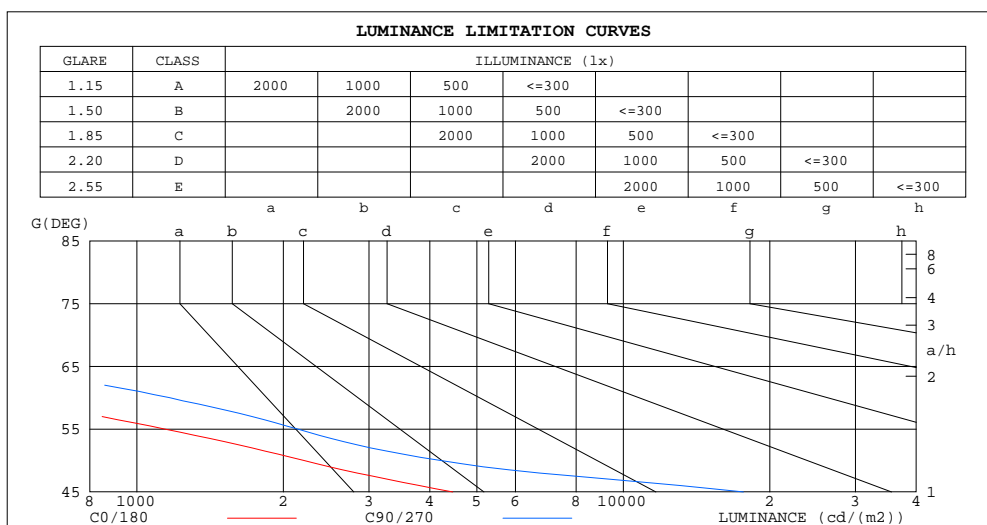
%lamp = 100.0%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |  |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module         |  |
| SPEC.:4000K   | DIM.: $\phi 40\text{mm} \times H70\text{mm}$ |  |
| MFR.: NEKO LIGHTING AG  |  |  |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 579    | 579     |
| 80                | 301    | 321     |
| 75                | 235    | 263     |
| 70                | 224    | 321     |
| 65                | 289    | 549     |
| 60                | 534    | 1168    |
| 55                | 1140   | 2140    |
| 50                | 2203   | 4202    |
| 45                | 4459   | 17655   |

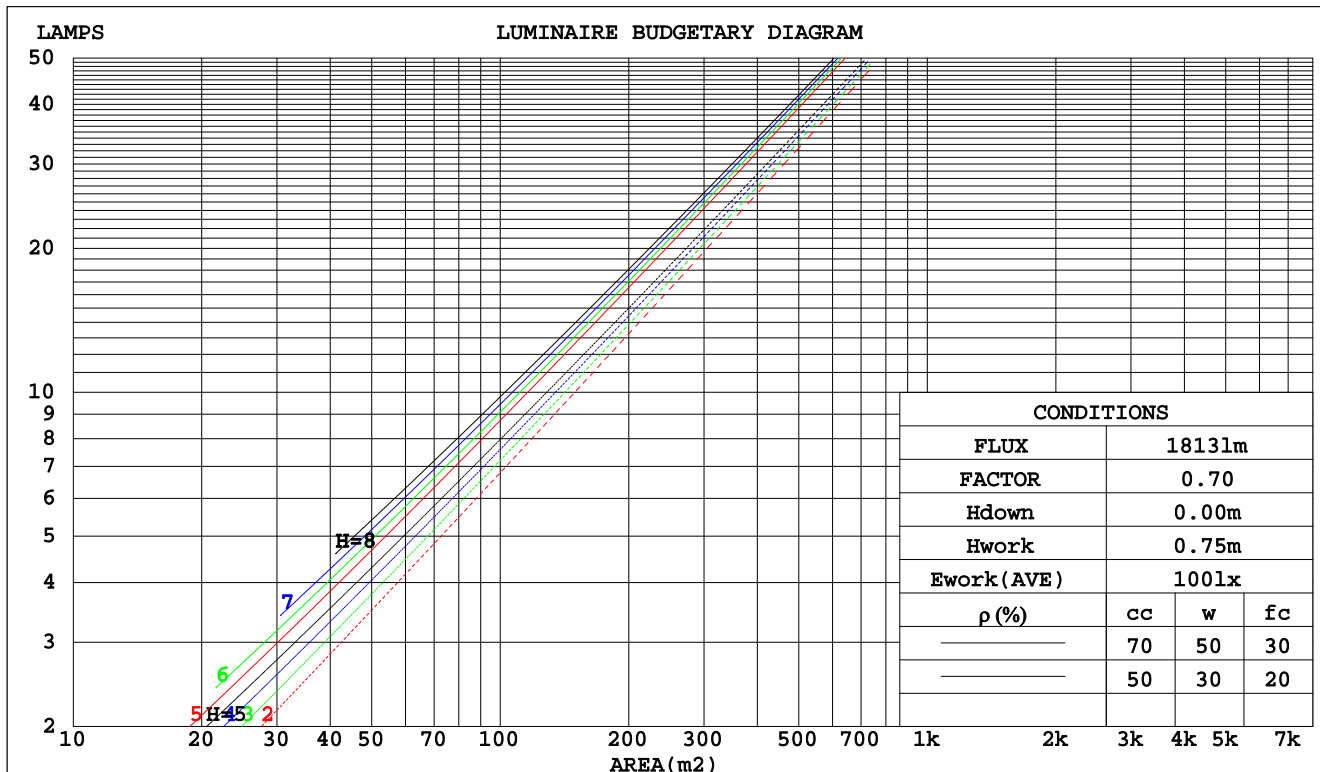
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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |  |  |
|---|--|--|
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| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module         |  |
| SPEC.:4000K   | DIM.: $\phi 40\text{mm} \times H70\text{mm}$ |  |
| 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  | 1.13                            | 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 | 1.01 | 1.03 | 1.00 | .98  | .00  | .98  | .96  | .97  | .96  | .94  | .93  |
| 3.0  | 1.03                            | .99  | .96  | 1.01 | .98  | .95  | .99  | .96  | .94  | .96  | .94  | .92  | .94  | .92  | .91  | .90  |
| 4.0  | .98                             | .94  | .91  | .97  | .93  | .91  | .95  | .92  | .90  | .93  | .91  | .89  | .92  | .89  | .88  | .86  |
| 5.0  | .94                             | .90  | .87  | .94  | .90  | .87  | .92  | .89  | .86  | .90  | .88  | .85  | .89  | .87  | .85  | .83  |
| 6.0  | .91                             | .87  | .84  | .90  | .86  | .83  | .89  | .85  | .83  | .88  | .85  | .82  | .87  | .84  | .82  | .81  |
| 7.0  | .88                             | .83  | .80  | .87  | .83  | .80  | .86  | .82  | .80  | .85  | .82  | .79  | .84  | .81  | .79  | .78  |
| 8.0  | .85                             | .81  | .78  | .84  | .80  | .77  | .83  | .80  | .77  | .82  | .79  | .77  | .82  | .79  | .77  | .76  |
| 9.0  | .82                             | .78  | .75  | .82  | .78  | .75  | .81  | .77  | .75  | .80  | .77  | .74  | .79  | .76  | .74  | .73  |
| 10.0 | .80                             | .75  | .73  | .79  | .75  | .72  | .78  | .75  | .72  | .78  | .74  | .72  | .77  | .74  | .72  | .71  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
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 $\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| 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         | .140                  | .080 | .025 | .133 | .076 | .024 | .121                            | .069 | .022 | .110 | .063 | .020 | .099 | .057 | .019 |   |  |
| 2.0         | .130                  | .071 | .022 | .125 | .069 | .021 | .114                            | .064 | .020 | .105 | .059 | .018 | .096 | .054 | .017 |   |  |
| 3.0         | .122                  | .065 | .019 | .117 | .063 | .019 | .108                            | .059 | .018 | .101 | .055 | .017 | .093 | .052 | .016 |   |  |
| 4.0         | .114                  | .059 | .017 | .111 | .058 | .017 | .103                            | .055 | .016 | .097 | .052 | .016 | .090 | .049 | .015 |   |  |
| 5.0         | .108                  | .055 | .016 | .105 | .054 | .016 | .099                            | .051 | .015 | .093 | .049 | .015 | .087 | .047 | .014 |   |  |
| 6.0         | .103                  | .051 | .015 | .100 | .050 | .015 | .094                            | .048 | .014 | .089 | .046 | .014 | .085 | .045 | .013 |   |  |
| 7.0         | .098                  | .048 | .014 | .095 | .047 | .014 | .091                            | .046 | .013 | .086 | .044 | .013 | .082 | .043 | .013 |   |  |
| 8.0         | .093                  | .046 | .013 | .091 | .045 | .013 | .087                            | .044 | .012 | .083 | .042 | .012 | .080 | .041 | .012 |   |  |
| 9.0         | .089                  | .043 | .012 | .088 | .043 | .012 | .084                            | .042 | .012 | .081 | .040 | .012 | .077 | .039 | .011 |   |  |
| 10.0        | .086                  | .041 | .011 | .084 | .041 | .011 | .081                            | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 |   |  |

| $\rho_{cc}$ | 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         | .169                  | .158 | .148 | .144 | .135 | .127 | .099                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 |   |
| 2.0         | .151                  | .133 | .118 | .129 | .114 | .102 | .088                                       | .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         | .113                  | .086 | .065 | .097 | .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 | .031 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0         | .085                  | .055 | .035 | .074 | .048 | .031 | .051                                       | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0        | .081                  | .051 | .031 | .069 | .044 | .027 | .048                                       | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 |   |

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C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                  |     |     |     |                                      |                |      |      |      |      |
| NAME: ML26-RS40-24W-940-30  |                  |     |     |     | TYPE:Low Voltage Track System Module |                |      |      |      |      |
| SPEC.:4000K   |                  |     |     |     | DIM.: $\phi$ 40mm*H70mm              |                |      |      |      |      |
| 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   | 6.3              | 7.0 | 6.5 | 7.1 | 7.3                                  | 12.2           | 12.9 | 12.4 | 13.0 | 13.2 |
| 3H  | 6.1              | 6.8 | 6.4 | 6.9 | 7.1                                  | 12.0           | 12.7 | 12.3 | 12.9 | 13.0 |
| 4H  | 6.1              | 6.6 | 6.3 | 6.9 | 7.1                                  | 12.0           | 12.6 | 12.2 | 12.8 | 13.0 |
| 6H  | 6.0              | 6.5 | 6.2 | 6.8 | 7.0                                  | 11.9           | 12.4 | 12.2 | 12.7 | 12.9 |
| 8H  | 5.9              | 6.5 | 6.2 | 6.7 | 7.0                                  | 11.8           | 12.4 | 12.1 | 12.6 | 12.9 |
| 12H   | 5.9              | 6.4 | 6.2 | 6.7 | 6.9                                  | 11.8           | 12.3 | 12.1 | 12.6 | 12.8 |
| 4H 2H   | 6.1              | 6.7 | 6.3 | 6.9 | 7.1                                  | 12.0           | 12.6 | 12.2 | 12.8 | 13.0 |
| 3H  | 5.9              | 6.4 | 6.2 | 6.7 | 6.9                                  | 11.8           | 12.3 | 12.1 | 12.6 | 12.8 |
| 4H  | 5.8              | 6.3 | 6.1 | 6.6 | 6.9                                  | 11.7           | 12.2 | 12.0 | 12.5 | 12.8 |
| 6H  | 5.7              | 6.1 | 6.1 | 6.4 | 6.8                                  | 11.6           | 12.0 | 12.0 | 12.3 | 12.7 |
| 8H  | 5.6              | 6.0 | 6.0 | 6.4 | 6.7                                  | 11.5           | 11.9 | 11.9 | 12.3 | 12.6 |
| 12H   | 5.6              | 5.9 | 6.0 | 6.3 | 6.7                                  | 11.5           | 11.8 | 11.9 | 12.2 | 12.6 |
| 8H 4H   | 5.6              | 6.0 | 6.0 | 6.4 | 6.7                                  | 11.5           | 11.9 | 11.9 | 12.3 | 12.6 |
| 6H  | 5.5              | 5.8 | 5.9 | 6.2 | 6.6                                  | 11.4           | 11.7 | 11.8 | 12.1 | 12.5 |
| 8H  | 5.5              | 5.8 | 5.9 | 6.2 | 6.6                                  | 11.4           | 11.7 | 11.8 | 12.1 | 12.5 |
| 12H   | 5.4              | 5.7 | 5.9 | 6.1 | 6.6                                  | 11.3           | 11.5 | 11.8 | 12.0 | 12.5 |
| 12H 4H  | 5.6              | 5.9 | 6.0 | 6.3 | 6.7                                  | 11.5           | 11.8 | 11.9 | 12.2 | 12.6 |
| 6H  | 5.5              | 5.8 | 5.9 | 6.2 | 6.6                                  | 11.4           | 11.6 | 11.8 | 12.1 | 12.5 |
| 8H  | 5.4              | 5.7 | 5.9 | 6.1 | 6.6                                  | 11.3           | 11.5 | 11.8 | 12.0 | 12.5 |
| Variations with the observer position at spacings:                        |                  |     |     |     |                                      |                |      |      |      |      |
| S = 1.0H  | + 3.5 / -15.2    |     |     |     |                                      | + 5.5 / -17.5  |      |      |      |      |
| 1.5H  | + 6.1 / -12.0    |     |     |     |                                      | + 8.0 / -15.5  |      |      |      |      |
| 2.0H  | + 5.5 / - 6.7    |     |     |     |                                      | + 9.8 / -11.3  |      |      |      |      |

CIE Pub.117, 1813 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 2.1$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| 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  | 85  | 82  | 90  | 85            | 82  | 79     |
| 0.80                             | 98  | 93  | 90        | 98  | 93  | 90  | 96  | 92            | 89  | 86     |
| 1.00                             | 102   | 97  | 94        | 101 | 96  | 93  | 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 |     |        |

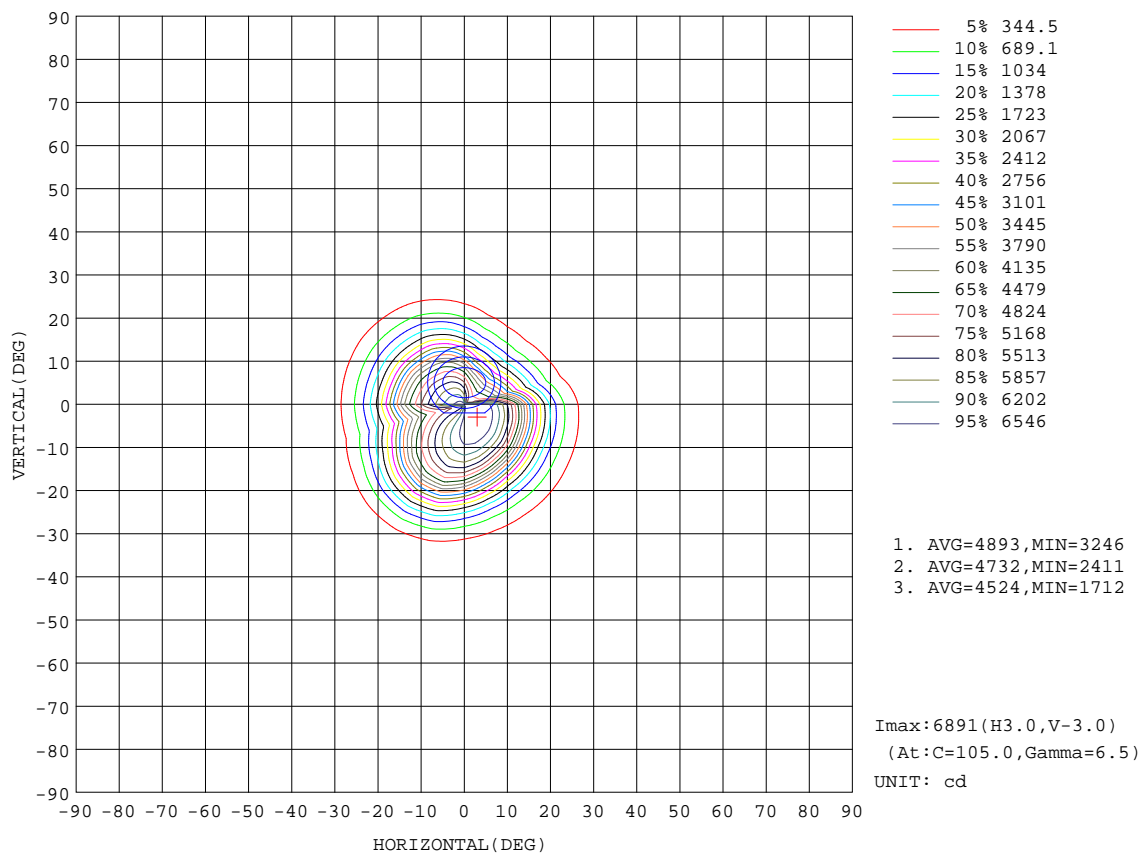
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



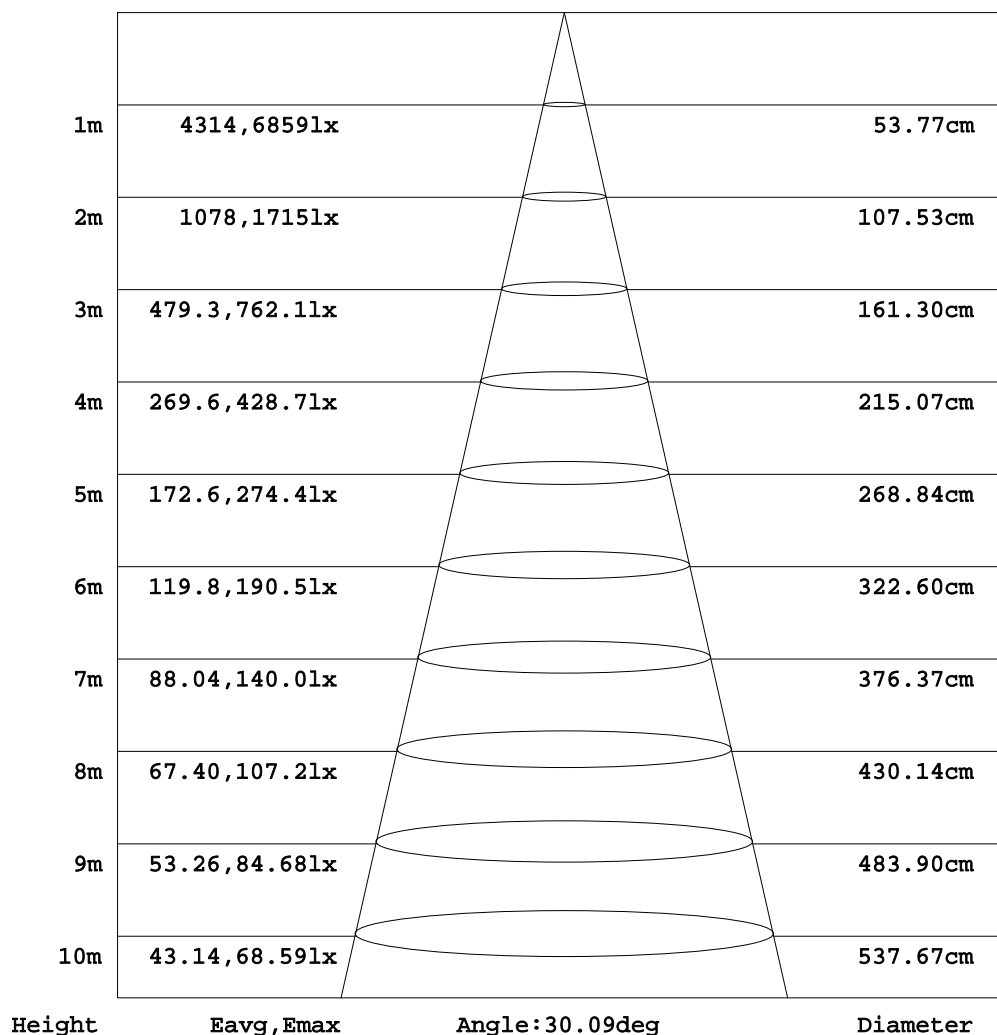
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

Flux out:1042 lm



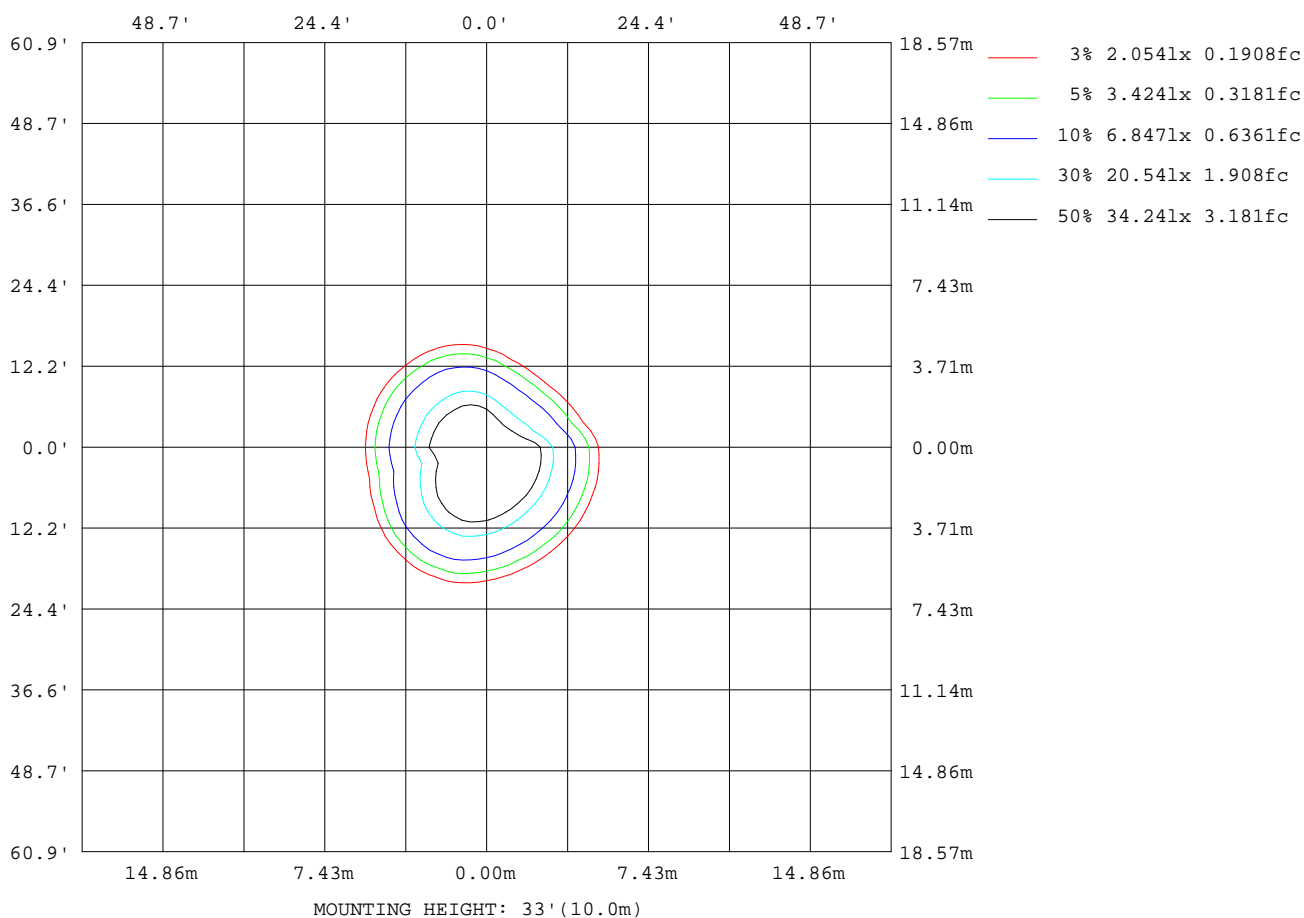
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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:0.4945A P:23.74W PF:1.000 Freq:0Hz Lamp Flux:1812.84x1 lm |                                      |  |
| NAME: ML26-RS40-24W-940-30  | TYPE:Low Voltage Track System Module |  |
| SPEC.:4000K   | DIM.: $\phi$ 40mm*H70mm              |  |
| MFR.: NEKO LIGHTING AG  |                                      |  |

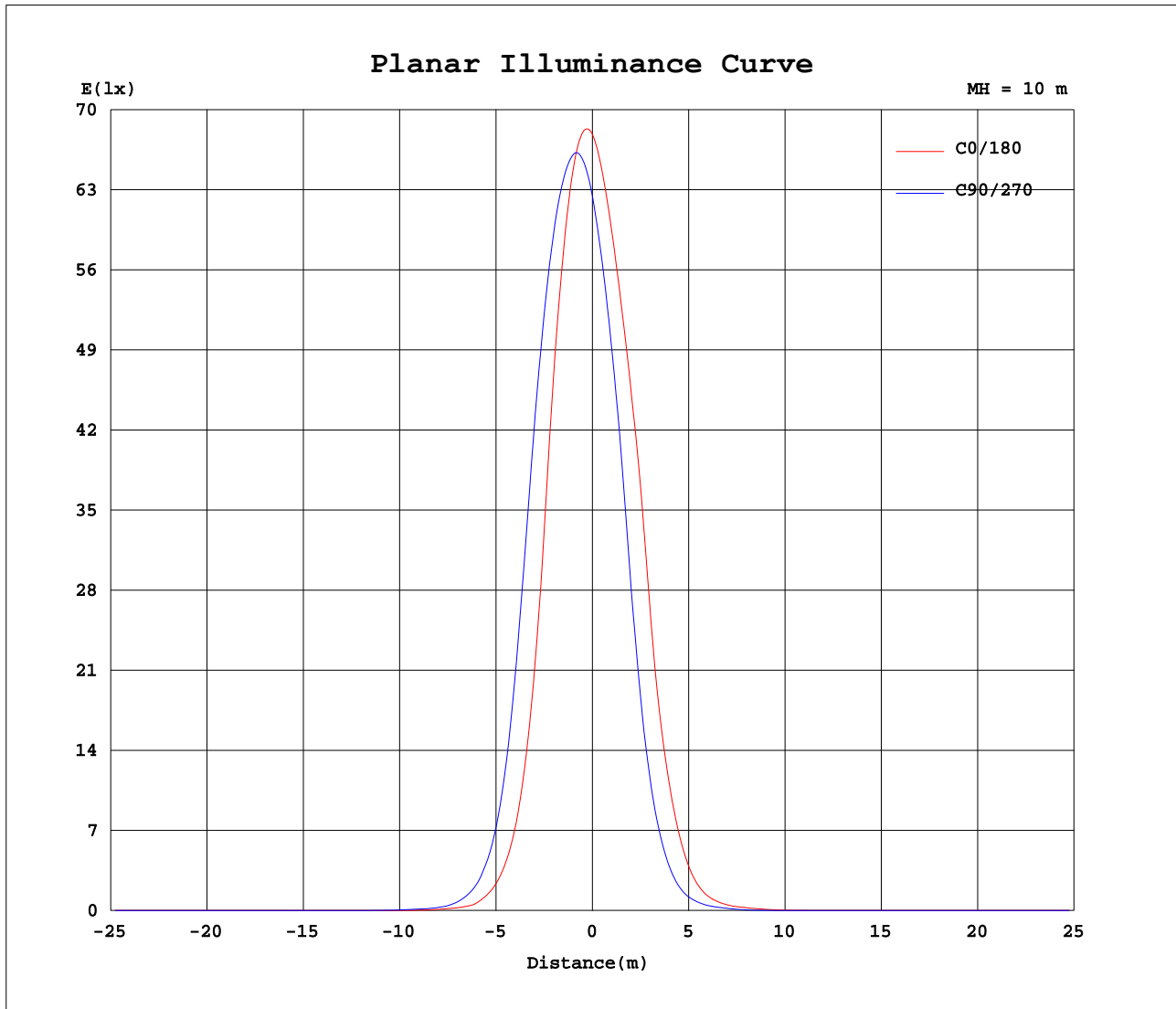
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 308   |
| L_0~180 (75) av  | 176   |
| L_0~180 (85) av  | 467   |
| L_90~270 (65) av | 347   |
| L_90~270 (75) av | 204   |
| L_90~270 (85) av | 508   |
| L_45 (65) av     | 421   |
| L_45 (75) av     | 203   |
| L_45 (85) av     | 520   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-05-19

$\gamma$  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: 2020-05-19

$\gamma$  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:

```