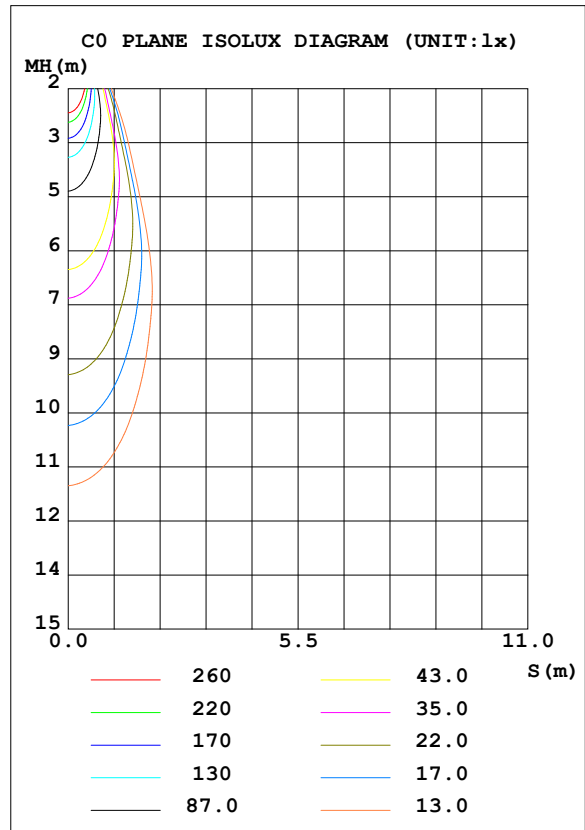
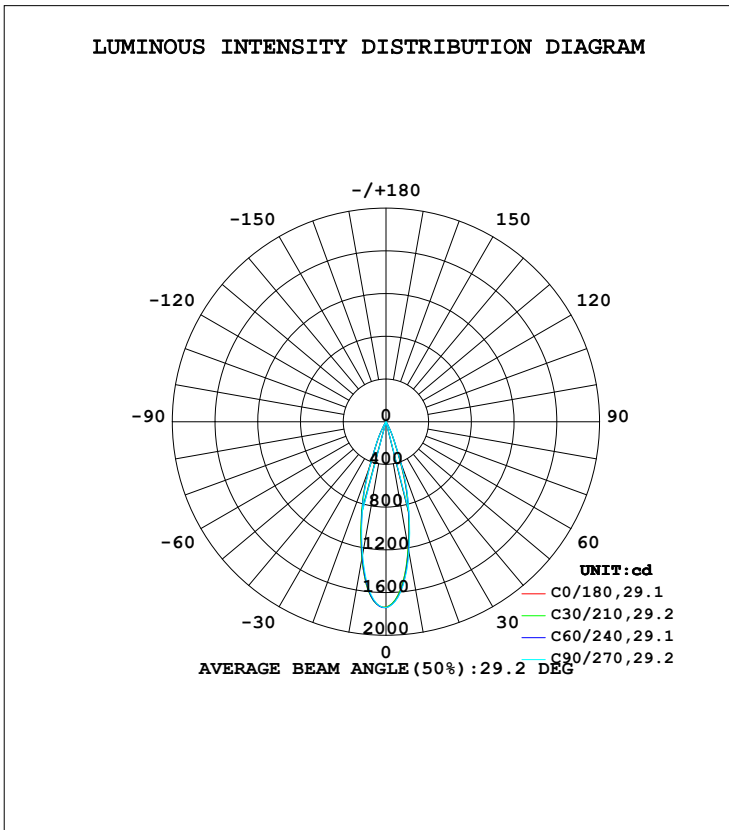


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|-------------|
| Test:U:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|---------------|------------------|--------|---------------------|----------|
| MODEL | LUMINUS-4000K | Imax (cd) | 1741 | S/MH (C0/180) | 0.50 |
| NOMINAL POWER (W) | 6 | LOR (%) | 100.0 | S/MH (C90/270) | 0.49 |
| RATED VOLTAGE (V) | 18 | TOTAL FLUX (lm) | 458.25 | η UP, DN (C0-180) | 0.0,49.0 |
| NOMINAL FLUX (lm) | 458.246 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0,51.0 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE (V) | 16.7 | 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: 2018-07-30

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:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 1202 | 1225 | 1237 | 1277 | 1302 | 1275 | 1265 | 1228 | 0- 10 | 141.9 | 141.9 | 31,31 |
| 20 | 370.7 | 399.9 | 410.4 | 438.8 | 469.7 | 446.7 | 434.4 | 402.4 | 10- 20 | 225.1 | 367.1 | 80.1,80.1 |
| 30 | 34.24 | 36.82 | 38.31 | 41.31 | 45.17 | 43.09 | 41.15 | 37.87 | 20- 30 | 76.31 | 443.4 | 96.8,96.8 |
| 40 | 5.488 | 6.186 | 6.718 | 7.430 | 7.360 | 6.831 | 6.423 | 5.934 | 30- 40 | 10.26 | 453.6 | 99,99 |
| 50 | 1.967 | 2.069 | 2.105 | 2.113 | 2.139 | 2.087 | 2.058 | 2.032 | 40- 50 | 2.654 | 456.3 | 99.6,99.6 |
| 60 | 0.9280 | 0.9546 | 0.9565 | 0.8890 | 0.8536 | 0.8404 | 0.8647 | 0.9191 | 50- 60 | 1.307 | 457.6 | 99.9,99.9 |
| 70 | 0.2825 | 0.2708 | 0.2737 | 0.2140 | 0.1899 | 0.2145 | 0.2096 | 0.2605 | 60- 70 | 0.5036 | 458.1 | 100,100 |
| 80 | 0.0592 | 0.0480 | 0.0613 | 0.0328 | 0.0305 | 0.0482 | 0.0327 | 0.0526 | 70- 80 | 0.1301 | 458.2 | 100,100 |
| 90 | 0.0131 | 0.0131 | 0.0131 | 0.0087 | 0.0087 | 0.0066 | 0.0066 | 0.0087 | 80- 90 | 0.0193 | 458.2 | 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): 455.28 lm

%lum = 99.4%

%lamp = 99.4%

Conical surface Flux(120deg): 457.59 lm

%lum = 99.9%

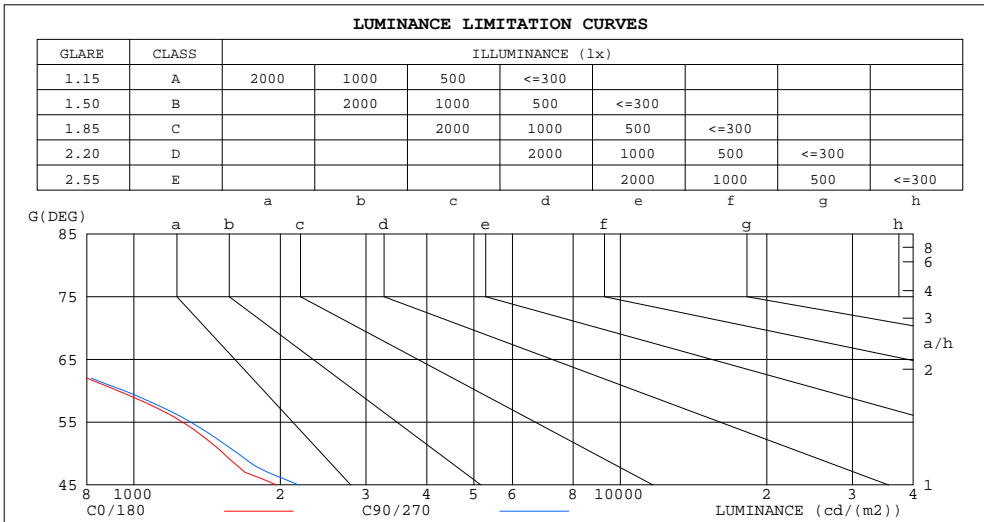
%lamp = 99.9%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Myles
Test Date:2018-07-30

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:

LUMINANCE LIMITATION CURVES

| | | |
|---|---------------------|-------------|
| Test:U:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 88 | 113 |
| 80 | 170 | 176 |
| 75 | 266 | 258 |
| 70 | 413 | 400 |
| 65 | 629 | 629 |
| 60 | 927 | 956 |
| 55 | 1258 | 1307 |
| 50 | 1529 | 1636 |
| 45 | 1965 | 2182 |

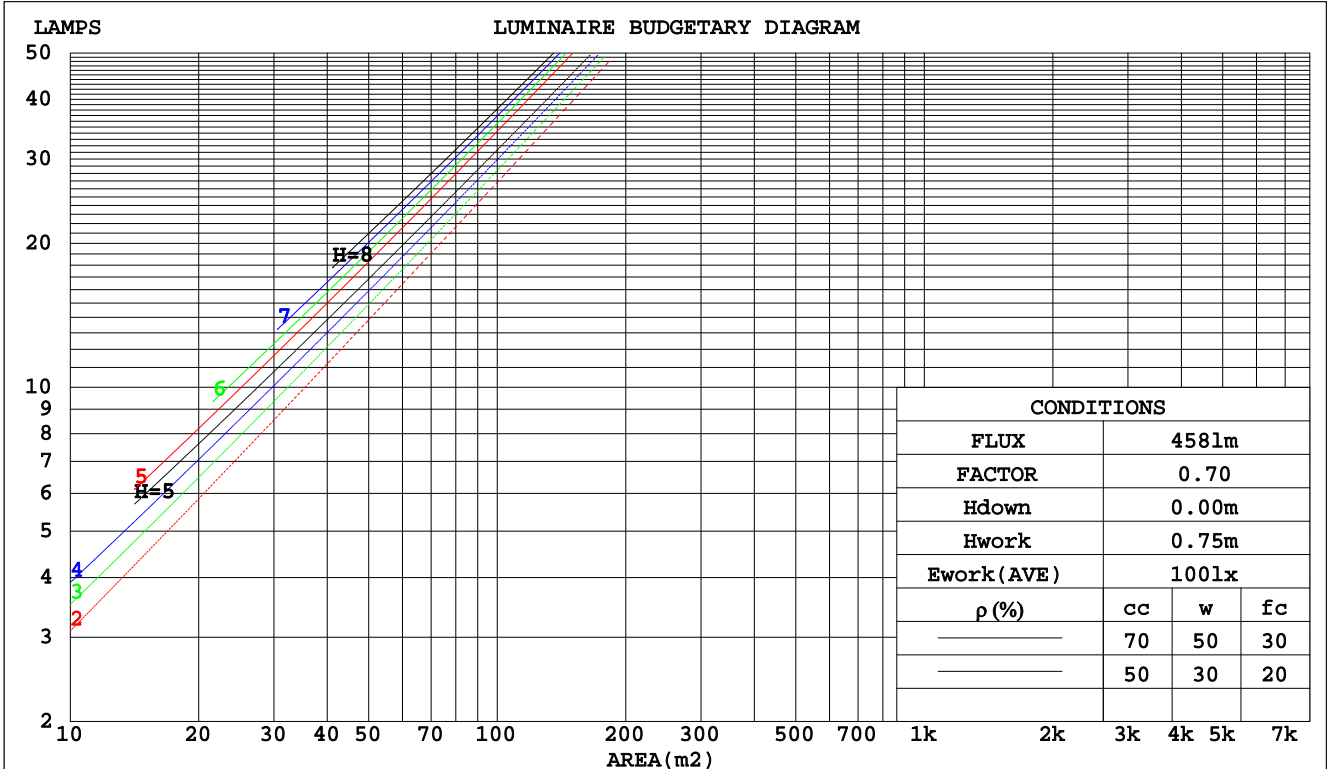
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| 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 | | | | | | | | | | | | | | | |
| | 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 | .97 |
| 2.0 | 1.08 | 1.04 | 1.02 | 1.06 | 1.03 | 1.01 | 1.03 | 1.01 | .99 | .00 | .98 | .97 | .97 | .96 | .95 | .93 |
| 3.0 | 1.03 | .99 | .96 | 1.02 | .98 | .96 | .99 | .96 | .94 | .97 | .95 | .93 | .95 | .93 | .91 | .90 |
| 4.0 | .99 | .95 | .92 | .98 | .94 | .91 | .96 | .93 | .90 | .94 | .91 | .89 | .92 | .90 | .88 | .87 |
| 5.0 | .95 | .91 | .88 | .94 | .90 | .87 | .93 | .89 | .87 | .91 | .88 | .86 | .90 | .87 | .85 | .84 |
| 6.0 | .92 | .87 | .84 | .91 | .87 | .84 | .90 | .86 | .84 | .88 | .85 | .83 | .87 | .85 | .83 | .82 |
| 7.0 | .89 | .84 | .81 | .88 | .84 | .81 | .87 | .83 | .81 | .86 | .83 | .80 | .85 | .82 | .80 | .79 |
| 8.0 | .86 | .82 | .79 | .85 | .81 | .79 | .84 | .81 | .78 | .84 | .80 | .78 | .83 | .80 | .78 | .77 |
| 9.0 | .83 | .79 | .76 | .83 | .79 | .76 | .82 | .78 | .76 | .81 | .78 | .76 | .81 | .78 | .75 | .75 |
| 10.0 | .81 | .77 | .74 | .80 | .77 | .74 | .80 | .76 | .74 | .79 | .76 | .74 | .78 | .76 | .73 | .72 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Myles
 Test Date: 2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| 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 | .138 | .078 | .025 | .131 | .075 | .024 | .119 | .068 | .022 | .108 | .062 | .020 | .097 | .056 | .018 | |
| 2.0 | .128 | .070 | .022 | .123 | .067 | .021 | .112 | .062 | .019 | .103 | .058 | .018 | .094 | .053 | .017 | |
| 3.0 | .119 | .064 | .019 | .115 | .062 | .019 | .106 | .058 | .018 | .098 | .054 | .017 | .091 | .050 | .016 | |
| 4.0 | .112 | .058 | .017 | .108 | .057 | .017 | .101 | .054 | .016 | .094 | .051 | .015 | .088 | .048 | .015 | |
| 5.0 | .106 | .054 | .016 | .102 | .053 | .015 | .096 | .050 | .015 | .091 | .048 | .014 | .085 | .046 | .014 | |
| 6.0 | .100 | .050 | .014 | .097 | .049 | .014 | .092 | .047 | .014 | .087 | .045 | .013 | .083 | .043 | .013 | |
| 7.0 | .095 | .047 | .013 | .093 | .046 | .013 | .088 | .045 | .013 | .084 | .043 | .013 | .080 | .042 | .012 | |
| 8.0 | .091 | .044 | .012 | .089 | .044 | .012 | .085 | .042 | .012 | .081 | .041 | .012 | .077 | .040 | .012 | |
| 9.0 | .087 | .042 | .012 | .085 | .042 | .012 | .082 | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 | |
| 10.0 | .084 | .040 | .011 | .082 | .040 | .011 | .079 | .039 | .011 | .076 | .038 | .011 | .073 | .037 | .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 | .168 | .158 | .148 | .144 | .135 | .127 | .099 | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 | |
| 2.0 | .150 | .133 | .118 | .129 | .114 | .102 | .088 | .079 | .071 | .051 | .046 | .042 | .016 | .015 | .014 | |
| 3.0 | .135 | .113 | .096 | .116 | .098 | .083 | .080 | .068 | .058 | .046 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .123 | .098 | .079 | .106 | .085 | .068 | .073 | .059 | .048 | .042 | .035 | .028 | .014 | .011 | .009 | |
| 5.0 | .113 | .086 | .066 | .097 | .074 | .057 | .067 | .052 | .040 | .039 | .030 | .024 | .012 | .010 | .008 | |
| 6.0 | .104 | .076 | .055 | .089 | .066 | .048 | .062 | .046 | .034 | .036 | .027 | .020 | .012 | .009 | .007 | |
| 7.0 | .096 | .068 | .047 | .083 | .059 | .041 | .057 | .041 | .029 | .033 | .024 | .017 | .011 | .008 | .006 | |
| 8.0 | .090 | .061 | .041 | .077 | .053 | .036 | .054 | .037 | .025 | .031 | .022 | .015 | .010 | .007 | .005 | |
| 9.0 | .084 | .055 | .035 | .073 | .048 | .031 | .050 | .034 | .022 | .029 | .020 | .013 | .009 | .007 | .004 | |
| 10.0 | .079 | .050 | .031 | .069 | .044 | .027 | .048 | .031 | .019 | .028 | .018 | .012 | .009 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| 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 | 6.2 | 6.9 | 6.4 | 7.1 | 7.2 | 6.9 | 7.6 | 7.1 | 7.7 | 7.9 |
| 3H | 6.2 | 6.8 | 6.5 | 7.0 | 7.2 | 6.9 | 7.5 | 7.1 | 7.7 | 7.9 |
| 4H | 6.2 | 6.8 | 6.4 | 7.0 | 7.2 | 6.8 | 7.4 | 7.1 | 7.6 | 7.8 |
| 6H | 6.1 | 6.7 | 6.4 | 6.9 | 7.1 | 6.8 | 7.3 | 7.1 | 7.6 | 7.8 |
| 8H | 6.1 | 6.6 | 6.4 | 6.9 | 7.1 | 6.7 | 7.3 | 7.0 | 7.5 | 7.8 |
| 12H | 6.0 | 6.5 | 6.3 | 6.8 | 7.1 | 6.7 | 7.2 | 7.0 | 7.5 | 7.7 |
| 4H 2H | 6.2 | 6.8 | 6.4 | 7.0 | 7.2 | 6.8 | 7.4 | 7.1 | 7.6 | 7.8 |
| 3H | 6.2 | 6.7 | 6.5 | 6.9 | 7.2 | 6.8 | 7.3 | 7.1 | 7.6 | 7.8 |
| 4H | 6.1 | 6.6 | 6.5 | 6.9 | 7.2 | 6.7 | 7.2 | 7.1 | 7.5 | 7.8 |
| 6H | 6.0 | 6.5 | 6.4 | 6.8 | 7.1 | 6.7 | 7.1 | 7.0 | 7.4 | 7.7 |
| 8H | 6.0 | 6.4 | 6.4 | 6.7 | 7.1 | 6.6 | 7.0 | 7.0 | 7.3 | 7.7 |
| 12H | 5.9 | 6.3 | 6.3 | 6.7 | 7.0 | 6.6 | 6.9 | 7.0 | 7.3 | 7.7 |
| 8H 4H | 6.0 | 6.4 | 6.4 | 6.7 | 7.1 | 6.6 | 7.0 | 7.0 | 7.3 | 7.7 |
| 6H | 5.9 | 6.2 | 6.3 | 6.6 | 7.0 | 6.5 | 6.8 | 6.9 | 7.2 | 7.6 |
| 8H | 5.9 | 6.1 | 6.3 | 6.6 | 7.0 | 6.5 | 6.8 | 6.9 | 7.2 | 7.6 |
| 12H | 5.8 | 6.0 | 6.3 | 6.5 | 6.9 | 6.4 | 6.7 | 6.9 | 7.1 | 7.6 |
| 12H 4H | 5.9 | 6.3 | 6.3 | 6.7 | 7.0 | 6.6 | 6.9 | 7.0 | 7.3 | 7.7 |
| 6H | 5.8 | 6.1 | 6.3 | 6.5 | 7.0 | 6.5 | 6.7 | 6.9 | 7.2 | 7.6 |
| 8H | 5.8 | 6.0 | 6.3 | 6.5 | 6.9 | 6.4 | 6.7 | 6.9 | 7.1 | 7.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.5 / - 3.4 | | | | | + 2.8 / - 3.8 | | | | |
| 1.5H | + 4.0 / - 2.2 | | | | | + 4.5 / - 2.5 | | | | |
| 2.0H | + 2.0 / - 2.5 | | | | | + 2.3 / - 2.7 | | | | |

CIE Pub.117, 458.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |

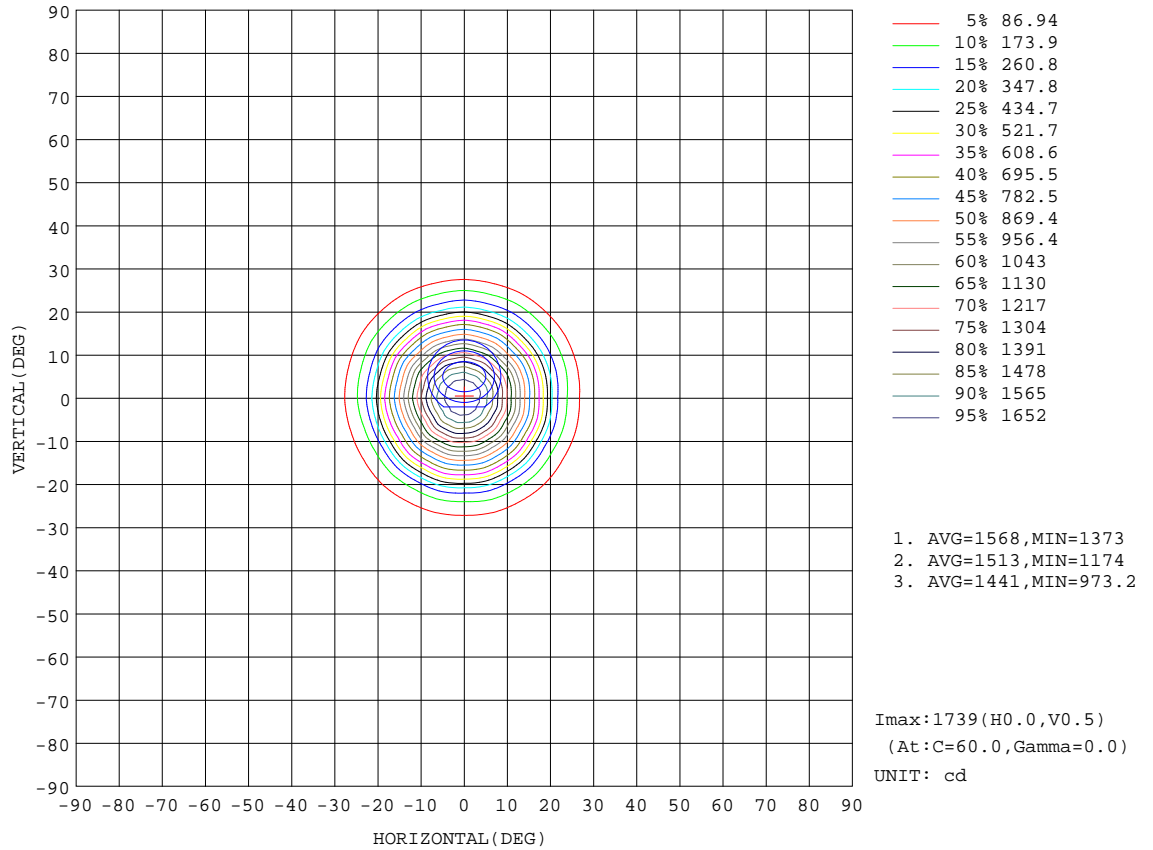
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 82 | 90 | 85 | 82 | 90 | 85 | 82 | 78 |
| 0.80 | 98 | 93 | 89 | 97 | 92 | 89 | 96 | 92 | 89 | 86 |
| 1.00 | 102 | 97 | 93 | 101 | 96 | 93 | 99 | 96 | 93 | 89 |
| 1.25 | 105 | 101 | 97 | 104 | 100 | 97 | 102 | 99 | 96 | 92 |
| 1.50 | 108 | 103 | 100 | 106 | 103 | 100 | 104 | 101 | 99 | 95 |
| 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 | 110 | 107 | 111 | 108 | 106 | 108 | 106 | 104 | 98 |
| 4.00 | 115 | 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:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |



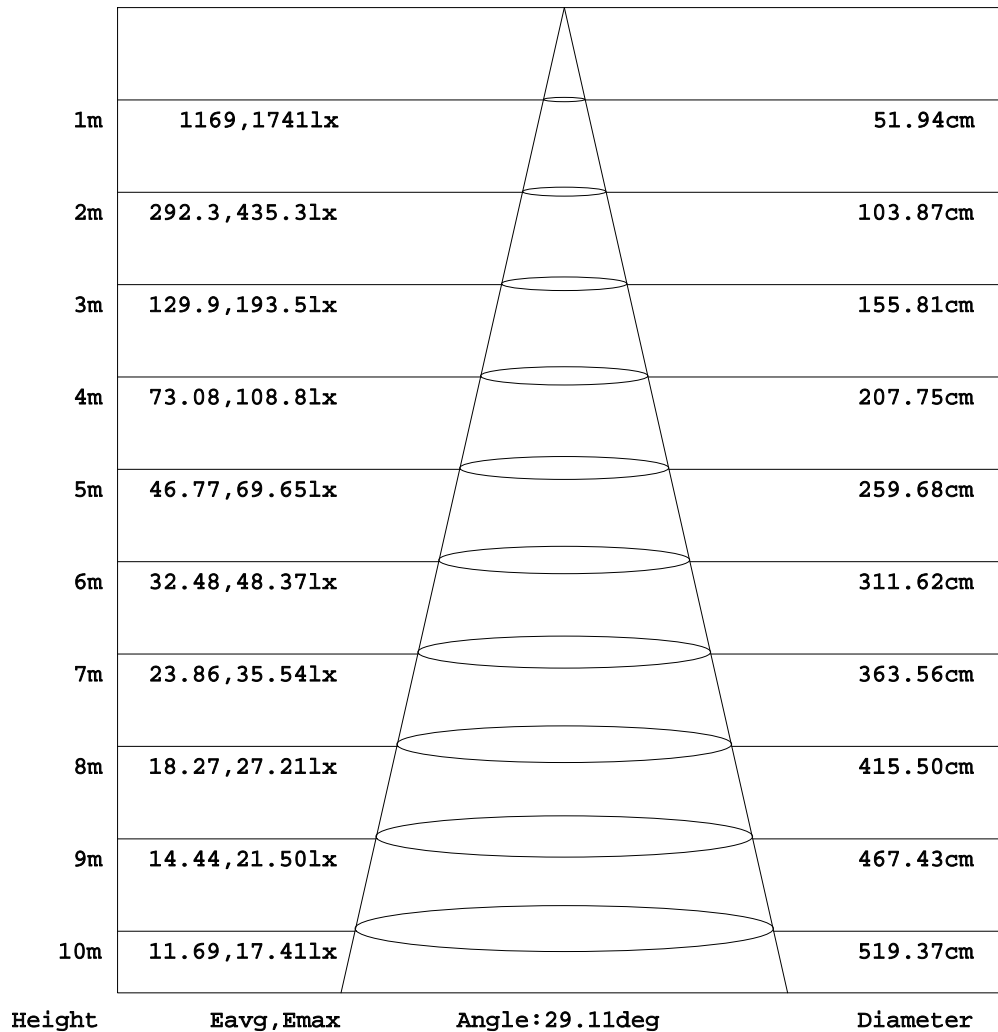
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
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 Operators:Myles
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γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:56%
 Test Distance:5.850m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

AAI Figure

| | | |
|---|---------------------|-------------|
| Test:U:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |

Flux out:263.7 lm



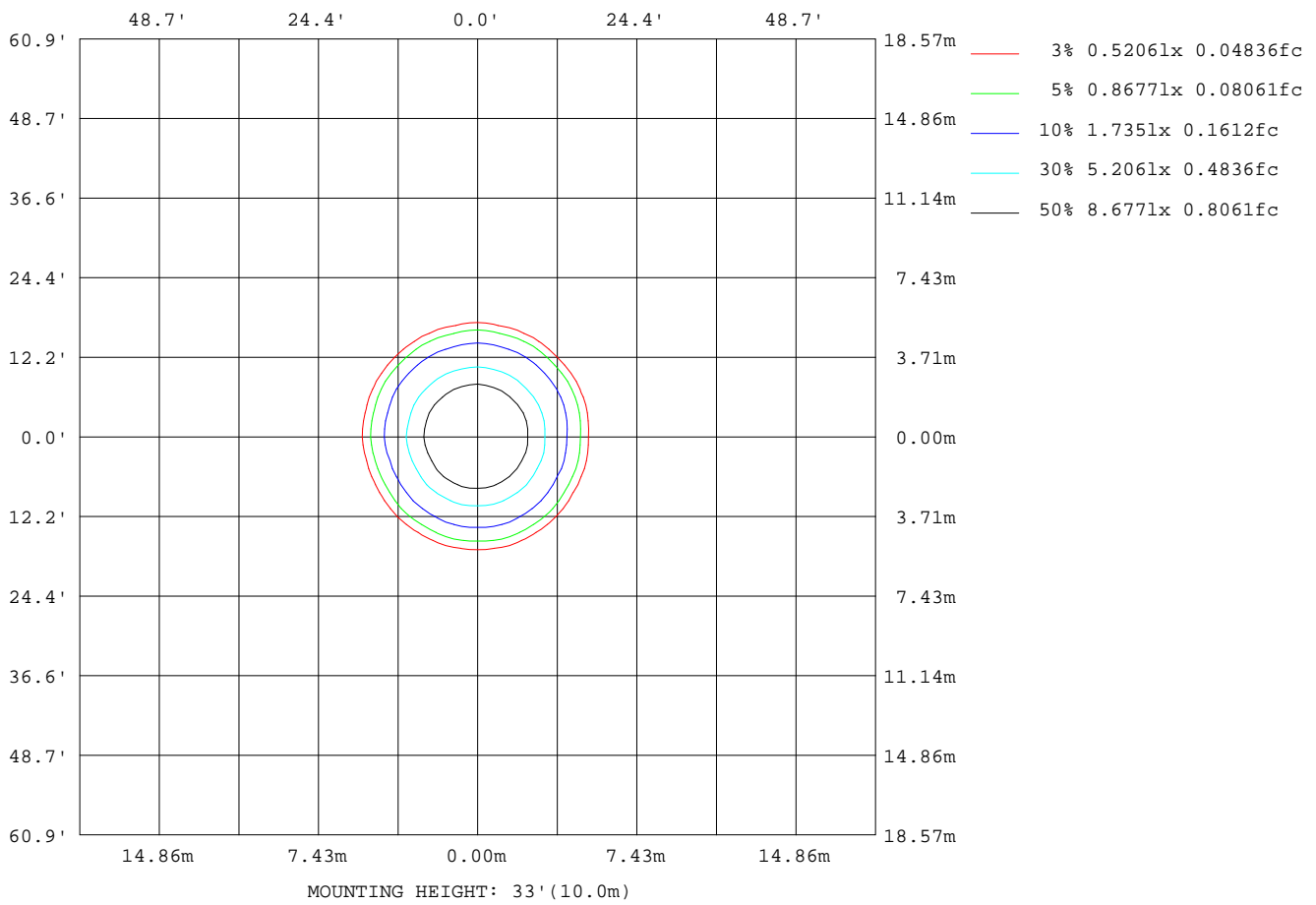
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Myles
Test Date:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |

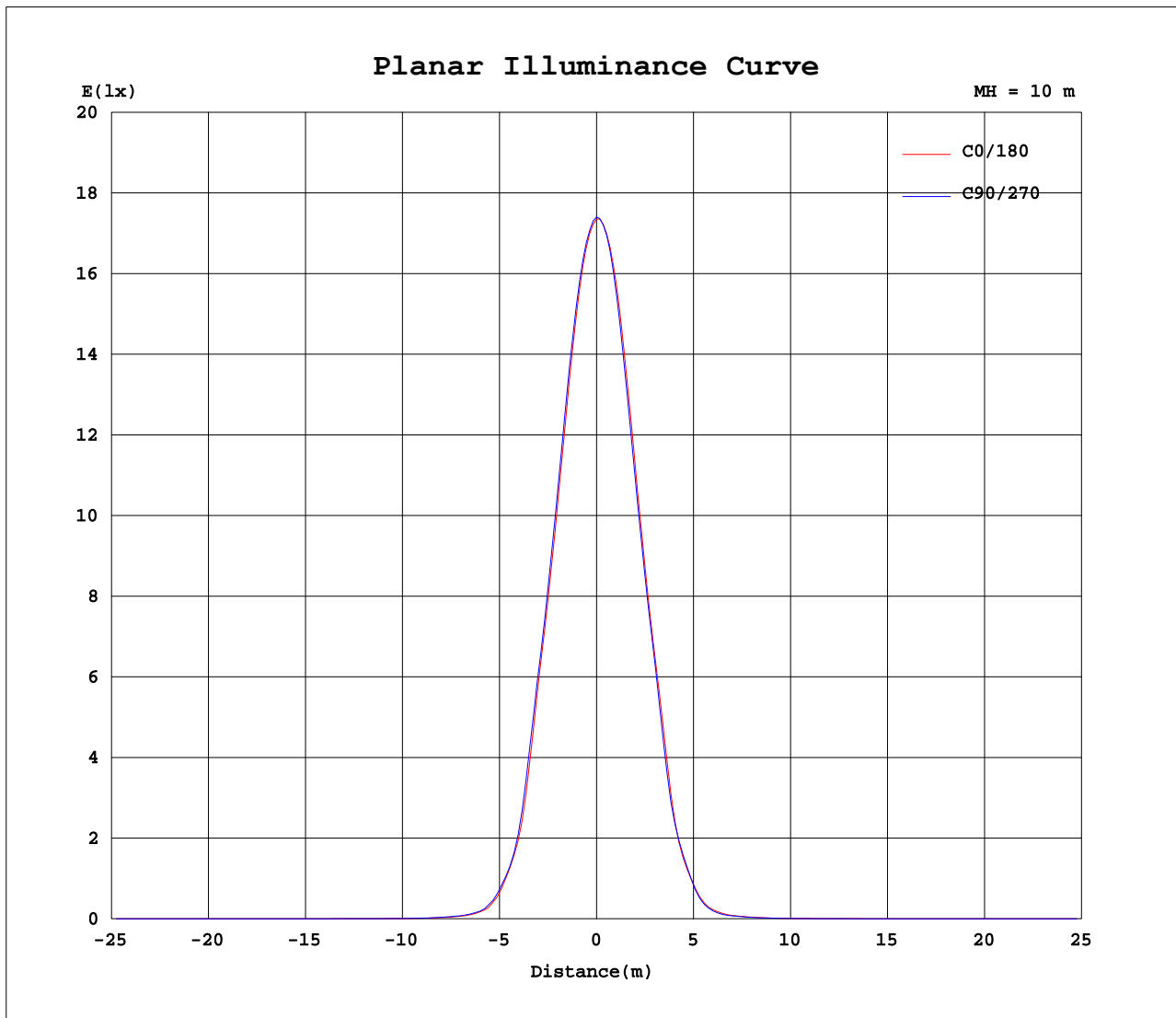
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 558 |
| L_0~180 (75) av | 215 |
| L_0~180 (85) av | 69 |
| L_90~270 (65) av | 576 |
| L_90~270 (75) av | 224 |
| L_90~270 (85) av | 69 |
| L_45 (65) av | 569 |
| L_45 (75) av | 226 |
| L_45 (85) av | 60 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Myles
Test Date:2018-07-30

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: 2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: φ50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1735 | 1736 | 1735 | 1738 | 1741 | 1741 | 1740 | 1740 | 1740 | 1740 | 1737 | 1741 | 1735 | 1736 | 1735 | 1738 | 1741 | 1741 | 1740 |
| 5 | 1578 | 1587 | 1573 | 1593 | 1591 | 1603 | 1597 | 1610 | 1607 | 1622 | 1608 | 1625 | 1638 | 1629 | 1641 | 1627 | 1634 | 1619 | 1621 |
| 10 | 1202 | 1219 | 1198 | 1225 | 1220 | 1242 | 1237 | 1261 | 1254 | 1277 | 1251 | 1272 | 1302 | 1284 | 1305 | 1275 | 1286 | 1261 | 1265 |
| 15 | 793 | 805 | 788 | 810 | 807 | 825 | 821 | 836 | 827 | 848 | 826 | 844 | 877 | 866 | 888 | 861 | 866 | 848 | 855 |
| 20 | 371 | 386 | 375 | 400 | 399 | 420 | 410 | 433 | 423 | 439 | 419 | 441 | 470 | 451 | 467 | 447 | 450 | 426 | 434 |
| 25 | 137 | 140 | 135 | 145 | 145 | 152 | 143 | 150 | 140 | 149 | 140 | 150 | 166 | 168 | 178 | 172 | 175 | 168 | 173 |
| 30 | 34.2 | 35.1 | 34.6 | 36.8 | 37.8 | 39.3 | 38.3 | 40.1 | 39.6 | 41.3 | 39.9 | 41.0 | 45.2 | 43.8 | 45.2 | 43.1 | 43.2 | 40.6 | 41.2 |
| 35 | 12.5 | 13.1 | 12.9 | 13.8 | 13.7 | 14.2 | 14.5 | 15.1 | 15.2 | 15.9 | 15.2 | 15.4 | 15.5 | 15.0 | 15.1 | 14.2 | 14.0 | 13.4 | 13.5 |
| 40 | 5.49 | 5.73 | 5.74 | 6.19 | 6.42 | 6.70 | 6.72 | 7.09 | 7.12 | 7.43 | 7.23 | 7.31 | 7.36 | 7.12 | 7.25 | 6.83 | 6.68 | 6.31 | 6.42 |
| 45 | 2.78 | 2.84 | 2.90 | 2.98 | 3.00 | 3.09 | 3.09 | 3.16 | 3.15 | 3.19 | 3.18 | 3.19 | 3.36 | 3.40 | 3.40 | 3.26 | 3.15 | 3.11 | 3.18 |
| 50 | 1.97 | 2.00 | 2.05 | 2.07 | 2.08 | 2.10 | 2.11 | 2.12 | 2.11 | 2.11 | 2.11 | 2.09 | 2.14 | 2.15 | 2.14 | 2.09 | 2.05 | 2.03 | 2.06 |
| 55 | 1.44 | 1.46 | 1.50 | 1.50 | 1.50 | 1.51 | 1.50 | 1.50 | 1.48 | 1.46 | 1.45 | 1.43 | 1.47 | 1.48 | 1.47 | 1.44 | 1.41 | 1.41 | 1.43 |
| 60 | 0.93 | 0.94 | 0.96 | 0.95 | 0.95 | 0.96 | 0.96 | 0.94 | 0.91 | 0.89 | 0.87 | 0.85 | 0.85 | 0.85 | 0.85 | 0.84 | 0.84 | 0.85 | 0.86 |
| 65 | 0.53 | 0.53 | 0.55 | 0.53 | 0.54 | 0.53 | 0.53 | 0.50 | 0.49 | 0.46 | 0.45 | 0.42 | 0.41 | 0.42 | 0.41 | 0.42 | 0.42 | 0.44 | 0.44 |
| 70 | 0.28 | 0.27 | 0.29 | 0.27 | 0.28 | 0.27 | 0.27 | 0.24 | 0.24 | 0.21 | 0.22 | 0.19 | 0.19 | 0.21 | 0.19 | 0.21 | 0.20 | 0.22 | 0.21 |
| 75 | 0.14 | 0.12 | 0.14 | 0.13 | 0.14 | 0.12 | 0.13 | 0.11 | 0.12 | 0.10 | 0.11 | 0.09 | 0.09 | 0.10 | 0.09 | 0.11 | 0.09 | 0.12 | 0.10 |
| 80 | 0.06 | 0.04 | 0.07 | 0.05 | 0.06 | 0.04 | 0.06 | 0.04 | 0.05 | 0.03 | 0.05 | 0.03 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 | 0.05 | 0.03 |
| 85 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 |
| 90 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 |
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C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Myles
 Test Date:2018-07-30

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:16.70V I:0.3500A P:5.845W PF:1.000 Freq:0Hz Lamp Flux:458.246x1 lm | | |
| NAME: SIGN45-G-6W-940-30 | TYPE:Downlight | SERIAL No.: |
| SPEC.:4000K | DIM.: ϕ 50.5mm*H62mm | |
| MFR.: NEKO LIGHTING AG | | |

Table--2

UNIT: cd

| C (DEG) \ γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1740 | 1740 | 1740 | 1737 | 1741 | | | | | | | | | | | | |
| 5 | 1605 | 1610 | 1597 | 1608 | 1600 | | | | | | | | | | | | |
| 10 | 1237 | 1248 | 1228 | 1247 | 1231 | | | | | | | | | | | | |
| 15 | 835 | 840 | 818 | 829 | 816 | | | | | | | | | | | | |
| 20 | 414 | 421 | 402 | 407 | 394 | | | | | | | | | | | | |
| 25 | 164 | 170 | 159 | 163 | 153 | | | | | | | | | | | | |
| 30 | 38.9 | 39.8 | 37.9 | 38.2 | 36.9 | | | | | | | | | | | | |
| 35 | 13.0 | 13.1 | 12.7 | 12.9 | 12.8 | | | | | | | | | | | | |
| 40 | 6.15 | 6.20 | 5.93 | 5.98 | 5.76 | | | | | | | | | | | | |
| 45 | 3.13 | 3.08 | 3.02 | 2.99 | 2.91 | | | | | | | | | | | | |
| 50 | 2.04 | 2.04 | 2.03 | 2.01 | 1.98 | | | | | | | | | | | | |
| 55 | 1.44 | 1.45 | 1.46 | 1.46 | 1.46 | | | | | | | | | | | | |
| 60 | 0.88 | 0.90 | 0.92 | 0.92 | 0.93 | | | | | | | | | | | | |
| 65 | 0.47 | 0.48 | 0.51 | 0.51 | 0.53 | | | | | | | | | | | | |
| 70 | 0.24 | 0.24 | 0.26 | 0.25 | 0.27 | | | | | | | | | | | | |
| 75 | 0.12 | 0.10 | 0.13 | 0.11 | 0.13 | | | | | | | | | | | | |
| 80 | 0.05 | 0.03 | 0.05 | 0.03 | 0.06 | | | | | | | | | | | | |
| 85 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | | | | |
| 90 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | | | | |
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|----------------------|--|
| 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:2018-07-30 | Remarks: |