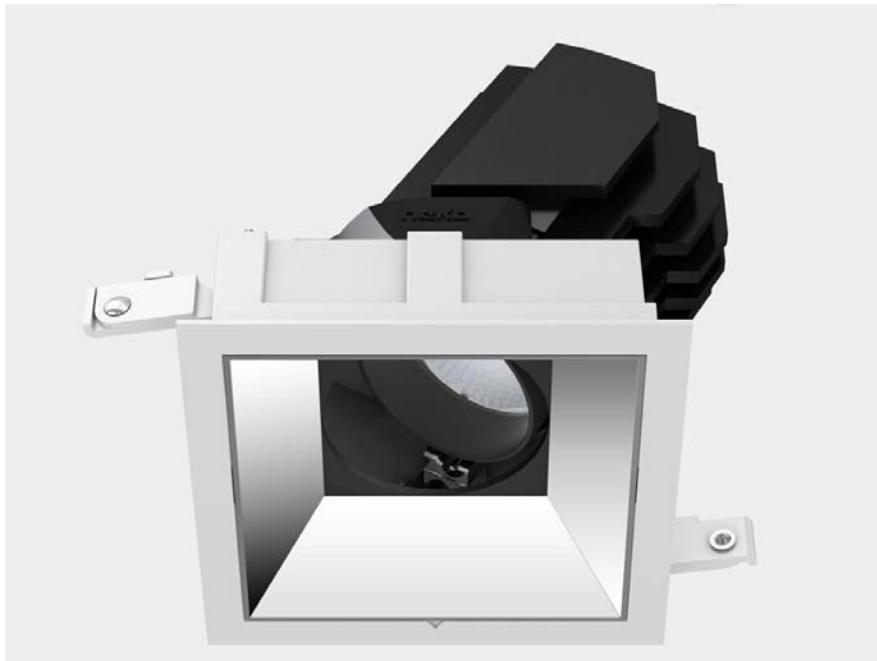


LED Downlight SENSE Series S125S1-18W-930-M



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 100.0% | |
| Luminaire Power: | 19.53 W | |
| SHR Nominal: | 0.50 | Calculated using the TM5 |
| SHR Maximum: | 0.60 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-07-17

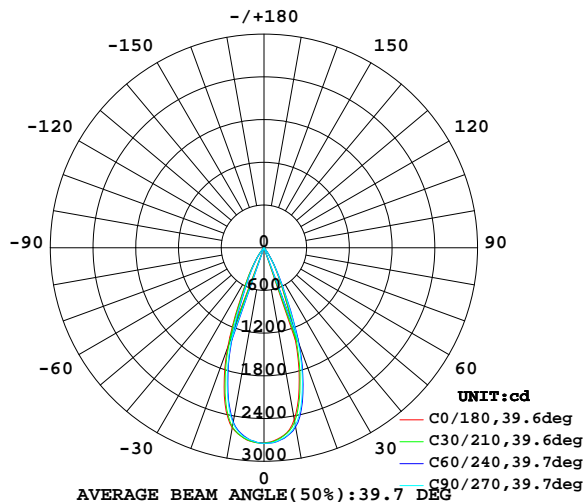
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

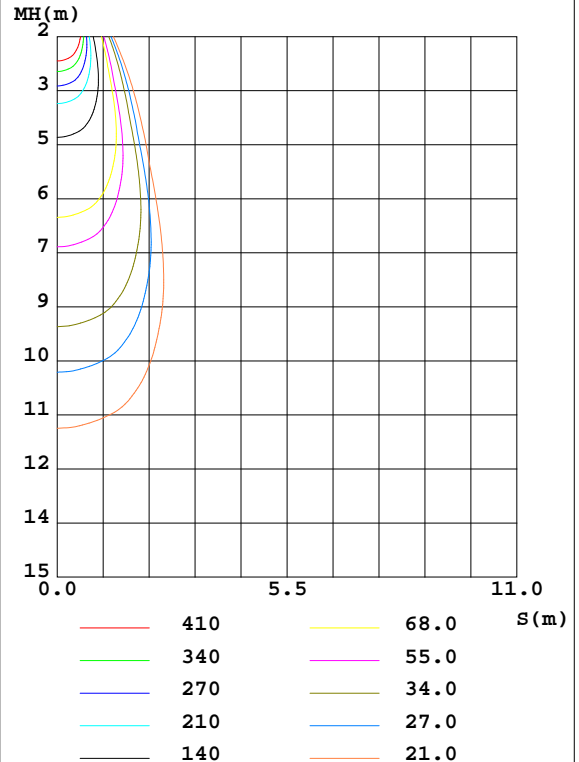
| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| MFR.: NEKO LIGHTING AG | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 63.14 lm/W | | | |
|------------------|---------------|----------------------------------|--------|-------------------|----------|
| MODEL | CITIZEN-3000K | I _{max} (cd) | 2748 | S/MH(C0/180) | 0.63 |
| NOMINAL POWER(W) | 21 | LOR(%) | 100.0 | S/MH(C90/270) | 0.59 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 1233.1 | η UP,DN(C0-180) | 0.0,48.3 |
| NOMINAL FLUX(lm) | 1233.15 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,51.7 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 220 | η down(%) | 100.0 | CIBSE SHR MAX | 0.60 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



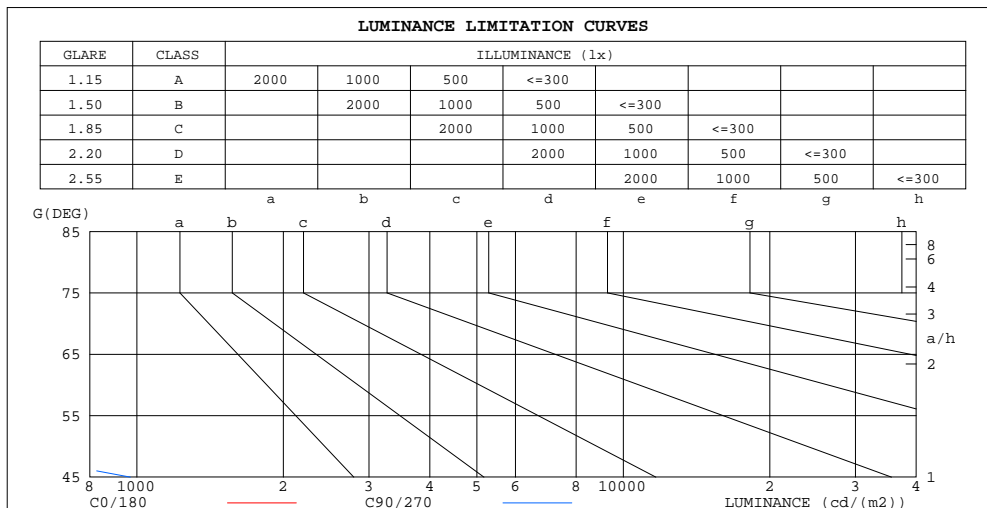
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|---------------|
| 10 | 2447 | 2548 | 2534 | 2477 | 2570 | 2489 | 2500 | 2558 | 0- 10 | 252.1 | 252.1 | 20.4,20.4 |
| 20 | 1189 | 1410 | 1399 | 1252 | 1493 | 1273 | 1299 | 1427 | 10- 20 | 550.3 | 802.4 | 65.1,65.1 |
| 30 | 290.8 | 318.6 | 293.8 | 266.8 | 380.2 | 327.1 | 339.3 | 366.1 | 20- 30 | 319.2 | 1122 | 91,91 |
| 40 | 35.47 | 39.34 | 33.24 | 35.37 | 56.71 | 51.98 | 56.90 | 67.70 | 30- 40 | 93.07 | 1215 | 98.5,98.5 |
| 50 | 4.880 | 7.922 | 5.517 | 7.412 | 6.683 | 8.125 | 5.768 | 9.337 | 40- 50 | 14.99 | 1230 | 99.7,99.7 |
| 60 | 0.4197 | 1.486 | 0.7592 | 1.689 | 1.094 | 1.570 | 0.6991 | 1.761 | 50- 60 | 3.040 | 1233 | 100,100 |
| 70 | 0.0705 | 0.0918 | 0.1272 | 0.1638 | 0.1659 | 0.1641 | 0.0978 | 0.1269 | 60- 70 | 0.3738 | 1233 | 100,100 |
| 80 | 0.0612 | 0.0503 | 0.0590 | 0.0591 | 0.0634 | 0.0525 | 0.0437 | 0.0503 | 70- 80 | 0.0721 | 1233 | 100,100 |
| 90 | 0.0590 | 0.0525 | 0.0590 | 0.0634 | 0.0568 | 0.0525 | 0.0437 | 0.0481 | 80- 90 | 0.0589 | 1233 | 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 | | |



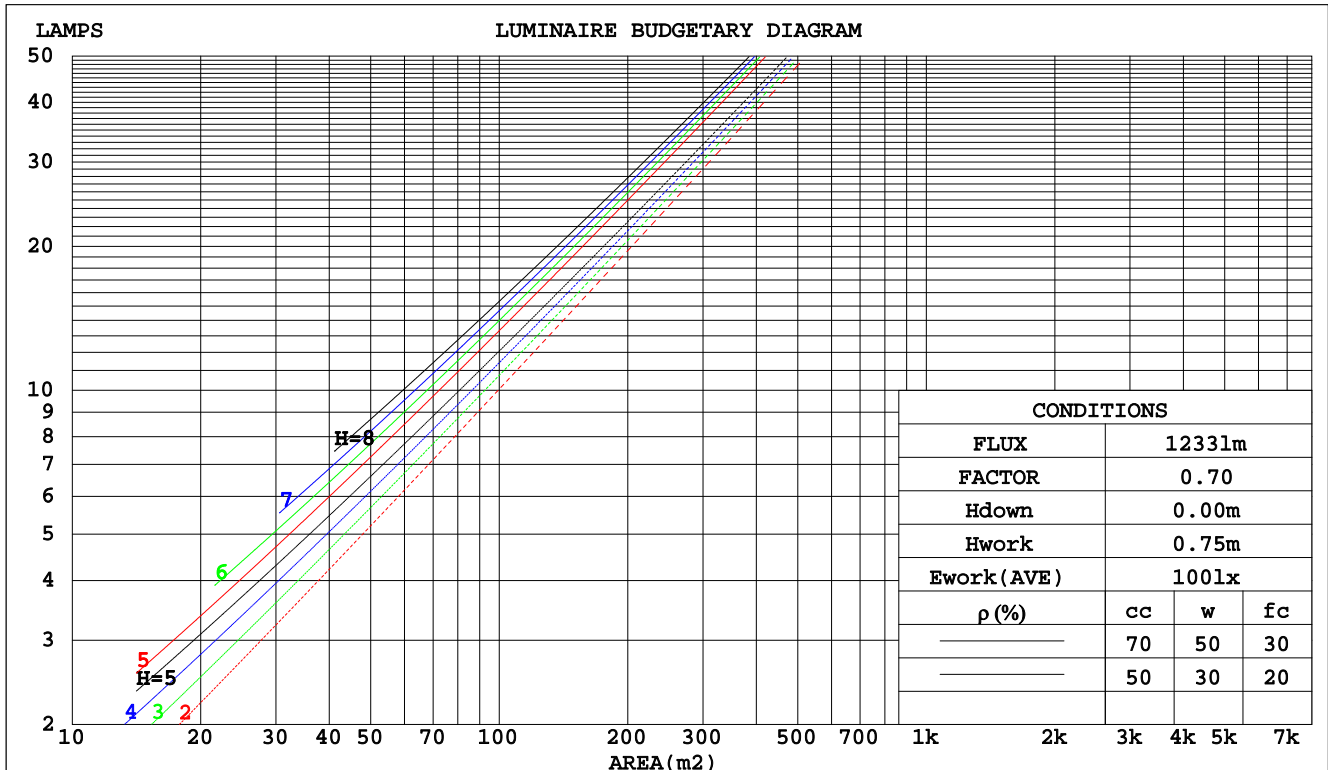
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| 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 | .00 |
| 1.0 | 1.12 | 1.10 | 1.08 | 1.10 | 1.08 | 1.06 | 1.06 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 |
| 2.0 | 1.06 | 1.03 | .00 | 1.04 | 1.01 | .99 | 1.01 | .99 | .97 | .98 | .96 | .95 | .96 | .94 | .93 | .91 |
| 3.0 | 1.01 | .97 | .93 | .99 | .96 | .93 | .97 | .94 | .91 | .94 | .92 | .90 | .92 | .90 | .88 | .87 |
| 4.0 | .96 | .91 | .88 | .95 | .91 | .87 | .93 | .89 | .86 | .91 | .88 | .85 | .89 | .86 | .84 | .83 |
| 5.0 | .91 | .87 | .83 | .90 | .86 | .83 | .89 | .85 | .82 | .87 | .84 | .81 | .86 | .83 | .81 | .79 |
| 6.0 | .87 | .82 | .79 | .87 | .82 | .79 | .85 | .81 | .78 | .84 | .80 | .78 | .83 | .80 | .77 | .76 |
| 7.0 | .84 | .79 | .75 | .83 | .78 | .75 | .82 | .78 | .75 | .81 | .77 | .74 | .80 | .76 | .74 | .73 |
| 8.0 | .80 | .75 | .72 | .80 | .75 | .72 | .79 | .75 | .72 | .78 | .74 | .71 | .77 | .74 | .71 | .70 |
| 9.0 | .77 | .72 | .69 | .77 | .72 | .69 | .76 | .72 | .69 | .75 | .71 | .68 | .74 | .71 | .68 | .67 |
| 10.0 | .74 | .69 | .66 | .74 | .69 | .66 | .73 | .69 | .66 | .72 | .68 | .66 | .72 | .68 | .66 | .65 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .151 | .086 | .027 | .145 | .082 | .026 | .132 | .076 | .024 | .121 | .070 | .022 | .110 | .064 | .021 | | |
| 2.0 | .142 | .078 | .024 | .136 | .075 | .023 | .126 | .070 | .022 | .117 | .065 | .020 | .108 | .061 | .019 | | |
| 3.0 | .134 | .071 | .021 | .129 | .069 | .021 | .120 | .065 | .020 | .112 | .062 | .019 | .105 | .058 | .018 | | |
| 4.0 | .127 | .066 | .019 | .123 | .064 | .019 | .115 | .061 | .018 | .108 | .058 | .018 | .102 | .055 | .017 | | |
| 5.0 | .120 | .061 | .018 | .117 | .060 | .017 | .110 | .057 | .017 | .104 | .055 | .016 | .099 | .053 | .016 | | |
| 6.0 | .114 | .057 | .016 | .112 | .056 | .016 | .106 | .054 | .016 | .101 | .052 | .015 | .096 | .051 | .015 | | |
| 7.0 | .109 | .054 | .015 | .107 | .053 | .015 | .102 | .052 | .015 | .097 | .050 | .015 | .093 | .048 | .014 | | |
| 8.0 | .105 | .051 | .014 | .102 | .050 | .014 | .098 | .049 | .014 | .094 | .048 | .014 | .090 | .046 | .014 | | |
| 9.0 | .100 | .049 | .014 | .098 | .048 | .013 | .095 | .047 | .013 | .091 | .046 | .013 | .088 | .045 | .013 | | |
| 10.0 | .097 | .046 | .013 | .095 | .046 | .013 | .091 | .045 | .013 | .088 | .044 | .012 | .085 | .043 | .012 | | |

| 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 | | | | | | 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 | .147 | .145 | .135 | .126 | .099 | .093 | .087 | .057 | .054 | .051 | .018 | .017 | .016 | |
| 2.0 | .152 | .133 | .116 | .130 | .114 | .100 | .089 | .079 | .070 | .052 | .046 | .041 | .017 | .015 | .013 | |
| 3.0 | .138 | .113 | .094 | .119 | .098 | .081 | .081 | .068 | .057 | .047 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .127 | .098 | .077 | .109 | .085 | .067 | .075 | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 | |
| 5.0 | .117 | .086 | .064 | .100 | .075 | .055 | .069 | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 | |
| 6.0 | .109 | .076 | .053 | .093 | .066 | .047 | .064 | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .006 | |
| 7.0 | .102 | .069 | .045 | .087 | .059 | .040 | .060 | .042 | .028 | .035 | .025 | .017 | .011 | .008 | .006 | |
| 8.0 | .096 | .062 | .039 | .082 | .054 | .034 | .057 | .038 | .024 | .033 | .022 | .014 | .011 | .007 | .005 | |
| 9.0 | .090 | .057 | .034 | .078 | .049 | .030 | .054 | .035 | .021 | .031 | .020 | .013 | .010 | .007 | .004 | |
| 10.0 | .086 | .052 | .030 | .074 | .045 | .026 | .051 | .032 | .018 | .030 | .019 | .011 | .010 | .006 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|-------------------------------------------------------------------|------------------|-----|-----|-----|----------------------------|----------------|-----|-------------|-----|-----|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | | | | | | | | | |
| NAME: S125S1-18W-930-M | | | | | TYPE:Downlight | | | SERIAL No.: | | |
| SPEC.:3000K | | | | | DIM.: L135mm*W135mm*H157mm | | | | | |
| 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 | 6.4 | 7.2 | 6.6 | 7.3 | 7.5 | 6.6 | 7.3 | 6.8 | 7.5 | 7.6 |
| 3H | 6.2 | 6.9 | 6.5 | 7.1 | 7.3 | 6.4 | 7.1 | 6.6 | 7.3 | 7.5 |
| 4H | 6.2 | 6.8 | 6.4 | 7.0 | 7.2 | 6.3 | 7.0 | 6.6 | 7.2 | 7.4 |
| 6H | 6.1 | 6.7 | 6.4 | 6.9 | 7.2 | 6.2 | 6.9 | 6.5 | 7.1 | 7.3 |
| 8H | 6.0 | 6.6 | 6.3 | 6.9 | 7.1 | 6.2 | 6.8 | 6.5 | 7.0 | 7.3 |
| 12H | 6.0 | 6.6 | 6.3 | 6.8 | 7.1 | 6.1 | 6.7 | 6.4 | 7.0 | 7.2 |
| 4H 2H | 6.2 | 6.8 | 6.4 | 7.0 | 7.2 | 6.3 | 7.0 | 6.6 | 7.2 | 7.4 |
| 3H | 6.0 | 6.6 | 6.3 | 6.8 | 7.1 | 6.1 | 6.7 | 6.5 | 7.0 | 7.3 |
| 4H | 5.9 | 6.4 | 6.2 | 6.7 | 7.0 | 6.0 | 6.6 | 6.4 | 6.9 | 7.2 |
| 6H | 5.8 | 6.3 | 6.2 | 6.6 | 6.9 | 5.9 | 6.4 | 6.3 | 6.7 | 7.1 |
| 8H | 5.7 | 6.2 | 6.1 | 6.5 | 6.9 | 5.9 | 6.3 | 6.3 | 6.7 | 7.0 |
| 12H | 5.7 | 6.1 | 6.1 | 6.4 | 6.8 | 5.8 | 6.2 | 6.2 | 6.6 | 7.0 |
| 8H 4H | 5.7 | 6.2 | 6.1 | 6.5 | 6.9 | 5.9 | 6.3 | 6.3 | 6.7 | 7.0 |
| 6H | 5.6 | 6.0 | 6.0 | 6.4 | 6.8 | 5.8 | 6.1 | 6.2 | 6.5 | 6.9 |
| 8H | 5.6 | 5.9 | 6.0 | 6.3 | 6.7 | 5.7 | 6.0 | 6.2 | 6.5 | 6.9 |
| 12H | 5.5 | 5.8 | 6.0 | 6.2 | 6.7 | 5.7 | 5.9 | 6.1 | 6.4 | 6.8 |
| 12H 4H | 5.7 | 6.1 | 6.1 | 6.4 | 6.8 | 5.8 | 6.2 | 6.2 | 6.6 | 7.0 |
| 6H | 5.6 | 5.9 | 6.0 | 6.3 | 6.7 | 5.7 | 6.0 | 6.2 | 6.5 | 6.9 |
| 8H | 5.5 | 5.8 | 6.0 | 6.2 | 6.7 | 5.7 | 5.9 | 6.1 | 6.4 | 6.8 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 4.3 / -16.0 | | | | | + 3.8 / -13.6 | | | | |
| 1.5H | + 6.7 / - 9.9 | | | | | + 6.1 / - 8.4 | | | | |
| 2.0H | + 5.4 / -13.6 | | | | | + 5.4 / -11.7 | | | | |

CIE Pub.117 Corrected 1233 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| MFR.: NEKO LIGHTING AG | | |

| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 91 | 85 | 81 | 90 | 85 | 81 | 89 | 84 | 81 | 78 |
| 0.80 | 98 | 92 | 89 | 97 | 92 | 89 | 96 | 91 | 89 | 85 |
| 1.00 | 101 | 96 | 93 | 101 | 96 | 93 | 99 | 96 | 92 | 89 |
| 1.25 | 105 | 100 | 97 | 104 | 100 | 97 | 102 | 99 | 96 | 92 |
| 1.50 | 108 | 103 | 100 | 106 | 103 | 100 | 104 | 101 | 99 | 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 | 105 | 104 | 98 |
| 4.00 | 114 | 112 | 110 | 112 | 110 | 109 | 109 | 107 | 106 | 99 |
| 5.00 | 116 | 114 | 112 | 114 | 112 | 110 | 110 | 108 | 107 | 100 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| MFR.: NEKO LIGHTING AG | | |

Conical surface Flux(90deg):

1225.3 lm

%lum = 99.4%

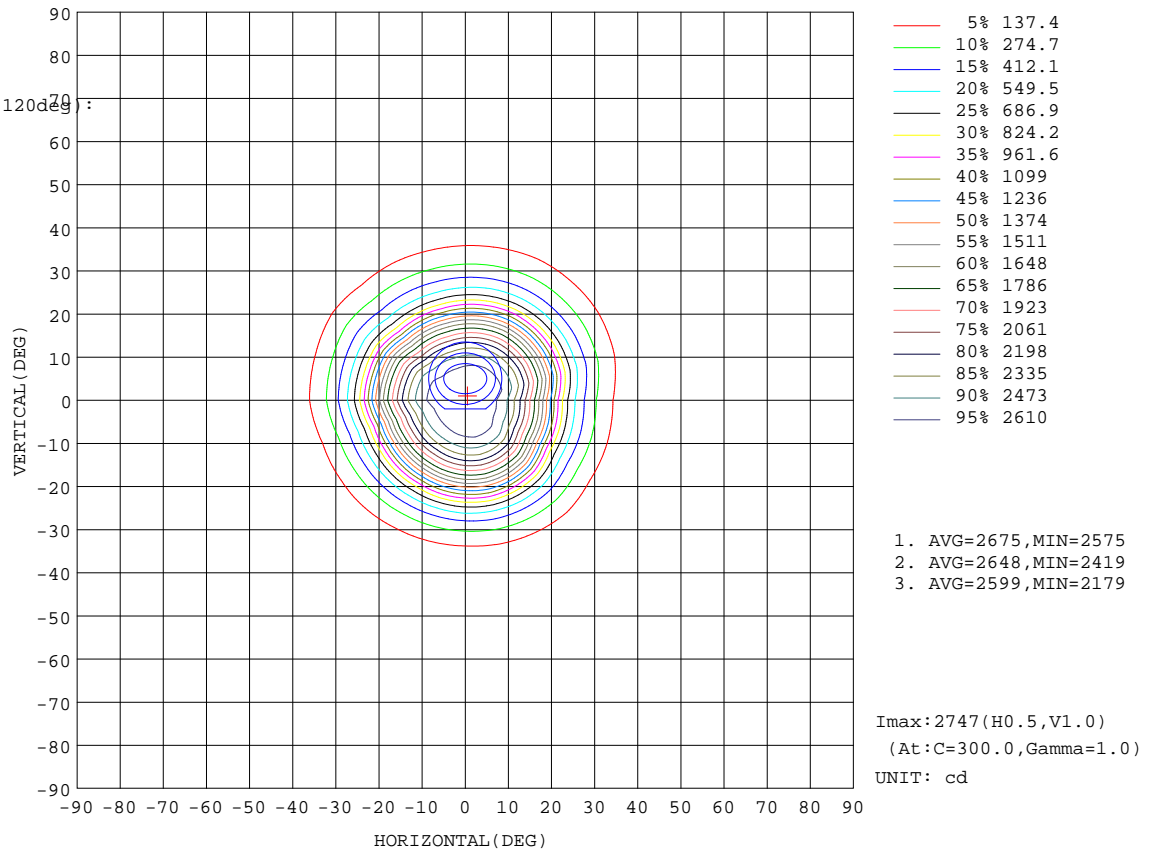
%lamp = 99.4%

Conical surface Flux(120deg):

1232.6 lm

%lum = 100.0%

%lamp = 100.0%



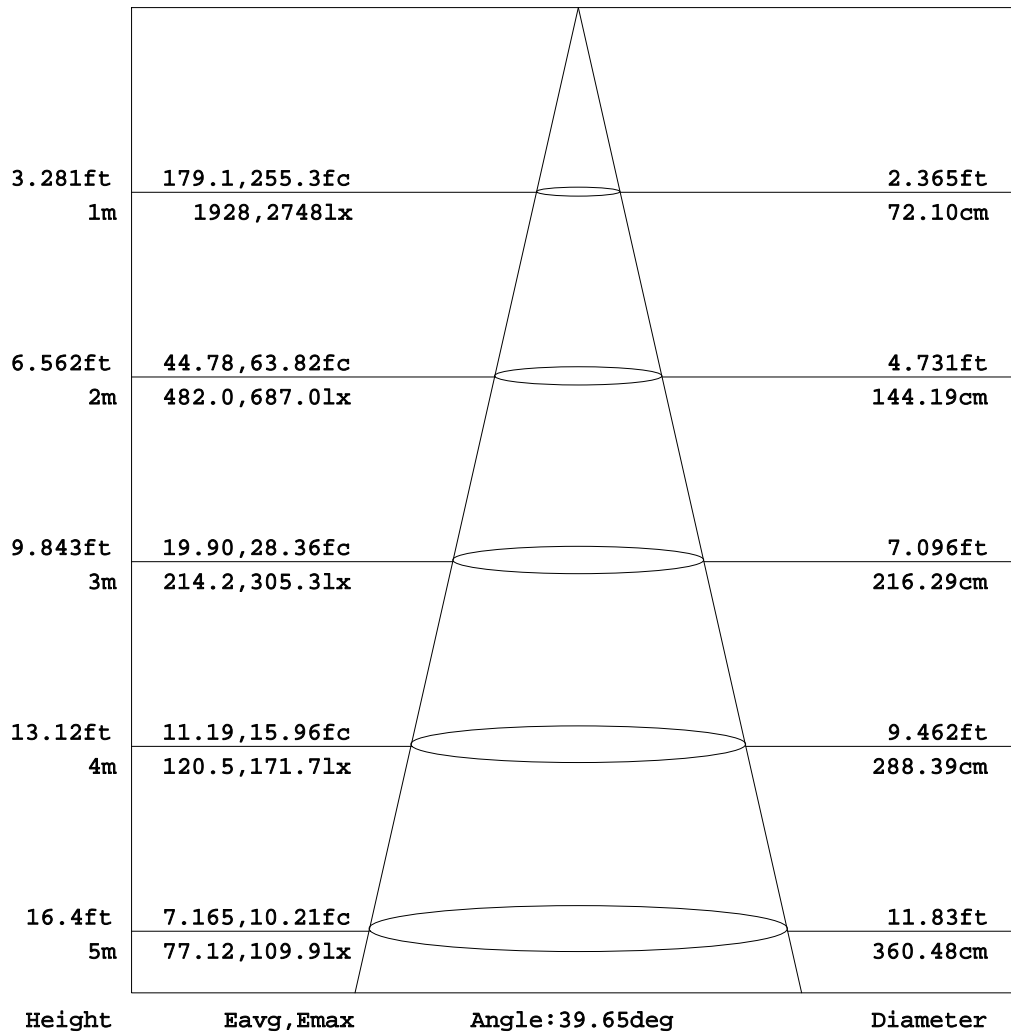
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

AAI Figure

| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| MFR.: NEKO LIGHTING AG | | |

Flux out:802.4 lm



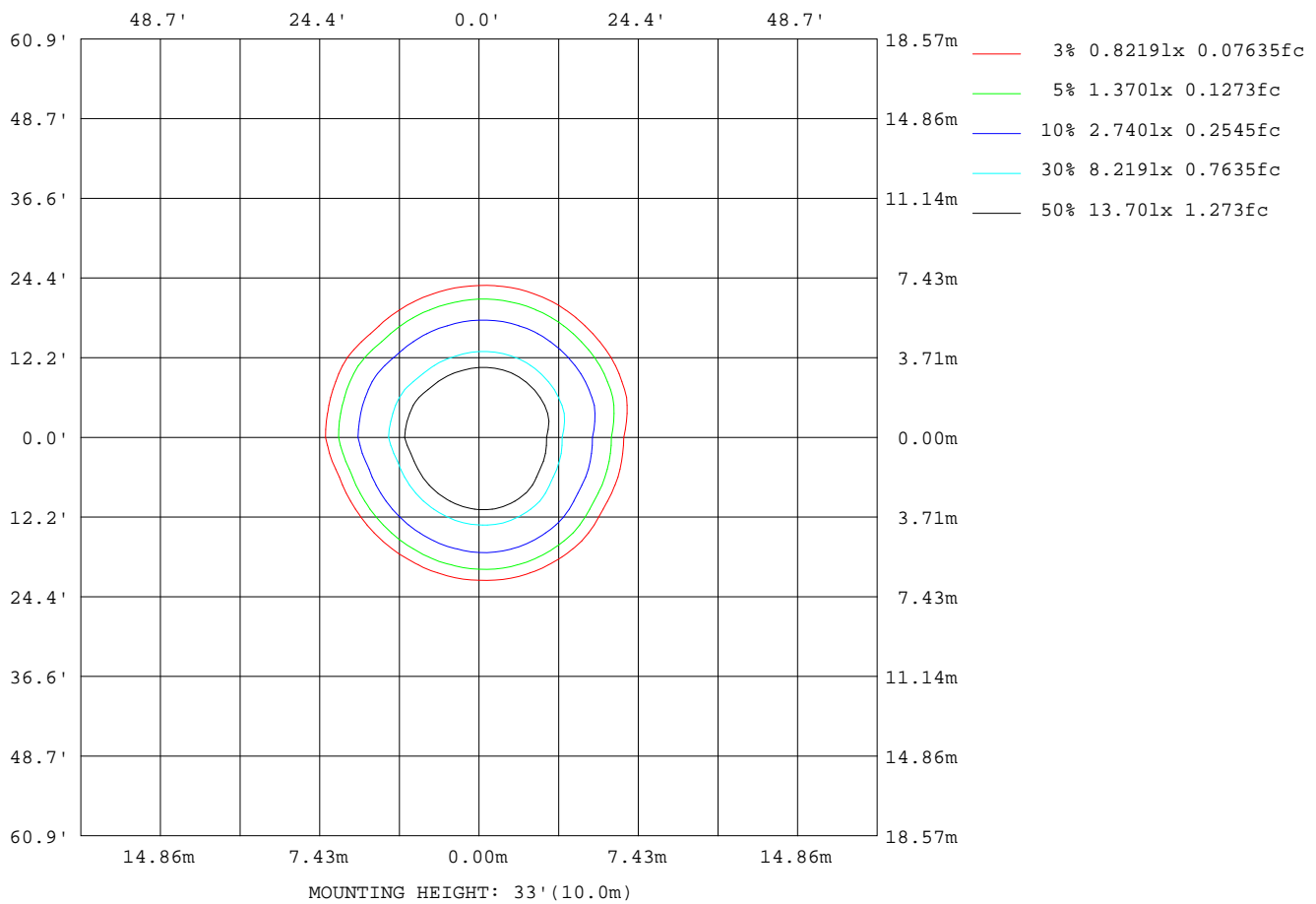
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

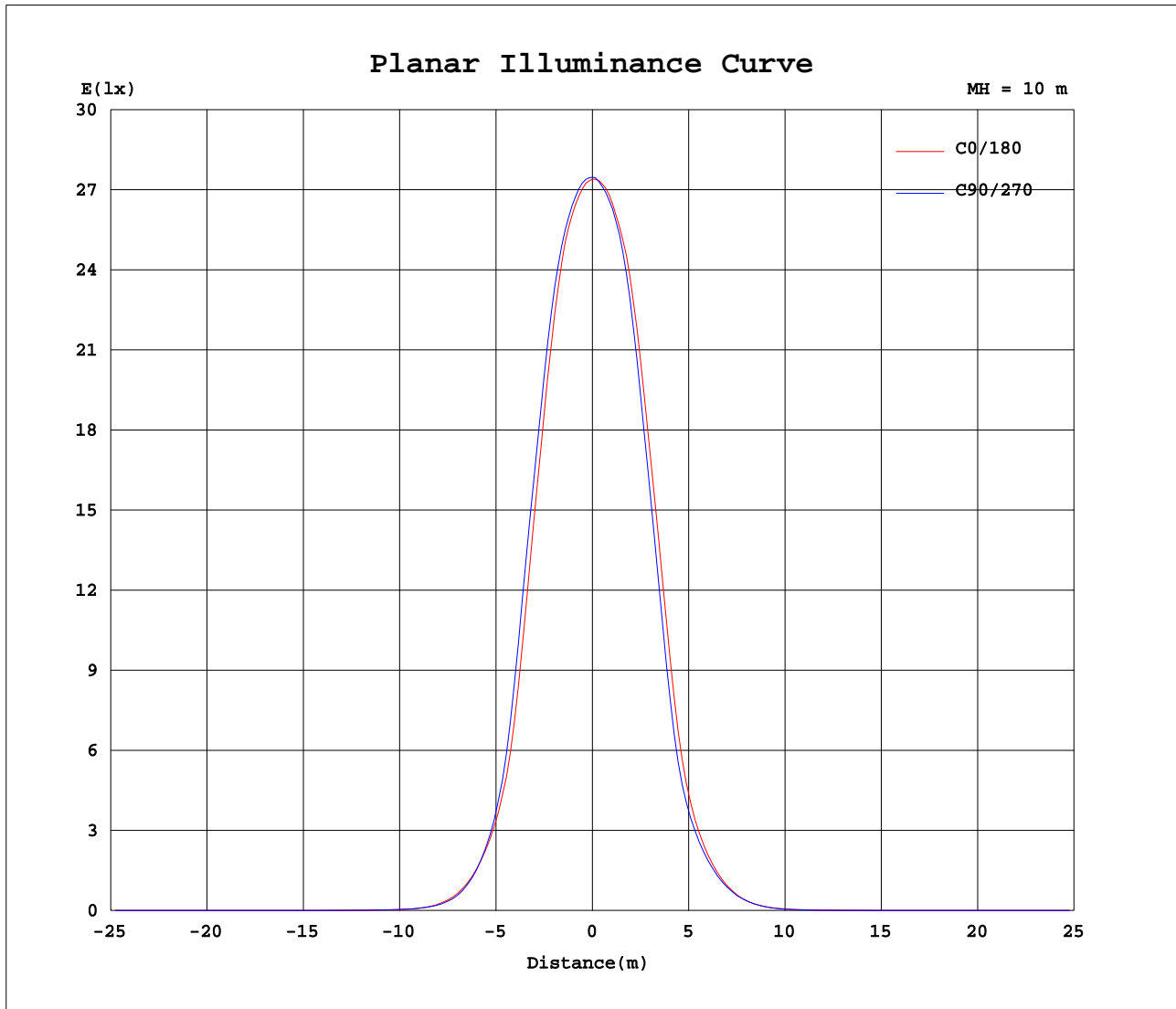
| | | |
|-------------------------------------------------------------------|----------------------------|-------------|
| Test:U:220.7V I:0.0943A P:19.53W PF:0.9285 Lamp Flux:1233.15x1 lm | | |
| NAME: S125S1-18W-930-M | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: L135mm*W135mm*H157mm | |
| MFR.: NEKO LIGHTING AG | | |



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C Interval: 15.0DEG
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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

Planar Illuminance Curve



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Test Speed: HIGH
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Test Date: 2017-07-17

γ Range: 0 - 90DEG
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γ Interval: 1.0DEG
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

| G/C | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 | 105.0 | 120.0 | 135.0 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0 | 2740 | 2741 | 2743 | 2748 | 2747 | 2748 | 2747 | 2746 | 2745 | 2744 |
| 3.0 | 2713 | 2717 | 2721 | 2737 | 2739 | 2738 | 2736 | 2731 | 2723 | 2722 |
| 6.0 | 2648 | 2654 | 2656 | 2686 | 2692 | 2688 | 2684 | 2676 | 2664 | 2658 |
| 9.0 | 2521 | 2541 | 2548 | 2596 | 2603 | 2604 | 2587 | 2567 | 2544 | 2535 |
| 12.0 | 2269 | 2297 | 2308 | 2406 | 2425 | 2423 | 2398 | 2358 | 2324 | 2308 |
| 15.0 | 1916 | 1946 | 1961 | 2096 | 2116 | 2118 | 2079 | 2034 | 1990 | 1973 |
| 18.0 | 1503 | 1547 | 1563 | 1712 | 1739 | 1738 | 1701 | 1647 | 1592 | 1570 |
| 21.0 | 1034 | 1067 | 1080 | 1249 | 1281 | 1281 | 1231 | 1173 | 1112 | 1094 |
| 24.0 | 658.6 | 677.0 | 682.6 | 790.7 | 811.5 | 814.7 | 775.2 | 731.6 | 692.8 | 686.0 |
| 27.0 | 445.1 | 450.8 | 448.3 | 501.4 | 508.4 | 502.7 | 479.1 | 453.9 | 435.6 | 433.8 |
| 30.0 | 290.8 | 292.0 | 285.1 | 318.6 | 317.8 | 310.4 | 293.8 | 277.0 | 265.0 | 266.8 |
| 33.0 | 173.8 | 171.5 | 164.9 | 184.4 | 181.0 | 174.3 | 163.1 | 154.1 | 148.9 | 152.9 |
| 36.0 | 93.76 | 91.91 | 86.33 | 96.85 | 93.99 | 88.41 | 82.29 | 79.16 | 78.83 | 81.25 |
| 39.0 | 45.97 | 45.89 | 44.02 | 49.08 | 47.69 | 44.64 | 41.59 | 40.73 | 41.56 | 43.20 |
| 42.0 | 21.11 | 22.42 | 23.59 | 26.51 | 26.10 | 24.14 | 22.00 | 22.21 | 23.46 | 24.39 |
| 45.0 | 10.55 | 11.97 | 13.62 | 16.07 | 15.58 | 13.84 | 12.49 | 13.04 | 14.16 | 14.84 |
| 48.0 | 6.303 | 6.889 | 8.354 | 10.51 | 9.871 | 8.363 | 7.469 | 8.048 | 8.994 | 9.684 |
| 51.0 | 4.312 | 4.464 | 5.180 | 6.801 | 6.240 | 5.213 | 4.976 | 4.986 | 5.851 | 6.488 |
| 54.0 | 2.477 | 2.740 | 3.314 | 4.219 | 3.932 | 3.564 | 3.256 | 3.428 | 3.778 | 4.237 |
| 57.0 | 1.198 | 1.412 | 1.929 | 2.690 | 2.535 | 1.997 | 1.739 | 1.943 | 2.473 | 2.806 |
| 60.0 | 0.4197 | 0.5492 | 0.9190 | 1.486 | 1.318 | 0.9269 | 0.7592 | 0.9249 | 1.342 | 1.689 |
| 63.0 | 0.2013 | 0.1726 | 0.3277 | 0.6541 | 0.5666 | 0.2746 | 0.2460 | 0.3032 | 0.5971 | 0.8112 |
| 66.0 | 0.1685 | 0.1442 | 0.1510 | 0.2093 | 0.1736 | 0.1705 | 0.2122 | 0.2054 | 0.2391 | 0.3033 |
| 69.0 | 0.1183 | 0.1046 | 0.1182 | 0.1027 | 0.1487 | 0.1354 | 0.1598 | 0.1528 | 0.1926 | 0.1792 |
| 72.0 | 0.0634 | 0.0568 | 0.0616 | 0.0677 | 0.1053 | 0.0503 | 0.0635 | 0.0590 | 0.1184 | 0.1135 |
| 75.0 | 0.0612 | 0.0568 | 0.0547 | 0.0481 | 0.0503 | 0.0503 | 0.0612 | 0.0590 | 0.0612 | 0.0590 |
| 78.0 | 0.0612 | 0.0568 | 0.0525 | 0.0481 | 0.0503 | 0.0503 | 0.0612 | 0.0590 | 0.0590 | 0.0590 |
| 81.0 | 0.0612 | 0.0568 | 0.0525 | 0.0503 | 0.0503 | 0.0503 | 0.0590 | 0.0590 | 0.0569 | 0.0612 |
| 84.0 | 0.0590 | 0.0568 | 0.0525 | 0.0525 | 0.0503 | 0.0503 | 0.0590 | 0.0590 | 0.0568 | 0.0634 |
| 87.0 | 0.0590 | 0.0590 | 0.0525 | 0.0525 | 0.0503 | 0.0503 | 0.0590 | 0.0590 | 0.0568 | 0.0634 |
| 90.0 | 0.0590 | 0.0590 | 0.0525 | 0.0525 | 0.0503 | 0.0503 | 0.0590 | 0.0590 | 0.0568 | 0.0634 |

| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0 | 2744 | 2743 | 2740 | 2741 | 2743 | 2748 | 2747 | 2746 | 2745 | 2744 |
| 3.0 | 2719 | 2720 | 2732 | 2734 | 2733 | 2723 | 2720 | 2724 | 2722 | 2730 |
| 6.0 | 2654 | 2658 | 2691 | 2687 | 2687 | 2665 | 2661 | 2659 | 2671 | 2677 |
| 9.0 | 2534 | 2545 | 2607 | 2602 | 2599 | 2554 | 2548 | 2545 | 2561 | 2585 |
| 12.0 | 2299 | 2319 | 2443 | 2428 | 2416 | 2322 | 2310 | 2305 | 2338 | 2373 |
| 15.0 | 1958 | 1982 | 2154 | 2122 | 2112 | 1979 | 1967 | 1957 | 1998 | 2044 |
| 18.0 | 1558 | 1585 | 1785 | 1750 | 1734 | 1582 | 1569 | 1565 | 1604 | 1655 |
| 21.0 | 1082 | 1111 | 1341 | 1295 | 1282 | 1110 | 1096 | 1094 | 1139 | 1193 |
| 24.0 | 682.7 | 708.5 | 881.3 | 849.5 | 833.9 | 708.5 | 698.0 | 697.1 | 730.0 | 768.1 |
| 27.0 | 440.5 | 465.3 | 573.0 | 557.4 | 552.0 | 481.5 | 477.5 | 474.7 | 491.7 | 512.4 |
| 30.0 | 275.8 | 297.7 | 380.2 | 377.5 | 376.3 | 327.1 | 326.4 | 327.0 | 339.3 | 350.7 |
| 33.0 | 160.6 | 177.6 | 240.9 | 240.9 | 243.0 | 207.0 | 208.1 | 211.4 | 220.9 | 230.3 |
| 36.0 | 86.20 | 96.14 | 140.5 | 140.1 | 145.7 | 120.8 | 125.9 | 125.8 | 133.3 | 139.6 |
| 39.0 | 45.80 | 49.90 | 71.79 | 74.48 | 77.53 | 66.41 | 67.69 | 69.44 | 71.56 | 78.09 |
| 42.0 | 25.41 | 25.89 | 35.02 | 36.65 | 39.69 | 33.59 | 34.64 | 32.46 | 33.47 | 38.08 |
| 45.0 | 14.77 | 13.82 | 17.50 | 18.17 | 21.05 | 18.26 | 17.94 | 15.39 | 15.24 | 17.86 |
| 48.0 | 9.097 | 7.991 | 9.253 | 9.973 | 11.90 | 11.04 | 10.22 | 8.435 | 7.849 | 9.230 |
| 51.0 | 5.831 | 4.954 | 5.738 | 6.031 | 7.255 | 6.981 | 6.174 | 5.120 | 5.103 | 5.436 |
| 54.0 | 3.760 | 3.385 | 4.034 | 4.080 | 4.604 | 4.386 | 3.902 | 3.403 | 3.267 | 3.652 |
| 57.0 | 2.436 | 1.875 | 2.249 | 2.392 | 2.994 | 2.822 | 2.472 | 1.801 | 1.684 | 1.994 |
| 60.0 | 1.285 | 0.8680 | 1.094 | 1.198 | 1.666 | 1.570 | 1.267 | 0.7935 | 0.6991 | 0.8703 |
| 63.0 | 0.5622 | 0.2793 | 0.3614 | 0.4392 | 0.7495 | 0.7192 | 0.5314 | 0.2395 | 0.1813 | 0.2485 |
| 66.0 | 0.2324 | 0.2011 | 0.2033 | 0.2187 | 0.2507 | 0.2851 | 0.1748 | 0.1837 | 0.1573 | 0.1706 |
| 69.0 | 0.1881 | 0.1659 | 0.1770 | 0.1946 | 0.1638 | 0.1750 | 0.1441 | 0.1488 | 0.1200 | 0.1400 |
| 72.0 | 0.1227 | 0.0699 | 0.1110 | 0.1337 | 0.1265 | 0.1292 | 0.0892 | 0.0638 | 0.0437 | 0.0529 |
| 75.0 | 0.0590 | 0.0700 | 0.0634 | 0.0700 | 0.0503 | 0.0570 | 0.0481 | 0.0568 | 0.0437 | 0.0481 |
| 78.0 | 0.0590 | 0.0700 | 0.0634 | 0.0700 | 0.0503 | 0.0547 | 0.0481 | 0.0568 | 0.0437 | 0.0481 |
| 81.0 | 0.0590 | 0.0700 | 0.0612 | 0.0700 | 0.0503 | 0.0525 | 0.0481 | 0.0525 | 0.0437 | 0.0481 |
| 84.0 | 0.0590 | 0.0700 | 0.0568 | 0.0678 | 0.0503 | 0.0525 | 0.0481 | 0.0503 | 0.0437 | 0.0481 |
| 87.0 | 0.0590 | 0.0700 | 0.0568 | 0.0656 | 0.0503 | 0.0525 | 0.0481 | 0.0503 | 0.0437 | 0.0437 |
| 90.0 | 0.0634 | 0.0700 | 0.0568 | 0.0590 | 0.0503 | 0.0525 | 0.0481 | 0.0437 | 0.0437 | 0.0415 |

| G/C | 300.0 | 315.0 | 330.0 | 345.0 |
|------|-------|-------|-------|-------|
| 0.0 | 2745 | 2744 | 2744 | 2743 |
| 3.0 | 2735 | 2736 | 2735 | 2737 |
| 6.0 | 2690 | 2691 | 2692 | 2688 |
| 9.0 | 2601 | 2606 | 2609 | 2604 |
| 12.0 | 2408 | 2418 | 2427 | 2406 |
| 15.0 | 2086 | 2105 | 2122 | 2097 |
| 18.0 | 1701 | 1721 | 1733 | 1713 |
| 21.0 | 1246 | 1270 | 1286 | 1259 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Meng Yongjian
 Test Date: 2017-07-17

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity: 52%
 Test Distance: 5.850m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

| | | | | |
|------|--------|--------|--------|--------|
| 24.0 | 809.5 | 829.7 | 845.6 | 820.5 |
| 27.0 | 531.0 | 540.0 | 549.1 | 539.0 |
| 30.0 | 363.4 | 366.1 | 373.3 | 364.9 |
| 33.0 | 236.3 | 237.6 | 241.9 | 232.6 |
| 36.0 | 146.5 | 143.2 | 147.0 | 136.4 |
| 39.0 | 82.48 | 81.49 | 81.28 | 73.47 |
| 42.0 | 43.83 | 43.72 | 42.76 | 35.04 |
| 45.0 | 22.27 | 23.25 | 21.63 | 16.37 |
| 48.0 | 11.99 | 13.07 | 11.62 | 8.817 |
| 51.0 | 6.922 | 7.922 | 6.796 | 5.331 |
| 54.0 | 4.232 | 4.818 | 4.244 | 3.584 |
| 57.0 | 2.700 | 3.047 | 2.717 | 1.993 |
| 60.0 | 1.448 | 1.761 | 1.472 | 0.8943 |
| 63.0 | 0.5923 | 0.8202 | 0.6141 | 0.2595 |
| 66.0 | 0.1550 | 0.2942 | 0.1615 | 0.1685 |
| 69.0 | 0.1201 | 0.1379 | 0.1136 | 0.1444 |
| 72.0 | 0.0806 | 0.1094 | 0.0806 | 0.0638 |
| 75.0 | 0.0415 | 0.0549 | 0.0481 | 0.0568 |
| 78.0 | 0.0415 | 0.0503 | 0.0481 | 0.0568 |
| 81.0 | 0.0415 | 0.0503 | 0.0481 | 0.0547 |
| 84.0 | 0.0415 | 0.0503 | 0.0481 | 0.0503 |
| 87.0 | 0.0415 | 0.0503 | 0.0481 | 0.0503 |
| 90.0 | 0.0415 | 0.0481 | 0.0481 | 0.0437 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-07-17

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks: