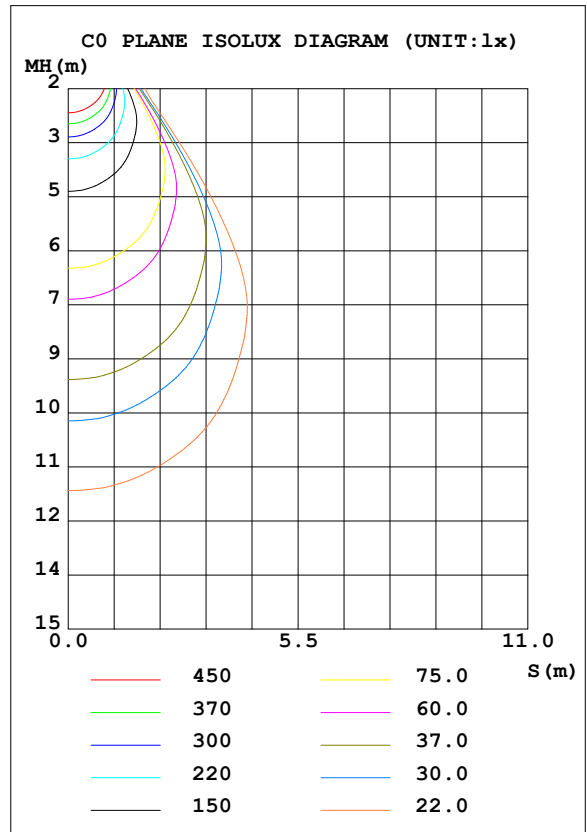
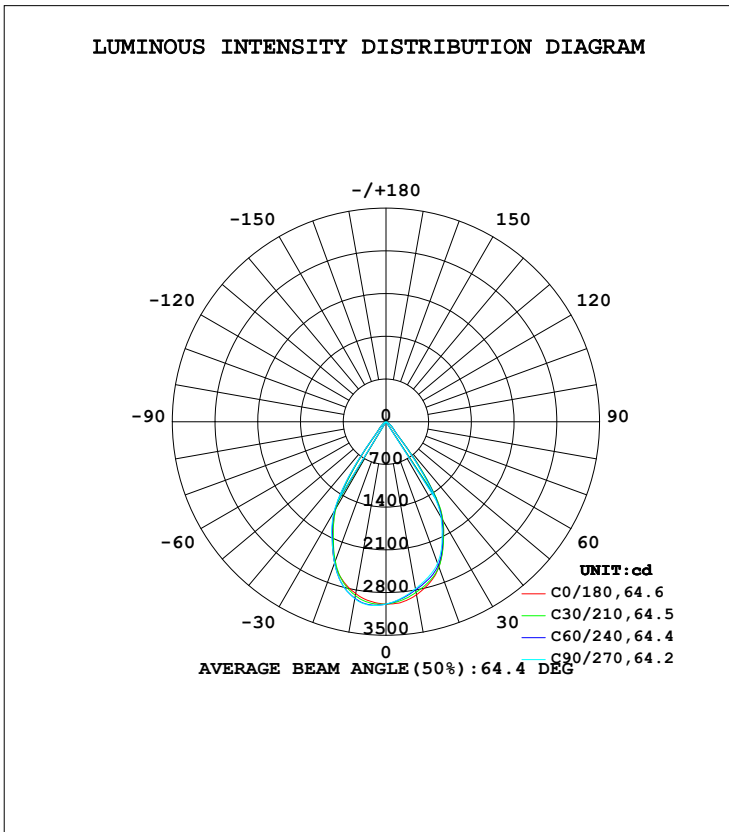


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 105.81 lm/W | | | |
|-------------------|---------------|-----------------------------------|--------|---------------------|----------|
| MODEL | CITIZEN-3000K | I _{max} (cd) | 3019 | S/MH (C0/180) | 0.91 |
| NOMINAL POWER (W) | 27 | LOR (%) | 100.0 | S/MH (C90/270) | 0.93 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 2854.1 | η UP, DN (C0-180) | 0.0,51.1 |
| NOMINAL FLUX (lm) | 2854.14 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0,48.9 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | CIBSE SHR MAX | 0.95 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jasoan
 Test Date: 2023-04-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 58%
 Test Distance: 8.967m [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 | 2880 | 2818 | 2781 | 2814 | 2859 | 2914 | 2945 | 2926 | 0- 10 | 279.7 | 279.7 | 9.8,9.8 |
| 20 | 2532 | 2518 | 2469 | 2436 | 2460 | 2446 | 2468 | 2520 | 10- 20 | 760.2 | 1040 | 36.4,36.4 |
| 30 | 1860 | 1846 | 1804 | 1715 | 1669 | 1661 | 1705 | 1812 | 20- 30 | 977.8 | 2018 | 70.7,70.7 |
| 40 | 365.9 | 372.0 | 338.9 | 282.5 | 249.2 | 229.9 | 250.8 | 309.5 | 30- 40 | 623.8 | 2642 | 92.6,92.6 |
| 50 | 116.0 | 121.8 | 118.2 | 112.0 | 98.01 | 85.24 | 92.36 | 108.0 | 40- 50 | 133.4 | 2775 | 97.2,97.2 |
| 60 | 34.16 | 35.43 | 33.35 | 31.88 | 26.79 | 21.88 | 24.40 | 30.19 | 50- 60 | 55.65 | 2831 | 99.2,99.2 |
| 70 | 12.17 | 12.75 | 11.82 | 10.87 | 8.910 | 7.108 | 8.093 | 10.50 | 60- 70 | 18.75 | 2849 | 99.8,99.8 |
| 80 | 0.7725 | 0.6735 | 0.5568 | 0.3835 | 0.2494 | 0.2698 | 0.3124 | 0.5480 | 70- 80 | 4.598 | 2854 | 100,100 |
| 90 | 0.1087 | 0.1035 | 0.0925 | 0.1090 | 0.1250 | 0.1253 | 0.1306 | 0.1308 | 80- 90 | 0.1794 | 2854 | 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): 2720.4 lm

%lum = 95.3%
%lamp = 95.3%

Conical surface Flux(120deg): 2830.6 lm

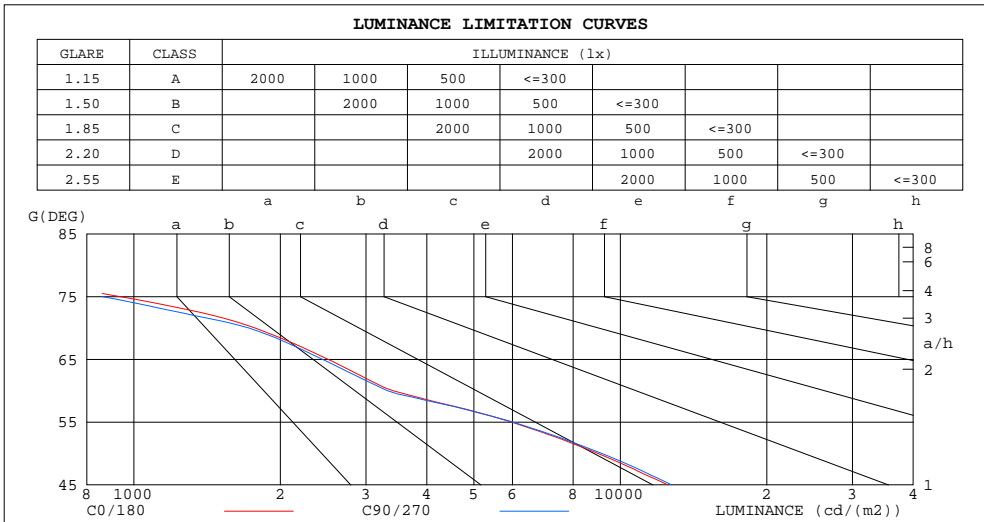
%lum = 99.2%
%lamp = 99.2%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-04-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 93 | 53 |
| 80 | 222 | 160 |
| 75 | 935 | 860 |
| 70 | 1773 | 1721 |
| 65 | 2507 | 2441 |
| 60 | 3406 | 3320 |
| 55 | 5975 | 6010 |
| 50 | 8997 | 9158 |
| 45 | 12527 | 12755 |

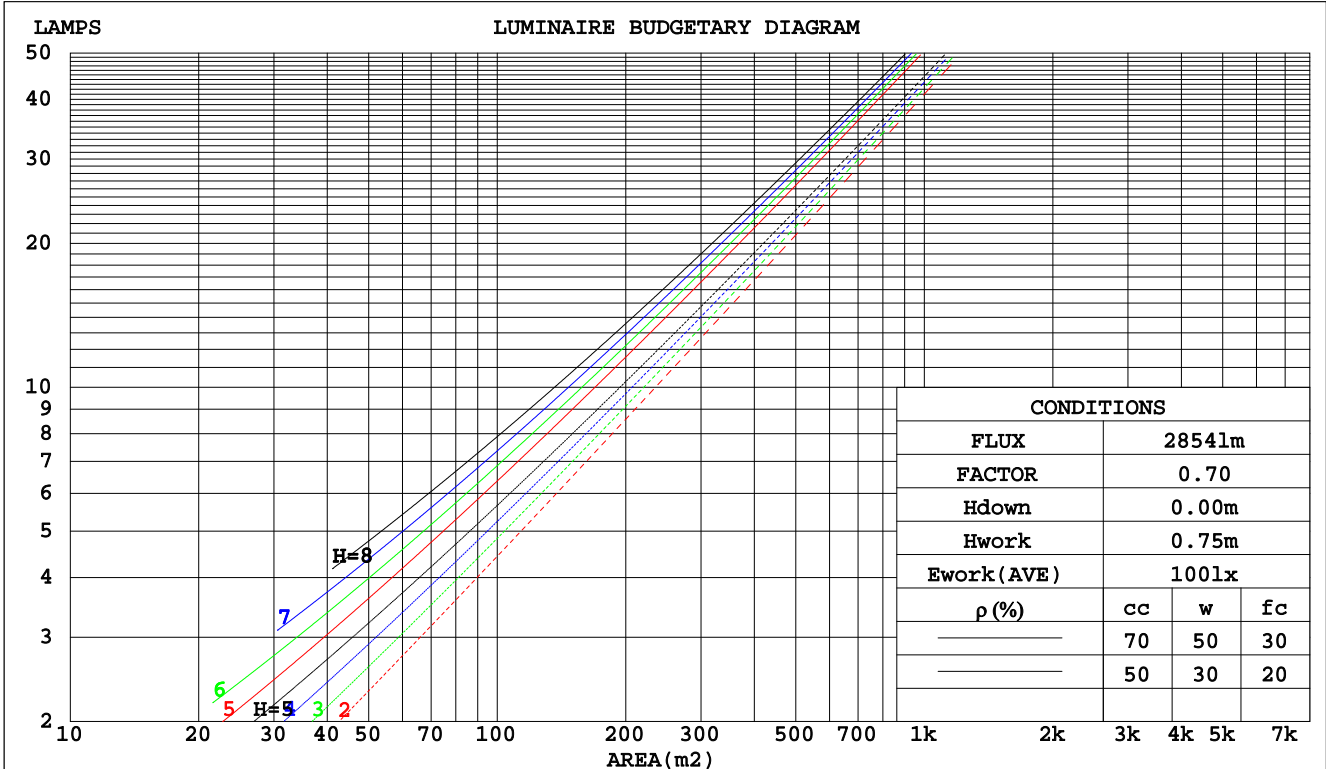
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2023-04-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:58%
 Test Distance:8.967m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

| pcc | 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 | 1.11 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.03 | 1.01 | 1.01 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.03 | .99 | .95 | 1.01 | .97 | .94 | .98 | .95 | .92 | .95 | .92 | .90 | .92 | .90 | .88 | .87 |
| 3.0 | .96 | .91 | .87 | .94 | .90 | .86 | .92 | .88 | .85 | .89 | .86 | .83 | .87 | .84 | .82 | .80 |
| 4.0 | .89 | .84 | .79 | .88 | .83 | .79 | .86 | .82 | .78 | .84 | .80 | .77 | .82 | .79 | .76 | .75 |
| 5.0 | .83 | .78 | .73 | .83 | .77 | .73 | .81 | .76 | .72 | .79 | .75 | .72 | .78 | .74 | .71 | .69 |
| 6.0 | .78 | .72 | .68 | .77 | .72 | .68 | .76 | .71 | .67 | .75 | .70 | .67 | .73 | .69 | .66 | .65 |
| 7.0 | .73 | .67 | .63 | .73 | .67 | .63 | .72 | .66 | .63 | .70 | .66 | .62 | .69 | .65 | .62 | .61 |
| 8.0 | .69 | .63 | .59 | .69 | .63 | .59 | .67 | .62 | .59 | .66 | .62 | .58 | .65 | .61 | .58 | .57 |
| 9.0 | .65 | .59 | .55 | .65 | .59 | .55 | .64 | .59 | .55 | .63 | .58 | .55 | .62 | .58 | .55 | .53 |
| 10.0 | .62 | .56 | .52 | .61 | .56 | .52 | .60 | .55 | .52 | .60 | .55 | .51 | .59 | .54 | .51 | .50 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-04-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| 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 | .180 | .103 | .032 | .174 | .099 | .031 | .161 | .092 | .029 | .149 | .086 | .028 | .139 | .080 | .026 | |
| 2.0 | .173 | .095 | .029 | .168 | .092 | .028 | .157 | .087 | .027 | .147 | .083 | .026 | .138 | .078 | .025 | |
| 3.0 | .165 | .088 | .026 | .160 | .086 | .026 | .151 | .082 | .025 | .143 | .078 | .024 | .135 | .075 | .023 | |
| 4.0 | .158 | .082 | .024 | .153 | .080 | .024 | .146 | .077 | .023 | .138 | .074 | .022 | .132 | .071 | .022 | |
| 5.0 | .150 | .077 | .022 | .147 | .075 | .022 | .140 | .073 | .021 | .133 | .070 | .021 | .127 | .068 | .020 | |
| 6.0 | .144 | .072 | .021 | .140 | .071 | .020 | .134 | .069 | .020 | .129 | .067 | .020 | .123 | .065 | .019 | |
| 7.0 | .137 | .068 | .019 | .134 | .067 | .019 | .129 | .065 | .019 | .124 | .064 | .018 | .119 | .062 | .018 | |
| 8.0 | .131 | .064 | .018 | .129 | .063 | .018 | .124 | .062 | .018 | .120 | .061 | .017 | .115 | .059 | .017 | |
| 9.0 | .126 | .061 | .017 | .124 | .060 | .017 | .119 | .059 | .017 | .115 | .058 | .017 | .111 | .057 | .016 | |
| 10.0 | .121 | .058 | .016 | .119 | .057 | .016 | .115 | .056 | .016 | .111 | .055 | .016 | .108 | .054 | .016 | |

| 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 | .171 | .157 | .145 | .147 | .135 | .124 | .100 | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 | |
| 2.0 | .156 | .132 | .112 | .134 | .114 | .097 | .092 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .144 | .114 | .089 | .124 | .098 | .077 | .085 | .068 | .054 | .049 | .040 | .032 | .016 | .013 | .010 | |
| 4.0 | .134 | .099 | .072 | .115 | .085 | .063 | .079 | .060 | .044 | .046 | .035 | .026 | .015 | .011 | .009 | |
| 5.0 | .126 | .087 | .059 | .108 | .076 | .051 | .074 | .053 | .036 | .043 | .031 | .022 | .014 | .010 | .007 | |
| 6.0 | .119 | .078 | .049 | .102 | .068 | .043 | .070 | .047 | .030 | .041 | .028 | .018 | .013 | .009 | .006 | |
| 7.0 | .112 | .071 | .042 | .096 | .061 | .036 | .067 | .043 | .026 | .039 | .025 | .015 | .013 | .008 | .005 | |
| 8.0 | .107 | .065 | .036 | .092 | .056 | .031 | .063 | .039 | .022 | .037 | .023 | .013 | .012 | .008 | .004 | |
| 9.0 | .102 | .059 | .031 | .087 | .052 | .027 | .061 | .036 | .019 | .035 | .021 | .011 | .011 | .007 | .004 | |
| 10.0 | .097 | .055 | .027 | .084 | .048 | .024 | .058 | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2023-04-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:58%
 Test Distance:8.967m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| 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 | 15.5 | 16.5 | 15.8 | 16.7 | 16.8 | 15.2 | 16.2 | 15.5 | 16.4 | 16.6 |
| 3H | 15.4 | 16.3 | 15.7 | 16.5 | 16.7 | 15.1 | 16.0 | 15.4 | 16.2 | 16.4 |
| 4H | 15.3 | 16.2 | 15.6 | 16.4 | 16.6 | 15.0 | 15.9 | 15.3 | 16.1 | 16.3 |
| 6H | 15.2 | 16.0 | 15.5 | 16.3 | 16.5 | 14.9 | 15.7 | 15.2 | 16.0 | 16.2 |
| 8H | 15.2 | 15.9 | 15.5 | 16.2 | 16.5 | 14.9 | 15.7 | 15.2 | 15.9 | 16.2 |
| 12H | 15.1 | 15.9 | 15.5 | 16.1 | 16.4 | 14.9 | 15.6 | 15.2 | 15.8 | 16.1 |
| 4H 2H | 15.3 | 16.2 | 15.6 | 16.4 | 16.6 | 15.0 | 15.9 | 15.3 | 16.1 | 16.3 |
| 3H | 15.2 | 15.9 | 15.5 | 16.2 | 16.5 | 14.9 | 15.6 | 15.2 | 15.9 | 16.2 |
| 4H | 15.1 | 15.8 | 15.5 | 16.1 | 16.4 | 14.8 | 15.5 | 15.2 | 15.8 | 16.1 |
| 6H | 15.0 | 15.6 | 15.4 | 15.9 | 16.3 | 14.7 | 15.3 | 15.1 | 15.6 | 16.0 |
| 8H | 15.0 | 15.5 | 15.4 | 15.8 | 16.2 | 14.7 | 15.2 | 15.1 | 15.6 | 15.9 |
| 12H | 14.9 | 15.4 | 15.3 | 15.8 | 16.2 | 14.6 | 15.1 | 15.0 | 15.5 | 15.9 |
| 8H 4H | 15.0 | 15.5 | 15.4 | 15.9 | 16.2 | 14.7 | 15.2 | 15.1 | 15.6 | 15.9 |
| 6H | 14.9 | 15.3 | 15.3 | 15.7 | 16.1 | 14.6 | 15.0 | 15.0 | 15.4 | 15.8 |
| 8H | 14.8 | 15.2 | 15.3 | 15.6 | 16.1 | 14.5 | 14.9 | 15.0 | 15.3 | 15.8 |
| 12H | 14.8 | 15.1 | 15.2 | 15.5 | 16.0 | 14.5 | 14.8 | 15.0 | 15.3 | 15.7 |
| 12H 4H | 14.9 | 15.4 | 15.3 | 15.8 | 16.2 | 14.6 | 15.1 | 15.1 | 15.5 | 15.9 |
| 6H | 14.8 | 15.2 | 15.3 | 15.6 | 16.1 | 14.5 | 14.9 | 15.0 | 15.3 | 15.8 |
| 8H | 14.8 | 15.1 | 15.2 | 15.5 | 16.0 | 14.5 | 14.8 | 15.0 | 15.3 | 15.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 3.8 / - 6.9 | | | | | + 3.7 / - 6.5 | | | | |
| 1.5H | + 5.7 / - 4.7 | | | | | + 5.6 / - 4.3 | | | | |
| 2.0H | + 3.5 / - 4.3 | | | | | + 3.6 / - 4.3 | | | | |

CIE Pub.117, 2854 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.6)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2023-04-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:58%
 Test Distance:8.967m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
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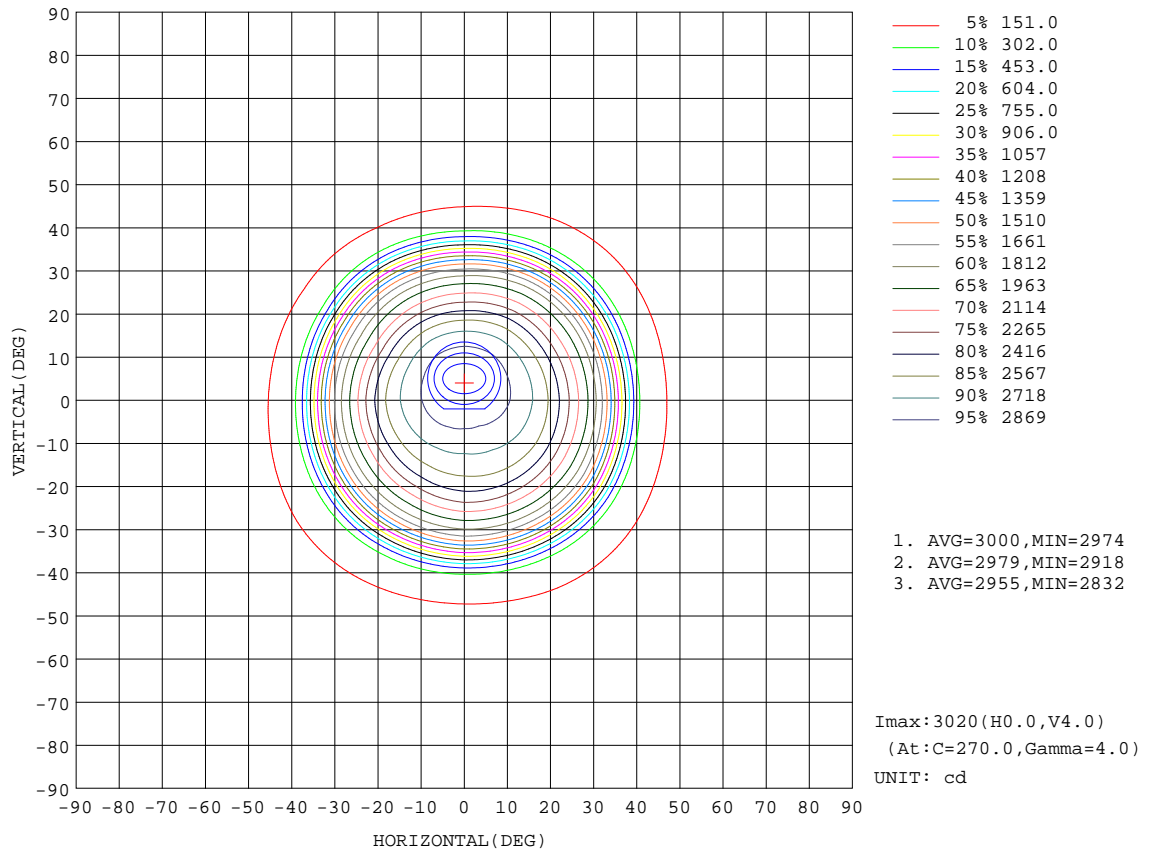
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 87 | 80 | 77 | 86 | 80 | 76 | 86 | 80 | 76 | 73 |
| 0.80 | 94 | 88 | 85 | 94 | 88 | 85 | 92 | 87 | 84 | 80 |
| 1.00 | 99 | 93 | 90 | 98 | 93 | 89 | 97 | 93 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 106 | 101 | 98 | 105 | 100 | 97 | 102 | 99 | 96 | 92 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 99 | 94 |
| 2.50 | 110 | 106 | 103 | 109 | 105 | 102 | 105 | 103 | 101 | 95 |
| 3.00 | 112 | 108 | 106 | 110 | 107 | 105 | 107 | 104 | 102 | 96 |
| 4.00 | 114 | 111 | 109 | 112 | 109 | 107 | 108 | 106 | 105 | 98 |
| 5.00 | 115 | 113 | 111 | 113 | 111 | 109 | 109 | 107 | 106 | 99 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2023-04-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:58%
 Test Distance:8.967m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
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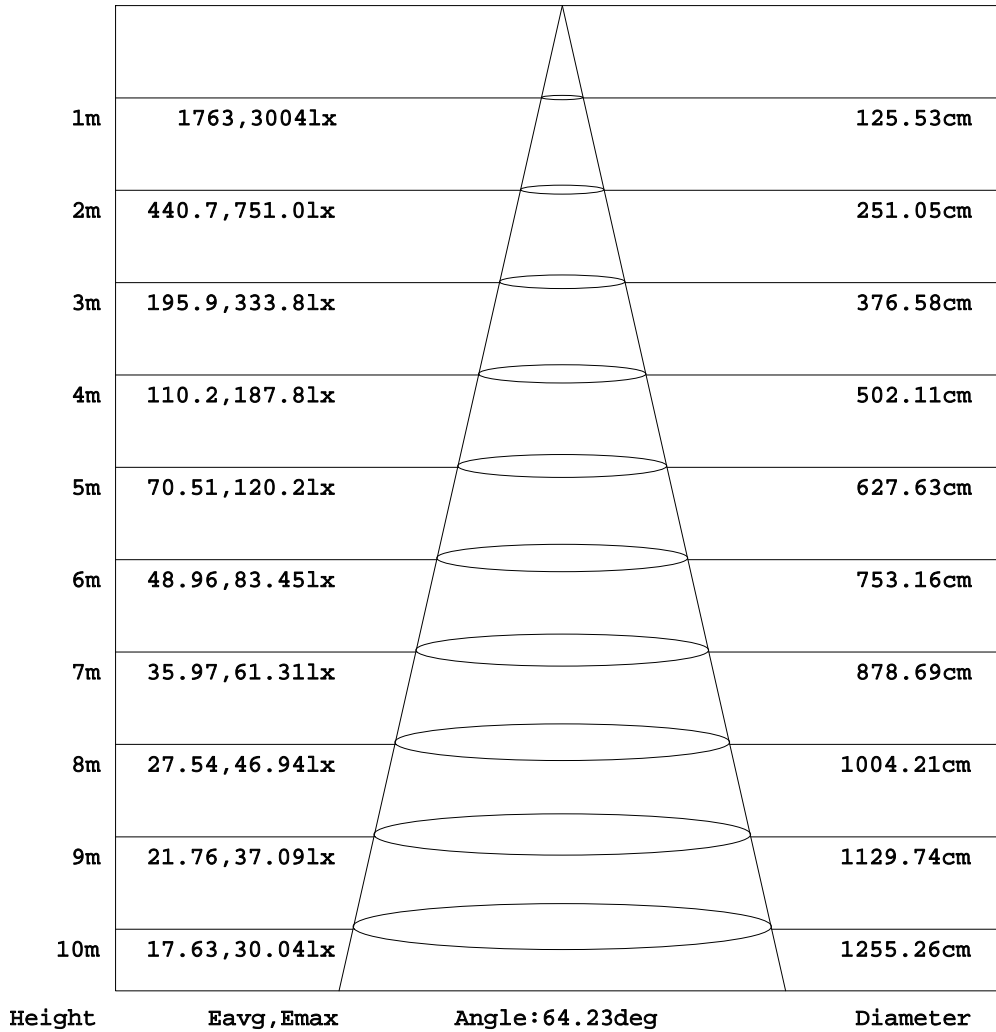
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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Test Date: 2023-04-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 58%
Test Distance: 8.967m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

Flux out:2248 lm



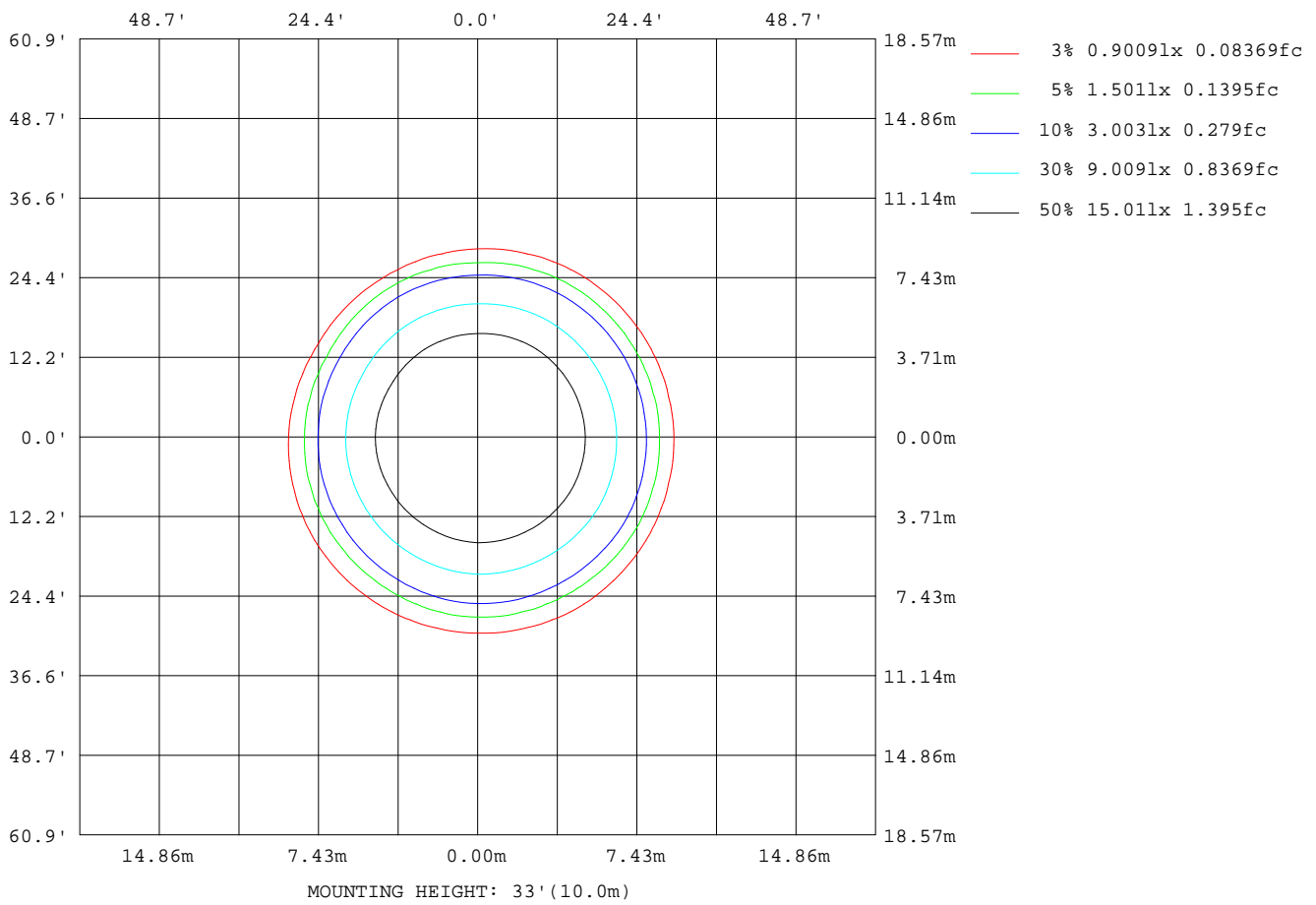
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-04-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|---------------------|-------------|
| Test:U:220.9V I:0.1249A P:26.97W PF:0.9779 Freq:59.98Hz Lamp Flux:2854.14x1 lm | | |
| NAME: T150 Pro-24W-830-65 | TYPE:Downlight | SERIAL No.: |
| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
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γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:58%
 Test Distance:8.967m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|---------------------|-------------|
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| SPEC.:3000K | DIM.: φ160mm*H100mm | |
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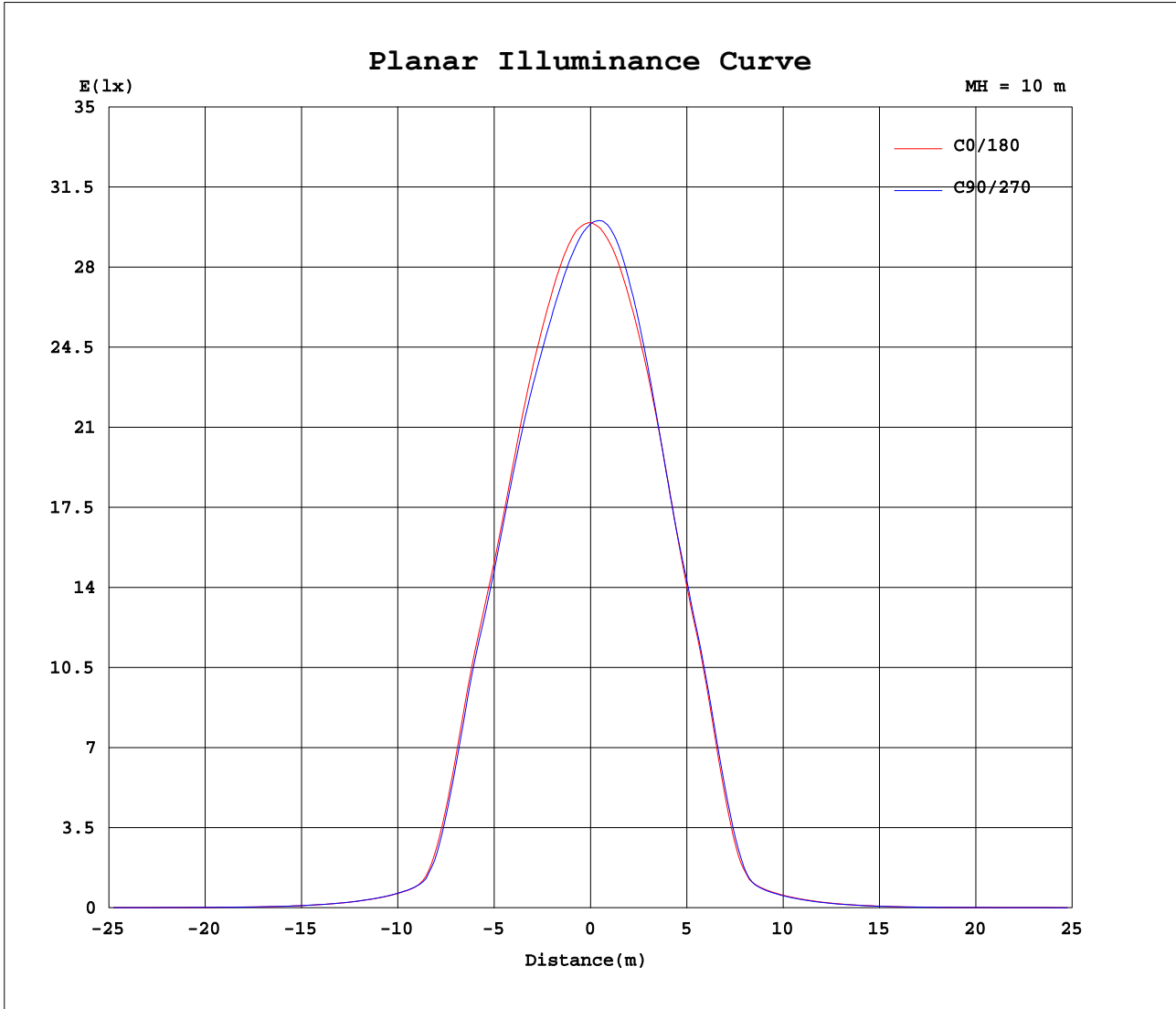
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 2238 |
| L_0~180 (75) av | 774 |
| L_0~180 (85) av | 82 |
| L_90~270 (65) av | 2111 |
| L_90~270 (75) av | 711 |
| L_90~270 (85) av | 72 |
| L_45 (65) av | 2189 |
| L_45 (75) av | 745 |
| L_45 (85) av | 76 |

Standard: GB/T 29293-2012

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γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
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Remarks:

Planar Illuminance Curve



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 C Interval: 30.0DEG
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 Temperature: 25.3DEG
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γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 58%
 Test Distance: 8.967m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|---------------------|-------------|
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| SPEC.:3000K | DIM.: φ160mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | 2988 | | | | | | | |
| 5 | 2968 | 2936 | 2910 | 2902 | 2914 | 2940 | 2953 | 2981 | 3011 | 3019 | 3008 | 2985 | | | | | | | |
| 10 | 2880 | 2838 | 2797 | 2781 | 2794 | 2835 | 2859 | 2890 | 2938 | 2945 | 2940 | 2912 | | | | | | | |
| 15 | 2739 | 2714 | 2676 | 2646 | 2648 | 2678 | 2706 | 2721 | 2762 | 2765 | 2779 | 2762 | | | | | | | |
| 20 | 2532 | 2533 | 2504 | 2469 | 2435 | 2438 | 2460 | 2431 | 2462 | 2468 | 2515 | 2524 | | | | | | | |
| 25 | 2214 | 2222 | 2196 | 2172 | 2104 | 2078 | 2082 | 2044 | 2084 | 2101 | 2161 | 2184 | | | | | | | |
| 30 | 1860 | 1863 | 1829 | 1804 | 1739 | 1692 | 1669 | 1637 | 1685 | 1705 | 1790 | 1833 | | | | | | | |
| 35 | 1188 | 1237 | 1166 | 1119 | 995 | 921 | 872 | 843 | 910 | 940 | 1045 | 1123 | | | | | | | |
| 40 | 366 | 395 | 349 | 339 | 292 | 273 | 249 | 226 | 234 | 251 | 290 | 329 | | | | | | | |
| 45 | 178 | 185 | 189 | 181 | 177 | 171 | 156 | 140 | 139 | 149 | 164 | 173 | | | | | | | |
| 50 | 116 | 121 | 122 | 118 | 114 | 110 | 98.0 | 85.3 | 85.2 | 92.4 | 104 | 112 | | | | | | | |
| 55 | 68.7 | 72.1 | 72.1 | 69.2 | 65.5 | 62.9 | 53.9 | 44.9 | 45.1 | 49.6 | 58.6 | 65.3 | | | | | | | |
| 60 | 34.2 | 35.5 | 35.3 | 33.3 | 32.2 | 31.6 | 26.8 | 22.0 | 21.7 | 24.4 | 28.6 | 31.8 | | | | | | | |
| 65 | 21.2 | 21.9 | 22.0 | 20.7 | 20.0 | 19.8 | 16.8 | 13.6 | 13.4 | 15.1 | 17.8 | 20.0 | | | | | | | |
| 70 | 12.2 | 12.8 | 12.7 | 11.8 | 11.0 | 10.7 | 8.91 | 7.13 | 7.09 | 8.09 | 9.72 | 11.3 | | | | | | | |
| 75 | 4.85 | 4.80 | 4.50 | 4.47 | 4.25 | 4.19 | 3.20 | 2.36 | 2.45 | 2.93 | 3.86 | 4.57 | | | | | | | |
| 80 | 0.77 | 0.75 | 0.59 | 0.56 | 0.45 | 0.31 | 0.25 | 0.30 | 0.24 | 0.31 | 0.43 | 0.67 | | | | | | | |
| 85 | 0.16 | 0.10 | 0.15 | 0.09 | 0.14 | 0.11 | 0.13 | 0.15 | 0.13 | 0.16 | 0.13 | 0.16 | | | | | | | |
| 90 | 0.11 | 0.10 | 0.10 | 0.09 | 0.11 | 0.11 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | | | | | | | |

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