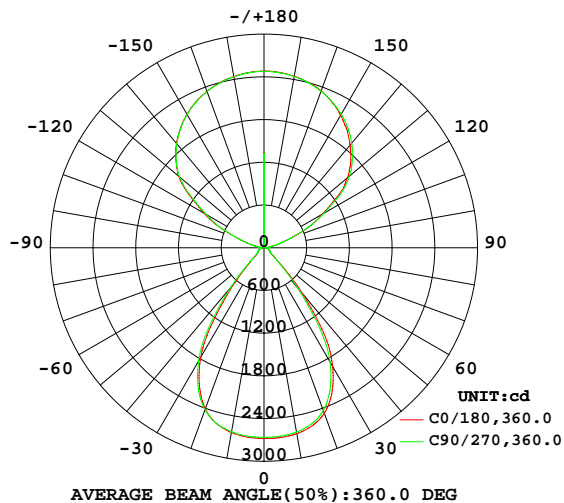


LUMINAIRE PHOTOMETRIC TEST REPORT

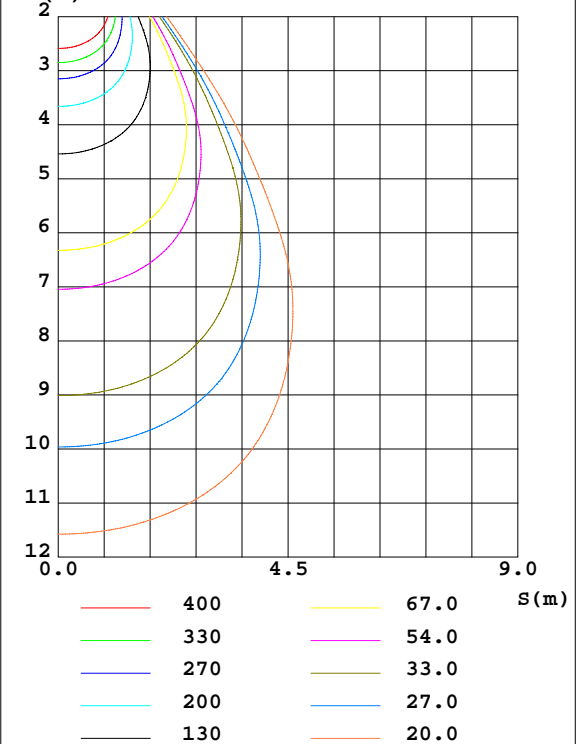
| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 166.99 lm/W | | | |
|------------------|---------|-----------------------------------|-----------|------------------------|-----------|
| MODEL | | Imax(cd) | 2680 | S/MH(C0/180) | 0.99 |
| NOMINAL POWER(W) | 60 | LOR(%) | 100.0 | S/MH(C90/270) | 1.02 |
| RATED VOLTAGE(V) | 230.0 | TOTAL FLUX(lm) | 9966.8 | η UP,DN(C0-180) | 33.4,16.8 |
| NOMINAL FLUX(lm) | 9966.82 | CIE CLASS | SEMI-IND. | η UP,DN(C180-360) | 33.3,16.6 |
| LAMPS INSIDE | 1 | η up(%) | 66.7 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE(V) | 230.0 | η down(%) | 33.3 | CIBSE SHR MAX | 1.05 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

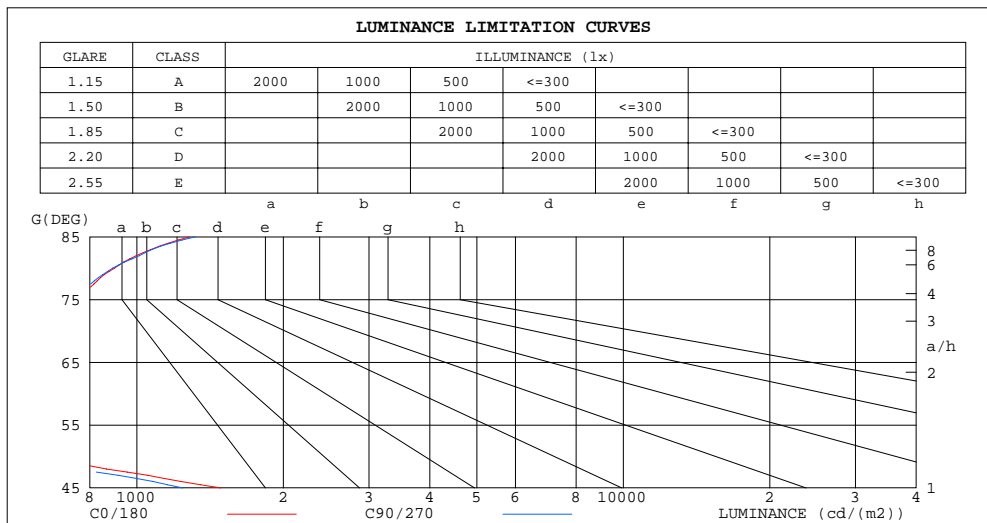
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------------|
| 10 | 2650 | 2640 | 2629 | 2616 | 2635 | 2626 | 2624 | 2628 | 0- 10 | 252.9 | 252.9 | 2.54,2.54 |
| 20 | 2476 | 2463 | 2434 | 2405 | 2408 | 2403 | 2422 | 2441 | 10- 20 | 720.6 | 973.5 | 9.77,9.77 |
| 30 | 1931 | 1912 | 1857 | 1796 | 1778 | 1791 | 1836 | 1891 | 20- 30 | 997.4 | 1971 | 19.8,19.8 |
| 40 | 841.1 | 821.2 | 738.9 | 661.3 | 638.0 | 661.3 | 728.3 | 806.5 | 30- 40 | 811.8 | 2783 | 27.9,27.9 |
| 50 | 141.8 | 138.6 | 129.2 | 121.6 | 119.8 | 122.1 | 127.9 | 137.4 | 40- 50 | 258.2 | 3041 | 30.5,30.5 |
| 60 | 96.34 | 96.04 | 94.63 | 92.44 | 92.60 | 92.07 | 93.63 | 95.26 | 50- 60 | 95.09 | 3136 | 31.5,31.5 |
| 70 | 72.35 | 72.52 | 72.00 | 71.10 | 71.34 | 71.43 | 71.32 | 72.04 | 60- 70 | 81.18 | 3217 | 32.3,32.3 |
| 80 | 51.80 | 52.18 | 51.30 | 49.44 | 48.89 | 48.90 | 50.04 | 52.04 | 70- 80 | 66.41 | 3284 | 32.9,32.9 |
| 90 | 21.04 | 20.53 | 18.32 | 13.69 | 9.777 | 10.96 | 16.37 | 20.08 | 80- 90 | 38.82 | 3322 | 33.3,33.3 |
| 100 | 97.26 | 103.8 | 99.51 | 93.63 | 93.99 | 89.26 | 100.3 | 95.15 | 90-100 | 46.89 | 3369 | 33.8,33.8 |
| 110 | 407.1 | 411.8 | 391.3 | 381.5 | 396.3 | 379.5 | 392.0 | 387.5 | 100-110 | 232.0 | 3601 | 36.1,36.1 |
| 120 | 947.4 | 976.2 | 970.2 | 952.4 | 968.3 | 938.0 | 933.1 | 942.2 | 110-120 | 671.2 | 4273 | 42.9,42.9 |
| 130 | 1529 | 1538 | 1565 | 1571 | 1563 | 1552 | 1548 | 1543 | 120-130 | 1128 | 5400 | 54.2,54.2 |
| 140 | 1880 | 1856 | 1916 | 1914 | 1911 | 1897 | 1906 | 1908 | 130-140 | 1341 | 6741 | 67.6,67.6 |
| 150 | 2151 | 2123 | 2169 | 2167 | 2165 | 2156 | 2161 | 2168 | 140-150 | 1275 | 8016 | 80.4,80.4 |
| 160 | 2345 | 2329 | 2341 | 2340 | 2339 | 2334 | 2336 | 2343 | 150-160 | 1039 | 9056 | 90.9,90.9 |
| 170 | 2447 | 2443 | 2443 | 2443 | 2443 | 2438 | 2439 | 2444 | 160-170 | 676.5 | 9732 | 97.6,97.6 |
| 180 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 170-180 | 234.5 | 9967 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |



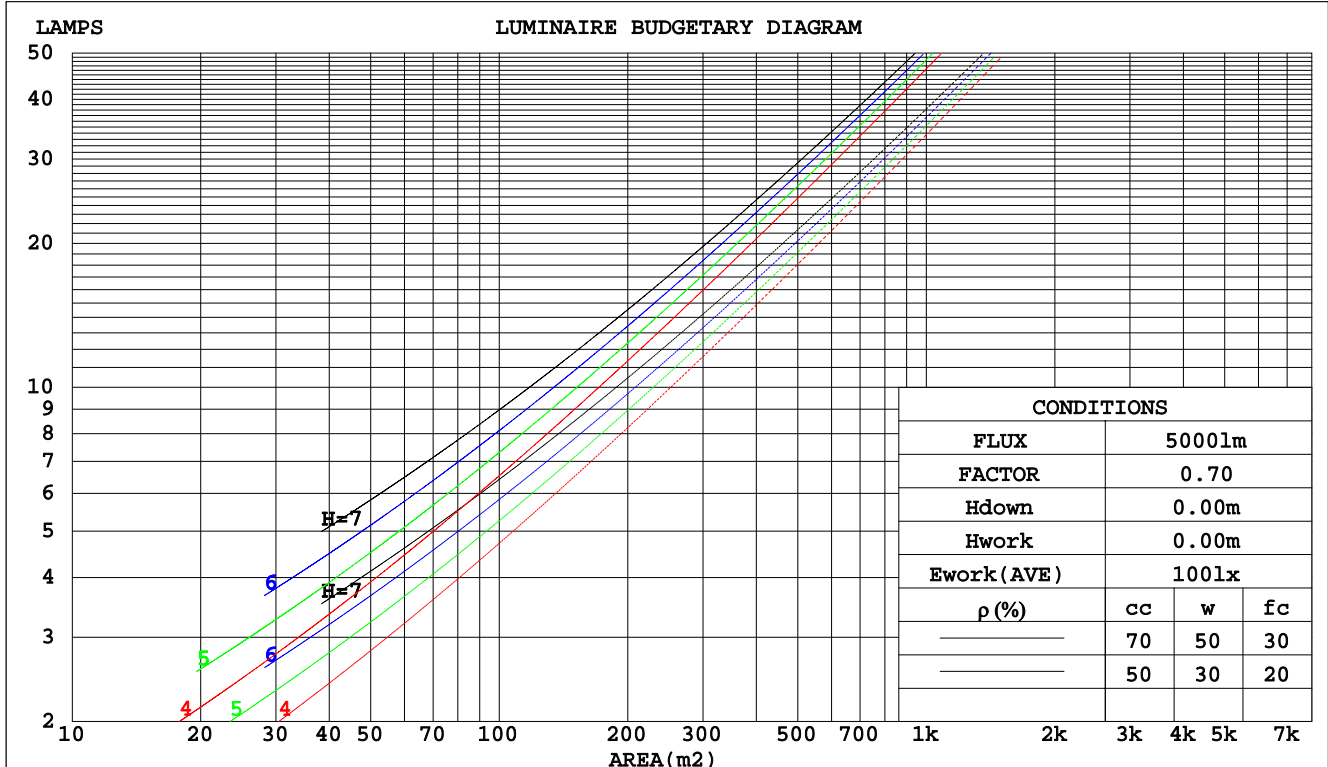
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | 1.03 | 1.03 | 1.03 | .93 | .93 | .93 | .74 | .74 | .74 | .57 | .57 | .57 | .41 | .41 | .41 | .33 |
| 1.0 | .91 | .88 | .85 | .83 | .80 | .77 | .66 | .65 | .63 | .51 | .50 | .49 | .38 | .37 | .37 | .30 |
| 2.0 | .81 | .76 | .72 | .74 | .69 | .66 | .60 | .57 | .54 | .47 | .45 | .43 | .35 | .34 | .33 | .27 |
| 3.0 | .73 | .66 | .61 | .66 | .61 | .57 | .54 | .50 | .47 | .43 | .40 | .38 | .32 | .31 | .30 | .25 |
| 4.0 | .65 | .58 | .53 | .60 | .54 | .49 | .49 | .45 | .42 | .39 | .36 | .34 | .30 | .28 | .27 | .23 |
| 5.0 | .59 | .52 | .47 | .54 | .48 | .43 | .45 | .40 | .37 | .36 | .33 | .31 | .28 | .26 | .25 | .21 |
| 6.0 | .54 | .46 | .41 | .49 | .43 | .39 | .41 | .36 | .33 | .33 | .30 | .28 | .26 | .24 | .23 | .20 |
| 7.0 | .49 | .42 | .37 | .45 | .39 | .35 | .38 | .33 | .30 | .31 | .28 | .25 | .24 | .22 | .21 | .18 |
| 8.0 | .45 | .38 | .33 | .41 | .35 | .31 | .35 | .30 | .27 | .28 | .25 | .23 | .23 | .21 | .19 | .17 |
| 9.0 | .41 | .34 | .30 | .38 | .32 | .28 | .32 | .28 | .25 | .27 | .23 | .21 | .21 | .19 | .18 | .16 |
| 10.0 | .38 | .32 | .27 | .35 | .30 | .26 | .30 | .26 | .23 | .25 | .22 | .20 | .20 | .18 | .17 | .15 |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

WEC AND CCEC

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |

| 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 | .243 | .138 | .044 | .216 | .123 | .039 | .166 | .095 | .030 | .119 | .069 | .022 | .076 | .044 | .014 | | |
| 2.0 | .225 | .123 | .038 | .201 | .110 | .034 | .154 | .086 | .027 | .112 | .063 | .020 | .073 | .041 | .013 | | |
| 3.0 | .209 | .111 | .033 | .186 | .100 | .030 | .144 | .078 | .024 | .105 | .058 | .018 | .069 | .038 | .012 | | |
| 4.0 | .194 | .101 | .030 | .174 | .091 | .027 | .135 | .072 | .021 | .099 | .053 | .016 | .065 | .035 | .011 | | |
| 5.0 | .182 | .092 | .027 | .163 | .083 | .024 | .127 | .066 | .019 | .093 | .049 | .015 | .062 | .033 | .010 | | |
| 6.0 | .170 | .085 | .024 | .152 | .077 | .022 | .119 | .061 | .018 | .088 | .046 | .013 | .059 | .031 | .009 | | |
| 7.0 | .160 | .079 | .022 | .143 | .071 | .020 | .113 | .057 | .016 | .084 | .043 | .012 | .056 | .029 | .009 | | |
| 8.0 | .150 | .073 | .021 | .135 | .067 | .019 | .106 | .053 | .015 | .079 | .040 | .012 | .054 | .028 | .008 | | |
| 9.0 | .142 | .069 | .019 | .128 | .062 | .017 | .101 | .050 | .014 | .076 | .038 | .011 | .052 | .026 | .008 | | |
| 10.0 | .134 | .064 | .018 | .121 | .059 | .016 | .096 | .047 | .013 | .072 | .036 | .010 | .049 | .025 | .007 | | |

| 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 | .698 | .698 | .698 | .597 | .597 | .597 | .407 | .407 | .407 | .234 | .234 | .234 | .075 | .075 | .075 | |
| 1.0 | .688 | .669 | .652 | .589 | .574 | .561 | .403 | .395 | .388 | .232 | .229 | .226 | .074 | .074 | .073 | |
| 2.0 | .679 | .648 | .622 | .581 | .558 | .537 | .398 | .386 | .375 | .230 | .224 | .220 | .074 | .073 | .072 | |
| 3.0 | .671 | .632 | .601 | .575 | .545 | .521 | .395 | .379 | .366 | .228 | .221 | .216 | .073 | .072 | .071 | |
| 4.0 | .664 | .620 | .587 | .570 | .536 | .510 | .392 | .374 | .359 | .227 | .219 | .212 | .073 | .071 | .070 | |
| 5.0 | .657 | .611 | .577 | .565 | .529 | .502 | .389 | .369 | .354 | .225 | .217 | .210 | .073 | .071 | .069 | |
| 6.0 | .651 | .604 | .569 | .560 | .523 | .496 | .386 | .366 | .351 | .224 | .215 | .209 | .072 | .070 | .069 | |
| 7.0 | .646 | .598 | .564 | .556 | .518 | .491 | .384 | .363 | .348 | .223 | .214 | .207 | .072 | .070 | .069 | |
| 8.0 | .641 | .593 | .560 | .552 | .514 | .488 | .382 | .361 | .346 | .222 | .213 | .206 | .072 | .070 | .068 | |
| 9.0 | .636 | .588 | .556 | .548 | .511 | .485 | .380 | .359 | .344 | .221 | .212 | .205 | .072 | .070 | .068 | |
| 10.0 | .631 | .585 | .554 | .544 | .508 | .483 | .378 | .357 | .343 | .220 | .211 | .205 | .071 | .069 | .068 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|---------------|------------------|-----|-----|----------------------|----------------|-----|------------------|-----|-----|------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: 650*40 | | | SERIAL No.: | | | |
| MFR.: NLD25-0017 | | | | | SUR.:3.14*0325*0.325 | | | Shielding Angle: | | | |
| 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 | 2H | 6.1 | 6.9 | 7.1 | 7.8 | 9.2 | 5.8 | 6.5 | 6.8 | 7.5 | 8.8 |
| | 3H | 6.3 | 7.0 | 7.4 | 8.0 | 9.3 | 6.0 | 6.7 | 7.1 | 7.7 | 9.0 |
| | 4H | 6.6 | 7.2 | 7.6 | 8.2 | 9.6 | 6.3 | 6.9 | 7.4 | 7.9 | 9.3 |
| | 6H | 6.9 | 7.5 | 8.0 | 8.5 | 9.9 | 6.7 | 7.2 | 7.8 | 8.3 | 9.7 |
| | 8H | 7.1 | 7.7 | 8.2 | 8.7 | 10.1 | 6.9 | 7.5 | 8.0 | 8.5 | 9.9 |
| | 12H | 7.4 | 7.9 | 8.5 | 8.9 | 10.3 | 7.2 | 7.7 | 8.3 | 8.7 | 10.2 |
| 4H | 2H | 5.8 | 6.4 | 6.9 | 7.4 | 8.8 | 5.5 | 6.1 | 6.5 | 7.1 | 8.5 |
| | 3H | 6.2 | 6.7 | 7.3 | 7.8 | 9.2 | 5.9 | 6.5 | 7.0 | 7.5 | 8.9 |
| | 4H | 6.7 | 7.1 | 7.8 | 8.2 | 9.6 | 6.4 | 6.9 | 7.5 | 7.9 | 9.4 |
| | 6H | 7.2 | 7.6 | 8.4 | 8.7 | 10.2 | 7.1 | 7.4 | 8.2 | 8.5 | 10.0 |
| | 8H | 7.6 | 7.9 | 8.7 | 9.0 | 10.5 | 7.4 | 7.8 | 8.5 | 8.9 | 10.3 |
| | 12H | 7.9 | 8.3 | 9.1 | 9.4 | 10.9 | 7.8 | 8.1 | 8.9 | 9.2 | 10.7 |
| 8H | 4H | 6.7 | 7.1 | 7.8 | 8.2 | 9.6 | 6.5 | 6.9 | 7.6 | 8.0 | 9.4 |
| | 6H | 7.5 | 7.8 | 8.6 | 8.9 | 10.4 | 7.4 | 7.6 | 8.5 | 8.8 | 10.3 |
| | 8H | 8.0 | 8.3 | 9.1 | 9.4 | 10.9 | 7.9 | 8.1 | 9.0 | 9.2 | 10.8 |
| | 12H | 8.6 | 8.8 | 9.7 | 9.9 | 11.4 | 8.5 | 8.7 | 9.6 | 9.8 | 11.3 |
| 12H | 4H | 6.7 | 7.0 | 7.8 | 8.1 | 9.6 | 6.5 | 6.8 | 7.6 | 7.9 | 9.4 |
| | 6H | 7.6 | 7.8 | 8.7 | 8.9 | 10.5 | 7.4 | 7.7 | 8.6 | 8.8 | 10.3 |
| | 8H | 8.1 | 8.4 | 9.3 | 9.5 | 11.0 | 8.0 | 8.2 | 9.2 | 9.4 | 10.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.2 / - 1.3 | | | | | + 1.0 / - 1.1 | | | | | |
| 1.5H | + 2.6 / - 1.3 | | | | | + 2.3 / - 1.1 | | | | | |
| 2.0H | + 1.1 / - 0.3 | | | | | + 0.7 / - 0.3 | | | | | |

CIE Pub.117, 9967 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 8.0$)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |

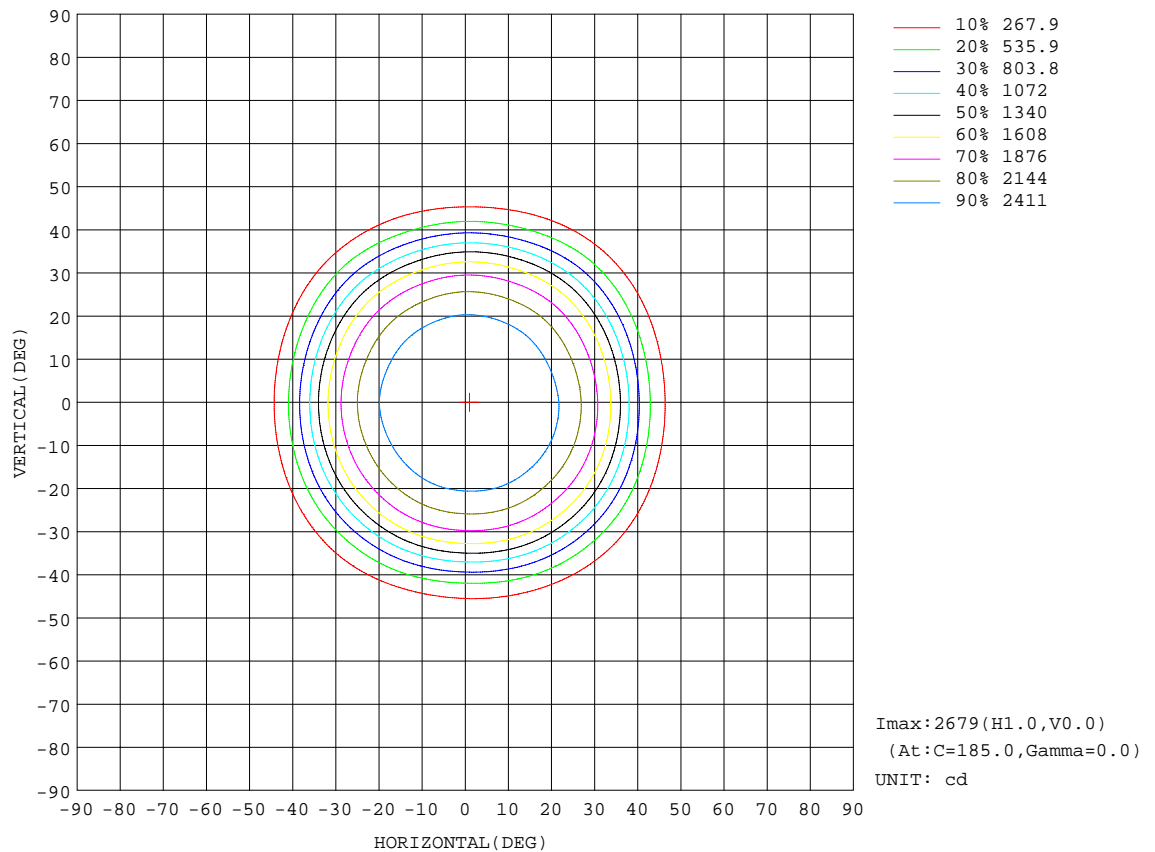
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 48 | 38 | 33 | 45 | 36 | 32 | 39 | 33 | 29 | 22 |
| 0.80 | 56 | 46 | 41 | 52 | 44 | 39 | 45 | 39 | 35 | 24 |
| 1.00 | 63 | 53 | 46 | 58 | 49 | 44 | 49 | 43 | 39 | 26 |
| 1.25 | 69 | 59 | 53 | 63 | 55 | 49 | 53 | 47 | 43 | 28 |
| 1.50 | 73 | 64 | 58 | 67 | 59 | 54 | 56 | 50 | 47 | 29 |
| 2.00 | 79 | 71 | 65 | 72 | 65 | 60 | 59 | 55 | 51 | 30 |
| 2.50 | 83 | 76 | 70 | 76 | 69 | 65 | 62 | 58 | 54 | 30 |
| 3.00 | 86 | 79 | 74 | 78 | 73 | 68 | 64 | 60 | 57 | 31 |
| 4.00 | 90 | 84 | 80 | 82 | 77 | 73 | 66 | 63 | 60 | 31 |
| 5.00 | 93 | 88 | 84 | 84 | 80 | 76 | 68 | 65 | 63 | 32 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |

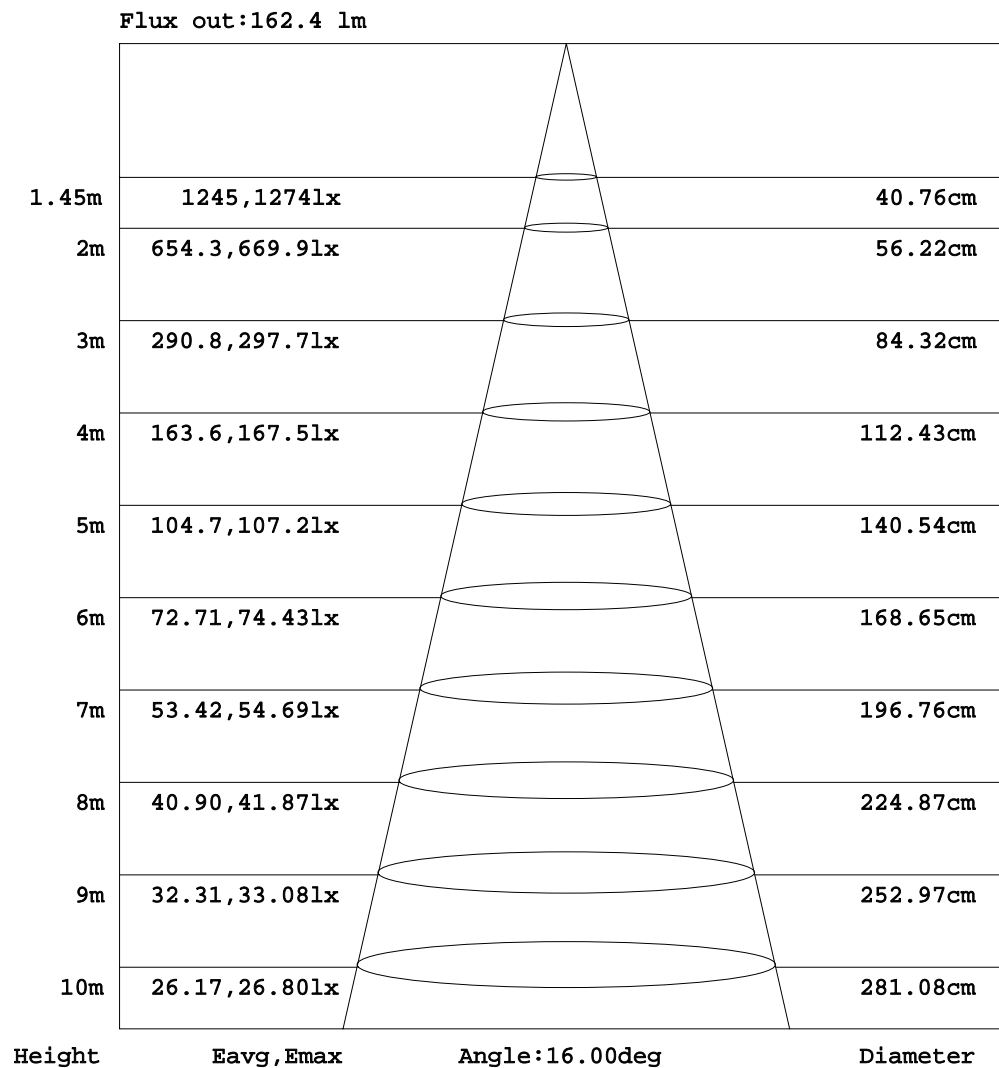


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

AAI Figure

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |



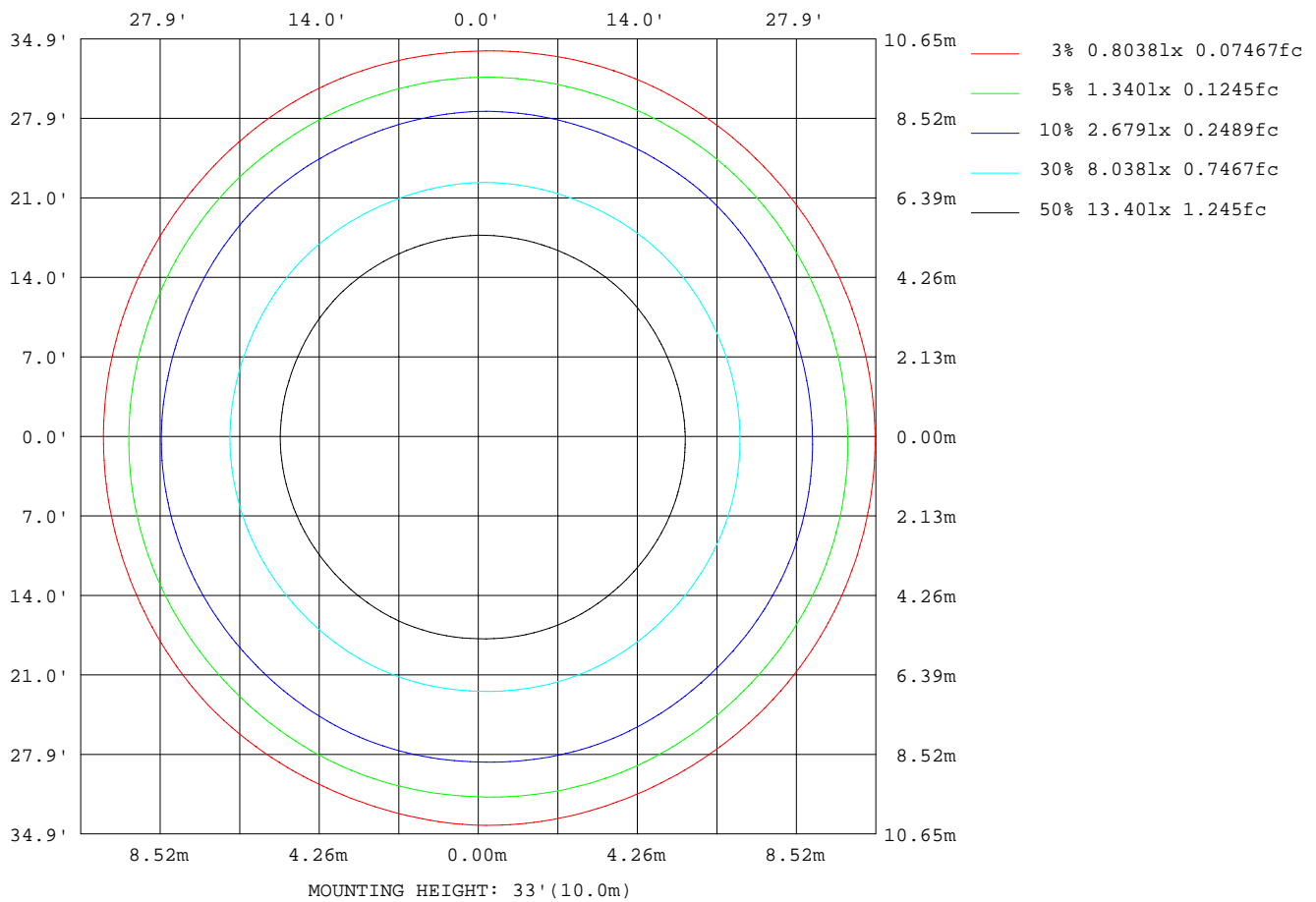
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=0.8547]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LED Avg.L Report

| | | |
|--|----------------------|------------------|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 650*40 | SERIAL No.: |
| MFR.: NLD25-0017 | SUR.:3.14*0325*0.325 | Shielding Angle: |

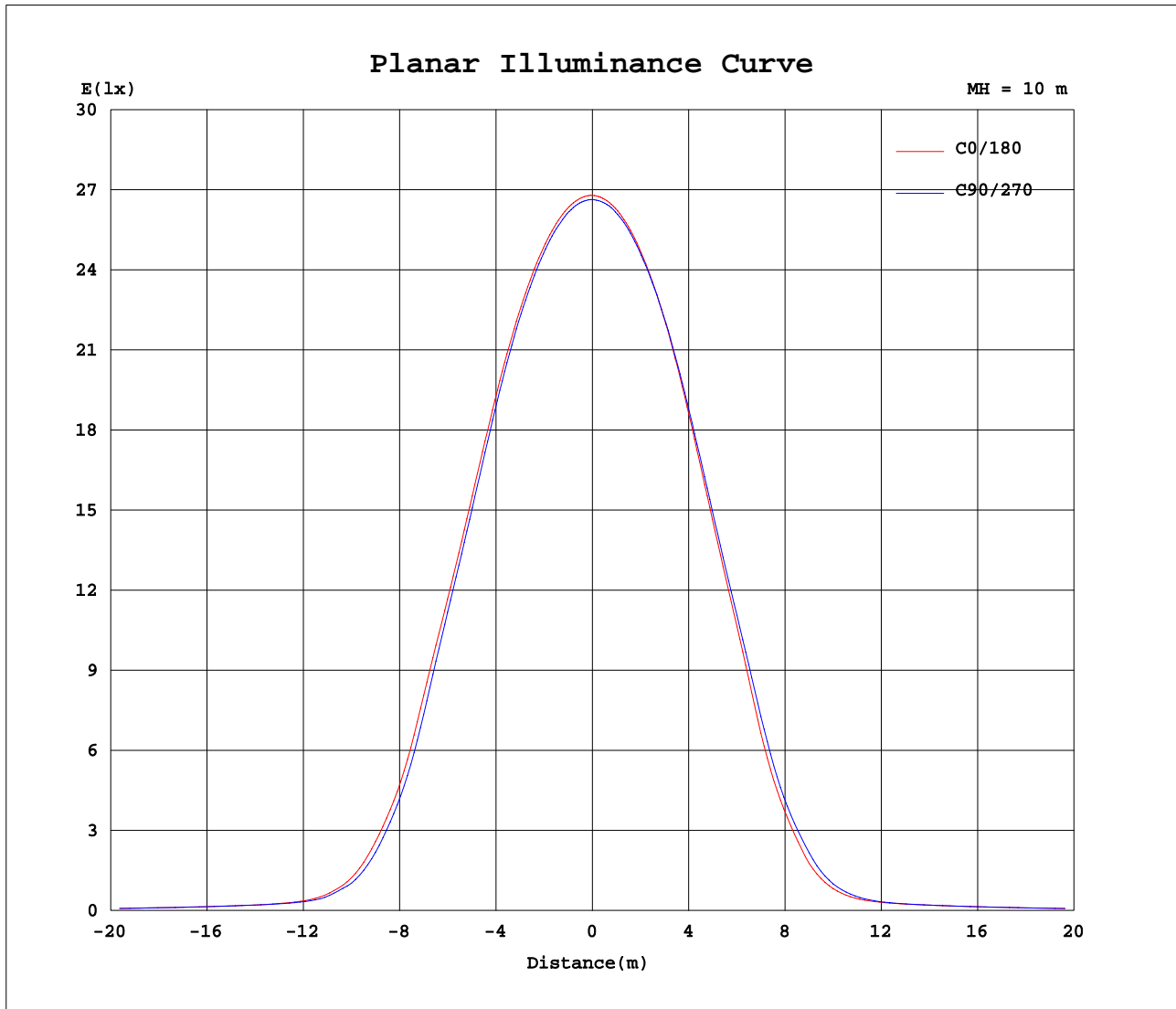
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 583 |
| L_0~180(75)av | 740 |
| L_0~180(85)av | 1250 |
| L_90~270(65)av | 581 |
| L_90~270(75)av | 739 |
| L_90~270(85)av | 1300 |
| L_45(65)av | 581 |
| L_45(75)av | 744 |
| L_45(85)av | 1284 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|------------------|--|--|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: 650*40 | | | | | | SERIAL No.: | | |
| MFR.: NLD25-0017 | | | | | | | | | SUR.:3.14*0325*0.325 | | | | | | Shielding Angle: | | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 2679 | 2678 | 2677 | 2676 | 2675 | 2674 | 2673 | 2672 | 2671 | 2670 | 2669 | 2668 | 2667 | 2666 | 2665 | 2665 | 2664 | 2664 | 2664 |
| 5 | 2675 | 2674 | 2673 | 2672 | 2671 | 2670 | 2668 | 2667 | 2666 | 2665 | 2664 | 2663 | 2662 | 2661 | 2660 | 2659 | 2658 | 2657 | 2657 |
| 10 | 2650 | 2650 | 2649 | 2649 | 2648 | 2647 | 2645 | 2644 | 2642 | 2640 | 2639 | 2638 | 2637 | 2635 | 2634 | 2633 | 2632 | 2631 | 2629 |
| 15 | 2593 | 2593 | 2593 | 2593 | 2592 | 2590 | 2588 | 2586 | 2584 | 2582 | 2581 | 2579 | 2578 | 2577 | 2574 | 2572 | 2569 | 2567 | 2564 |
| 20 | 2476 | 2477 | 2478 | 2478 | 2477 | 2475 | 2472 | 2469 | 2466 | 2463 | 2461 | 2459 | 2457 | 2455 | 2452 | 2447 | 2443 | 2438 | 2434 |
| 25 | 2255 | 2258 | 2260 | 2260 | 2260 | 2257 | 2254 | 2249 | 2244 | 2240 | 2237 | 2235 | 2233 | 2230 | 2225 | 2218 | 2211 | 2203 | 2196 |
| 30 | 1931 | 1934 | 1936 | 1937 | 1936 | 1933 | 1929 | 1923 | 1917 | 1912 | 1909 | 1906 | 1902 | 1899 | 1893 | 1884 | 1875 | 1866 | 1857 |
| 35 | 1468 | 1473 | 1476 | 1477 | 1476 | 1472 | 1465 | 1457 | 1448 | 1440 | 1435 | 1431 | 1425 | 1418 | 1406 | 1390 | 1372 | 1355 | 1338 |
| 40 | 841 | 847 | 851 | 852 | 852 | 849 | 844 | 837 | 829 | 821 | 816 | 811 | 805 | 798 | 789 | 777 | 764 | 751 | 739 |
| 45 | 348 | 353 | 357 | 358 | 358 | 356 | 352 | 347 | 341 | 336 | 332 | 329 | 326 | 323 | 318 | 311 | 304 | 298 | 291 |
| 50 | 142 | 142 | 143 | 143 | 143 | 142 | 142 | 141 | 140 | 139 | 138 | 137 | 137 | 136 | 135 | 133 | 132 | 131 | 129 |
| 55 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 105 | 105 | 105 |
| 60 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.3 | 96.2 | 96.1 | 96.0 | 96.0 | 95.9 | 95.9 | 95.8 | 95.6 | 95.4 | 95.1 | 94.9 | 94.6 |
| 65 | 83.4 | 83.5 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.6 | 83.5 | 83.4 | 83.4 | 83.3 | 83.3 | 83.2 | 83.0 | 82.8 | 82.6 | 82.3 | 82.1 |
| 70 | 72.3 | 72.5 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.6 | 72.6 | 72.5 | 72.5 | 72.5 | 72.4 | 72.4 | 72.3 | 72.2 | 72.1 | 72.1 | 72.0 |
| 75 | 65.2 | 65.5 | 65.8 | 66.0 | 66.1 | 66.1 | 66.0 | 65.9 | 65.8 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.6 | 65.2 | 64.8 | 64.3 | 64.0 |
| 80 | 51.8 | 52.0 | 52.1 | 52.2 | 52.2 | 52.3 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.4 | 52.5 | 52.5 | 52.4 | 52.2 | 51.9 | 51.6 | 51.3 |
| 85 | 37.1 | 37.3 | 37.4 | 37.6 | 37.7 | 37.8 | 37.9 | 38.0 | 38.0 | 38.1 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3 | 38.2 | 38.2 | 38.2 | 38.1 |
| 90 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 20.9 | 20.9 | 20.8 | 20.7 | 20.5 | 20.4 | 20.2 | 20.0 | 19.8 | 19.5 | 19.3 | 19.0 | 18.7 | 18.3 |
| 95 | 37.9 | 39.7 | 41.1 | 42.2 | 43.0 | 43.5 | 43.6 | 43.4 | 42.9 | 42.3 | 41.2 | 39.9 | 38.8 | 37.7 | 37.3 | 37.6 | 38.0 | 38.4 | 38.8 |
| 100 | 97.3 | 101 | 104 | 106 | 107 | 108 | 108 | 107 | 106 | 104 | 100 | 96.8 | 93.5 | 90.9 | 90.6 | 92.6 | 95.1 | 97.5 | 99.5 |
| 105 | 214 | 218 | 220 | 222 | 224 | 225 | 226 | 226 | 225 | 224 | 222 | 220 | 217 | 215 | 213 | 212 | 212 | 211 | 211 |
| 110 | 407 | 408 | 409 | 410 | 410 | 411 | 412 | 413 | 413 | 412 | 408 | 404 | 399 | 395 | 392 | 391 | 391 | 391 | 391 |
| 115 | 706 | 709 | 712 | 715 | 717 | 719 | 721 | 723 | 722 | 720 | 711 | 700 | 689 | 680 | 676 | 677 | 681 | 686 | 692 |
| 120 | 947 | 951 | 954 | 958 | 961 | 965 | 970 | 974 | 976 | 976 | 968 | 958 | 949 | 941 | 940 | 946 | 954 | 962 | 970 |
| 125 | 1260 | 1274 | 1286 | 1294 | 1299 | 1299 | 1296 | 1291 | 1284 | 1277 | 1269 | 1261 | 1256 | 1253 | 1256 | 1267 | 1279 | 1292 | 1304 |
| 130 | 1529 | 1543 | 1553 | 1560 | 1564 | 1564 | 1559 | 1553 | 1546 | 1538 | 1530 | 1524 | 1519 | 1516 | 1520 | 1530 | 1542 | 1554 | 1565 |
| 135 | 1726 | 1734 | 1740 | 1742 | 1742 | 1736 | 1726 | 1715 | 1705 | 1696 | 1698 | 1702 | 1708 | 1715 | 1724 | 1732 | 1740 | 1748 | 1754 |
| 140 | 1880 | 1885 | 1888 | 1889 | 1888 | 1884 | 1876 | 1868 | 1861 | 1856 | 1862 | 1871 | 1881 | 1891 | 1900 | 1905 | 1910 | 1913 | 1916 |
| 145 | 2029 | 2019 | 2011 | 2004 | 1998 | 1992 | 1987 | 1984 | 1983 | 1986 | 1999 | 2014 | 2029 | 2044 | 2053 | 2055 | 2056 | 2055 | 2053 |
| 150 | 2151 | 2131 | 2115 | 2103 | 2096 | 2094 | 2097 | 2104 | 2113 | 2123 | 2134 | 2145 | 2155 | 2164 | 2170 | 2172 | 2172 | 2171 | 2169 |
| 155 | 2259 | 2228 | 2205 | 2189 | 2179 | 2180 | 2190 | 2205 | 2221 | 2238 | 2247 | 2254 | 2259 | 2263 | 2266 | 2266 | 2266 | 2265 | 2263 |
| 160 | 2345 | 2319 | 2298 | 2284 | 2276 | 2277 | 2287 | 2300 | 2314 | 2329 | 2334 | 2338 | 2340 | 2341 | 2342 | 2342 | 2342 | 2341 | 2341 |
| 165 | 2406 | 2377 | 2355 | 2340 | 2333 | 2336 | 2349 | 2365 | 2383 | 2400 | 2403 | 2404 | 2403 | 2401 | 2400 | 2400 | 2400 | 2400 | 2400 |
| 170 | 2447 | 2426 | 2409 | 2398 | 2392 | 2395 | 2404 | 2417 | 2430 | 2443 | 2445 | 2446 | 2445 | 2443 | 2442 | 2442 | 2443 | 2443 | 2443 |
| 175 | 2473 | 2465 | 2459 | 2454 | 2452 | 2452 | 2455 | 2459 | 2463 | 2467 | 2468 | 2468 | 2468 | 2468 | 2467 | 2467 | 2467 | 2467 | 2467 |
| 180 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| SPEC.: | | | | | | | | | DIM.: 650*40 | | | | | SERIAL No.: | | | | |
| MFR.: NLD25-0017 | | | | | | | | | SUR.:3.14*0325*0.325 | | | | | Shielding Angle: | | | | |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 2663 | 2663 | 2662 | 2661 | 2661 | 2660 | 2660 | 2659 | 2659 | 2657 | 2656 | 2655 | 2655 | 2657 | 2663 | 2669 | 2674 | 2679 | 2680 |
| 5 | 2656 | 2655 | 2655 | 2654 | 2653 | 2653 | 2652 | 2651 | 2651 | 2649 | 2648 | 2648 | 2651 | 2655 | 2660 | 2665 | 2669 | 2669 | 2669 |
| 10 | 2628 | 2627 | 2625 | 2624 | 2622 | 2620 | 2619 | 2617 | 2616 | 2615 | 2615 | 2615 | 2616 | 2619 | 2623 | 2628 | 2632 | 2635 | 2635 |
| 15 | 2563 | 2562 | 2560 | 2559 | 2558 | 2556 | 2554 | 2552 | 2550 | 2548 | 2546 | 2545 | 2545 | 2547 | 2550 | 2554 | 2557 | 2560 | 2559 |
| 20 | 2431 | 2428 | 2426 | 2423 | 2420 | 2416 | 2412 | 2408 | 2405 | 2402 | 2400 | 2399 | 2398 | 2399 | 2402 | 2405 | 2407 | 2408 | 2406 |
| 25 | 2192 | 2189 | 2185 | 2181 | 2176 | 2169 | 2162 | 2156 | 2149 | 2146 | 2143 | 2141 | 2139 | 2139 | 2141 | 2142 | 2144 | 2145 | 2142 |
| 30 | 1852 | 1846 | 1841 | 1835 | 1828 | 1820 | 1811 | 1803 | 1796 | 1792 | 1788 | 1786 | 1784 | 1783 | 1781 | 1780 | 1779 | 1778 | 1775 |
| 35 | 1328 | 1320 | 1311 | 1303 | 1291 | 1276 | 1261 | 1247 | 1234 | 1227 | 1222 | 1219 | 1216 | 1214 | 1213 | 1211 | 1210 | 1208 | 1204 |
| 40 | 731 | 725 | 718 | 711 | 703 | 692 | 681 | 671 | 661 | 656 | 651 | 648 | 646 | 644 | 642 | 641 | 640 | 638 | 633 |
| 45 | 286 | 282 | 277 | 274 | 271 | 268 | 265 | 263 | 260 | 255 | 250 | 246 | 241 | 238 | 236 | 235 | 234 | 233 | 233 |
| 50 | 128 | 127 | 127 | 126 | 125 | 124 | 123 | 122 | 122 | 121 | 120 | 120 | 120 | 119 | 119 | 120 | 120 | 120 | 120 |
| 55 | 104 | 104 | 104 | 104 | 104 | 103 | 103 | 103 | 103 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 103 | 103 | 102 |
| 60 | 94.5 | 94.3 | 94.2 | 94.0 | 93.7 | 93.4 | 93.1 | 92.7 | 92.4 | 92.3 | 92.1 | 92.0 | 92.0 | 92.1 | 92.2 | 92.4 | 92.5 | 92.6 | 92.4 |
| 65 | 82.0 | 81.9 | 81.8 | 81.6 | 81.4 | 81.0 | 80.7 | 80.3 | 80.0 | 79.9 | 79.8 | 79.7 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.1 | 80.0 |
| 70 | 72.0 | 72.1 | 72.1 | 72.2 | 72.0 | 71.8 | 71.6 | 71.3 | 71.1 | 71.0 | 70.9 | 70.9 | 70.9 | 70.9 | 71.0 | 71.2 | 71.3 | 71.3 | 71.2 |
| 75 | 63.9 | 63.9 | 63.9 | 63.9 | 63.7 | 63.4 | 63.1 | 62.8 | 62.5 | 62.3 | 62.2 | 62.1 | 62.0 | 61.9 | 61.9 | 61.8 | 61.8 | 61.8 | 61.8 |
| 80 | 51.2 | 51.1 | 51.0 | 50.8 | 50.6 | 50.3 | 50.0 | 49.7 | 49.4 | 49.3 | 49.3 | 49.2 | 49.2 | 49.2 | 49.1 | 49.0 | 49.0 | 48.9 | 48.8 |
| 85 | 38.1 | 38.1 | 38.1 | 38.0 | 37.8 | 37.5 | 37.2 | 36.9 | 36.6 | 36.4 | 36.3 | 36.1 | 36.0 | 35.8 | 35.7 | 35.5 | 35.3 | 35.1 | 34.8 |
| 90 | 17.9 | 17.5 | 17.0 | 16.5 | 16.0 | 15.4 | 14.9 | 14.3 | 13.7 | 13.0 | 12.4 | 11.7 | 11.2 | 10.7 | 10.4 | 10.1 | 9.91 | 9.78 | 9.68 |
| 95 | 38.2 | 37.5 | 36.8 | 36.1 | 36.0 | 36.3 | 36.7 | 37.2 | 37.7 | 37.9 | 37.9 | 37.9 | 37.9 | 37.8 | 37.6 | 37.4 | 37.3 | 37.3 | 37.7 |
| 100 | 97.8 | 95.5 | 92.9 | 90.5 | 89.5 | 90.1 | 91.1 | 92.3 | 93.6 | 94.2 | 94.6 | 94.9 | 95.1 | 95.0 | 94.6 | 94.3 | 94.0 | 94.0 | 95.3 |
| 105 | 209 | 208 | 206 | 205 | 204 | 204 | 203 | 203 | 203 | 203 | 203 | 203 | 204 | 204 | 206 | 207 | 209 | 210 | 210 |
| 110 | 391 | 391 | 390 | 390 | 388 | 387 | 385 | 383 | 382 | 381 | 381 | 381 | 382 | 384 | 388 | 391 | 394 | 396 | 396 |
| 115 | 697 | 702 | 706 | 710 | 711 | 711 | 709 | 707 | 704 | 701 | 698 | 695 | 692 | 690 | 689 | 688 | 688 | 688 | 687 |
| 120 | 972 | 972 | 971 | 969 | 966 | 963 | 960 | 956 | 952 | 949 | 947 | 945 | 945 | 948 | 953 | 959 | 964 | 968 | 966 |
| 125 | 1307 | 1309 | 1309 | 1308 | 1308 | 1309 | 1310 | 1309 | 1306 | 1298 | 1289 | 1280 | 1271 | 1266 | 1265 | 1266 | 1266 | 1267 | 1264 |
| 130 | 1570 | 1572 | 1574 | 1574 | 1574 | 1574 | 1574 | 1573 | 1571 | 1569 | 1566 | 1563 | 1561 | 1560 | 1561 | 1562 | 1563 | 1563 | 1560 |
| 135 | 1755 | 1755 | 1754 | 1752 | 1752 | 1752 | 1752 | 1752 | 1753 | 1751 | 1750 | 1749 | 1748 | 1748 | 1748 | 1749 | 1750 | 1750 | 1749 |
| 140 | 1916 | 1915 | 1914 | 1913 | 1913 | 1913 | 1914 | 1914 | 1914 | 1913 | 1911 | 1909 | 1908 | 1908 | 1909 | 1910 | 1911 | 1911 | 1909 |
| 145 | 2052 | 2051 | 2050 | 2049 | 2049 | 2050 | 2050 | 2051 | 2051 | 2050 | 2049 | 2048 | 2047 | 2046 | 2047 | 2047 | 2048 | 2048 | 2047 |
| 150 | 2168 | 2167 | 2166 | 2165 | 2165 | 2166 | 2166 | 2167 | 2167 | 2166 | 2165 | 2164 | 2163 | 2163 | 2163 | 2164 | 2165 | 2165 | 2164 |
| 155 | 2263 | 2262 | 2261 | 2260 | 2260 | 2261 | 2261 | 2262 | 2263 | 2262 | 2261 | 2261 | 2260 | 2260 | 2260 | 2261 | 2261 | 2262 | 2261 |
| 160 | 2340 | 2339 | 2339 | 2338 | 2338 | 2339 | 2339 | 2339 | 2340 | 2339 | 2339 | 2338 | 2338 | 2338 | 2338 | 2339 | 2339 | 2339 | 2338 |
| 165 | 2400 | 2399 | 2399 | 2398 | 2398 | 2398 | 2399 | 2399 | 2400 | 2400 | 2399 | 2399 | 2399 | 2399 | 2400 | 2400 | 2401 | 2401 | 2399 |
| 170 | 2443 | 2442 | 2442 | 2441 | 2441 | 2442 | 2442 | 2443 | 2443 | 2443 | 2442 | 2442 | 2442 | 2442 | 2442 | 2443 | 2443 | 2443 | 2443 |
| 175 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2468 | 2469 | 2469 | 2469 | 2470 | 2470 | 2470 | 2468 |
| 180 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| SPEC.: | | | | | | | | | DIM.: 650*40 | | | | | SERIAL No.: | | | | |
| MFR.: NLD25-0017 | | | | | | | | | SUR.:3.14*0325*0.325 | | | | | Shielding Angle: | | | | |

Table--3

UNIT: cd

| C(DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| 0 | 2679 | 2677 | 2675 | 2674 | 2673 | 2672 | 2671 | 2670 | 2669 | 2668 | 2667 | 2667 | 2666 | 2665 | 2665 | 2664 | 2664 | 2663 | 2663 |
| 5 | 2668 | 2666 | 2664 | 2663 | 2662 | 2662 | 2661 | 2661 | 2660 | 2659 | 2658 | 2657 | 2656 | 2656 | 2656 | 2656 | 2656 | 2656 | 2656 |
| 10 | 2633 | 2631 | 2629 | 2627 | 2627 | 2627 | 2626 | 2626 | 2626 | 2625 | 2624 | 2624 | 2623 | 2624 | 2624 | 2624 | 2624 | 2625 | 2625 |
| 15 | 2557 | 2554 | 2551 | 2550 | 2550 | 2550 | 2551 | 2551 | 2551 | 2551 | 2551 | 2551 | 2552 | 2554 | 2555 | 2557 | 2559 | 2559 | 2559 |
| 20 | 2402 | 2399 | 2396 | 2395 | 2396 | 2398 | 2401 | 2403 | 2404 | 2405 | 2405 | 2407 | 2409 | 2412 | 2416 | 2419 | 2422 | 2424 | 2425 |
| 25 | 2139 | 2136 | 2133 | 2134 | 2137 | 2140 | 2144 | 2149 | 2150 | 2152 | 2153 | 2155 | 2159 | 2165 | 2171 | 2177 | 2183 | 2186 | 2188 |
| 30 | 1772 | 1769 | 1767 | 1769 | 1774 | 1779 | 1785 | 1791 | 1793 | 1794 | 1795 | 1798 | 1803 | 1810 | 1819 | 1828 | 1836 | 1840 | 1843 |
| 35 | 1200 | 1197 | 1195 | 1198 | 1206 | 1214 | 1223 | 1233 | 1236 | 1239 | 1243 | 1248 | 1259 | 1274 | 1290 | 1307 | 1323 | 1332 | 1341 |
| 40 | 628 | 624 | 622 | 625 | 632 | 642 | 652 | 661 | 665 | 668 | 671 | 675 | 683 | 694 | 706 | 717 | 728 | 734 | 739 |
| 45 | 233 | 233 | 234 | 235 | 238 | 240 | 243 | 247 | 252 | 258 | 263 | 269 | 273 | 276 | 279 | 281 | 283 | 286 | 290 |
| 50 | 119 | 119 | 119 | 119 | 120 | 121 | 121 | 122 | 122 | 123 | 123 | 123 | 124 | 125 | 126 | 127 | 128 | 128 | 129 |
| 55 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 103 | 103 | 103 | 103 | 103 | 103 | 104 | 104 | 104 |
| 60 | 92.2 | 92.0 | 91.8 | 91.7 | 91.8 | 91.9 | 92.0 | 92.1 | 92.1 | 92.2 | 92.3 | 92.4 | 92.6 | 92.8 | 93.1 | 93.3 | 93.6 | 93.9 | 94.1 |
| 65 | 79.8 | 79.6 | 79.4 | 79.3 | 79.4 | 79.4 | 79.5 | 79.6 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0 | 80.2 | 80.4 | 80.7 | 80.9 | 81.1 | 81.3 |
| 70 | 71.0 | 70.8 | 70.7 | 70.7 | 70.9 | 71.1 | 71.3 | 71.4 | 71.4 | 71.3 | 71.1 | 71.0 | 71.0 | 71.0 | 71.1 | 71.2 | 71.3 | 71.5 | 71.6 |
| 75 | 61.8 | 61.7 | 61.7 | 61.8 | 61.9 | 61.9 | 62.0 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.3 | 62.4 | 62.5 | 62.7 | 62.9 | 63.3 | 63.7 |
| 80 | 48.7 | 48.6 | 48.5 | 48.5 | 48.5 | 48.6 | 48.8 | 48.9 | 49.1 | 49.2 | 49.4 | 49.6 | 49.7 | 49.8 | 49.9 | 49.9 | 50.0 | 50.2 | 50.4 |
| 85 | 34.5 | 34.3 | 34.1 | 34.1 | 34.4 | 34.6 | 35.0 | 35.3 | 35.6 | 35.9 | 36.1 | 36.4 | 36.6 | 36.7 | 36.8 | 36.9 | 37.0 | 37.2 | 37.4 |
| 90 | 9.65 | 9.67 | 9.74 | 9.86 | 10.0 | 10.3 | 10.6 | 11.0 | 11.5 | 12.2 | 12.9 | 13.5 | 14.2 | 14.8 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 |
| 95 | 38.2 | 38.6 | 39.0 | 38.9 | 38.5 | 37.9 | 37.4 | 36.9 | 36.9 | 37.0 | 37.2 | 37.5 | 37.9 | 38.4 | 38.8 | 39.2 | 39.5 | 39.4 | 39.2 |
| 100 | 96.7 | 97.9 | 98.7 | 98.1 | 96.0 | 93.7 | 91.3 | 89.3 | 88.9 | 89.0 | 89.7 | 90.7 | 92.4 | 94.6 | 96.7 | 98.7 | 100 | 100.0 | 99.2 |
| 105 | 210 | 210 | 209 | 208 | 206 | 203 | 201 | 200 | 199 | 199 | 199 | 200 | 202 | 204 | 207 | 209 | 212 | 213 | 214 |
| 110 | 395 | 393 | 390 | 388 | 386 | 383 | 381 | 379 | 378 | 377 | 376 | 376 | 378 | 381 | 384 | 388 | 392 | 396 | 399 |
| 115 | 686 | 685 | 684 | 683 | 681 | 680 | 678 | 677 | 677 | 677 | 677 | 678 | 677 | 675 | 674 | 673 | 674 | 681 | 689 |
| 120 | 963 | 958 | 953 | 948 | 945 | 941 | 939 | 938 | 941 | 944 | 948 | 951 | 950 | 945 | 940 | 936 | 933 | 940 | 949 |
| 125 | 1260 | 1257 | 1253 | 1251 | 1250 | 1250 | 1250 | 1252 | 1257 | 1262 | 1267 | 1270 | 1269 | 1264 | 1257 | 1250 | 1243 | 1239 | 1236 |
| 130 | 1556 | 1552 | 1549 | 1547 | 1547 | 1548 | 1550 | 1552 | 1554 | 1556 | 1558 | 1559 | 1558 | 1556 | 1553 | 1550 | 1548 | 1550 | 1552 |
| 135 | 1748 | 1746 | 1744 | 1741 | 1739 | 1736 | 1734 | 1733 | 1734 | 1736 | 1739 | 1742 | 1743 | 1743 | 1744 | 1744 | 1744 | 1747 | 1750 |
| 140 | 1907 | 1905 | 1903 | 1901 | 1899 | 1898 | 1897 | 1897 | 1898 | 1901 | 1903 | 1905 | 1906 | 1906 | 1906 | 1906 | 1906 | 1908 | 1910 |
| 145 | 2046 | 2044 | 2043 | 2041 | 2040 | 2039 | 2038 | 2038 | 2039 | 2040 | 2042 | 2043 | 2044 | 2044 | 2044 | 2043 | 2043 | 2045 | 2047 |
| 150 | 2163 | 2162 | 2160 | 2159 | 2158 | 2157 | 2156 | 2156 | 2157 | 2158 | 2159 | 2161 | 2162 | 2161 | 2161 | 2161 | 2161 | 2163 | 2164 |
| 155 | 2260 | 2258 | 2257 | 2256 | 2255 | 2255 | 2254 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2259 | 2258 | 2258 | 2258 | 2260 | 2261 |
| 160 | 2338 | 2336 | 2335 | 2335 | 2334 | 2334 | 2334 | 2334 | 2334 | 2335 | 2336 | 2336 | 2337 | 2336 | 2336 | 2336 | 2336 | 2337 | 2338 |
| 165 | 2398 | 2396 | 2395 | 2394 | 2393 | 2393 | 2393 | 2393 | 2394 | 2395 | 2396 | 2396 | 2397 | 2397 | 2396 | 2396 | 2396 | 2397 | 2398 |
| 170 | 2442 | 2440 | 2439 | 2438 | 2438 | 2438 | 2438 | 2438 | 2438 | 2439 | 2439 | 2439 | 2439 | 2439 | 2439 | 2439 | 2439 | 2440 | 2441 |
| 175 | 2467 | 2465 | 2464 | 2463 | 2463 | 2463 | 2464 | 2464 | 2464 | 2465 | 2465 | 2465 | 2466 | 2466 | 2466 | 2466 | 2466 | 2466 | 2467 |
| 180 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|----------------------|--|--|--|--|--|------------------|--|--|
| Test:U:229.72V I:0.2678A P:59.683W PF:0.9701 Freq:49.99Hz Lamp Flux:9966.82x1 lm | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: 650*40 | | | | | | SERIAL No.: | | |
| MFR.: NLD25-0017 | | | | | | | | | SUR.:3.14*0325*0.325 | | | | | | Shielding Angle: | | |

Table--4

UNIT: cd

| C(DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 2662 | 2661 | 2661 | 2660 | 2660 | 2659 | 2659 | 2657 | 2656 | 2655 | 2655 | 2656 | 2660 | 2665 | 2671 | | | | |
| 5 | 2655 | 2655 | 2655 | 2655 | 2654 | 2654 | 2653 | 2652 | 2651 | 2650 | 2651 | 2653 | 2656 | 2661 | 2667 | | | | |
| 10 | 2625 | 2625 | 2626 | 2627 | 2627 | 2628 | 2628 | 2627 | 2627 | 2626 | 2626 | 2628 | 2632 | 2637 | 2643 | | | | |
| 15 | 2558 | 2558 | 2559 | 2561 | 2563 | 2565 | 2566 | 2567 | 2567 | 2568 | 2570 | 2572 | 2576 | 2581 | 2587 | | | | |
| 20 | 2426 | 2427 | 2429 | 2432 | 2435 | 2438 | 2441 | 2442 | 2443 | 2445 | 2447 | 2450 | 2455 | 2461 | 2468 | | | | |
| 25 | 2190 | 2192 | 2196 | 2201 | 2207 | 2213 | 2218 | 2219 | 2220 | 2221 | 2223 | 2226 | 2232 | 2238 | 2246 | | | | |
| 30 | 1846 | 1850 | 1857 | 1865 | 1874 | 1883 | 1891 | 1894 | 1896 | 1897 | 1899 | 1902 | 1908 | 1914 | 1922 | | | | |
| 35 | 1349 | 1356 | 1367 | 1380 | 1393 | 1406 | 1417 | 1424 | 1429 | 1433 | 1437 | 1442 | 1448 | 1454 | 1461 | | | | |
| 40 | 743 | 749 | 758 | 770 | 783 | 796 | 807 | 810 | 813 | 814 | 816 | 818 | 823 | 828 | 834 | | | | |
| 45 | 294 | 298 | 303 | 310 | 316 | 323 | 328 | 331 | 334 | 335 | 337 | 339 | 341 | 343 | 346 | | | | |
| 50 | 129 | 130 | 131 | 133 | 134 | 136 | 137 | 138 | 138 | 137 | 137 | 138 | 138 | 139 | 140 | | | | |
| 55 | 104 | 104 | 104 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 106 | 106 | 106 | 107 | | | | |
| 60 | 94.4 | 94.6 | 94.7 | 94.9 | 95.0 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.5 | 95.6 | 95.8 | 95.9 | 96.1 | | | | |
| 65 | 81.5 | 81.7 | 81.9 | 82.1 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.4 | 82.5 | 82.7 | 82.8 | 83.1 | | | | |
| 70 | 71.7 | 71.9 | 72.0 | 72.0 | 72.1 | 72.1 | 72.0 | 71.9 | 71.8 | 71.7 | 71.6 | 71.6 | 71.7 | 71.9 | 72.1 | | | | |
| 75 | 64.1 | 64.5 | 64.8 | 64.9 | 65.0 | 65.0 | 65.0 | 65.1 | 65.3 | 65.4 | 65.4 | 65.5 | 65.5 | 65.4 | 65.3 | | | | |
| 80 | 50.7 | 50.9 | 51.2 | 51.4 | 51.7 | 51.9 | 52.0 | 52.1 | 52.0 | 52.0 | 51.9 | 51.9 | 51.8 | 51.8 | 51.8 | | | | |
| 85 | 37.5 | 37.7 | 37.8 | 38.0 | 38.2 | 38.3 | 38.4 | 38.3 | 38.2 | 38.1 | 37.9 | 37.8 | 37.6 | 37.5 | 37.3 | | | | |
| 90 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 | 20.8 | 20.9 | 21.0 | | | | |
| 95 | 38.9 | 38.6 | 38.4 | 38.4 | 38.4 | 38.5 | 38.6 | 39.1 | 39.6 | 40.0 | 40.4 | 40.4 | 40.1 | 39.6 | 38.9 | | | | |
| 100 | 98.1 | 96.9 | 96.1 | 95.7 | 95.5 | 95.3 | 95.1 | 94.9 | 94.8 | 94.7 | 94.8 | 95.0 | 95.4 | 95.9 | 96.5 | | | | |
| 105 | 214 | 214 | 214 | 213 | 212 | 210 | 208 | 203 | 198 | 194 | 191 | 190 | 193 | 198 | 205 | | | | |
| 110 | 401 | 402 | 402 | 399 | 396 | 392 | 387 | 382 | 376 | 372 | 370 | 371 | 376 | 384 | 394 | | | | |
| 115 | 697 | 704 | 707 | 706 | 703 | 700 | 695 | 691 | 686 | 682 | 680 | 680 | 683 | 689 | 696 | | | | |
| 120 | 958 | 966 | 967 | 963 | 956 | 949 | 942 | 940 | 940 | 940 | 940 | 941 | 942 | 944 | 945 | | | | |
| 125 | 1234 | 1234 | 1236 | 1240 | 1244 | 1249 | 1254 | 1256 | 1258 | 1260 | 1261 | 1262 | 1262 | 1262 | 1261 | | | | |
| 130 | 1554 | 1555 | 1555 | 1552 | 1549 | 1546 | 1543 | 1543 | 1543 | 1544 | 1544 | 1543 | 1541 | 1538 | 1534 | | | | |
| 135 | 1753 | 1755 | 1755 | 1753 | 1750 | 1747 | 1744 | 1744 | 1744 | 1744 | 1743 | 1742 | 1739 | 1735 | 1731 | | | | |
| 140 | 1912 | 1913 | 1914 | 1913 | 1911 | 1910 | 1908 | 1909 | 1910 | 1910 | 1909 | 1907 | 1902 | 1896 | 1889 | | | | |
| 145 | 2049 | 2050 | 2051 | 2052 | 2052 | 2051 | 2051 | 2051 | 2052 | 2052 | 2051 | 2049 | 2045 | 2041 | 2035 | | | | |
| 150 | 2166 | 2167 | 2168 | 2169 | 2169 | 2168 | 2168 | 2169 | 2169 | 2169 | 2169 | 2167 | 2164 | 2161 | 2156 | | | | |
| 155 | 2263 | 2264 | 2265 | 2265 | 2265 | 2265 | 2265 | 2267 | 2268 | 2270 | 2271 | 2270 | 2269 | 2266 | 2263 | | | | |
| 160 | 2340 | 2341 | 2342 | 2342 | 2342 | 2343 | 2343 | 2344 | 2345 | 2346 | 2346 | 2347 | 2347 | 2346 | 2346 | | | | |
| 165 | 2399 | 2400 | 2401 | 2401 | 2401 | 2402 | 2402 | 2403 | 2404 | 2405 | 2405 | 2406 | 2406 | 2406 | 2406 | | | | |
| 170 | 2441 | 2442 | 2443 | 2443 | 2443 | 2443 | 2444 | 2444 | 2445 | 2445 | 2446 | 2446 | 2447 | 2447 | 2447 | | | | |
| 175 | 2468 | 2468 | 2469 | 2469 | 2469 | 2470 | 2470 | 2470 | 2471 | 2471 | 2471 | 2472 | 2472 | 2472 | 2473 | | | | |
| 180 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | 2482 | | | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=0.8547]
Remarks: