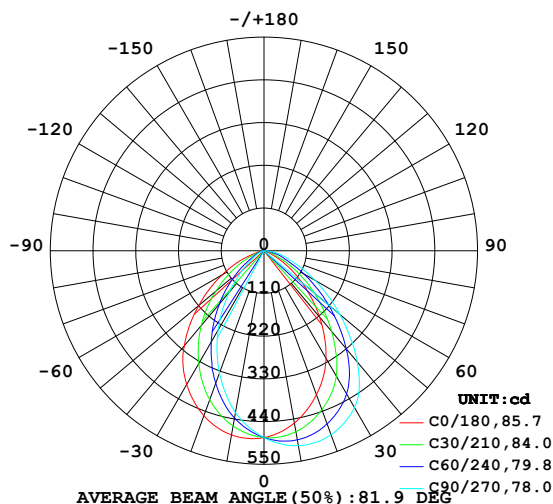


LUMINAIRE PHOTOMETRIC TEST REPORT

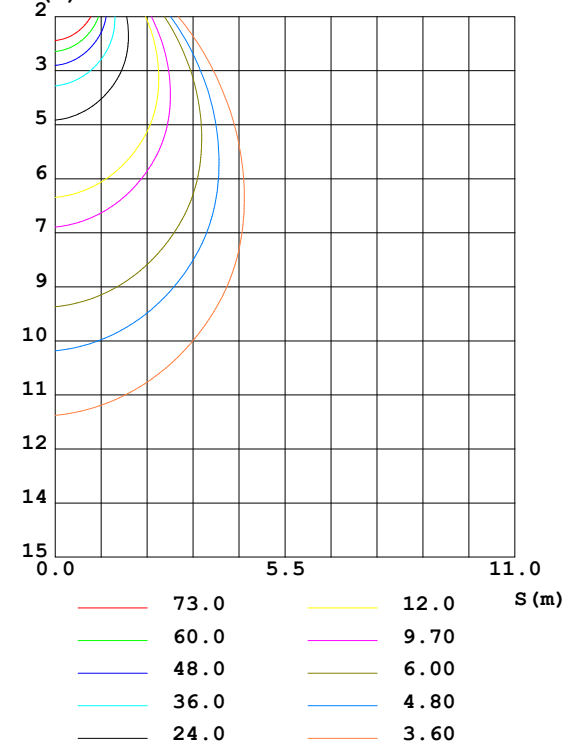
| | | |
|--|--------------------------|-------------|
| Test:U:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: ϕ 77mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 42.58 lm/W | | | |
|-------------------|---------------|----------------------------------|--------|--------------------------|-----------|
| MODEL | CITIZEN-2700K | I _{max} (cd) | 515.4 | S/MH (C0/180) | 1.23 |
| NOMINAL POWER (W) | 21 | LOR (%) | 100.0 | S/MH (C90/270) | 0.84 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 910.01 | η UP, DN (C0-180) | 0.0, 61.2 |
| NOMINAL FLUX (lm) | 910.013 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 38.8 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | CIBSE SHR MAX | 1.15 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jasoan
Test Date: 2023-02-11

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 | 450.5 | 483.7 | 509.5 | 507.4 | 481.5 | 447.8 | 423.5 | 426.1 | 0- 10 | 45.21 | 45.21 | 4.97,4.97 |
| 20 | 394.7 | 455.2 | 504.3 | 500.8 | 452.1 | 386.1 | 335.1 | 346.9 | 10- 20 | 125.8 | 171.0 | 18.8,18.8 |
| 30 | 319.7 | 399.0 | 466.1 | 462.5 | 397.9 | 303.8 | 236.6 | 253.0 | 20- 30 | 179.5 | 350.6 | 38.5,38.5 |
| 40 | 222.7 | 300.2 | 373.8 | 388.0 | 319.0 | 215.2 | 138.6 | 159.2 | 30- 40 | 194.7 | 545.2 | 59.9,59.9 |
| 50 | 128.2 | 192.7 | 255.1 | 273.5 | 219.7 | 127.9 | 60.50 | 76.87 | 40- 50 | 165.7 | 710.9 | 78.1,78.1 |
| 60 | 49.66 | 99.06 | 151.1 | 164.6 | 125.0 | 58.34 | 25.62 | 26.03 | 50- 60 | 111.6 | 822.5 | 90.4,90.4 |
| 70 | 9.345 | 40.27 | 71.80 | 76.29 | 46.54 | 19.04 | 10.15 | 8.457 | 60- 70 | 57.78 | 880.3 | 96.7,96.7 |
| 80 | 1.797 | 12.00 | 31.11 | 31.21 | 9.467 | 5.584 | 3.337 | 2.232 | 70- 80 | 23.35 | 903.6 | 99.3,99.3 |
| 90 | 0.1192 | 0.0924 | 0.5074 | 4.791 | 1.577 | 1.125 | 0.3874 | 0.4045 | 80- 90 | 6.386 | 910.0 | 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): 633.97 lm

%lum = 69.7%

%lamp = 69.7%

Conical surface Flux(120deg): 822.5 lm

%lum = 90.4%

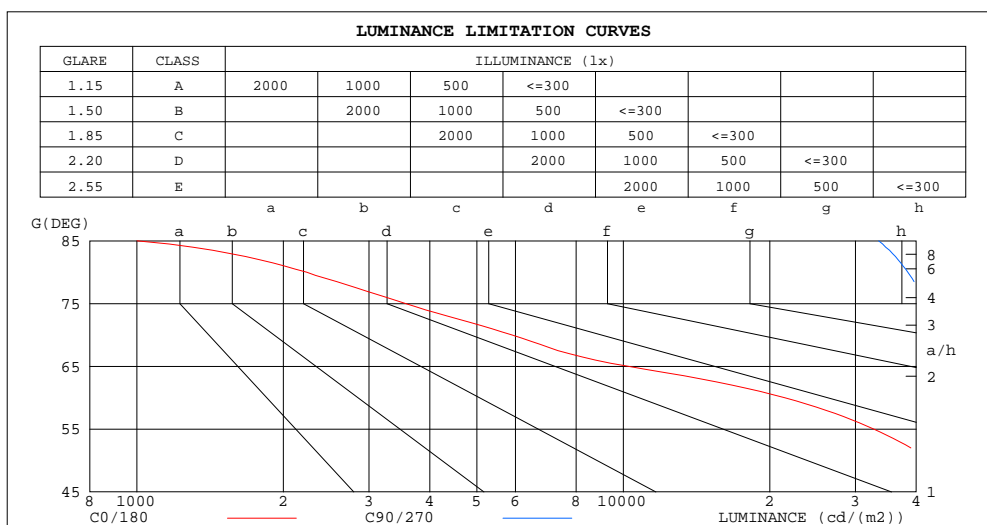
%lamp = 90.4%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: $\phi 77\text{mm} \times H100\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 1000 | 33477 |
| 80 | 2235 | 38427 |
| 75 | 3570 | 41929 |
| 70 | 5901 | 45030 |
| 65 | 10235 | 54522 |
| 60 | 21448 | 64807 |
| 55 | 32722 | 74949 |
| 50 | 43084 | 85120 |
| 45 | 53191 | 95015 |

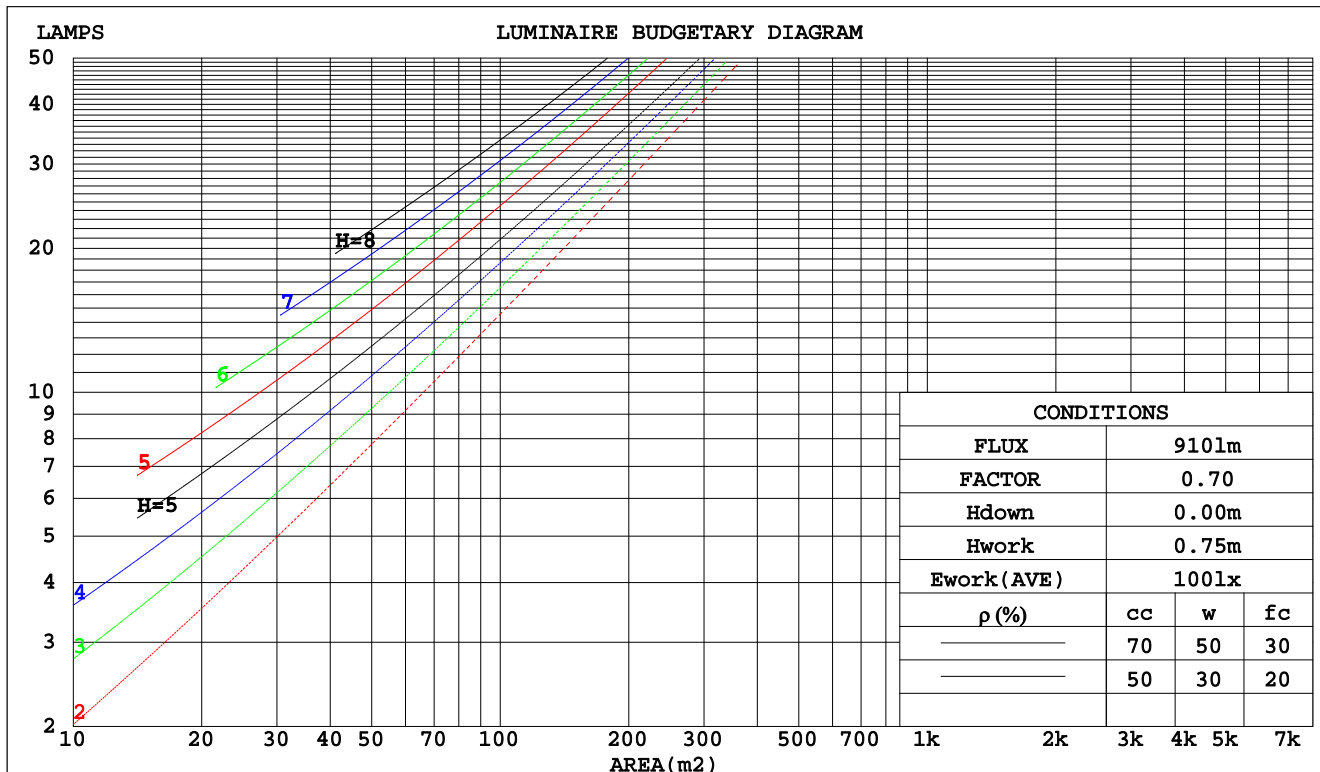
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: ϕ 77mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.07 | 1.04 | 1.00 | 1.05 | 1.02 | .99 | 1.01 | .98 | .96 | .97 | .95 | .93 | .93 | .92 | .90 | .88 |
| 2.0 | .96 | .90 | .85 | .94 | .89 | .84 | .90 | .86 | .82 | .87 | .84 | .81 | .84 | .81 | .79 | .77 |
| 3.0 | .86 | .79 | .73 | .84 | .78 | .73 | .82 | .76 | .72 | .79 | .74 | .70 | .76 | .73 | .69 | .67 |
| 4.0 | .77 | .70 | .64 | .76 | .69 | .64 | .74 | .68 | .63 | .72 | .66 | .62 | .70 | .65 | .61 | .59 |
| 5.0 | .70 | .62 | .56 | .69 | .62 | .56 | .67 | .61 | .56 | .65 | .60 | .55 | .64 | .59 | .55 | .53 |
| 6.0 | .64 | .56 | .50 | .63 | .56 | .50 | .61 | .55 | .50 | .60 | .54 | .49 | .58 | .53 | .49 | .47 |
| 7.0 | .59 | .51 | .45 | .58 | .50 | .45 | .56 | .50 | .45 | .55 | .49 | .44 | .54 | .48 | .44 | .42 |
| 8.0 | .54 | .46 | .41 | .53 | .46 | .41 | .52 | .45 | .41 | .51 | .45 | .40 | .50 | .44 | .40 | .38 |
| 9.0 | .50 | .42 | .37 | .49 | .42 | .37 | .48 | .42 | .37 | .47 | .41 | .37 | .46 | .41 | .37 | .35 |
| 10.0 | .46 | .39 | .34 | .46 | .39 | .34 | .45 | .38 | .34 | .44 | .38 | .34 | .43 | .38 | .34 | .32 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: \varnothing 77mm*H100mm | |
| 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 | .250 | .142 | .045 | .243 | .139 | .044 | .230 | .132 | .042 | .218 | .126 | .040 | .207 | .120 | .039 | | |
| 2.0 | .241 | .132 | .041 | .235 | .130 | .040 | .224 | .125 | .039 | .214 | .120 | .037 | .204 | .115 | .036 | | |
| 3.0 | .228 | .121 | .036 | .223 | .119 | .036 | .213 | .115 | .035 | .204 | .112 | .034 | .195 | .108 | .033 | | |
| 4.0 | .214 | .111 | .033 | .210 | .110 | .032 | .201 | .107 | .032 | .193 | .104 | .031 | .186 | .101 | .031 | | |
| 5.0 | .201 | .103 | .030 | .197 | .101 | .030 | .190 | .099 | .029 | .183 | .096 | .029 | .176 | .094 | .028 | | |
| 6.0 | .189 | .095 | .027 | .186 | .094 | .027 | .179 | .092 | .027 | .173 | .090 | .026 | .167 | .088 | .026 | | |
| 7.0 | .178 | .088 | .025 | .175 | .087 | .025 | .169 | .085 | .025 | .163 | .084 | .024 | .158 | .082 | .024 | | |
| 8.0 | .168 | .082 | .023 | .165 | .081 | .023 | .160 | .080 | .023 | .155 | .078 | .023 | .150 | .077 | .022 | | |
| 9.0 | .159 | .077 | .021 | .156 | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 | .142 | .072 | .021 | | |
| 10.0 | .151 | .072 | .020 | .148 | .072 | .020 | .144 | .070 | .020 | .140 | .069 | .020 | .136 | .068 | .020 | | |

| 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 | .176 | .157 | .139 | .151 | .134 | .120 | .103 | .093 | .083 | .059 | .054 | .048 | .019 | .017 | .016 | | |
| 2.0 | .165 | .132 | .104 | .142 | .114 | .090 | .097 | .079 | .063 | .056 | .046 | .037 | .018 | .015 | .012 | | |
| 3.0 | .156 | .114 | .080 | .134 | .098 | .070 | .092 | .068 | .049 | .053 | .040 | .029 | .017 | .013 | .009 | | |
| 4.0 | .148 | .100 | .063 | .127 | .087 | .055 | .088 | .060 | .039 | .051 | .035 | .023 | .016 | .012 | .008 | | |
| 5.0 | .141 | .089 | .051 | .121 | .077 | .045 | .083 | .054 | .032 | .048 | .032 | .019 | .016 | .010 | .006 | | |
| 6.0 | .134 | .081 | .043 | .115 | .070 | .037 | .079 | .049 | .026 | .046 | .029 | .016 | .015 | .009 | .005 | | |
| 7.0 | .128 | .074 | .036 | .110 | .064 | .031 | .076 | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 | | |
| 8.0 | .122 | .068 | .031 | .105 | .059 | .027 | .072 | .041 | .019 | .042 | .024 | .011 | .014 | .008 | .004 | | |
| 9.0 | .116 | .063 | .027 | .100 | .055 | .024 | .069 | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 | | |
| 10.0 | .111 | .059 | .024 | .096 | .051 | .021 | .066 | .036 | .015 | .039 | .021 | .009 | .013 | .007 | .003 | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | | | | | | | | | |
| NAME: VW68-18W-927-WW | | | | | TYPE:Downlight | | | SERIAL No.: | | |
| SPEC.:2700K | | | | | DIM.: $\phi 77\text{mm} \times H100\text{mm}$ | | | | | |
| 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 | 25.1 | 26.5 | 25.4 | 26.7 | 26.8 | 28.2 | 29.5 | 28.4 | 29.7 | 29.9 |
| 3H | 25.1 | 26.4 | 25.4 | 26.6 | 26.8 | 29.0 | 30.2 | 29.3 | 30.4 | 30.6 |
| 4H | 25.1 | 26.2 | 25.4 | 26.5 | 26.7 | 29.3 | 30.5 | 29.6 | 30.7 | 31.0 |
| 6H | 25.0 | 26.1 | 25.3 | 26.3 | 26.6 | 29.6 | 30.7 | 29.9 | 30.9 | 31.2 |
| 8H | 24.9 | 26.0 | 25.3 | 26.3 | 26.5 | 29.7 | 30.7 | 30.0 | 31.0 | 31.3 |
| 12H | 24.9 | 25.9 | 25.2 | 26.2 | 26.5 | 29.7 | 30.7 | 30.1 | 31.0 | 31.3 |
| 4H 2H | 25.6 | 26.8 | 25.9 | 27.0 | 27.2 | 28.2 | 29.4 | 28.5 | 29.6 | 29.9 |
| 3H | 25.7 | 26.7 | 26.1 | 27.0 | 27.3 | 29.2 | 30.2 | 29.5 | 30.4 | 30.7 |
| 4H | 25.7 | 26.6 | 26.1 | 26.9 | 27.3 | 29.6 | 30.5 | 30.0 | 30.8 | 31.1 |
| 6H | 25.7 | 26.5 | 26.1 | 26.8 | 27.2 | 30.0 | 30.8 | 30.4 | 31.1 | 31.5 |
| 8H | 25.6 | 26.4 | 26.0 | 26.7 | 27.1 | 30.1 | 30.9 | 30.5 | 31.2 | 31.6 |
| 12H | 25.6 | 26.3 | 26.0 | 26.6 | 27.0 | 30.2 | 30.9 | 30.6 | 31.3 | 31.7 |
| 8H 4H | 25.9 | 26.6 | 26.3 | 27.0 | 27.4 | 29.6 | 30.3 | 30.0 | 30.7 | 31.0 |
| 6H | 25.9 | 26.5 | 26.3 | 26.9 | 27.3 | 30.0 | 30.6 | 30.5 | 31.0 | 31.4 |
| 8H | 25.9 | 26.4 | 26.3 | 26.8 | 27.3 | 30.2 | 30.7 | 30.7 | 31.2 | 31.6 |
| 12H | 25.8 | 26.3 | 26.3 | 26.7 | 27.2 | 30.3 | 30.8 | 30.8 | 31.2 | 31.7 |
| 12H 4H | 25.9 | 26.6 | 26.3 | 27.0 | 27.4 | 29.5 | 30.2 | 29.9 | 30.6 | 31.0 |
| 6H | 25.9 | 26.5 | 26.4 | 26.9 | 27.3 | 30.0 | 30.5 | 30.4 | 30.9 | 31.4 |
| 8H | 25.9 | 26.3 | 26.4 | 26.8 | 27.3 | 30.2 | 30.6 | 30.7 | 31.1 | 31.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.0 / - 1.4 | | | | | + 0.3 / - 0.4 | | | | |
| 1.5H | + 0.5 / - 1.1 | | | | | + 0.3 / - 0.6 | | | | |
| 2.0H | + 1.4 / - 2.8 | | | | | + 1.0 / - 1.2 | | | | |

CIE Pub.117, 910.0 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.3$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: $\varnothing 77\text{mm} \times H100\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |

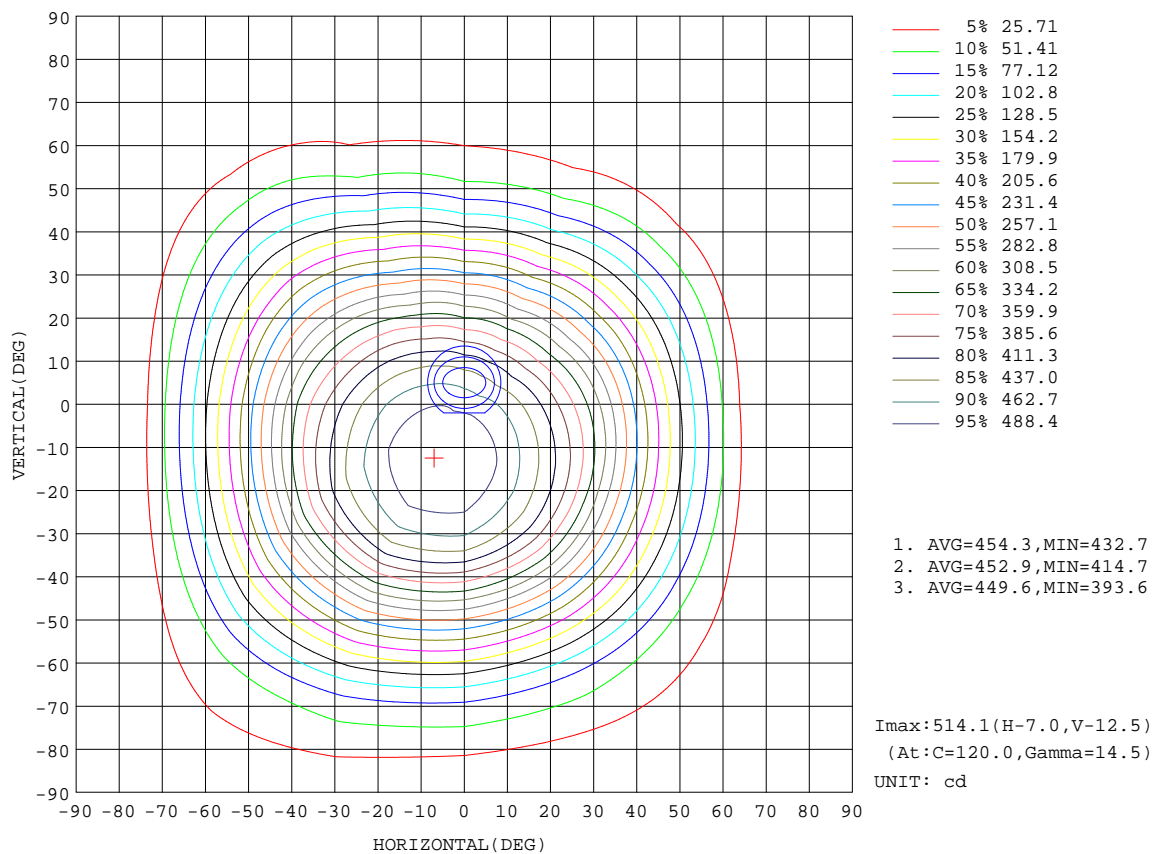
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 66 | 56 | 50 | 66 | 56 | 50 | 65 | 55 | 50 | 44 |
| 0.80 | 76 | 66 | 60 | 75 | 66 | 60 | 74 | 65 | 60 | 54 |
| 1.00 | 84 | 75 | 69 | 83 | 74 | 69 | 81 | 75 | 68 | 62 |
| 1.25 | 91 | 82 | 76 | 89 | 81 | 76 | 87 | 80 | 75 | 69 |
| 1.50 | 95 | 87 | 81 | 93 | 86 | 81 | 91 | 85 | 80 | 74 |
| 2.00 | 101 | 94 | 89 | 99 | 93 | 88 | 96 | 91 | 86 | 80 |
| 2.50 | 104 | 97 | 93 | 102 | 96 | 92 | 98 | 93 | 90 | 82 |
| 3.00 | 106 | 101 | 96 | 104 | 99 | 95 | 100 | 96 | 93 | 86 |
| 4.00 | 109 | 105 | 101 | 107 | 103 | 100 | 103 | 100 | 97 | 89 |
| 5.00 | 111 | 107 | 104 | 109 | 105 | 103 | 105 | 102 | 99 | 91 |
| 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:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: ϕ 77mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |



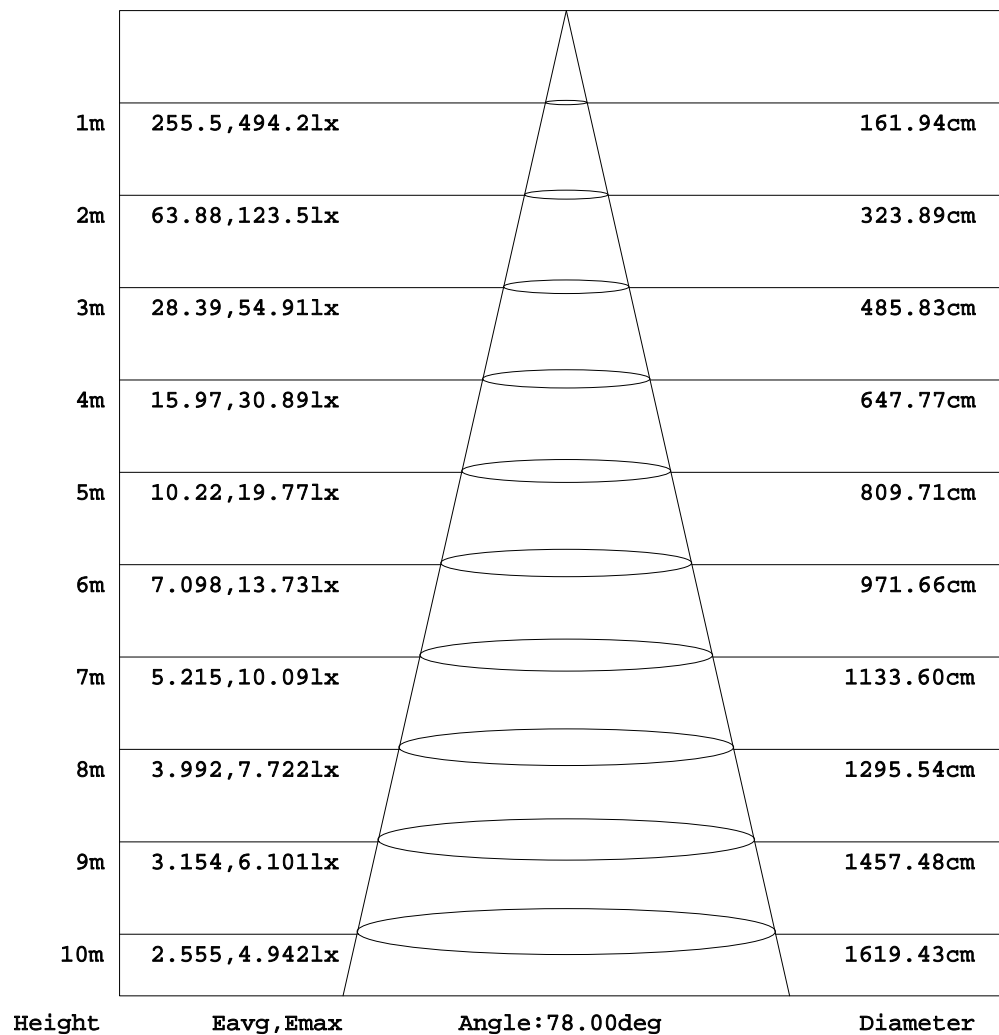
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: $\phi 77\text{mm} \times H100\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |

Flux out:526.4 lm



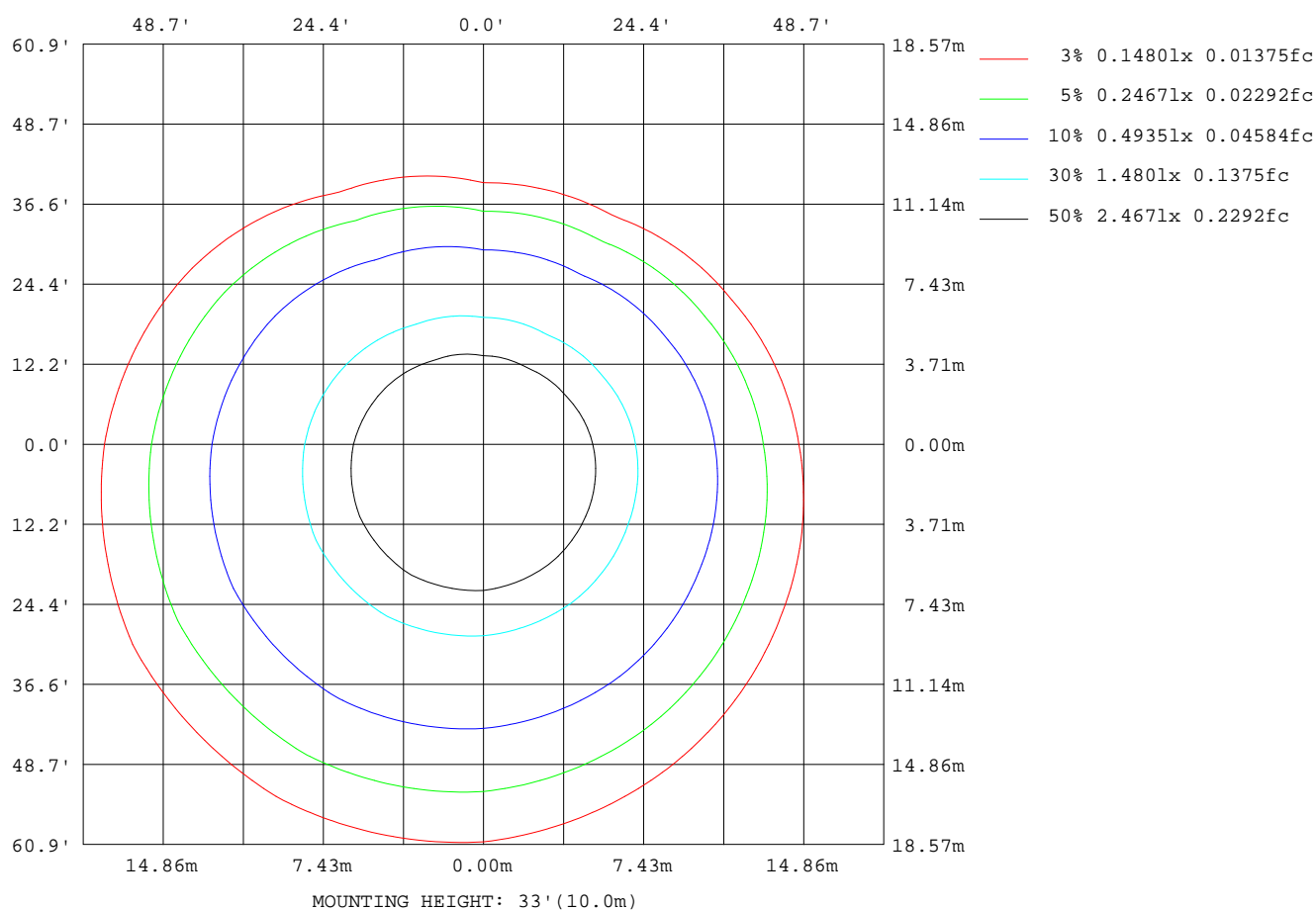
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jasoan
Test Date:2023-02-11

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:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: $\phi 77\text{mm} \times \text{H}100\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jasoan
Test Date: 2023-02-11

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

| | | |
|--|--------------------------|-------------|
| Test:U:220.3V I:0.1021A P:21.37W PF:0.9474 Freq:49.90Hz Lamp Flux:910.013x1 lm | | |
| NAME: VW68-18W-927-WW | TYPE:Downlight | SERIAL No.: |
| SPEC.:2700K | DIM.: ϕ 77mm*H100mm | |
| MFR.: NEKO LIGHTING AG | | |

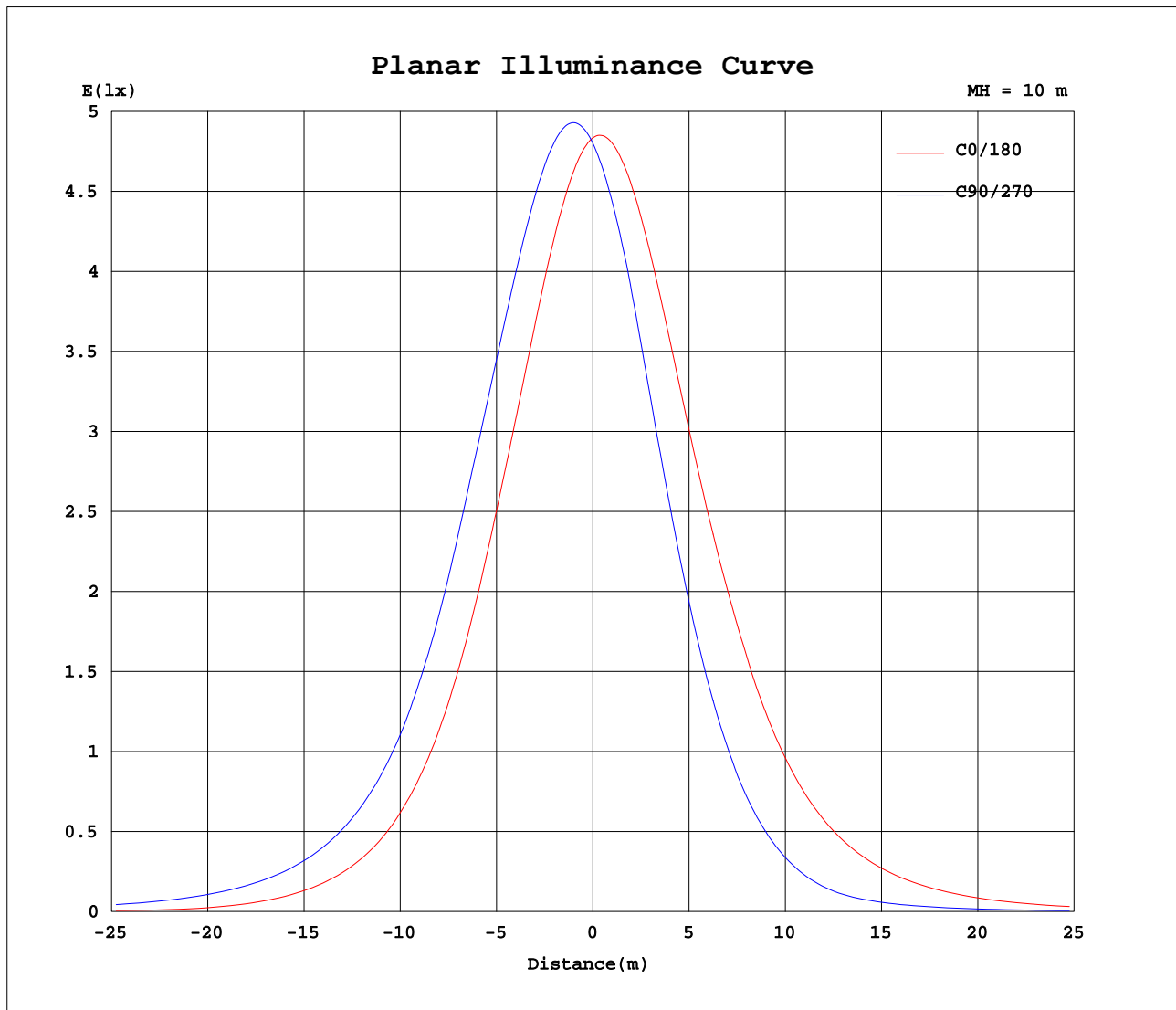
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 26345 |
| L_0~180 (75) av | 9600 |
| L_0~180 (85) av | 5743 |
| L_90~270 (65) av | 31481 |
| L_90~270 (75) av | 23505 |
| L_90~270 (85) av | 18734 |
| L_45 (65) av | 29075 |
| L_45 (75) av | 18367 |
| L_45 (85) av | 14057 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Jasoan
 Test Date:2023-02-11

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jasoan
Test Date: 2023-02-11

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:

```

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:

```