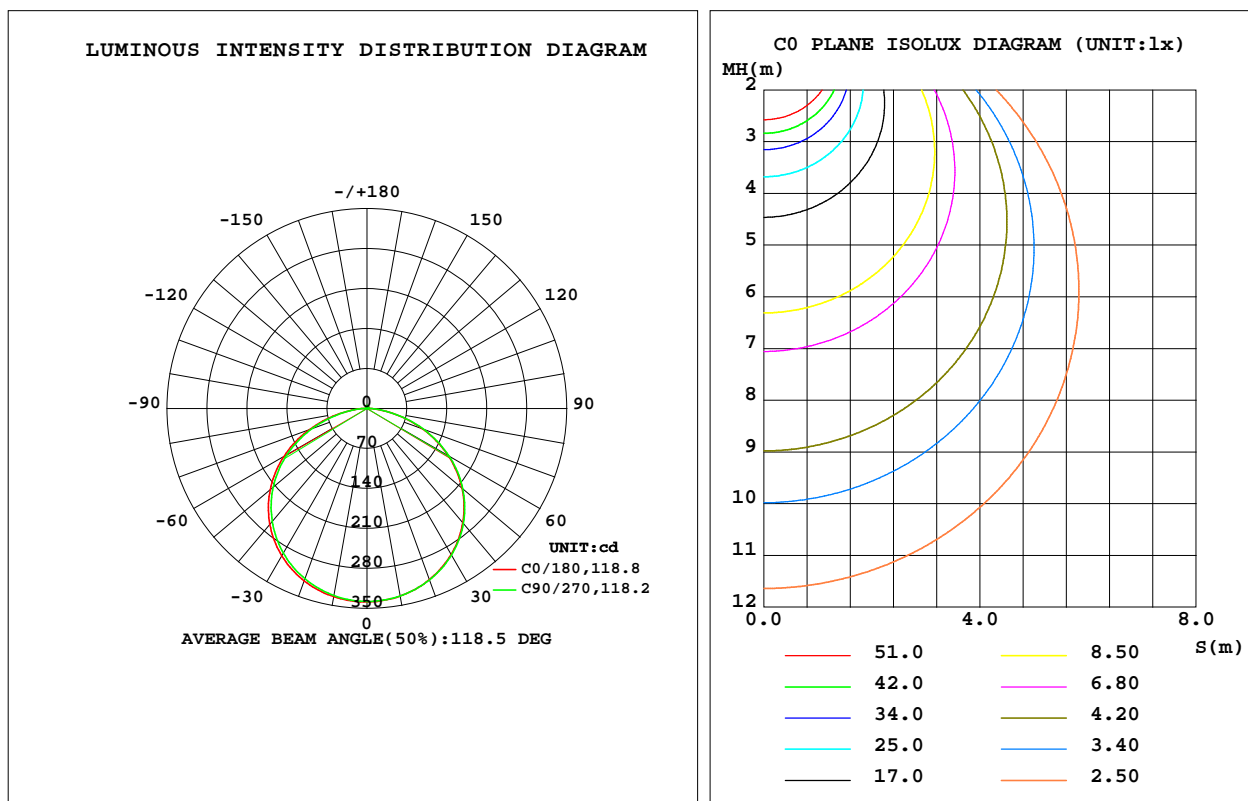


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 213.63 lm/W | | | |
|------------------|------------|-----------------------------------|--------|-------------------|----------|
| MODEL | D8902410NO | I _{max} (cd) | 338.7 | S/MH(C0/180) | 1.30 |
| NOMINAL POWER(W) | 4.8 | LOR(%) | 100.0 | S/MH(C90/270) | 1.29 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 1046.8 | h UP,DN(C0-180) | 0.9,49.4 |
| NOMINAL FLUX(lm) | 1046.79 | CIE CLASS | DIRECT | h UP,DN(C180-360) | 0.8,48.9 |
| LAMPS INSIDE | 1 | h up(%) | 1.7 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 24 | h down(%) | 98.3 | CIBSE SHR MAX | 1.50 |



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

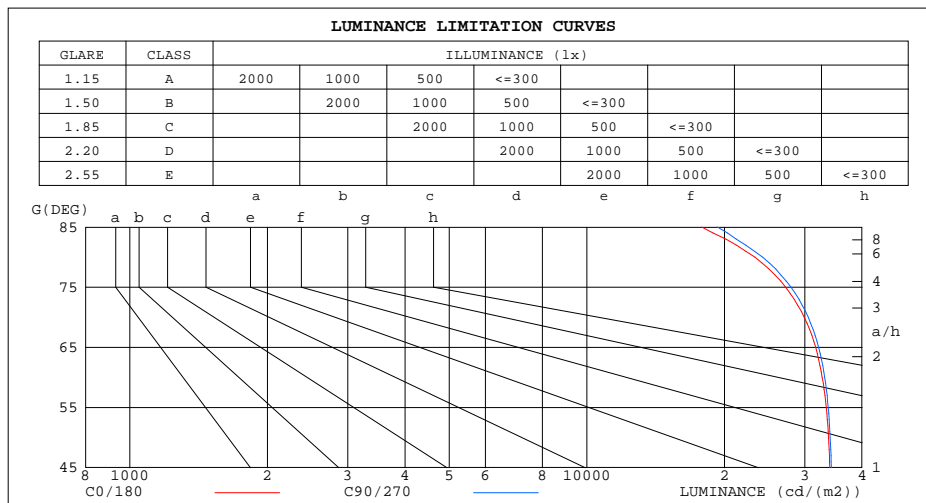
| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10 | 333.6 | 333.5 | 333.3 | 334.3 | 334.6 | 333.7 | 332.5 | 332.5 | 0- 10 | 32.06 | 32.06 | 3.06,3.06 |
| 20 | 319.1 | 319.3 | 319.5 | 321.1 | 321.3 | 319.2 | 317.4 | 317.0 | 10- 20 | 92.52 | 124.6 | 11.9,11.9 |
| 30 | 295.1 | 295.6 | 296.3 | 298.4 | 298.1 | 294.9 | 292.6 | 292.0 | 20- 30 | 142.3 | 266.8 | 25.5,25.5 |
| 40 | 261.1 | 262.1 | 262.9 | 265.5 | 264.9 | 260.9 | 258.2 | 257.3 | 30- 40 | 175.0 | 441.9 | 42.2,42.2 |
| 50 | 217.3 | 218.5 | 219.2 | 222.4 | 221.5 | 217.0 | 214.5 | 213.1 | 40- 50 | 185.8 | 627.7 | 60,60 |
| 60 | 163.7 | 165.2 | 165.8 | 169.2 | 168.1 | 163.9 | 161.7 | 160.0 | 50- 60 | 171.9 | 799.6 | 76.4,76.4 |
| 70 | 102.3 | 104.0 | 104.4 | 107.6 | 106.5 | 102.9 | 101.3 | 99.40 | 60- 70 | 133.2 | 932.8 | 89.1,89.1 |
| 80 | 40.50 | 42.24 | 42.12 | 44.85 | 43.62 | 41.64 | 40.75 | 39.29 | 70- 80 | 75.98 | 1009 | 96.4,96.4 |
| 90 | 3.380 | 3.458 | 1.941 | 4.188 | 2.944 | 2.892 | 1.480 | 2.833 | 80- 90 | 20.59 | 1029 | 98.3,98.3 |
| 100 | 1.376 | 1.390 | 1.169 | 1.356 | 0.9305 | 0.8454 | 0.8837 | 0.9394 | 90-100 | 1.366 | 1031 | 98.5,98.5 |
| 110 | 2.081 | 2.013 | 1.834 | 1.885 | 1.864 | 1.603 | 2.000 | 1.688 | 100-110 | 1.548 | 1032 | 98.6,98.6 |
| 120 | 2.992 | 2.988 | 2.964 | 2.767 | 2.721 | 2.317 | 2.940 | 2.758 | 110-120 | 2.328 | 1035 | 98.8,98.8 |
| 130 | 3.754 | 3.795 | 3.733 | 3.474 | 3.448 | 2.952 | 3.447 | 3.612 | 120-130 | 2.852 | 1037 | 99.1,99.1 |
| 140 | 4.274 | 4.355 | 4.225 | 3.989 | 3.995 | 3.500 | 3.701 | 4.094 | 130-140 | 2.931 | 1040 | 99.4,99.4 |
| 150 | 4.595 | 4.575 | 4.461 | 4.409 | 4.275 | 4.041 | 3.814 | 4.148 | 140-150 | 2.614 | 1043 | 99.6,99.6 |
| 160 | 4.981 | 4.569 | 4.542 | 4.769 | 4.609 | 4.362 | 3.981 | 4.155 | 150-160 | 2.030 | 1045 | 99.8,99.8 |
| 170 | 4.983 | 4.609 | 4.942 | 4.956 | 4.681 | 4.595 | 4.689 | 4.255 | 160-170 | 1.299 | 1046 | 100,100 |
| 180 | 4.916 | 5.304 | 5.658 | 5.557 | 4.916 | 5.290 | 5.671 | 5.531 | 170-180 | 0.4652 | 1047 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-01-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(180) | C0/180 | C90/270 |
| 85 | 17853 | 19303 |
| 80 | 23322 | 24256 |
| 75 | 27248 | 27994 |
| 70 | 29916 | 30530 |
| 65 | 31670 | 32164 |
| 60 | 32745 | 33161 |
| 55 | 33425 | 33757 |
| 50 | 33812 | 34095 |
| 45 | 34007 | 34266 |

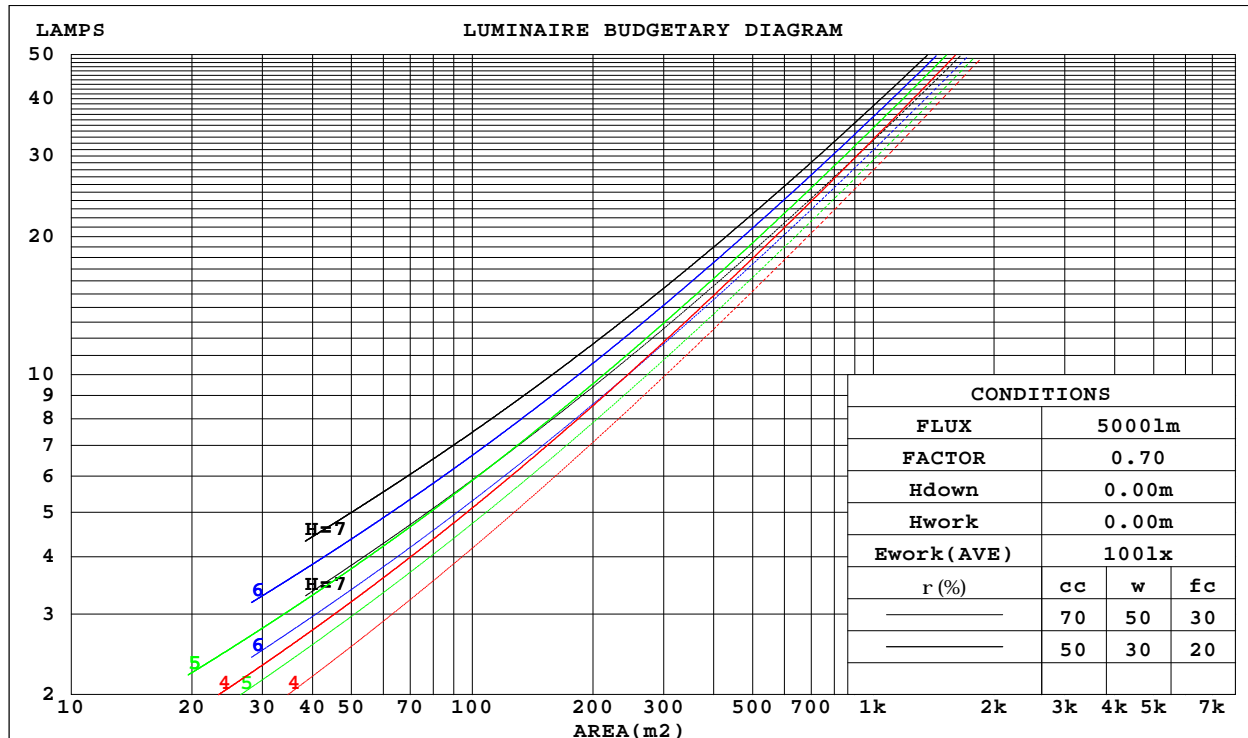
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-01-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |

| r _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r _{fc} | 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 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0 | 1.03 | .99 | .95 | 1.01 | .97 | .93 | .96 | .93 | .90 | .92 | .89 | .87 | .88 | .86 | .84 | .82 |
| 2.0 | .90 | .83 | .77 | .88 | .81 | .76 | .84 | .78 | .74 | .80 | .76 | .72 | .77 | .73 | .70 | .68 |
| 3.0 | .78 | .70 | .63 | .77 | .69 | .63 | .73 | .67 | .61 | .70 | .65 | .60 | .68 | .63 | .59 | .57 |
| 4.0 | .69 | .60 | .53 | .68 | .59 | .53 | .65 | .58 | .52 | .63 | .56 | .51 | .60 | .55 | .50 | .48 |
| 5.0 | .62 | .53 | .46 | .60 | .52 | .45 | .58 | .51 | .45 | .56 | .49 | .44 | .54 | .48 | .44 | .41 |
| 6.0 | .55 | .46 | .40 | .54 | .46 | .40 | .52 | .45 | .39 | .51 | .44 | .39 | .49 | .43 | .38 | .36 |
| 7.0 | .50 | .41 | .35 | .49 | .41 | .35 | .48 | .40 | .34 | .46 | .39 | .34 | .44 | .38 | .34 | .32 |
| 8.0 | .46 | .37 | .31 | .45 | .37 | .31 | .43 | .36 | .31 | .42 | .35 | .30 | .41 | .35 | .30 | .28 |
| 9.0 | .42 | .34 | .28 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .27 | .38 | .32 | .27 | .25 |
| 10.0 | .39 | .31 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .36 | .29 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |

| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| rfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .315 | .179 | .057 | .307 | .175 | .056 | .293 | .168 | .054 | .280 | .161 | .052 | .268 | .155 | .050 | |
| 2.0 | .296 | .162 | .050 | .289 | .159 | .049 | .277 | .154 | .048 | .265 | .149 | .047 | .254 | .144 | .045 | |
| 3.0 | .273 | .146 | .044 | .267 | .143 | .043 | .256 | .139 | .042 | .246 | .135 | .041 | .236 | .131 | .040 | |
| 4.0 | .252 | .131 | .039 | .247 | .129 | .038 | .237 | .126 | .038 | .228 | .122 | .037 | .219 | .119 | .036 | |
| 5.0 | .233 | .119 | .034 | .228 | .117 | .034 | .219 | .114 | .034 | .211 | .111 | .033 | .203 | .109 | .033 | |
| 6.0 | .216 | .108 | .031 | .211 | .107 | .031 | .203 | .104 | .030 | .196 | .102 | .030 | .189 | .100 | .030 | |
| 7.0 | .201 | .099 | .028 | .197 | .098 | .028 | .190 | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 | |
| 8.0 | .187 | .091 | .026 | .184 | .090 | .026 | .177 | .089 | .025 | .171 | .087 | .025 | .166 | .085 | .025 | |
| 9.0 | .175 | .085 | .024 | .172 | .084 | .024 | .166 | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 | |
| 10.0 | .165 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .152 | .075 | .021 | .147 | .074 | .021 | |

| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| rfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | | | | |
| 0.0 | .203 | .203 | .203 | .174 | .174 | .174 | .119 | .119 | .119 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .193 | .169 | .147 | .166 | .145 | .126 | .113 | .100 | .087 | .065 | .058 | .051 | .021 | .019 | .016 | |
| 2.0 | .186 | .145 | .110 | .159 | .125 | .095 | .109 | .086 | .067 | .063 | .050 | .039 | .020 | .016 | .013 | |
| 3.0 | .178 | .127 | .087 | .153 | .110 | .075 | .105 | .076 | .053 | .061 | .045 | .031 | .019 | .014 | .010 | |
| 4.0 | .171 | .114 | .071 | .146 | .099 | .062 | .101 | .069 | .043 | .058 | .040 | .026 | .019 | .013 | .008 | |
| 5.0 | .163 | .104 | .060 | .140 | .090 | .052 | .097 | .063 | .037 | .056 | .037 | .022 | .018 | .012 | .007 | |
| 6.0 | .156 | .095 | .052 | .134 | .083 | .045 | .093 | .058 | .032 | .054 | .034 | .019 | .017 | .011 | .006 | |
| 7.0 | .149 | .089 | .046 | .128 | .077 | .040 | .089 | .054 | .028 | .052 | .032 | .017 | .017 | .010 | .006 | |
| 8.0 | .143 | .083 | .042 | .123 | .072 | .036 | .085 | .050 | .026 | .049 | .030 | .015 | .016 | .010 | .005 | |
| 9.0 | .137 | .078 | .038 | .118 | .068 | .033 | .082 | .048 | .024 | .047 | .028 | .014 | .015 | .009 | .005 | |
| 10.0 | .131 | .074 | .035 | .113 | .064 | .031 | .078 | .045 | .022 | .046 | .027 | .013 | .015 | .009 | .004 | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|---------------------|---------------|----------------|------------------|------|------|------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | | | | | | | | | | |
| NAME: D8902410NO | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.:D8902410NO-8WNSA012WC0100 | | | | | DIM.: 1000*10*1.5mm | | | SERIAL No.:01 | | | |
| MFR.: COLORS | | | | | SUR.:1000*10 | | | 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 | 24.9 | 26.4 | 25.2 | 26.7 | 26.9 | 25.0 | 26.5 | 25.3 | 26.7 | 27.0 | |
| | 3H | 26.5 | 27.9 | 26.8 | 28.1 | 28.4 | 26.5 | 27.9 | 26.9 | 28.2 | 28.5 |
| | 4H | 27.1 | 28.4 | 27.4 | 28.7 | 29.0 | 27.1 | 28.5 | 27.5 | 28.8 | 29.1 |
| | 6H | 27.5 | 28.7 | 27.8 | 29.0 | 29.3 | 27.6 | 28.8 | 27.9 | 29.1 | 29.4 |
| | 8H | 27.6 | 28.8 | 27.9 | 29.1 | 29.4 | 27.7 | 28.9 | 28.0 | 29.2 | 29.5 |
| | 12H | 27.6 | 28.8 | 28.0 | 29.1 | 29.4 | 27.7 | 28.9 | 28.1 | 29.2 | 29.6 |
| 4H | 2H | 25.6 | 26.9 | 25.9 | 27.2 | 27.5 | 25.6 | 26.9 | 25.9 | 27.2 | 27.5 |
| | 3H | 27.3 | 28.4 | 27.7 | 28.8 | 29.1 | 27.3 | 28.5 | 27.7 | 28.8 | 29.2 |
| | 4H | 28.0 | 29.1 | 28.4 | 29.4 | 29.8 | 28.1 | 29.1 | 28.5 | 29.5 | 29.8 |
| | 6H | 28.5 | 29.4 | 28.9 | 29.8 | 30.2 | 28.6 | 29.5 | 29.0 | 29.9 | 30.3 |
| | 8H | 28.7 | 29.5 | 29.1 | 29.9 | 30.4 | 28.8 | 29.6 | 29.2 | 30.0 | 30.5 |
| | 12H | 28.7 | 29.5 | 29.2 | 30.0 | 30.4 | 28.8 | 29.7 | 29.3 | 30.1 | 30.5 |
| 8H | 4H | 28.3 | 29.1 | 28.7 | 29.5 | 30.0 | 28.3 | 29.2 | 28.8 | 29.6 | 30.0 |
| | 6H | 28.9 | 29.6 | 29.4 | 30.1 | 30.5 | 29.0 | 29.7 | 29.5 | 30.2 | 30.6 |
| | 8H | 29.1 | 29.8 | 29.6 | 30.2 | 30.7 | 29.2 | 29.9 | 29.7 | 30.3 | 30.8 |
| | 12H | 29.3 | 29.8 | 29.8 | 30.3 | 30.8 | 29.4 | 29.9 | 29.9 | 30.4 | 30.9 |
| 12H | 4H | 28.3 | 29.1 | 28.7 | 29.5 | 29.9 | 28.3 | 29.1 | 28.8 | 29.5 | 30.0 |
| | 6H | 29.0 | 29.6 | 29.4 | 30.1 | 30.5 | 29.0 | 29.7 | 29.5 | 30.1 | 30.6 |
| | 8H | 29.2 | 29.8 | 29.7 | 30.3 | 30.8 | 29.3 | 29.9 | 29.8 | 30.3 | 30.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | | |

CIE Pub.117, 1047 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.2)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |

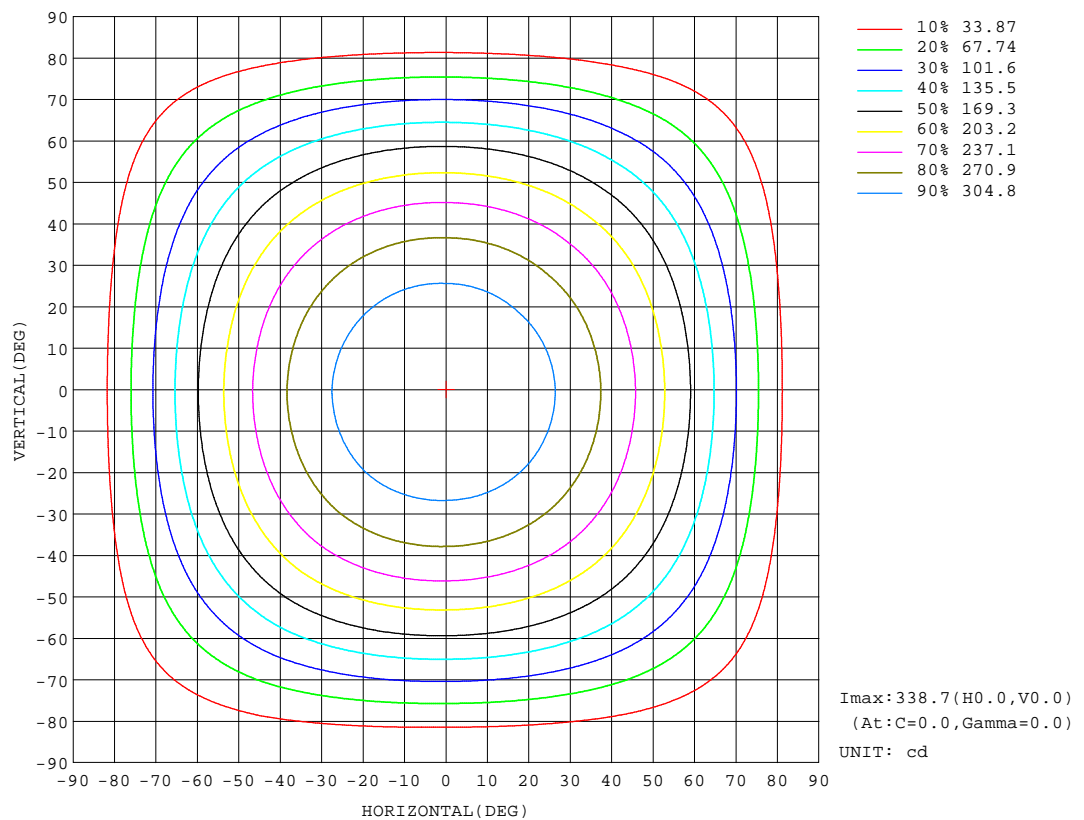
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 56 | 44 | 37 | 55 | 44 | 37 | 54 | 43 | 37 | 30 |
| 0.80 | 66 | 54 | 47 | 65 | 54 | 47 | 63 | 53 | 46 | 39 |
| 1.00 | 75 | 63 | 56 | 73 | 63 | 55 | 71 | 64 | 55 | 47 |
| 1.25 | 82 | 71 | 64 | 80 | 70 | 63 | 77 | 69 | 62 | 55 |
| 1.50 | 87 | 77 | 70 | 85 | 76 | 69 | 82 | 74 | 68 | 60 |
| 2.00 | 94 | 85 | 78 | 92 | 84 | 78 | 88 | 81 | 76 | 68 |
| 2.50 | 98 | 90 | 84 | 96 | 88 | 83 | 92 | 86 | 81 | 72 |
| 3.00 | 101 | 94 | 89 | 99 | 93 | 87 | 95 | 89 | 85 | 76 |
| 4.00 | 105 | 100 | 95 | 103 | 98 | 93 | 98 | 94 | 90 | 81 |
| 5.00 | 108 | 103 | 99 | 105 | 101 | 97 | 101 | 97 | 94 | 84 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |



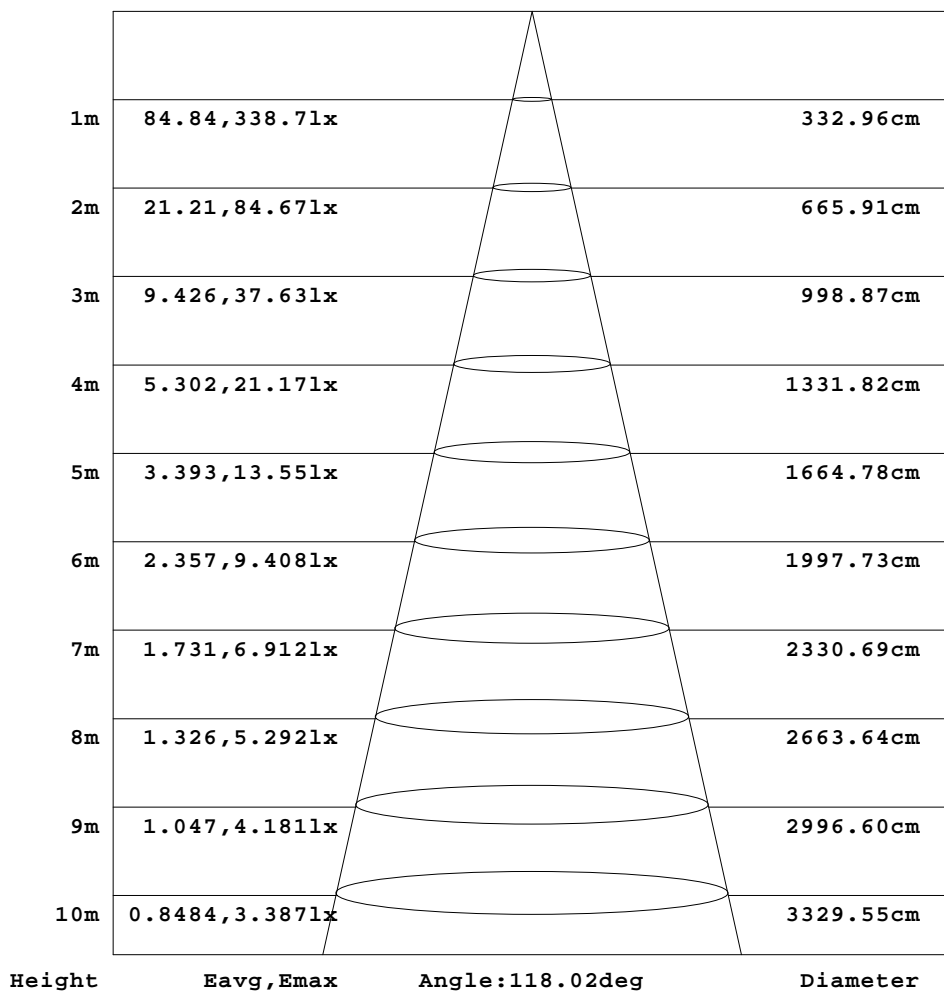
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |

Flux out:799.6 lm



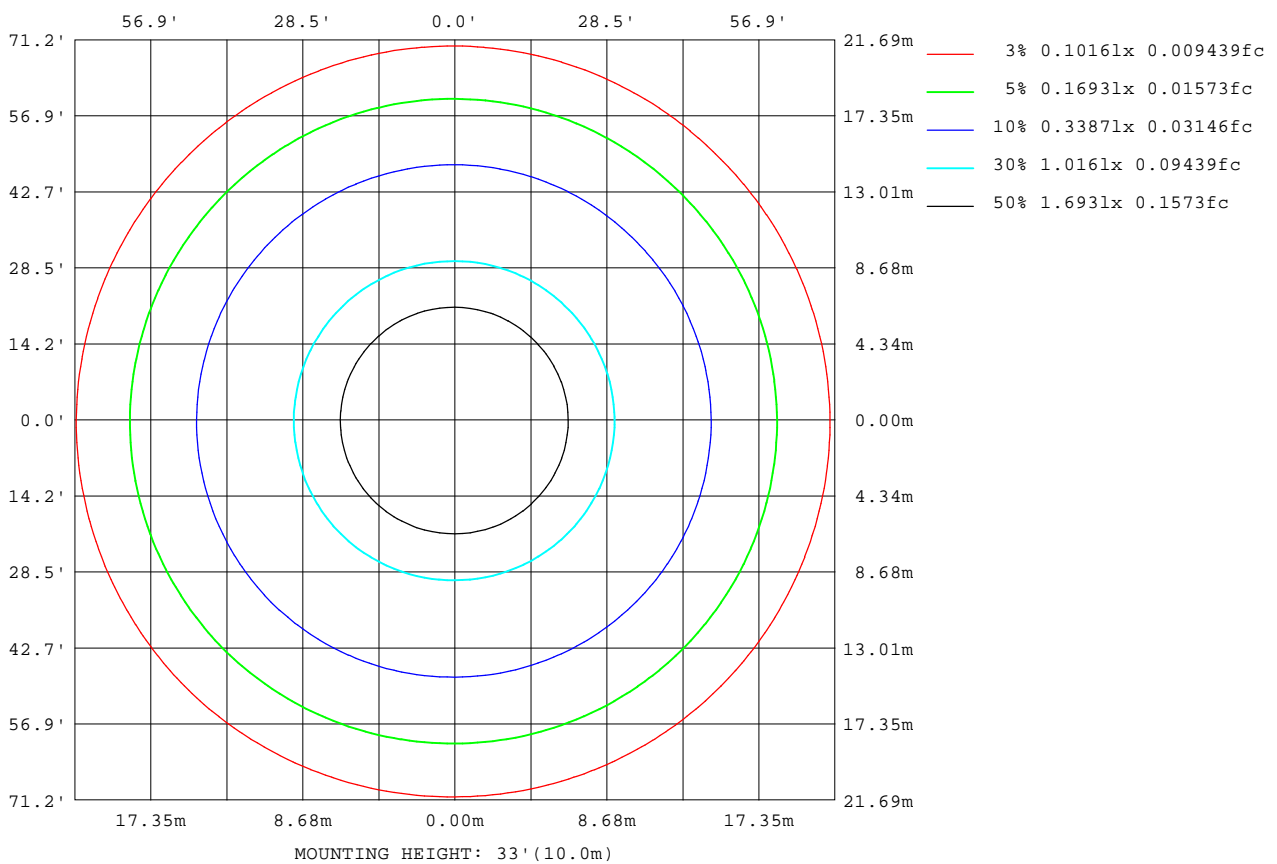
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-01-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

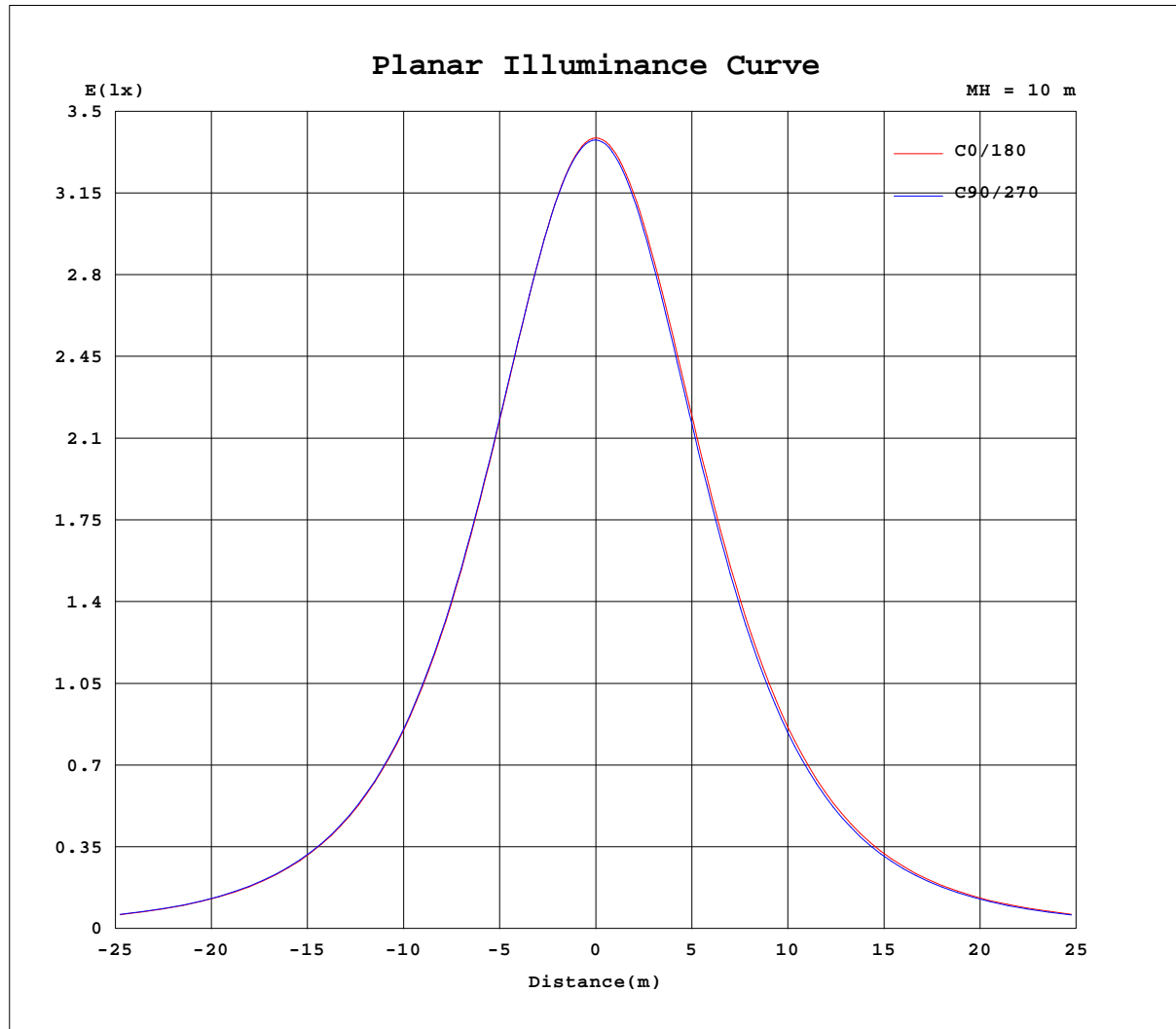
| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-01-29

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2021-01-29

deg Range: 0 - 180DEG
deg Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------------|------------------|
| Test:U:24.00V I:0.2070A P:4.900W PF:1.000 Freq:0Hz Lamp Flux:1046.79x1 lm | | |
| NAME: D8902410NO | TYPE: | WEIGHT: |
| SPEC.:D8902410NO-8WNSA012WC0100 | DIM.: 1000*10*1.5mm | SERIAL No.:01 |
| MFR.: COLORS | SUR.:1000*10 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0 | 339 | 338 | 338 | 338 | 339 | 338 | 338 | 338 | | | | | | | | | | |
| 5 | 337 | 337 | 337 | 337 | 338 | 337 | 336 | 336 | | | | | | | | | | |
| 10 | 334 | 333 | 333 | 334 | 335 | 334 | 333 | 332 | | | | | | | | | | |
| 15 | 328 | 328 | 328 | 329 | 329 | 328 | 326 | 326 | | | | | | | | | | |
| 20 | 319 | 319 | 320 | 321 | 321 | 319 | 317 | 317 | | | | | | | | | | |
| 25 | 308 | 309 | 309 | 311 | 311 | 308 | 306 | 306 | | | | | | | | | | |
| 30 | 295 | 296 | 296 | 298 | 298 | 295 | 293 | 292 | | | | | | | | | | |
| 35 | 279 | 280 | 281 | 283 | 283 | 279 | 277 | 276 | | | | | | | | | | |
| 40 | 261 | 262 | 263 | 265 | 265 | 261 | 258 | 257 | | | | | | | | | | |
| 45 | 240 | 242 | 242 | 245 | 244 | 240 | 238 | 236 | | | | | | | | | | |
| 50 | 217 | 219 | 219 | 222 | 221 | 217 | 214 | 213 | | | | | | | | | | |
| 55 | 192 | 193 | 194 | 197 | 196 | 192 | 189 | 188 | | | | | | | | | | |
| 60 | 164 | 165 | 166 | 169 | 168 | 164 | 162 | 160 | | | | | | | | | | |
| 65 | 134 | 135 | 136 | 139 | 138 | 134 | 132 | 130 | | | | | | | | | | |
| 70 | 102 | 104 | 104 | 108 | 106 | 103 | 101 | 99.4 | | | | | | | | | | |
| 75 | 70.5 | 72.1 | 72.5 | 75.2 | 74.2 | 71.2 | 70.1 | 68.2 | | | | | | | | | | |
| 80 | 40.5 | 42.2 | 42.1 | 44.9 | 43.6 | 41.6 | 40.8 | 39.3 | | | | | | | | | | |
| 85 | 15.6 | 17.3 | 16.8 | 19.9 | 18.1 | 17.5 | 16.7 | 15.6 | | | | | | | | | | |
| 90 | 3.38 | 3.46 | 1.94 | 4.19 | 2.94 | 2.89 | 1.48 | 2.83 | | | | | | | | | | |
| 95 | 1.50 | 1.34 | 1.23 | 1.36 | 0.62 | 0.65 | 0.48 | 0.94 | | | | | | | | | | |
| 100 | 1.38 | 1.39 | 1.17 | 1.36 | 0.93 | 0.85 | 0.88 | 0.94 | | | | | | | | | | |
| 105 | 1.62 | 1.64 | 1.34 | 1.57 | 1.41 | 1.24 | 1.44 | 1.38 | | | | | | | | | | |
| 110 | 2.08 | 2.01 | 1.83 | 1.88 | 1.86 | 1.60 | 2.00 | 1.69 | | | | | | | | | | |
| 115 | 2.54 | 2.52 | 2.45 | 2.34 | 2.29 | 1.99 | 2.55 | 2.19 | | | | | | | | | | |
| 120 | 2.99 | 2.99 | 2.96 | 2.77 | 2.72 | 2.32 | 2.94 | 2.76 | | | | | | | | | | |
| 125 | 3.41 | 3.41 | 3.39 | 3.15 | 3.09 | 2.64 | 3.23 | 3.19 | | | | | | | | | | |
| 130 | 3.75 | 3.80 | 3.73 | 3.47 | 3.45 | 2.95 | 3.45 | 3.61 | | | | | | | | | | |
| 135 | 4.05 | 4.12 | 4.01 | 3.76 | 3.74 | 3.24 | 3.59 | 3.93 | | | | | | | | | | |
| 140 | 4.27 | 4.36 | 4.23 | 3.99 | 3.99 | 3.50 | 3.70 | 4.09 | | | | | | | | | | |
| 145 | 4.45 | 4.50 | 4.38 | 4.20 | 4.19 | 3.76 | 3.77 | 4.14 | | | | | | | | | | |
| 150 | 4.60 | 4.58 | 4.46 | 4.41 | 4.28 | 4.04 | 3.81 | 4.15 | | | | | | | | | | |
| 155 | 4.77 | 4.57 | 4.48 | 4.61 | 4.44 | 4.25 | 3.87 | 4.15 | | | | | | | | | | |
| 160 | 4.98 | 4.57 | 4.54 | 4.77 | 4.61 | 4.36 | 3.98 | 4.15 | | | | | | | | | | |
| 165 | 5.11 | 4.56 | 4.67 | 4.84 | 4.70 | 4.46 | 4.23 | 4.15 | | | | | | | | | | |
| 170 | 4.98 | 4.61 | 4.94 | 4.96 | 4.68 | 4.60 | 4.69 | 4.25 | | | | | | | | | | |
| 175 | 4.73 | 4.88 | 5.32 | 5.20 | 4.57 | 4.91 | 5.21 | 4.81 | | | | | | | | | | |
| 180 | 4.92 | 5.30 | 5.66 | 5.56 | 4.92 | 5.29 | 5.67 | 5.53 | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-01-29

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks: