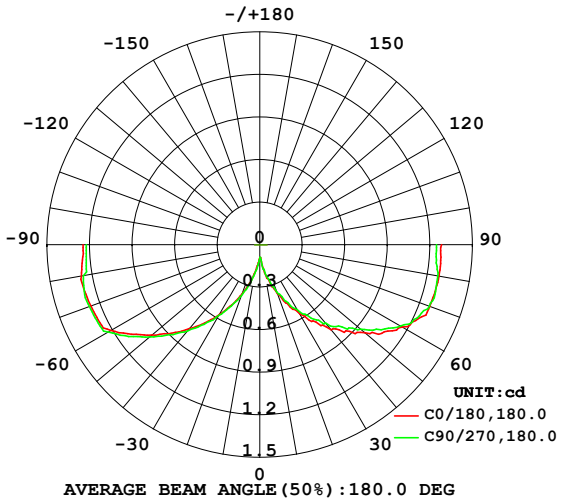
# LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

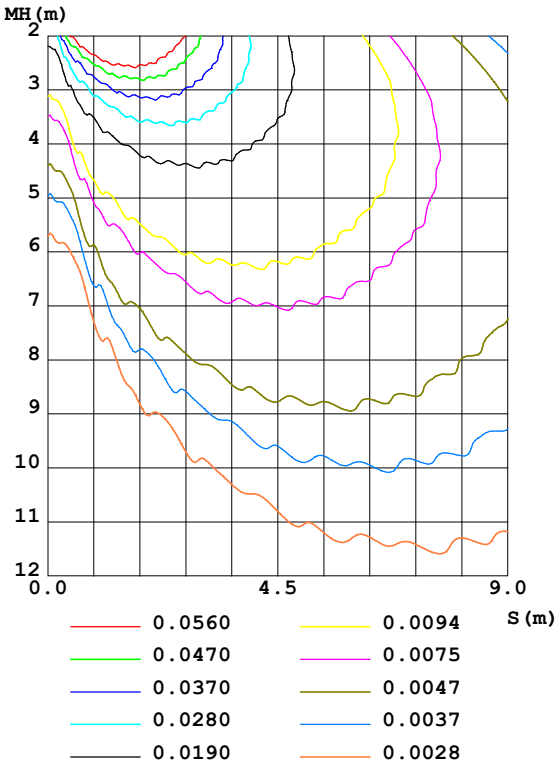
| DATA OF LAMP | | PHOTOMETRIC DATA | | | Eff: 2.37 lm/W |
|---|---|---|---|---|---|
| MODEL | HCP-271107 3000K | Imax(cd) | 1.359 | S/MH(C0/180) | 5.24 |
| NOMINAL POWER(W) | 2.5W | LOR(%) | 100.0 | S/MH(C90/270) | 5.24 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 6.3647 | η UP,DN(C0-180) | 0.0,49.6 |
| NOMINAL FLUX(lm) | 6.36466 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.4 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.75 |
| TEST VOLTAGE(V) | 23.997 | η down(%) | 100.0 | CIBSE SHR MAX | 1.75 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):180.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

# ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 0.2037 | 0.1951 | 0.1823 | 0.1694 | 0.1999 | 0.1956 | 0.2087 | 0.2217 | 0- 10 | 0.0143 | 0.0143 | 0.22,0.22 |
| 20 | 0.3689 | 0.3732 | 0.3558 | 0.3342 | 0.3736 | 0.3737 | 0.3824 | 0.3911 | 10- 20 | 0.0820 | 0.0963 | 1.51,1.51 |
| 30 | 0.5642 | 0.5427 | 0.5297 | 0.5167 | 0.5692 | 0.5822 | 0.5779 | 0.5822 | 20- 30 | 0.2167 | 0.3130 | 4.92,4.92 |
| 40 | 0.7856 | 0.7724 | 0.7210 | 0.7206 | 0.7733 | 0.8037 | 0.7951 | 0.7864 | 30- 40 | 0.4181 | 0.7311 | 11.5,11.5 |
| 50 | 0.9682 | 0.9552 | 0.9293 | 0.9247 | 0.9905 | 1.025 | 1.012 | 0.9992 | 40- 50 | 0.6756 | 1.407 | 22.1,22.1 |
| 60 | 1.164 | 1.190 | 1.146 | 1.138 | 1.212 | 1.255 | 1.234 | 1.199 | 50- 60 | 0.9755 | 2.382 | 37.4,37.4 |
| 70 | 1.275 | 1.281 | 1.272 | 1.246 | 1.267 | 1.359 | 1.279 | 1.286 | 60- 70 | 1.245 | 3.628 | 57,57 |
| 80 | 1.283 | 1.281 | 1.274 | 1.257 | 1.277 | 1.283 | 1.264 | 1.265 | 70- 80 | 1.364 | 4.991 | 78.4,78.4 |
| 90 | 1.281 | 1.286 | 1.246 | 1.242 | 1.246 | 1.238 | 1.225 | 1.242 | 80- 90 | 1.373 | 6.365 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

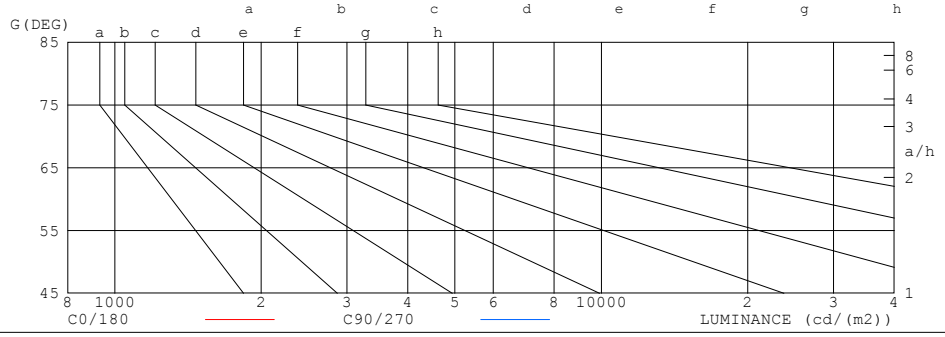
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

# LUMINANCE LIMITATION CURVES

| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
|---|---|---|
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

**LUMINANCE LIMITATION CURVES**

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |




| LUMINANCE cd/(m2) | | |
|---|---|---|
| G(DEG) | C0/180 | C90/270 |
| 85 | 147 | 144 |
| 80 | 74 | 73 |
| 75 | 49 | 50 |
| 70 | 37 | 37 |
| 65 | 29 | 29 |
| 60 | 23 | 23 |
| 55 | 19 | 18 |
| 50 | 15 | 14 |
| 45 | 12 | 12 |

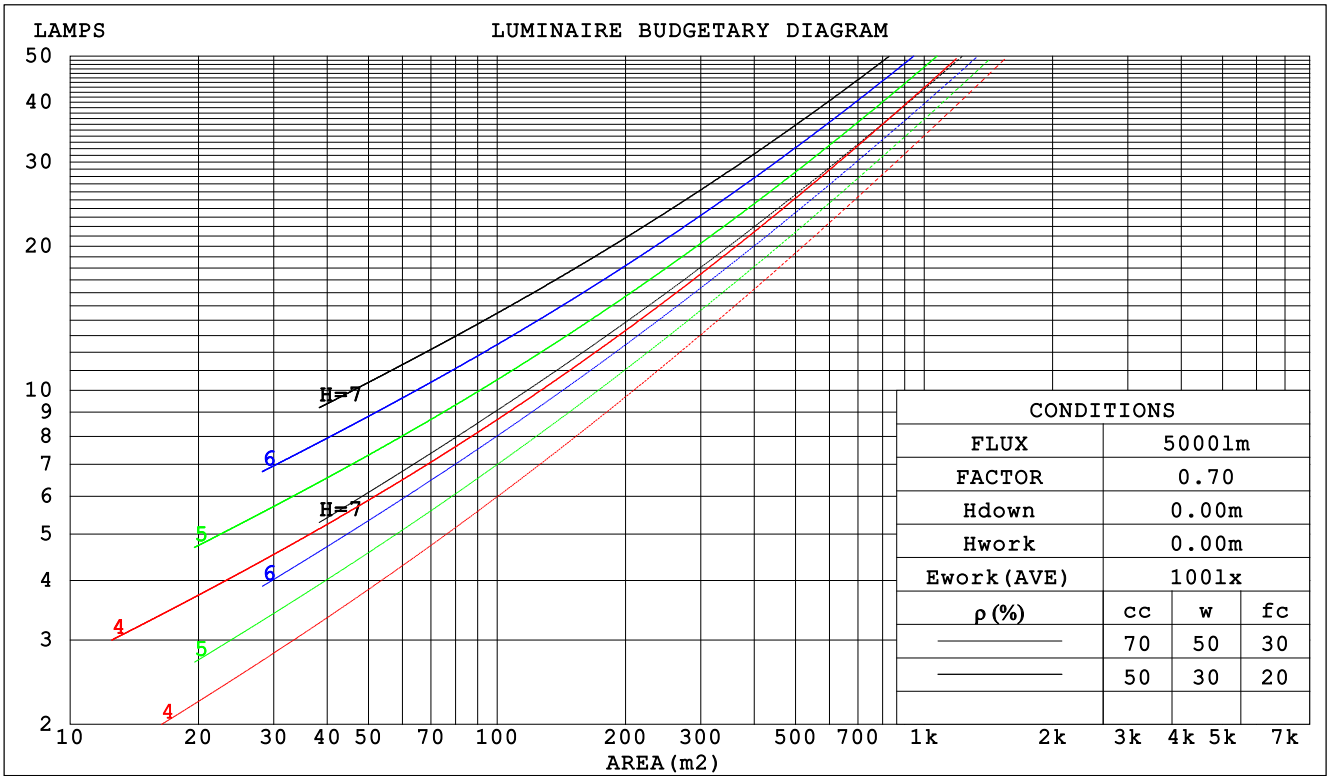
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---|---|
| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

| 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 | | | 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 | .88 | .79 | .72 | .85 | .78 | .70 | .81 | .74 | .68 | .76 | .71 | .66 | .72 | .68 | .64 | .61 |
| 2.0 | .70 | .59 | .49 | .68 | .58 | .49 | .64 | .55 | .47 | .60 | .53 | .46 | .57 | .50 | .45 | .42 |
| 3.0 | .58 | .46 | .36 | .56 | .45 | .35 | .53 | .43 | .35 | .50 | .41 | .34 | .47 | .39 | .33 | .30 |
| 4.0 | .49 | .37 | .27 | .48 | .36 | .27 | .45 | .35 | .26 | .42 | .33 | .26 | .40 | .32 | .25 | .22 |
| 5.0 | .43 | .30 | .21 | .41 | .30 | .21 | .39 | .29 | .21 | .36 | .28 | .21 | .34 | .26 | .20 | .17 |
| 6.0 | .37 | .26 | .17 | .36 | .25 | .17 | .34 | .24 | .17 | .32 | .23 | .17 | .30 | .22 | .16 | .14 |
| 7.0 | .33 | .22 | .14 | .32 | .22 | .14 | .30 | .21 | .14 | .29 | .20 | .14 | .27 | .19 | .14 | .11 |
| 8.0 | .30 | .19 | .12 | .29 | .19 | .12 | .27 | .18 | .12 | .26 | .18 | .12 | .25 | .17 | .11 | .09 |
| 9.0 | .27 | .17 | .10 | .26 | .17 | .10 | .25 | .16 | .10 | .24 | .16 | .10 | .23 | .15 | .10 | .08 |
| 10.0 | .25 | .15 | .09 | .24 | .15 | .09 | .23 | .14 | .09 | .22 | .14 | .09 | .21 | .14 | .09 | .06 |




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## WEC AND CCEC

| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
|---|---|---|
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

| 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 Coeffcients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .614 | .349 | .111 | .606 | .346 | .110 | .591 | .339 | .108 | .578 | .333 | .107 | .565 | .328 | .106 | |
| 2.0 | .484 | .265 | .081 | .477 | .263 | .081 | .464 | .258 | .080 | .451 | .253 | .079 | .440 | .249 | .078 | |
| 3.0 | .406 | .216 | .065 | .400 | .214 | .064 | .388 | .210 | .064 | .376 | .206 | .063 | .366 | .203 | .063 | |
| 4.0 | .350 | .182 | .054 | .345 | .180 | .053 | .334 | .177 | .053 | .324 | .174 | .053 | .315 | .171 | .052 | |
| 5.0 | .308 | .157 | .046 | .303 | .156 | .045 | .294 | .153 | .045 | .285 | .150 | .045 | .277 | .148 | .044 | |
| 6.0 | .275 | .138 | .040 | .271 | .137 | .039 | .263 | .135 | .039 | .255 | .132 | .039 | .248 | .130 | .039 | |
| 7.0 | .249 | .123 | .035 | .245 | .122 | .035 | .238 | .120 | .035 | .231 | .118 | .034 | .224 | .116 | .034 | |
| 8.0 | .227 | .111 | .031 | .223 | .110 | .031 | .217 | .108 | .031 | .211 | .107 | .031 | .205 | .105 | .031 | |
| 9.0 | .208 | .101 | .028 | .205 | .100 | .028 | .200 | .099 | .028 | .194 | .097 | .028 | .189 | .096 | .028 | |
| 10.0 | .193 | .092 | .026 | .190 | .092 | .026 | .185 | .091 | .025 | .180 | .089 | .025 | .175 | .088 | .025 | |

| 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 | .201 | .153 | .110 | .172 | .132 | .095 | .118 | .091 | .066 | .068 | .052 | .038 | .022 | .017 | .012 | |
| 2.0 | .198 | .131 | .075 | .170 | .113 | .065 | .116 | .078 | .045 | .067 | .045 | .026 | .021 | .015 | .009 | |
| 3.0 | .191 | .115 | .055 | .163 | .099 | .048 | .112 | .069 | .033 | .065 | .040 | .020 | .021 | .013 | .006 | |
| 4.0 | .182 | .103 | .043 | .156 | .089 | .038 | .107 | .062 | .026 | .062 | .036 | .016 | .020 | .012 | .005 | |
| 5.0 | .172 | .094 | .036 | .148 | .081 | .031 | .102 | .057 | .022 | .059 | .033 | .013 | .019 | .011 | .004 | |
| 6.0 | .163 | .086 | .030 | .140 | .074 | .026 | .097 | .052 | .019 | .056 | .031 | .011 | .018 | .010 | .004 | |
| 7.0 | .154 | .079 | .026 | .133 | .069 | .023 | .092 | .048 | .016 | .053 | .028 | .010 | .017 | .009 | .003 | |
| 8.0 | .146 | .073 | .023 | .126 | .064 | .020 | .087 | .045 | .014 | .051 | .026 | .009 | .016 | .009 | .003 | |
| 9.0 | .138 | .068 | .021 | .119 | .059 | .018 | .082 | .042 | .013 | .048 | .025 | .008 | .016 | .008 | .003 | |
| 10.0 | .131 | .064 | .019 | .113 | .055 | .017 | .078 | .039 | .012 | .046 | .023 | .007 | .015 | .008 | .002 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## UGR(Unified Glare Rating) Table

| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
|---|---|---|
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | 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 | 17.2 | 19.3 | 17.5 | 19.5 | 19.8 | 17.1 | 19.2 | 17.4 | 19.4 | 19.7 |
| | 3H | 20.9 | 22.8 | 21.2 | 23.1 | 23.4 | 20.8 | 22.8 | 21.2 | 23.1 | 23.3 |
| | 4H | 22.9 | 24.7 | 23.2 | 25.0 | 25.3 | 22.8 | 24.7 | 23.2 | 25.0 | 25.3 |
| | 6H | 25.0 | 26.8 | 25.4 | 27.1 | 27.4 | 25.0 | 26.8 | 25.3 | 27.1 | 27.4 |
| | 8H | 26.2 | 27.9 | 26.6 | 28.3 | 28.6 | 26.1 | 27.9 | 26.5 | 28.2 | 28.5 |
| | 12H | 27.5 | 29.2 | 27.9 | 29.6 | 29.9 | 27.4 | 29.2 | 27.8 | 29.5 | 29.8 |
| 4H | 2H | 18.5 | 20.4 | 18.8 | 20.7 | 21.0 | 18.4 | 20.3 | 18.8 | 20.6 | 20.9 |
| | 3H | 22.2 | 23.9 | 22.6 | 24.3 | 24.6 | 22.2 | 23.9 | 22.6 | 24.2 | 24.6 |
| | 4H | 24.3 | 25.9 | 24.7 | 26.3 | 26.6 | 24.3 | 25.9 | 24.7 | 26.2 | 26.6 |
| | 6H | 26.6 | 28.1 | 27.0 | 28.5 | 28.8 | 26.6 | 28.0 | 27.0 | 28.4 | 28.8 |
| | 8H | 27.9 | 29.3 | 28.3 | 29.7 | 30.1 | 27.8 | 29.2 | 28.2 | 29.6 | 30.0 |
| | 12H | 29.3 | 30.6 | 29.8 | 31.0 | 31.5 | 29.2 | 30.5 | 29.7 | 31.0 | 31.4 |
| 8H | 4H | 25.1 | 26.5 | 25.6 | 26.9 | 27.3 | 25.1 | 26.5 | 25.6 | 26.9 | 27.3 |
| | 6H | 27.7 | 28.9 | 28.2 | 29.4 | 29.8 | 27.7 | 28.9 | 28.1 | 29.3 | 29.8 |
| | 8H | 29.2 | 30.3 | 29.6 | 30.7 | 31.2 | 29.1 | 30.2 | 29.6 | 30.7 | 31.2 |
| | 12H | 30.8 | 31.9 | 31.3 | 32.3 | 32.8 | 30.7 | 31.8 | 31.2 | 32.2 | 32.7 |
| 12H | 4H | 25.4 | 26.7 | 25.8 | 27.1 | 27.5 | 25.4 | 26.7 | 25.8 | 27.1 | 27.5 |
| | 6H | 28.1 | 29.2 | 28.5 | 29.6 | 30.1 | 28.0 | 29.2 | 28.5 | 29.6 | 30.1 |
| | 8H | 29.6 | 30.7 | 30.1 | 31.1 | 31.6 | 29.6 | 30.6 | 30.1 | 31.1 | 31.6 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |

CIE Pub.117, 6.365 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -17.6)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

# UTILIZATION FACTORS TABLE

| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
|---|---|---|
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

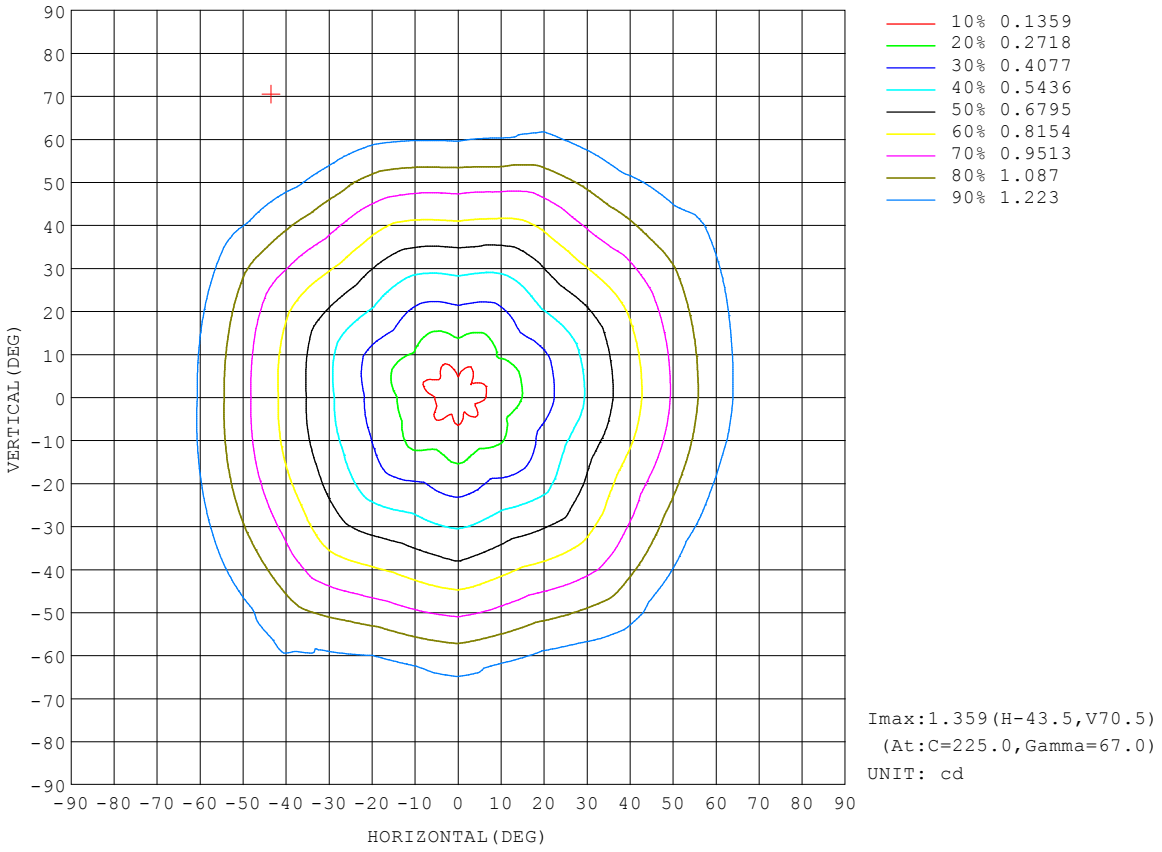
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 40 | 25 | 16 | 39 | 25 | 16 | 38 | 24 | 16 | 8 |
| 0.80 | 48 | 32 | 22 | 47 | 32 | 22 | 45 | 31 | 22 | 13 |
| 1.00 | 55 | 39 | 29 | 54 | 39 | 29 | 51 | 41 | 28 | 18 |
| 1.25 | 62 | 46 | 36 | 61 | 46 | 35 | 57 | 44 | 34 | 24 |
| 1.50 | 68 | 52 | 41 | 66 | 51 | 41 | 62 | 49 | 40 | 29 |
| 2.00 | 76 | 62 | 51 | 74 | 60 | 50 | 69 | 58 | 49 | 37 |
| 2.50 | 82 | 68 | 58 | 79 | 67 | 57 | 74 | 64 | 55 | 43 |
| 3.00 | 87 | 74 | 64 | 84 | 72 | 63 | 79 | 69 | 61 | 49 |
| 4.00 | 93 | 82 | 73 | 90 | 80 | 71 | 84 | 76 | 69 | 57 |
| 5.00 | 97 | 87 | 79 | 94 | 85 | 77 | 88 | 81 | 74 | 62 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | | SHRNOM = 1.25 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

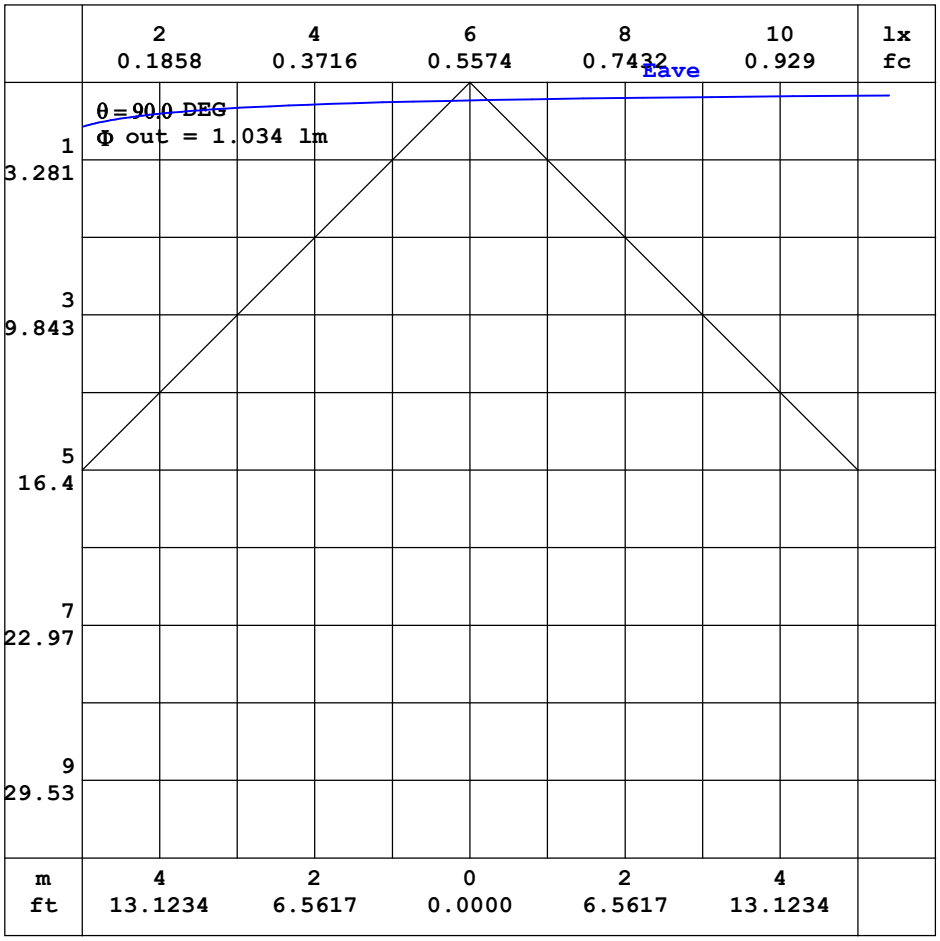



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## AAI CURVES

| | | |
|---|---|---|
| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |



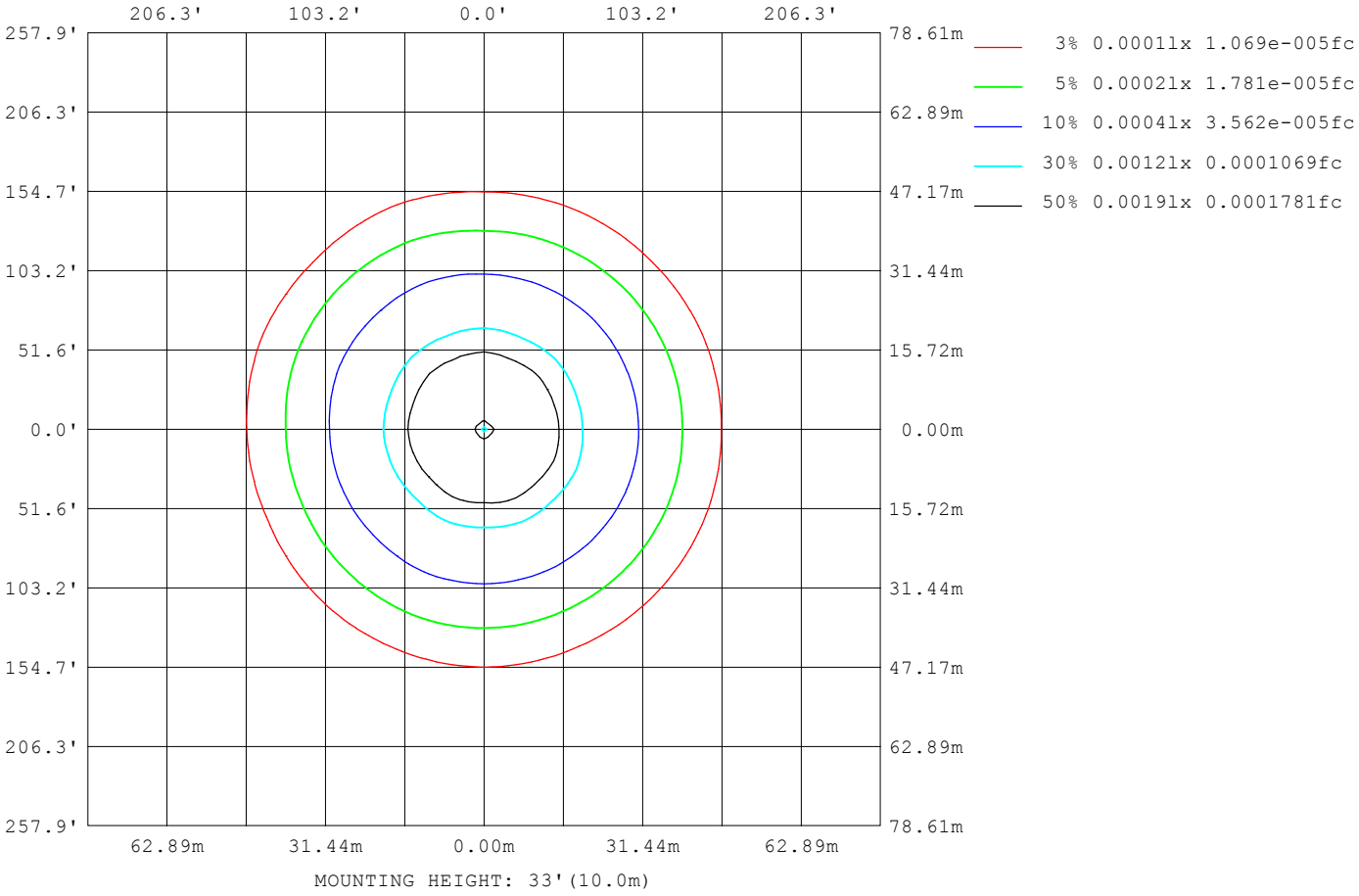

**Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.**

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## ISOLUX DIAGRAM

| | | |
|---|---|---|
| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

# LED Avg.L Report

| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
|---|---|---|
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

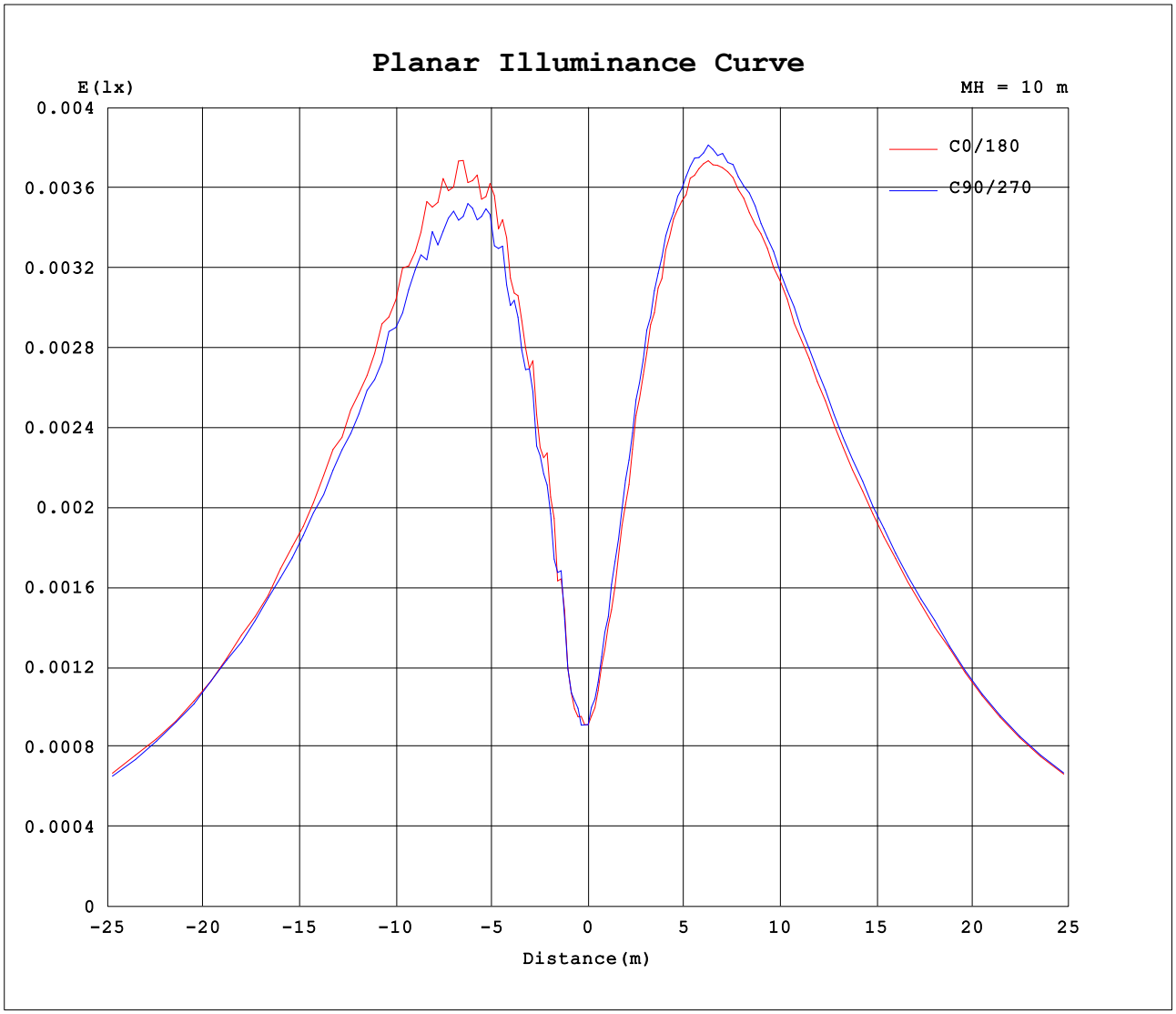
| AvgL | cd/m2 |
|---|---|
| L_0~180(65)av | 29 |
| L_0~180(75)av | 49 |
| L_0~180(85)av | 146 |
| L_90~270(65)av | 29 |
| L_90~270(75)av | 50 |
| L_90~270(85)av | 142 |
| L_45(65)av | 30 |
| L_45(75)av | 50 |
| L_45(85)av | 144 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271107 3000K

## LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:23.997V I:0.1117A P:2.6805W PF:1.0000 Freq:50.00Hz Lamp Flux:6.36466x1 lm | | |
| NAME: HCP-271107 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

Table--1 UNIT: cd

| γ (DEG) \ C(DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 | 0.10 | 0.09 | 0.09 | | | |
| 5 | 0.11 | 0.15 | 0.11 | 0.15 | 0.11 | 0.15 | 0.10 | 0.13 | 0.13 | 0.10 | 0.13 | 0.10 | 0.14 | 0.12 | 0.14 | 0.10 | | | |
| 10 | 0.20 | 0.23 | 0.20 | 0.23 | 0.18 | 0.22 | 0.17 | 0.20 | 0.20 | 0.16 | 0.20 | 0.16 | 0.21 | 0.17 | 0.22 | 0.18 | | | |
| 15 | 0.27 | 0.32 | 0.28 | 0.31 | 0.26 | 0.30 | 0.25 | 0.28 | 0.28 | 0.23 | 0.28 | 0.24 | 0.29 | 0.24 | 0.30 | 0.26 | | | |
| 20 | 0.37 | 0.41 | 0.37 | 0.40 | 0.36 | 0.39 | 0.33 | 0.37 | 0.37 | 0.33 | 0.37 | 0.33 | 0.38 | 0.33 | 0.39 | 0.36 | | | |
| 25 | 0.46 | 0.50 | 0.45 | 0.49 | 0.44 | 0.47 | 0.44 | 0.46 | 0.47 | 0.44 | 0.48 | 0.44 | 0.48 | 0.44 | 0.48 | 0.44 | | | |
| 30 | 0.56 | 0.60 | 0.54 | 0.58 | 0.53 | 0.56 | 0.52 | 0.56 | 0.57 | 0.53 | 0.58 | 0.54 | 0.58 | 0.53 | 0.58 | 0.54 | | | |
| 35 | 0.66 | 0.70 | 0.65 | 0.68 | 0.63 | 0.66 | 0.61 | 0.66 | 0.67 | 0.65 | 0.69 | 0.65 | 0.69 | 0.66 | 0.69 | 0.65 | | | |
| 40 | 0.79 | 0.80 | 0.77 | 0.78 | 0.72 | 0.76 | 0.72 | 0.76 | 0.77 | 0.76 | 0.80 | 0.78 | 0.80 | 0.76 | 0.79 | 0.77 | | | |
| 45 | 0.86 | 0.90 | 0.86 | 0.88 | 0.82 | 0.86 | 0.81 | 0.86 | 0.89 | 0.86 | 0.91 | 0.86 | 0.90 | 0.86 | 0.89 | 0.86 | | | |
| 50 | 0.97 | 1.01 | 0.96 | 0.99 | 0.93 | 0.96 | 0.92 | 0.97 | 0.99 | 0.97 | 1.03 | 0.99 | 1.01 | 0.95 | 1.00 | 0.95 | | | |
| 55 | 1.07 | 1.12 | 1.07 | 1.10 | 1.05 | 1.07 | 1.02 | 1.07 | 1.10 | 1.08 | 1.14 | 1.09 | 1.13 | 1.07 | 1.10 | 1.07 | | | |
| 60 | 1.16 | 1.22 | 1.19 | 1.20 | 1.15 | 1.19 | 1.14 | 1.17 | 1.21 | 1.21 | 1.26 | 1.20 | 1.23 | 1.16 | 1.20 | 1.15 | | | |
| 65 | 1.23 | 1.28 | 1.26 | 1.27 | 1.22 | 1.26 | 1.20 | 1.26 | 1.26 | 1.28 | 1.34 | 1.29 | 1.27 | 1.25 | 1.27 | 1.22 | | | |
| 70 | 1.28 | 1.28 | 1.28 | 1.27 | 1.27 | 1.28 | 1.25 | 1.27 | 1.27 | 1.35 | 1.36 | 1.35 | 1.28 | 1.27 | 1.29 | 1.27 | | | |
| 75 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.27 | 1.26 | 1.28 | 1.36 | 1.36 | 1.36 | 1.28 | 1.28 | 1.29 | 1.28 | | | |
| 80 | 1.28 | 1.29 | 1.28 | 1.27 | 1.27 | 1.27 | 1.26 | 1.24 | 1.28 | 1.32 | 1.28 | 1.32 | 1.26 | 1.28 | 1.26 | 1.28 | | | |
| 85 | 1.28 | 1.28 | 1.27 | 1.25 | 1.25 | 1.25 | 1.25 | 1.24 | 1.26 | 1.26 | 1.25 | 1.26 | 1.23 | 1.26 | 1.25 | 1.27 | | | |
| 90 | 1.28 | 1.29 | 1.29 | 1.29 | 1.25 | 1.25 | 1.24 | 1.24 | 1.25 | 1.24 | 1.24 | 1.23 | 1.22 | 1.24 | 1.24 | 1.26 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
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γ Range: 0 - 90DEG
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