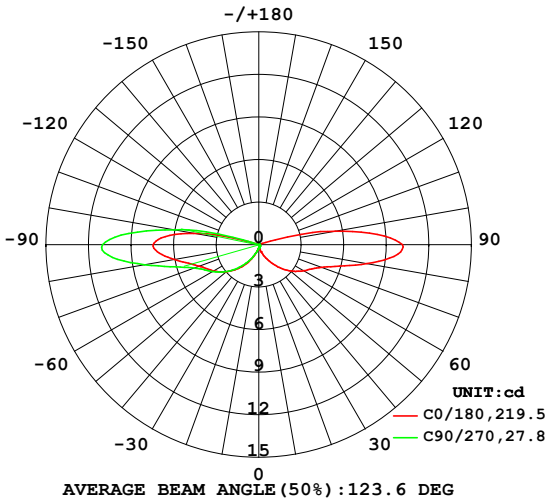
# LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
| NAME: HCP-271913-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

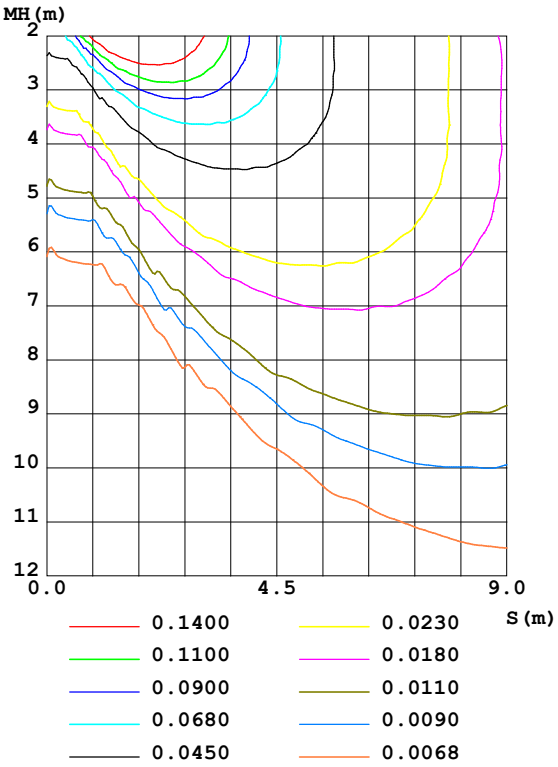
| DATA OF LAMP | | PHOTOMETRIC DATA | | Eff: 3.67 lm/W | |
|---|---|---|---|---|---|
| MODEL | HCP-271913-3000K | Imax(cd) | 11.09 | S/MH(C0/180) | 6.13 |
| NOMINAL POWER(W) | 6 | LOR(%) | 100.0 | S/MH(C90/270) | 6.77 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 20.439 | η UP,DN(C0-180) | 8.9,24.3 |
| NOMINAL FLUX(lm) | 20.4391 | CIE CLASS | SEMI-D. | η UP,DN(C180-360) | 18.3,48.5 |
| LAMPS INSIDE | 1 | η up(%) | 27.2 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 23.997 | η down(%) | 72.8 | CIBSE SHR MAX | 1.50 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%):123.6 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:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

# ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 0.2777 | 0.2365 | 0.1869 | 0.2692 | 0.3520 | 0.3650 | 0.3564 | 0.3432 | 0- 10 | 0.0249 | 0.0249 | 0.12,0.12 |
| 20 | 0.5899 | 0.2705 | 0.1478 | 0.4294 | 0.6911 | 0.6345 | 0.6562 | 0.6127 | 10- 20 | 0.1105 | 0.1354 | 0.66,0.66 |
| 30 | 1.189 | 0.3301 | 0.1136 | 0.8068 | 1.360 | 1.086 | 1.243 | 1.039 | 20- 30 | 0.3194 | 0.4548 | 2.23,2.23 |
| 40 | 1.997 | 0.4516 | 0.0825 | 1.142 | 2.168 | 1.577 | 2.051 | 1.525 | 30- 40 | 0.7138 | 1.169 | 5.72,5.72 |
| 50 | 2.879 | 0.5343 | 0.0522 | 1.429 | 2.989 | 1.959 | 2.959 | 1.894 | 40- 50 | 1.248 | 2.417 | 11.8,11.8 |
| 60 | 3.687 | 0.5385 | 0.0391 | 1.641 | 3.710 | 2.172 | 3.793 | 2.098 | 50- 60 | 1.831 | 4.248 | 20.8,20.8 |
| 70 | 4.698 | 0.5213 | 0.0391 | 1.763 | 4.470 | 2.337 | 4.845 | 2.298 | 60- 70 | 2.407 | 6.655 | 32.6,32.6 |
| 80 | 7.753 | 0.4821 | 0.0391 | 1.993 | 6.061 | 2.567 | 8.196 | 2.567 | 70- 80 | 3.361 | 10.02 | 49,49 |
| 90 | 10.13 | 0.3954 | 0.0391 | 2.102 | 7.465 | 2.653 | 11.01 | 2.666 | 80- 90 | 4.870 | 14.89 | 72.8,72.8 |
| 100 | 5.492 | 0.1046 | 0.0390 | 1.213 | 4.668 | 1.314 | 6.088 | 1.336 | 90-100 | 4.290 | 19.18 | 93.8,93.8 |
| 110 | 0.1020 | 0 | 0.0218 | 0.0133 | 0.0820 | 0 | 0.1764 | 0 | 100-110 | 1.257 | 20.43 | 100,100 |
| 120 | 0.0001 | 0 | 0.0130 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0.0063 | 20.44 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0.0003 | 20.44 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 20.44 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 20.44 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 20.44 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 20.44 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 20.44 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

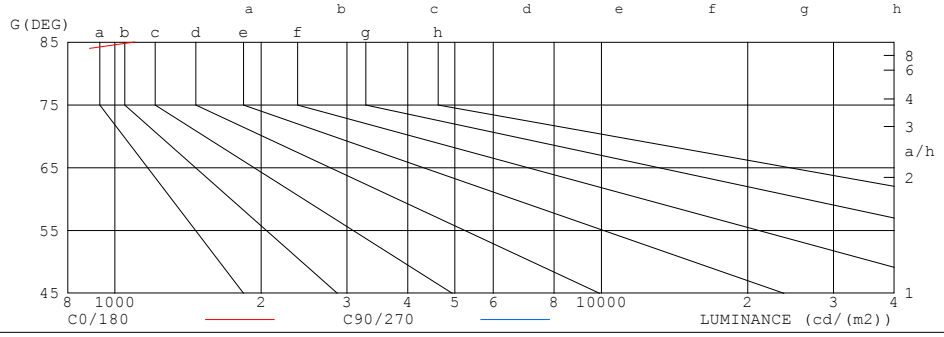
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

# LUMINANCE LIMITATION CURVES

| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
|---|---|---|
| NAME: HCP-271913-3000K | 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 | 1099 | 4 |
| 80 | 446 | 2 |
| 75 | 228 | 2 |
| 70 | 137 | 1 |
| 65 | 97 | 1 |
| 60 | 74 | 1 |
| 55 | 58 | 1 |
| 50 | 45 | 1 |
| 45 | 35 | 1 |

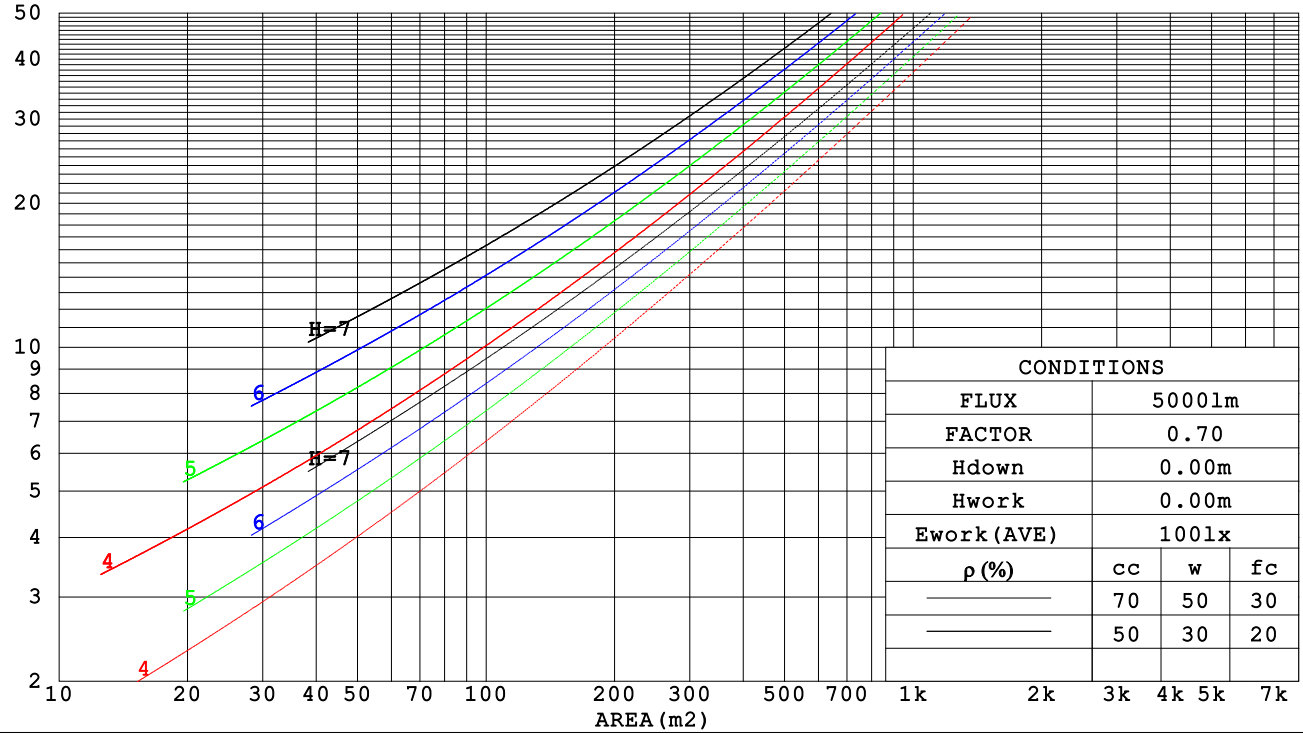
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---|---|
| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
| NAME: HCP-271913-3000K | 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 | 1.13 | 1.13 | 1.13 | 1.07 | 1.07 | 1.07 | .96 | .96 | .96 | .86 | .86 | .86 | .77 | .77 | .77 | .73 |
| 1.0 | .82 | .74 | .67 | .77 | .70 | .63 | .68 | .61 | .56 | .59 | .54 | .49 | .50 | .46 | .43 | .38 |
| 2.0 | .67 | .56 | .47 | .62 | .53 | .44 | .54 | .46 | .39 | .46 | .40 | .34 | .39 | .34 | .29 | .25 |
| 3.0 | .56 | .45 | .35 | .52 | .42 | .33 | .45 | .36 | .29 | .38 | .31 | .25 | .32 | .26 | .21 | .17 |
| 4.0 | .48 | .37 | .28 | .45 | .34 | .26 | .39 | .30 | .23 | .33 | .25 | .19 | .27 | .21 | .16 | .13 |
| 5.0 | .42 | .31 | .22 | .39 | .29 | .21 | .34 | .25 | .18 | .29 | .21 | .15 | .24 | .18 | .13 | .10 |
| 6.0 | .37 | .26 | .19 | .34 | .25 | .17 | .30 | .21 | .15 | .25 | .18 | .13 | .21 | .15 | .10 | .07 |
| 7.0 | .33 | .23 | .16 | .31 | .21 | .15 | .27 | .19 | .13 | .23 | .16 | .11 | .19 | .13 | .09 | .06 |
| 8.0 | .30 | .20 | .13 | .28 | .19 | .12 | .24 | .16 | .11 | .21 | .14 | .09 | .17 | .12 | .07 | .05 |
| 9.0 | .27 | .18 | .11 | .25 | .17 | .11 | .22 | .14 | .09 | .19 | .12 | .08 | .16 | .10 | .06 | .04 |
| 10.0 | .25 | .16 | .10 | .23 | .15 | .09 | .20 | .13 | .08 | .17 | .11 | .07 | .15 | .09 | .05 | .03 |




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## WEC AND CCEC

| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
|---|---|---|
| NAME: HCP-271913-3000K | 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 | .598 | .340 | .108 | .582 | .332 | .105 | .552 | .316 | .101 | .524 | .302 | .097 | .498 | .289 | .093 | |
| 2.0 | .456 | .250 | .077 | .441 | .243 | .075 | .414 | .230 | .071 | .388 | .218 | .068 | .365 | .206 | .065 | |
| 3.0 | .377 | .201 | .060 | .364 | .195 | .059 | .339 | .184 | .056 | .316 | .173 | .053 | .295 | .163 | .050 | |
| 4.0 | .324 | .168 | .050 | .312 | .163 | .048 | .290 | .154 | .046 | .268 | .144 | .043 | .249 | .135 | .041 | |
| 5.0 | .285 | .145 | .042 | .274 | .141 | .041 | .254 | .132 | .039 | .234 | .124 | .037 | .216 | .116 | .035 | |
| 6.0 | .255 | .128 | .037 | .245 | .124 | .036 | .226 | .116 | .034 | .208 | .108 | .032 | .192 | .101 | .030 | |
| 7.0 | .231 | .114 | .032 | .222 | .110 | .031 | .204 | .103 | .030 | .188 | .096 | .028 | .173 | .090 | .026 | |
| 8.0 | .211 | .103 | .029 | .202 | .100 | .028 | .186 | .093 | .027 | .171 | .087 | .025 | .157 | .081 | .024 | |
| 9.0 | .194 | .094 | .026 | .186 | .091 | .025 | .172 | .085 | .024 | .158 | .079 | .023 | .145 | .073 | .021 | |
| 10.0 | .180 | .086 | .024 | .173 | .083 | .023 | .159 | .078 | .022 | .146 | .073 | .021 | .134 | .067 | .019 | |

| 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 | .397 | .397 | .397 | .340 | .340 | .340 | .232 | .232 | .232 | .133 | .133 | .133 | .043 | .043 | .043 | |
| 1.0 | .409 | .362 | .320 | .350 | .311 | .276 | .239 | .214 | .191 | .138 | .124 | .111 | .044 | .040 | .036 | |
| 2.0 | .404 | .341 | .288 | .346 | .294 | .249 | .237 | .203 | .174 | .137 | .118 | .102 | .044 | .038 | .033 | |
| 3.0 | .396 | .326 | .270 | .340 | .281 | .234 | .233 | .196 | .164 | .135 | .114 | .097 | .043 | .037 | .032 | |
| 4.0 | .388 | .315 | .259 | .333 | .272 | .225 | .229 | .190 | .159 | .132 | .111 | .094 | .043 | .036 | .031 | |
| 5.0 | .378 | .306 | .252 | .325 | .264 | .219 | .224 | .185 | .155 | .130 | .108 | .092 | .042 | .035 | .030 | |
| 6.0 | .370 | .298 | .247 | .318 | .258 | .215 | .219 | .181 | .152 | .127 | .106 | .090 | .041 | .035 | .030 | |
| 7.0 | .361 | .292 | .243 | .311 | .253 | .212 | .215 | .177 | .150 | .125 | .104 | .089 | .040 | .034 | .030 | |
| 8.0 | .354 | .286 | .240 | .305 | .248 | .209 | .211 | .174 | .148 | .123 | .103 | .088 | .040 | .034 | .029 | |
| 9.0 | .347 | .282 | .238 | .299 | .244 | .207 | .207 | .172 | .147 | .120 | .101 | .088 | .039 | .033 | .029 | |
| 10.0 | .340 | .277 | .236 | .293 | .241 | .206 | .203 | .170 | .146 | .119 | .100 | .087 | .038 | .033 | .029 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## UGR(Unified Glare Rating) Table

| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
|---|---|---|
| NAME: HCP-271913-3000K | 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 | 14.1 | 15.6 | 14.7 | 16.3 | 17.1 | -4.9 | -3.4 | -4.3 | -2.7 | -1.9 |
| 3H | 19.1 | 20.5 | 19.8 | 21.2 | 22.1 | -4.9 | -3.5 | -4.2 | -2.8 | -1.9 |
| 4H | 22.3 | 23.6 | 23.0 | 24.4 | 25.2 | -4.7 | -3.3 | -4.0 | -2.6 | -1.8 |
| 6H | 26.2 | 27.5 | 26.9 | 28.2 | 29.1 | -4.2 | -3.0 | -3.5 | -2.2 | -1.3 |
| 8H | 28.4 | 29.6 | 29.1 | 30.4 | 31.3 | -3.9 | -2.6 | -3.2 | -1.9 | -1.0 |
| 12H | 30.7 | 31.9 | 31.4 | 32.7 | 33.6 | -3.3 | -2.1 | -2.6 | -1.4 | -0.5 |
| 4H 2H | 13.8 | 15.2 | 14.5 | 15.9 | 16.8 | 4.0 | 5.4 | 4.7 | 6.1 | 7.0 |
| 3H | 19.2 | 20.4 | 19.9 | 21.2 | 22.1 | 4.2 | 5.4 | 4.9 | 6.1 | 7.0 |
| 4H | 22.7 | 23.8 | 23.4 | 24.6 | 25.5 | 4.1 | 5.2 | 4.8 | 6.0 | 6.9 |
| 6H | 26.9 | 27.9 | 27.7 | 28.7 | 29.7 | 4.0 | 5.1 | 4.8 | 5.9 | 6.8 |
| 8H | 29.3 | 30.3 | 30.0 | 31.1 | 32.0 | 4.0 | 5.0 | 4.8 | 5.8 | 6.8 |
| 12H | 31.9 | 32.8 | 32.6 | 33.6 | 34.6 | 4.0 | 5.0 | 4.8 | 5.8 | 6.8 |
| 8H 4H | 22.5 | 23.5 | 23.3 | 24.3 | 25.3 | 11.0 | 12.0 | 11.7 | 12.8 | 13.7 |
| 6H | 27.0 | 27.9 | 27.8 | 28.7 | 29.7 | 11.0 | 11.9 | 11.8 | 12.7 | 13.7 |
| 8H | 29.7 | 30.5 | 30.5 | 31.3 | 32.3 | 11.0 | 11.8 | 11.8 | 12.6 | 13.6 |
| 12H | 32.6 | 33.3 | 33.4 | 34.2 | 35.2 | 10.9 | 11.6 | 11.7 | 12.5 | 13.5 |
| 12H 4H | 22.5 | 23.4 | 23.2 | 24.2 | 25.2 | 14.5 | 15.4 | 15.2 | 16.2 | 17.2 |
| 6H | 27.0 | 27.8 | 27.8 | 28.6 | 29.6 | 14.7 | 15.5 | 15.5 | 16.3 | 17.4 |
| 8H | 29.7 | 30.4 | 30.5 | 31.2 | 32.3 | 14.7 | 15.4 | 15.5 | 16.3 | 17.3 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.4 / - 0.3 | | | | | + 0.4 / - 0.2 | | | | |
| 2.0H | + 0.6 / - 0.5 | | | | | + 1.1 / - 0.6 | | | | |

CIE Pub.117, 20.44 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -13.5)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

# UTILIZATION FACTORS TABLE

| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
|---|---|---|
| NAME: HCP-271913-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

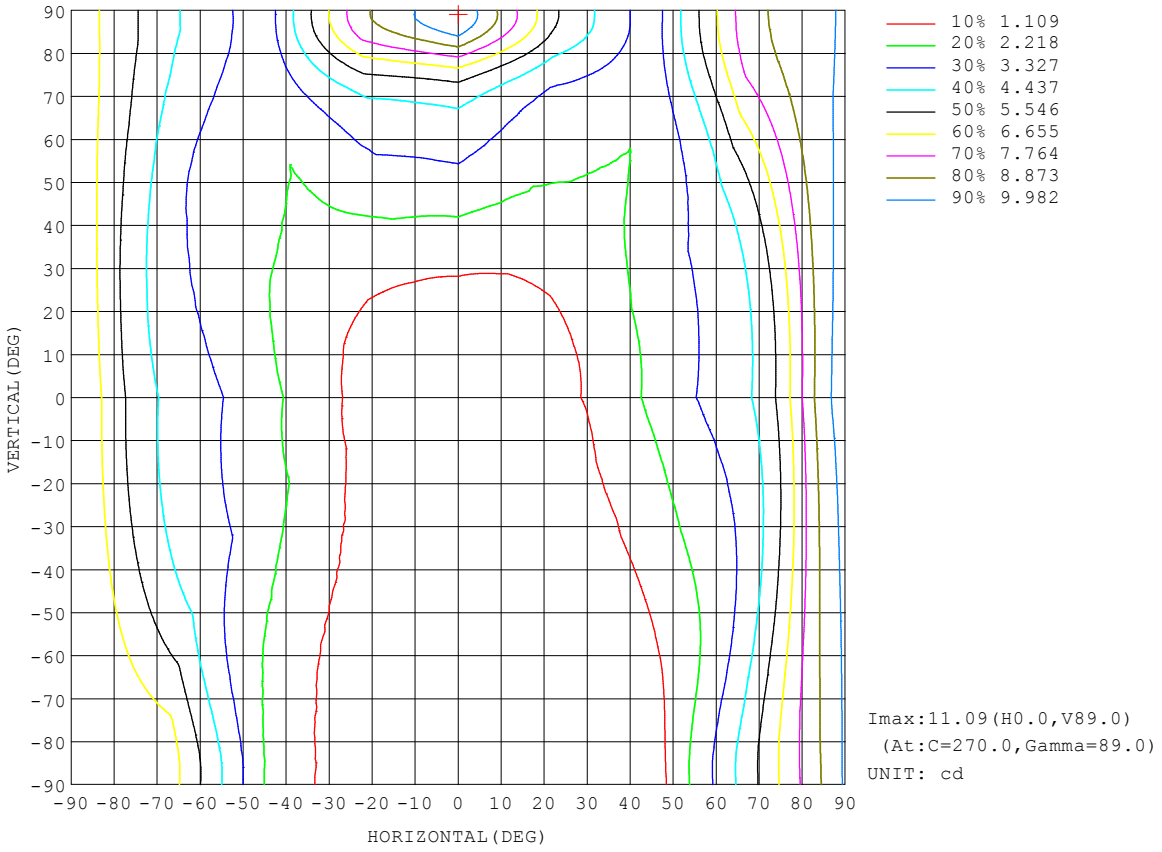
| REFLECTANCE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 34 | 20 | 11 | 33 | 19 | 11 | 31 | 19 | 11 | 4 |
| 0.80 | 42 | 26 | 16 | 40 | 25 | 16 | 37 | 24 | 15 | 6 |
| 1.00 | 48 | 31 | 21 | 46 | 30 | 20 | 42 | 32 | 19 | 10 |
| 1.25 | 55 | 37 | 26 | 52 | 36 | 25 | 48 | 34 | 24 | 13 |
| 1.50 | 60 | 42 | 30 | 57 | 41 | 30 | 52 | 38 | 28 | 16 |
| 2.00 | 67 | 51 | 39 | 64 | 49 | 37 | 58 | 45 | 35 | 21 |
| 2.50 | 73 | 57 | 45 | 69 | 55 | 43 | 62 | 50 | 40 | 25 |
| 3.00 | 77 | 62 | 50 | 73 | 59 | 49 | 65 | 54 | 45 | 29 |
| 4.00 | 83 | 70 | 59 | 79 | 66 | 56 | 70 | 60 | 52 | 35 |
| 5.00 | 87 | 75 | 65 | 82 | 72 | 62 | 74 | 65 | 57 | 39 |
| 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:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
| NAME: HCP-271913-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

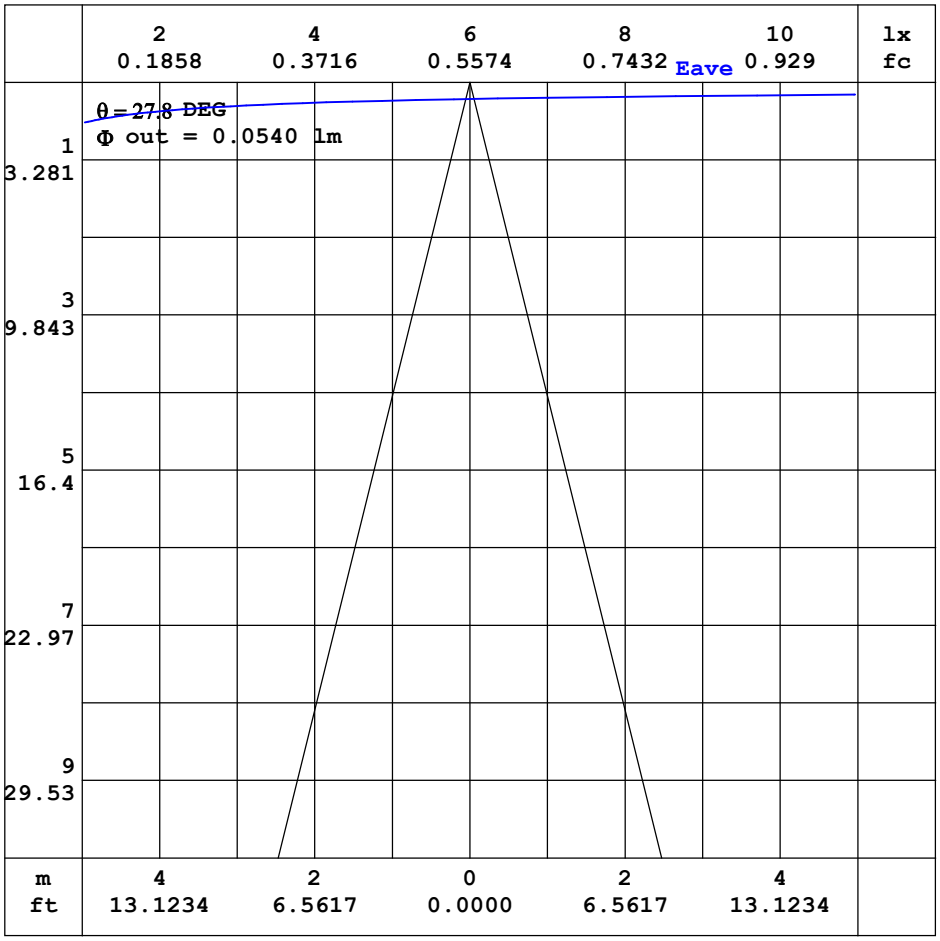



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## AAI CURVES

| | | |
|---|---|---|
| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
| NAME: HCP-271913-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |



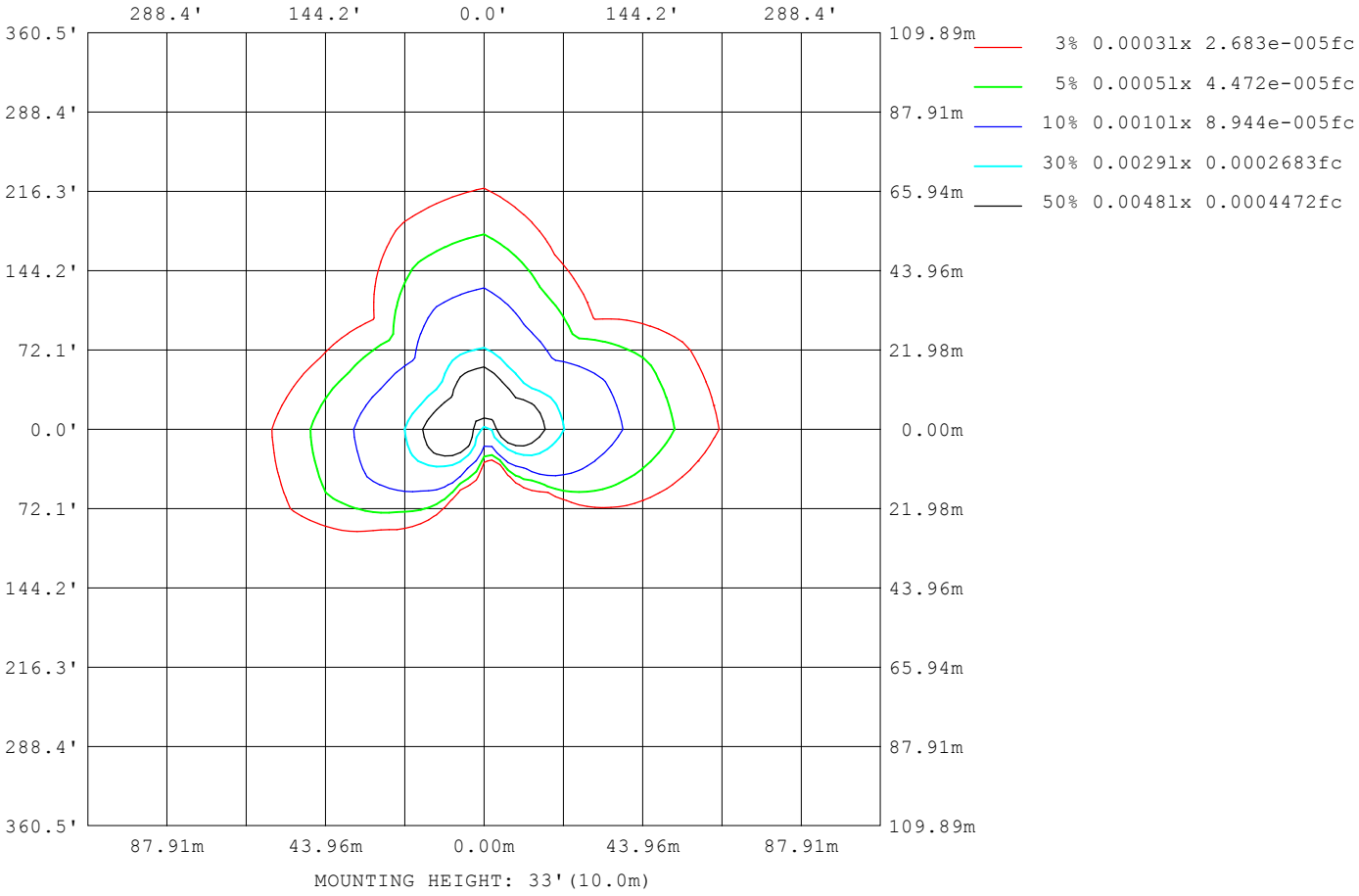

**Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.**

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## ISOLUX DIAGRAM

| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
|---|---|---|
| NAME: HCP-271913-3000K | 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:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## LED Avg.L Report

| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
|---|---|---|
| NAME: HCP-271913-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ONIKE | SUR.: | Shielding Angle: |

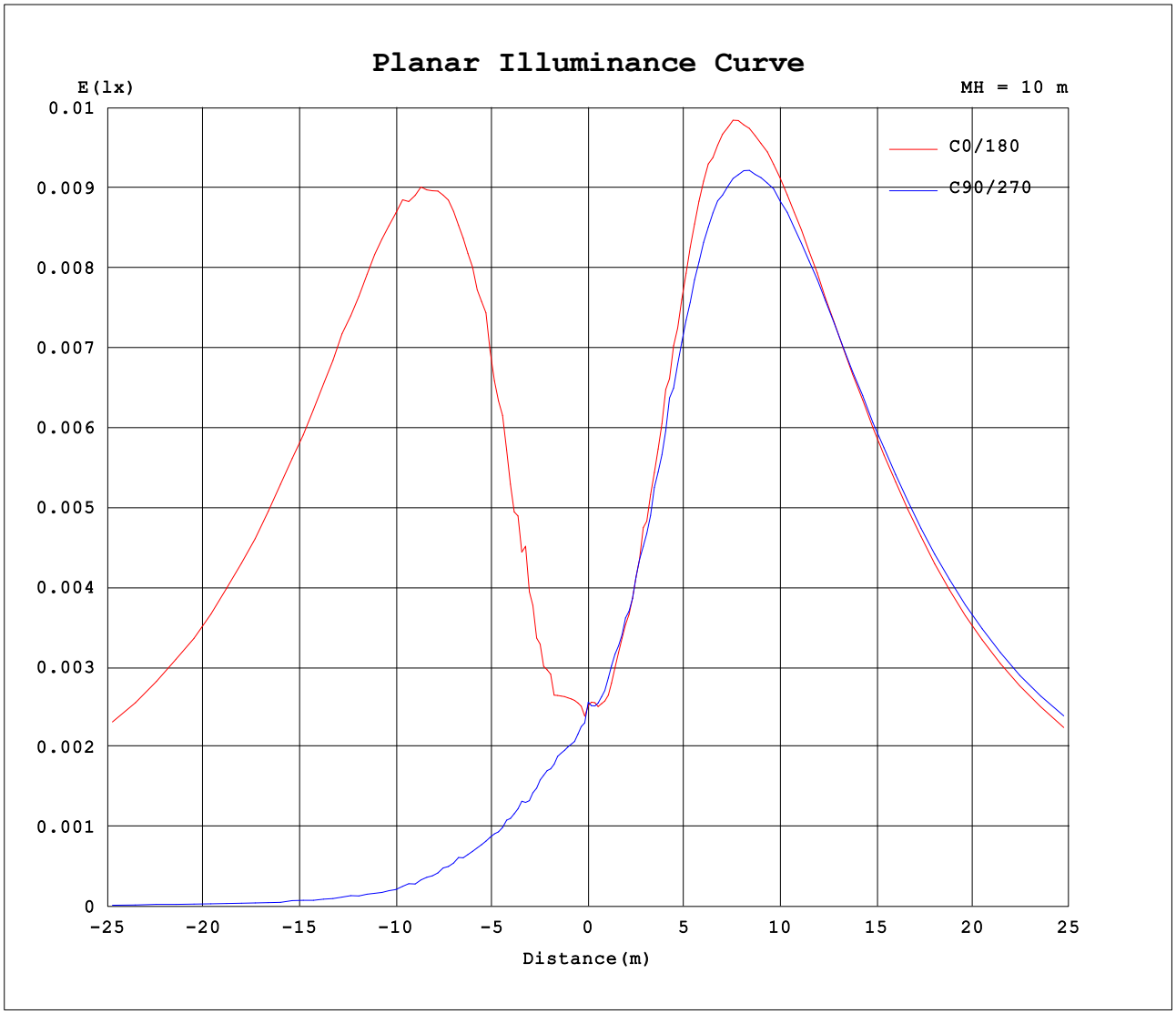
| AvgL | cd/m2 |
|---|---|
| L_0~180(65)av | 96 |
| L_0~180(75)av | 213 |
| L_0~180(85)av | 953 |
| L_90~270(65)av | 50 |
| L_90~270(75)av | 118 |
| L_90~270(85)av | 597 |
| L_45(65)av | 40 |
| L_45(75)av | 70 |
| L_45(85)av | 227 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

## Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271913-Front Cover 3000K

# LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:23.997V I:0.2319A P:5.5649W PF:1.0000 Freq:50.00Hz Lamp Flux:20.4391x1 lm | | |
| NAME: HCP-271913-3000K | 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 | 0.25 | 0.25 | 0.23 | 0.26 | 0.26 | 0.25 | 0.23 | 0.26 | 0.25 | 0.25 | 0.23 | 0.26 | 0.26 | 0.25 | 0.23 | 0.26 | | | |
| 5 | 0.26 | 0.23 | 0.21 | 0.18 | 0.21 | 0.21 | 0.24 | 0.25 | 0.26 | 0.27 | 0.27 | 0.24 | 0.27 | 0.25 | 0.26 | 0.26 | | | |
| 10 | 0.28 | 0.26 | 0.24 | 0.17 | 0.19 | 0.22 | 0.27 | 0.32 | 0.35 | 0.33 | 0.37 | 0.32 | 0.36 | 0.32 | 0.34 | 0.32 | | | |
| 15 | 0.37 | 0.34 | 0.26 | 0.15 | 0.17 | 0.25 | 0.31 | 0.44 | 0.48 | 0.46 | 0.48 | 0.46 | 0.48 | 0.45 | 0.46 | 0.42 | | | |
| 20 | 0.59 | 0.46 | 0.27 | 0.11 | 0.15 | 0.25 | 0.43 | 0.63 | 0.69 | 0.64 | 0.63 | 0.62 | 0.66 | 0.59 | 0.61 | 0.59 | | | |
| 25 | 0.85 | 0.63 | 0.31 | 0.11 | 0.13 | 0.29 | 0.57 | 0.89 | 0.97 | 0.87 | 0.84 | 0.87 | 0.91 | 0.80 | 0.81 | 0.86 | | | |
| 30 | 1.19 | 0.85 | 0.33 | 0.10 | 0.11 | 0.31 | 0.81 | 1.23 | 1.36 | 1.15 | 1.09 | 1.19 | 1.24 | 1.08 | 1.04 | 1.16 | | | |
| 35 | 1.58 | 1.10 | 0.38 | 0.10 | 0.10 | 0.31 | 0.94 | 1.60 | 1.76 | 1.47 | 1.34 | 1.55 | 1.62 | 1.35 | 1.29 | 1.50 | | | |
| 40 | 2.00 | 1.36 | 0.45 | 0.06 | 0.08 | 0.32 | 1.14 | 1.97 | 2.17 | 1.76 | 1.58 | 1.91 | 2.05 | 1.62 | 1.52 | 1.88 | | | |
| 45 | 2.46 | 1.60 | 0.46 | 0.05 | 0.06 | 0.32 | 1.28 | 2.35 | 2.58 | 2.03 | 1.79 | 2.31 | 2.50 | 1.90 | 1.72 | 2.25 | | | |
| 50 | 2.88 | 1.85 | 0.53 | 0.05 | 0.05 | 0.32 | 1.43 | 2.73 | 2.99 | 2.26 | 1.96 | 2.72 | 2.96 | 2.19 | 1.89 | 2.62 | | | |
| 55 | 3.30 | 2.06 | 0.53 | 0.05 | 0.04 | 0.31 | 1.50 | 3.06 | 3.36 | 2.47 | 2.08 | 3.09 | 3.39 | 2.39 | 2.02 | 2.97 | | | |
| 60 | 3.69 | 2.27 | 0.54 | 0.05 | 0.04 | 0.26 | 1.64 | 3.39 | 3.71 | 2.67 | 2.17 | 3.42 | 3.79 | 2.55 | 2.10 | 3.30 | | | |
| 65 | 4.11 | 2.46 | 0.54 | 0.05 | 0.04 | 0.26 | 1.69 | 3.71 | 4.04 | 2.82 | 2.25 | 3.79 | 4.22 | 2.74 | 2.21 | 3.66 | | | |
| 70 | 4.70 | 2.73 | 0.52 | 0.04 | 0.04 | 0.25 | 1.76 | 4.14 | 4.47 | 3.08 | 2.34 | 4.28 | 4.84 | 3.02 | 2.30 | 4.19 | | | |
| 75 | 5.90 | 3.21 | 0.50 | 0.04 | 0.04 | 0.26 | 1.90 | 4.84 | 5.14 | 3.42 | 2.45 | 5.23 | 6.08 | 3.56 | 2.42 | 5.14 | | | |
| 80 | 7.75 | 3.97 | 0.48 | 0.04 | 0.04 | 0.20 | 1.99 | 5.85 | 6.06 | 3.93 | 2.57 | 6.66 | 8.20 | 4.44 | 2.57 | 6.59 | | | |
| 85 | 9.58 | 4.76 | 0.46 | 0.03 | 0.04 | 0.16 | 2.13 | 6.89 | 7.03 | 4.48 | 2.66 | 8.14 | 10.4 | 5.36 | 2.68 | 8.01 | | | |
| 90 | 10.1 | 5.04 | 0.40 | 0.01 | 0.04 | 0.10 | 2.10 | 7.27 | 7.46 | 4.70 | 2.65 | 8.66 | 11.0 | 5.67 | 2.67 | 8.56 | | | |
| 95 | 8.39 | 4.25 | 0.27 | 0.00 | 0.04 | 0.03 | 1.84 | 6.32 | 6.63 | 4.04 | 2.17 | 7.28 | 9.20 | 4.71 | 2.17 | 7.23 | | | |
| 100 | 5.49 | 2.80 | 0.10 | 0.00 | 0.04 | 0.02 | 1.21 | 4.41 | 4.67 | 2.77 | 1.31 | 4.92 | 6.09 | 3.11 | 1.34 | 4.77 | | | |
| 105 | 2.11 | 0.99 | 0.02 | 0.00 | 0.03 | 0.00 | 0.29 | 1.63 | 1.70 | 0.85 | 0.35 | 2.13 | 2.92 | 1.28 | 0.37 | 1.95 | | | |
| 110 | 0.10 | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.08 | 0.08 | 0.03 | 0.00 | 0.10 | 0.18 | 0.06 | 0.00 | 0.11 | | | |
| 115 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Operators:DAMIN
Test Date:2025-11-28

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