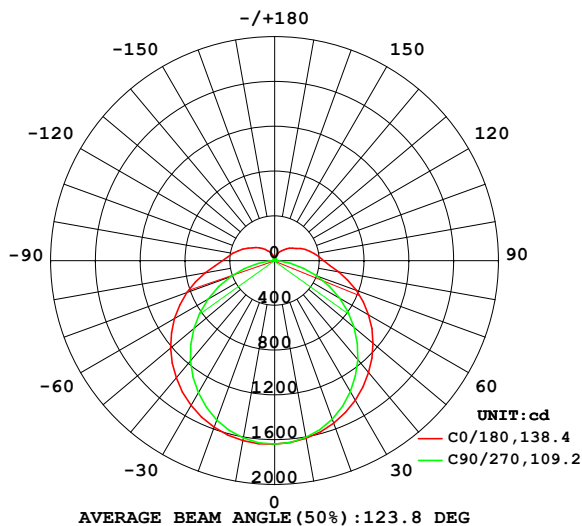


LUMINAIRE PHOTOMETRIC TEST REPORT

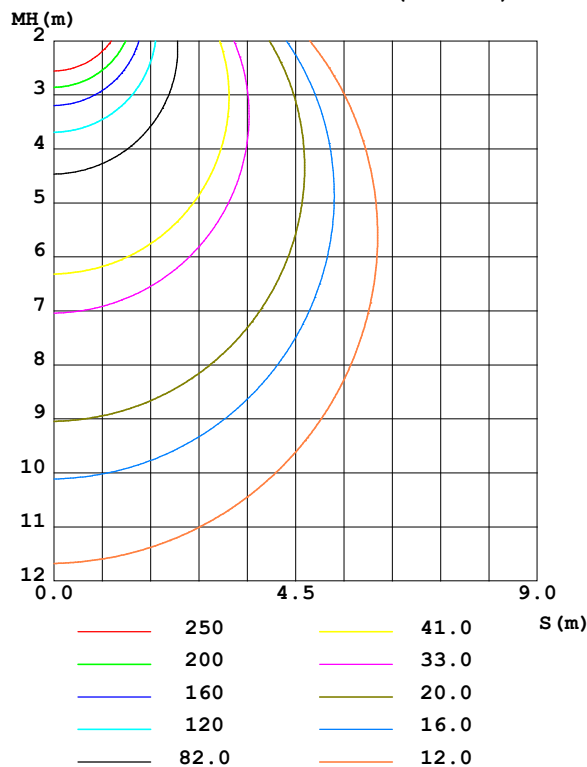
| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 143.46 lm/W |
|------------------|---------|-----------------------|---------|-------------------|----------|------------------|
| MODEL | | I _{max} (cd) | 1641 | S/MH(C0/180) | 1.36 | |
| NOMINAL POWER(W) | 44.5 | LOR(%) | 100.0 | S/MH(C90/270) | 1.24 | |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 6402.0 | η UP,DN(C0-180) | 6.7,43.0 | |
| NOMINAL FLUX(lm) | 6402.03 | CIE CLASS | SEMI-D. | η UP,DN(C180-360) | 6.7,43.6 | |
| LAMPS INSIDE | 1 | η up (%) | 13.4 | CIBSE SHR NOM | 1.50 | |
| TEST VOLTAGE(V) | 230 | η down (%) | 86.6 | CIBSE SHR MAX | 1.50 | |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [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 | 1611 | 1605 | 1604 | 1622 | 1632 | 1625 | 1608 | 1607 | 0- 10 | 155.3 | 155.3 | 2.43,2.43 |
| 20 | 1545 | 1522 | 1506 | 1553 | 1583 | 1558 | 1514 | 1527 | 10- 20 | 446.9 | 602.2 | 9.41,9.41 |
| 30 | 1441 | 1395 | 1353 | 1438 | 1494 | 1444 | 1365 | 1402 | 20- 30 | 684.0 | 1286 | 20.1,20.1 |
| 40 | 1306 | 1233 | 1156 | 1283 | 1368 | 1290 | 1171 | 1242 | 30- 40 | 839.6 | 2126 | 33.2,33.2 |
| 50 | 1148 | 1045 | 926.3 | 1099 | 1212 | 1105 | 942.3 | 1056 | 40- 50 | 899.8 | 3026 | 47.3,47.3 |
| 60 | 969.1 | 839.1 | 671.3 | 893.7 | 1033 | 899.4 | 689.4 | 850.6 | 50- 60 | 863.2 | 3889 | 60.7,60.7 |
| 70 | 775.8 | 625.7 | 400.8 | 676.1 | 833.5 | 681.5 | 416.4 | 637.3 | 60- 70 | 739.4 | 4628 | 72.3,72.3 |
| 80 | 581.1 | 420.6 | 142.4 | 463.3 | 629.9 | 464.6 | 156.1 | 428.8 | 70- 80 | 553.3 | 5181 | 80.9,80.9 |
| 90 | 437.9 | 281.8 | 5.801 | 306.7 | 465.8 | 305.6 | 5.727 | 287.7 | 80- 90 | 363.8 | 5545 | 86.6,86.6 |
| 100 | 362.1 | 222.7 | 8.484 | 238.2 | 380.7 | 236.6 | 7.929 | 226.3 | 90-100 | 260.3 | 5806 | 90.7,90.7 |
| 110 | 293.6 | 167.8 | 11.58 | 179.7 | 305.6 | 177.0 | 10.91 | 170.1 | 100-110 | 200.2 | 6006 | 93.8,93.8 |
| 120 | 221.3 | 132.5 | 14.66 | 138.1 | 230.6 | 135.6 | 13.98 | 133.3 | 110-120 | 144.6 | 6150 | 96.1,96.1 |
| 130 | 175.0 | 103.1 | 17.66 | 108.4 | 178.6 | 106.5 | 16.95 | 105.5 | 120-130 | 103.1 | 6253 | 97.7,97.7 |
| 140 | 130.4 | 73.75 | 20.36 | 83.71 | 131.8 | 82.31 | 19.84 | 75.54 | 130-140 | 69.59 | 6323 | 98.8,98.8 |
| 150 | 92.49 | 52.60 | 22.70 | 62.40 | 92.82 | 61.39 | 22.39 | 51.61 | 140-150 | 42.66 | 6366 | 99.4,99.4 |
| 160 | 62.01 | 40.34 | 24.72 | 43.38 | 60.69 | 42.16 | 24.57 | 39.12 | 150-160 | 23.22 | 6389 | 99.8,99.8 |
| 170 | 37.33 | 31.98 | 26.18 | 31.65 | 35.60 | 31.21 | 26.23 | 31.61 | 160-170 | 10.37 | 6399 | 100,100 |
| 180 | 26.78 | 26.70 | 26.76 | 26.79 | 26.77 | 26.67 | 26.80 | 26.71 | 170-180 | 2.777 | 6402 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 2574.3 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(120deg): 3888.7 lm

%lum = 60.7%

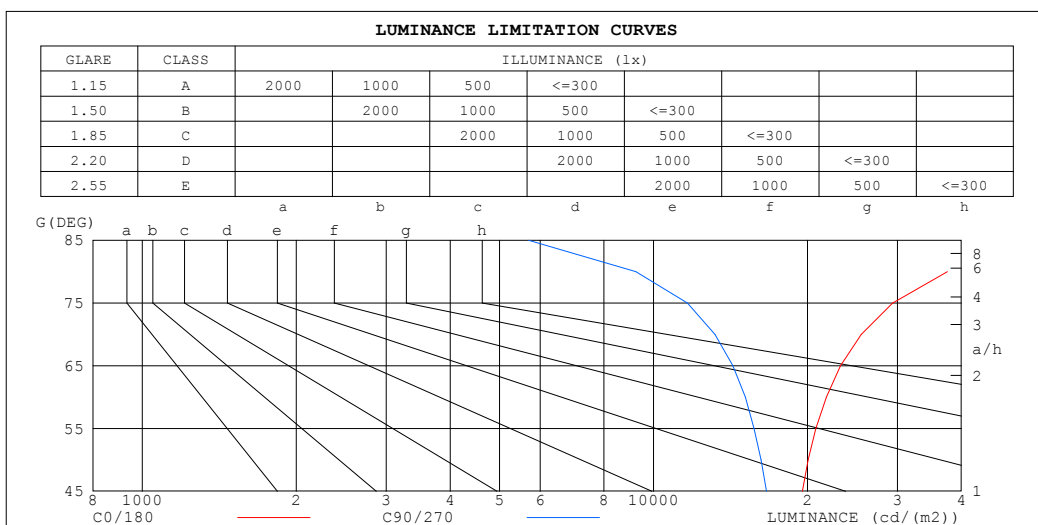
%lamp = 60.7%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 63926 | 5698 |
| 80 | 37588 | 9233 |
| 75 | 29379 | 11645 |
| 70 | 25477 | 13195 |
| 65 | 23218 | 14304 |
| 60 | 21768 | 15118 |
| 55 | 20768 | 15734 |
| 50 | 20058 | 16227 |
| 45 | 19543 | 16634 |

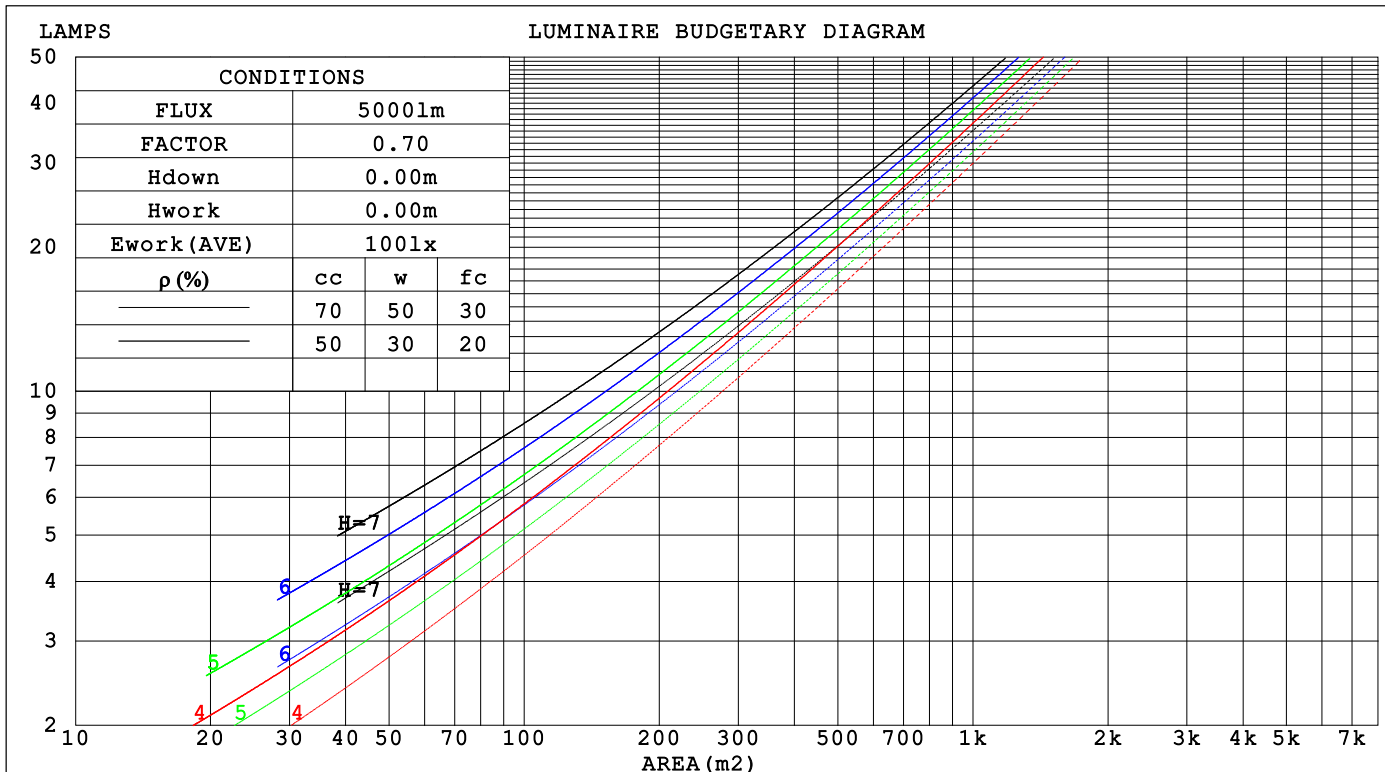
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | 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 | 1.16 | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.04 | 1.04 | 1.04 | .96 | .96 | .96 | .90 | .90 | .90 | .87 |
| 1.0 | .98 | .93 | .88 | .94 | .90 | .86 | .88 | .84 | .81 | .81 | .78 | .76 | .76 | .73 | .71 | .68 |
| 2.0 | .84 | .77 | .70 | .81 | .74 | .69 | .75 | .70 | .65 | .70 | .65 | .61 | .65 | .61 | .58 | .55 |
| 3.0 | .73 | .65 | .58 | .71 | .63 | .56 | .66 | .59 | .54 | .61 | .56 | .51 | .57 | .52 | .48 | .46 |
| 4.0 | .65 | .55 | .48 | .62 | .54 | .47 | .58 | .51 | .45 | .54 | .48 | .43 | .50 | .45 | .41 | .38 |
| 5.0 | .57 | .48 | .41 | .56 | .47 | .40 | .52 | .44 | .39 | .48 | .42 | .37 | .45 | .40 | .35 | .33 |
| 6.0 | .52 | .42 | .36 | .50 | .41 | .35 | .47 | .39 | .34 | .44 | .37 | .32 | .41 | .35 | .31 | .29 |
| 7.0 | .47 | .38 | .31 | .45 | .37 | .31 | .42 | .35 | .30 | .40 | .33 | .28 | .37 | .32 | .27 | .25 |
| 8.0 | .42 | .34 | .28 | .41 | .33 | .27 | .39 | .31 | .26 | .36 | .30 | .25 | .34 | .29 | .24 | .22 |
| 9.0 | .39 | .30 | .25 | .38 | .30 | .24 | .35 | .28 | .24 | .33 | .27 | .23 | .32 | .26 | .22 | .20 |
| 10.0 | .36 | .28 | .22 | .35 | .27 | .22 | .33 | .26 | .21 | .31 | .25 | .21 | .29 | .24 | .20 | .18 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | 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 | .361 | .205 | .065 | .350 | .199 | .063 | .328 | .188 | .060 | .309 | .178 | .057 | .291 | .169 | .054 | | |
| 2.0 | .320 | .175 | .054 | .310 | .171 | .053 | .291 | .162 | .050 | .273 | .153 | .048 | .257 | .145 | .046 | | |
| 3.0 | .287 | .153 | .046 | .278 | .149 | .045 | .261 | .142 | .043 | .245 | .134 | .041 | .231 | .128 | .040 | | |
| 4.0 | .261 | .135 | .040 | .252 | .132 | .039 | .237 | .126 | .038 | .223 | .120 | .036 | .209 | .114 | .035 | | |
| 5.0 | .238 | .121 | .035 | .231 | .118 | .035 | .217 | .113 | .033 | .204 | .107 | .032 | .192 | .102 | .031 | | |
| 6.0 | .219 | .110 | .031 | .212 | .107 | .031 | .200 | .102 | .030 | .188 | .098 | .029 | .177 | .093 | .028 | | |
| 7.0 | .203 | .100 | .028 | .196 | .098 | .028 | .185 | .093 | .027 | .174 | .089 | .026 | .164 | .085 | .025 | | |
| 8.0 | .188 | .092 | .026 | .183 | .090 | .025 | .172 | .086 | .025 | .162 | .082 | .024 | .153 | .078 | .023 | | |
| 9.0 | .176 | .085 | .024 | .171 | .083 | .023 | .161 | .080 | .023 | .152 | .076 | .022 | .143 | .073 | .021 | | |
| 10.0 | .165 | .079 | .022 | .160 | .077 | .022 | .151 | .074 | .021 | .143 | .071 | .020 | .135 | .068 | .019 | | |

| 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 | .292 | .292 | .292 | .250 | .250 | .250 | .171 | .171 | .171 | .098 | .098 | .098 | .031 | .031 | .031 | | |
| 1.0 | .287 | .258 | .233 | .245 | .222 | .201 | .168 | .153 | .139 | .097 | .088 | .081 | .031 | .028 | .026 | | |
| 2.0 | .279 | .235 | .198 | .239 | .203 | .171 | .164 | .140 | .119 | .095 | .082 | .070 | .030 | .026 | .023 | | |
| 3.0 | .272 | .218 | .176 | .233 | .188 | .152 | .160 | .131 | .107 | .092 | .076 | .063 | .030 | .025 | .021 | | |
| 4.0 | .264 | .206 | .161 | .227 | .178 | .140 | .156 | .124 | .099 | .090 | .073 | .058 | .029 | .024 | .019 | | |
| 5.0 | .257 | .196 | .151 | .220 | .169 | .131 | .152 | .118 | .093 | .088 | .069 | .055 | .028 | .023 | .018 | | |
| 6.0 | .249 | .188 | .144 | .214 | .163 | .125 | .148 | .114 | .088 | .086 | .067 | .053 | .028 | .022 | .017 | | |
| 7.0 | .242 | .181 | .138 | .208 | .157 | .120 | .144 | .110 | .085 | .084 | .065 | .051 | .027 | .021 | .017 | | |
| 8.0 | .236 | .175 | .134 | .203 | .152 | .117 | .140 | .107 | .083 | .082 | .063 | .049 | .026 | .021 | .016 | | |
| 9.0 | .229 | .171 | .131 | .198 | .148 | .114 | .137 | .104 | .081 | .080 | .061 | .048 | .026 | .020 | .016 | | |
| 10.0 | .224 | .166 | .128 | .193 | .145 | .112 | .134 | .102 | .080 | .078 | .060 | .047 | .025 | .020 | .016 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|-----|------------------|------|------|------|---------------|----------------|------|------------------|------|------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | | | | | | | | | | |
| NAME: B15-W3457KA (52W 4000K) | | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | | DIM.: 0.08886 | | | SERIAL No.: 1 | | |
| MFR.: | | | | | | 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 | 2H | 22.8 | 24.2 | 23.2 | 24.6 | 25.1 | 21.3 | 22.7 | 21.8 | 23.2 | 23.6 |
| | 3H | 25.1 | 26.4 | 25.6 | 26.8 | 27.3 | 22.7 | 24.0 | 23.2 | 24.5 | 25.0 |
| | 4H | 26.3 | 27.5 | 26.8 | 28.0 | 28.5 | 23.3 | 24.5 | 23.8 | 25.0 | 25.5 |
| | 6H | 27.5 | 28.7 | 28.1 | 29.2 | 29.8 | 23.6 | 24.7 | 24.1 | 25.2 | 25.8 |
| | 8H | 28.2 | 29.3 | 28.7 | 29.8 | 30.4 | 23.6 | 24.7 | 24.1 | 25.2 | 25.8 |
| | 12H | 29.0 | 30.1 | 29.6 | 30.6 | 31.2 | 23.6 | 24.7 | 24.1 | 25.2 | 25.8 |
| 4H | 2H | 23.3 | 24.6 | 23.8 | 25.0 | 25.6 | 22.2 | 23.5 | 22.7 | 23.9 | 24.5 |
| | 3H | 25.8 | 26.9 | 26.4 | 27.5 | 28.0 | 23.9 | 25.0 | 24.4 | 25.5 | 26.1 |
| | 4H | 27.2 | 28.2 | 27.8 | 28.8 | 29.4 | 24.6 | 25.5 | 25.1 | 26.1 | 26.7 |
| | 6H | 28.7 | 29.6 | 29.3 | 30.2 | 30.8 | 25.0 | 25.9 | 25.6 | 26.5 | 27.1 |
| | 8H | 29.5 | 30.3 | 30.1 | 30.9 | 31.6 | 25.1 | 25.9 | 25.7 | 26.5 | 27.2 |
| | 12H | 30.4 | 31.2 | 31.0 | 31.8 | 32.5 | 25.2 | 25.9 | 25.8 | 26.5 | 27.2 |
| 8H | 4H | 27.5 | 28.3 | 28.1 | 28.9 | 29.6 | 25.3 | 26.1 | 25.9 | 26.7 | 27.4 |
| | 6H | 29.2 | 29.9 | 29.9 | 30.6 | 31.3 | 26.0 | 26.7 | 26.7 | 27.4 | 28.1 |
| | 8H | 30.2 | 30.9 | 30.9 | 31.5 | 32.2 | 26.3 | 26.9 | 26.9 | 27.5 | 28.3 |
| | 12H | 31.4 | 32.0 | 32.1 | 32.6 | 33.4 | 26.5 | 27.0 | 27.2 | 27.7 | 28.4 |
| 12H | 4H | 27.5 | 28.3 | 28.1 | 28.9 | 29.6 | 25.5 | 26.3 | 26.1 | 26.9 | 27.6 |
| | 6H | 29.3 | 29.9 | 30.0 | 30.6 | 31.3 | 26.4 | 27.0 | 27.1 | 27.7 | 28.4 |
| | 8H | 30.4 | 31.0 | 31.1 | 31.6 | 32.4 | 26.8 | 27.4 | 27.5 | 28.0 | 28.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 6402 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.5)
Area: 0.08886 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

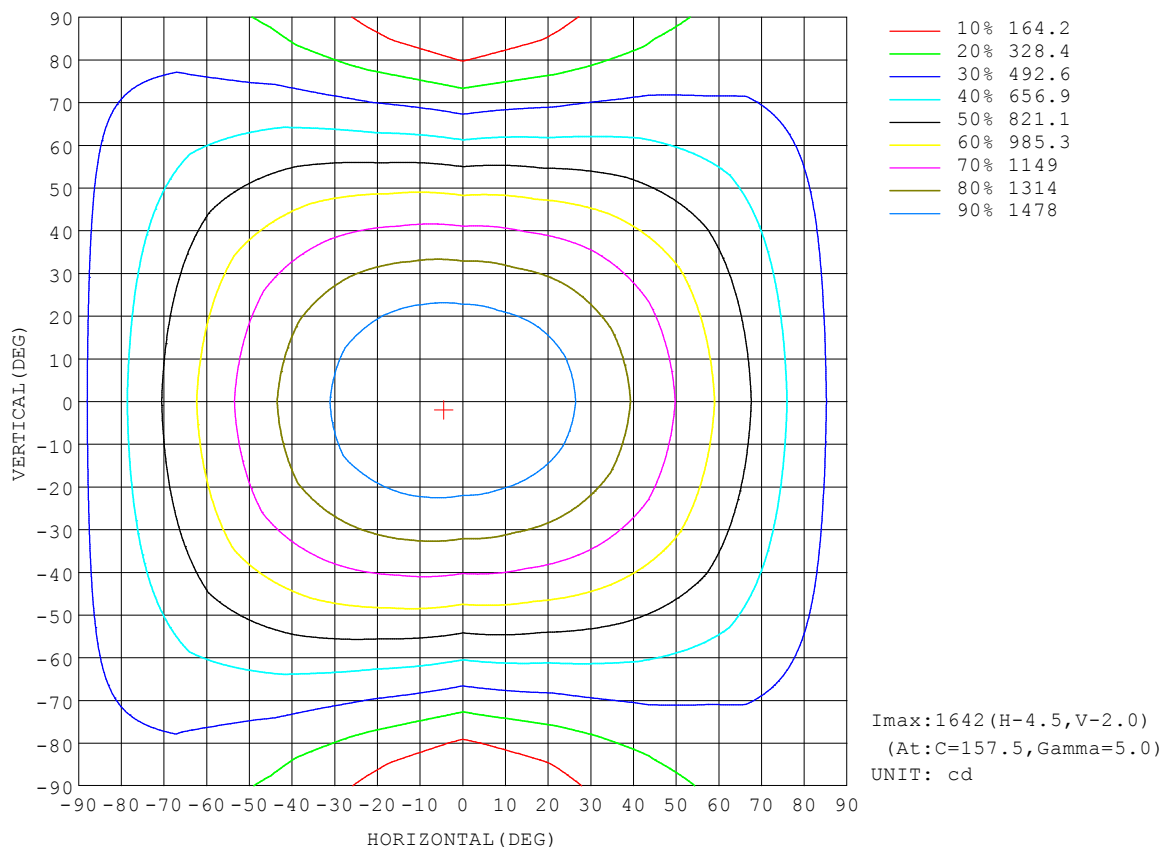
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 50 | 38 | 31 | 49 | 38 | 31 | 48 | 37 | 31 | 24 |
| 0.80 | 60 | 47 | 40 | 58 | 47 | 39 | 56 | 45 | 38 | 31 |
| 1.00 | 68 | 55 | 47 | 66 | 55 | 47 | 63 | 55 | 46 | 38 |
| 1.25 | 75 | 63 | 55 | 73 | 62 | 54 | 69 | 59 | 53 | 44 |
| 1.50 | 80 | 68 | 60 | 77 | 67 | 59 | 73 | 64 | 58 | 48 |
| 2.00 | 87 | 77 | 69 | 84 | 75 | 68 | 79 | 71 | 65 | 55 |
| 2.50 | 91 | 82 | 75 | 88 | 80 | 73 | 83 | 76 | 70 | 58 |
| 3.00 | 95 | 86 | 80 | 92 | 84 | 78 | 86 | 80 | 74 | 62 |
| 4.00 | 100 | 92 | 86 | 96 | 90 | 84 | 90 | 84 | 80 | 67 |
| 5.00 | 102 | 96 | 91 | 99 | 93 | 88 | 92 | 87 | 83 | 70 |
| 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:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

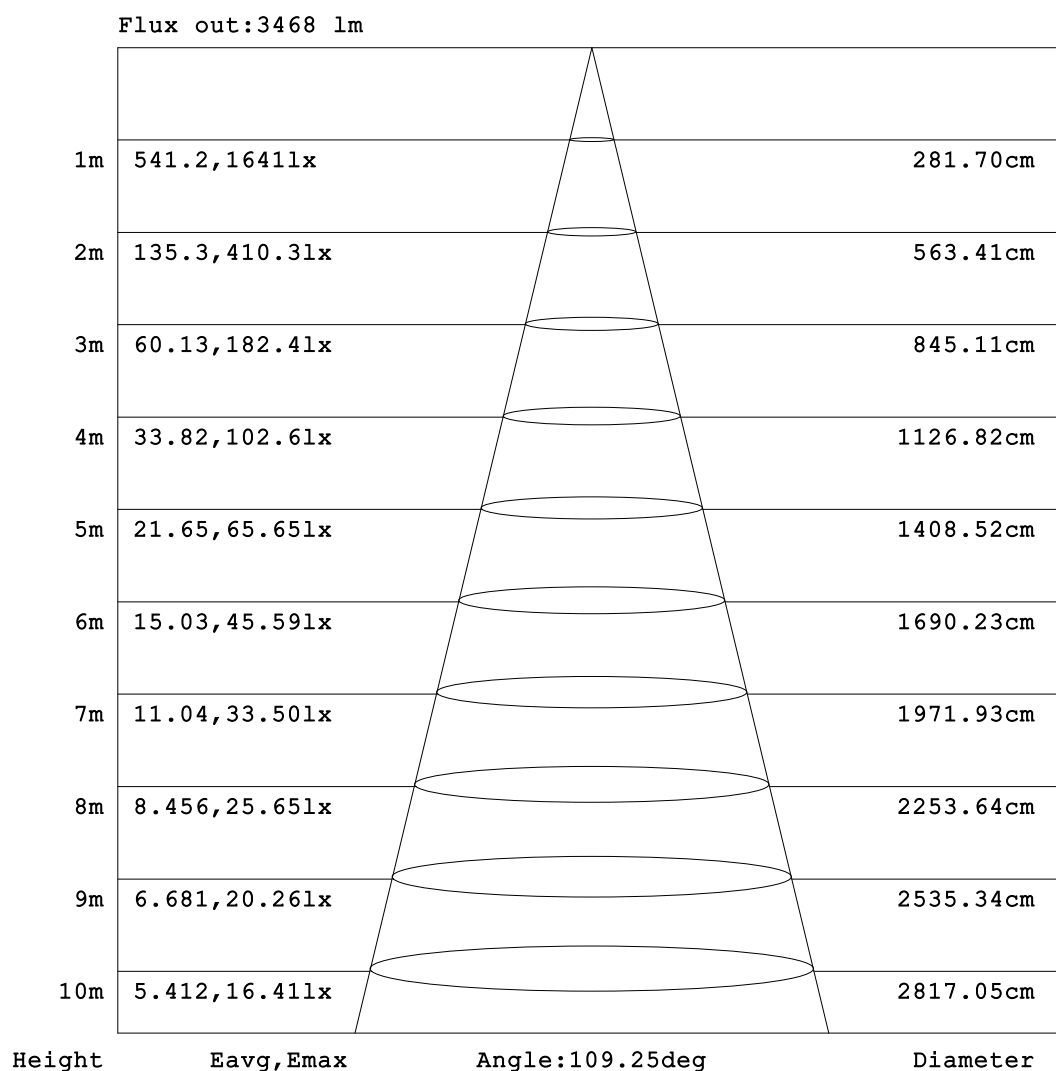


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |



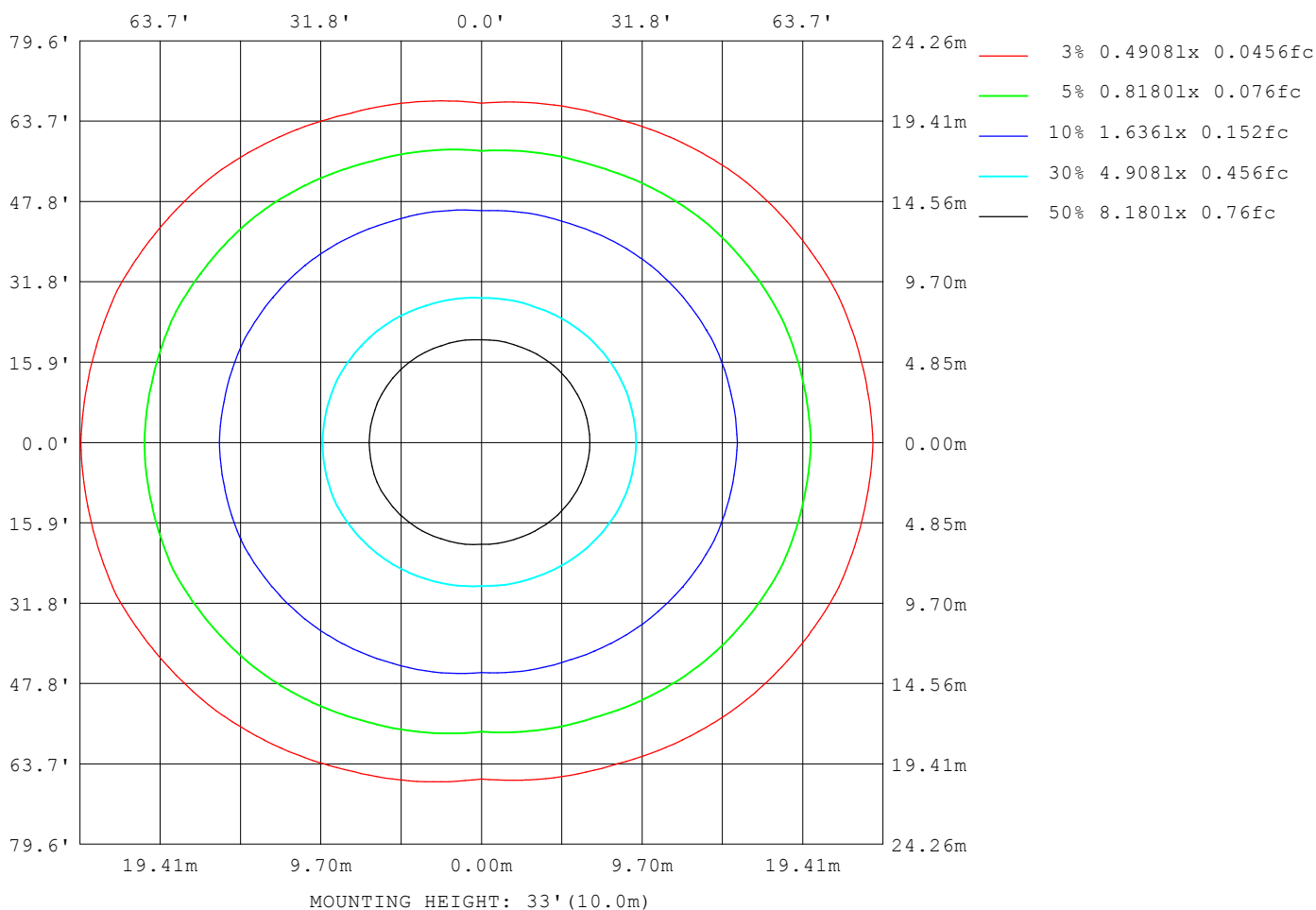
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|---------------|------------------|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | |
| NAME: B15-W3457KA (52W 4000K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

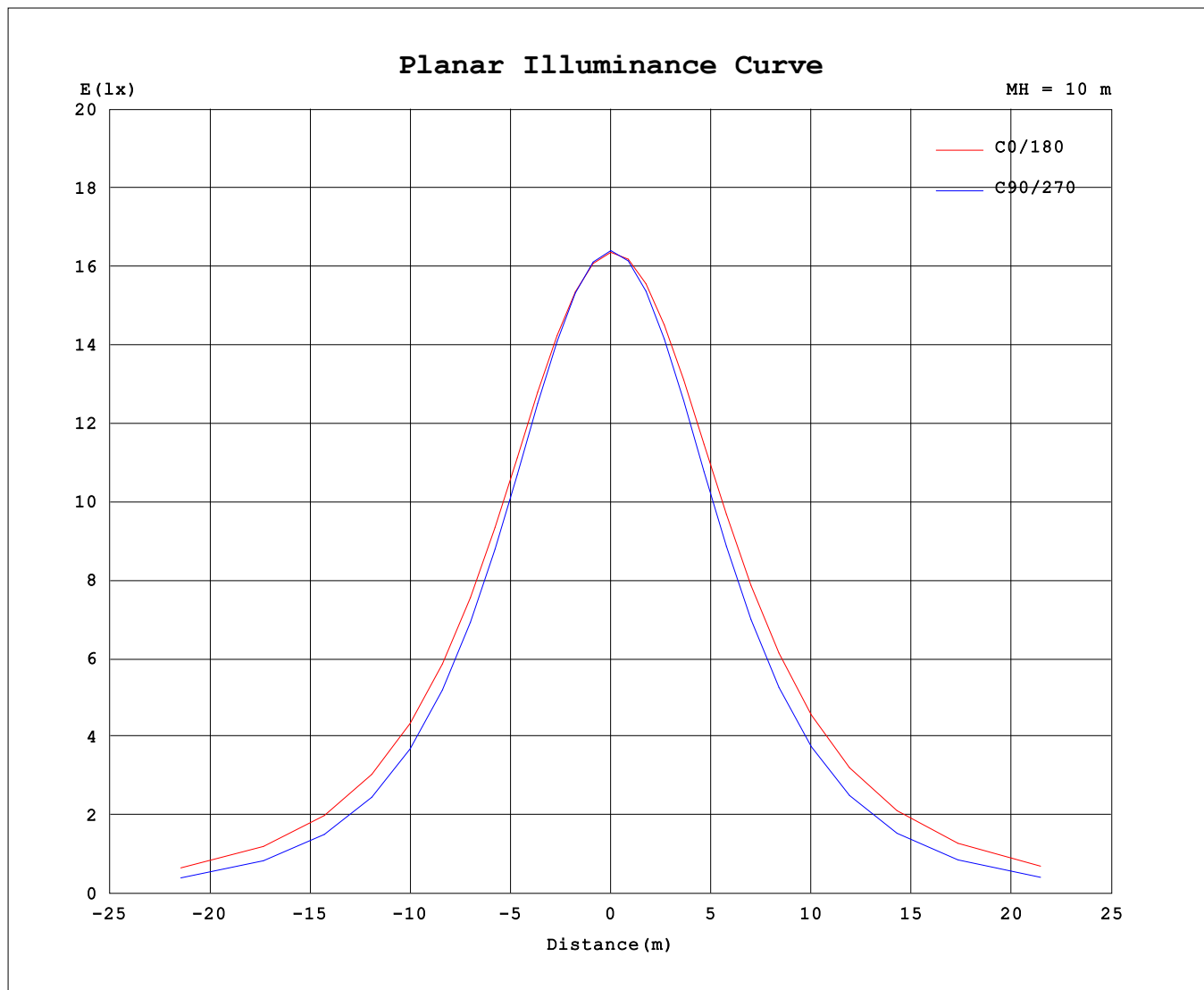
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 24081 |
| L_0~180 (75) av | 30606 |
| L_0~180 (85) av | 66533 |
| L_90~270 (65) av | 14516 |
| L_90~270 (75) av | 11947 |
| L_90~270 (85) av | 6307 |
| L_45 (65) av | 20331 |
| L_45 (75) av | 23766 |
| L_45 (85) av | 45905 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|------------------|--|--|
| Test:U:230.40V I:0.2003A P:44.627W PF:0.9668 Freq:50.00Hz Lamp Flux:6402.03x1 lm | | | | | | | | | | | | | | | | | |
| NAME: B15-W3457KA (52W 4000K) | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: 0.08886 | | | | | | SERIAL No.: 1 | | |
| MFR.: | | | | | | | | | SUR.: | | | | | | Shielding Angle: | | |

Table--1

UNIT: cd

| C (DEG) γ (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 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | 1639 | | | |
| 5 | 1629 | 1629 | 1628 | 1628 | 1629 | 1634 | 1637 | 1641 | 1641 | 1640 | 1639 | 1635 | 1632 | 1629 | 1630 | 1630 | | | |
| 10 | 1611 | 1609 | 1605 | 1602 | 1604 | 1612 | 1622 | 1632 | 1632 | 1630 | 1625 | 1615 | 1608 | 1605 | 1607 | 1610 | | | |
| 15 | 1583 | 1579 | 1569 | 1561 | 1562 | 1577 | 1594 | 1611 | 1613 | 1609 | 1598 | 1581 | 1569 | 1565 | 1573 | 1580 | | | |
| 20 | 1545 | 1538 | 1522 | 1508 | 1506 | 1527 | 1553 | 1579 | 1583 | 1577 | 1558 | 1532 | 1514 | 1513 | 1527 | 1539 | | | |
| 25 | 1497 | 1487 | 1464 | 1441 | 1435 | 1464 | 1501 | 1536 | 1543 | 1534 | 1507 | 1469 | 1446 | 1447 | 1470 | 1489 | | | |
| 30 | 1441 | 1428 | 1395 | 1363 | 1353 | 1389 | 1438 | 1483 | 1494 | 1481 | 1444 | 1395 | 1365 | 1370 | 1402 | 1429 | | | |
| 35 | 1377 | 1360 | 1317 | 1275 | 1259 | 1304 | 1365 | 1421 | 1435 | 1418 | 1372 | 1310 | 1273 | 1283 | 1326 | 1361 | | | |
| 40 | 1306 | 1285 | 1233 | 1179 | 1156 | 1209 | 1283 | 1351 | 1368 | 1347 | 1290 | 1216 | 1171 | 1187 | 1242 | 1286 | | | |
| 45 | 1230 | 1205 | 1142 | 1075 | 1045 | 1107 | 1194 | 1272 | 1294 | 1269 | 1201 | 1114 | 1060 | 1085 | 1151 | 1205 | | | |
| 50 | 1148 | 1118 | 1045 | 965 | 926 | 998 | 1099 | 1188 | 1212 | 1184 | 1105 | 1004 | 942 | 975 | 1056 | 1119 | | | |
| 55 | 1061 | 1027 | 943 | 850 | 801 | 884 | 999 | 1098 | 1126 | 1093 | 1005 | 890 | 819 | 861 | 954 | 1028 | | | |
| 60 | 969 | 933 | 839 | 732 | 671 | 765 | 894 | 1002 | 1033 | 997 | 899 | 771 | 689 | 742 | 851 | 933 | | | |
| 65 | 874 | 834 | 733 | 611 | 537 | 644 | 786 | 902 | 935 | 896 | 791 | 649 | 553 | 622 | 744 | 835 | | | |
| 70 | 776 | 735 | 626 | 488 | 401 | 519 | 676 | 799 | 834 | 793 | 682 | 526 | 416 | 501 | 637 | 734 | | | |
| 75 | 677 | 635 | 520 | 372 | 268 | 401 | 567 | 694 | 731 | 688 | 571 | 406 | 282 | 383 | 528 | 634 | | | |
| 80 | 581 | 535 | 421 | 265 | 142 | 291 | 463 | 593 | 630 | 586 | 465 | 294 | 156 | 277 | 429 | 537 | | | |
| 85 | 496 | 451 | 336 | 177 | 44.1 | 198 | 371 | 497 | 534 | 493 | 372 | 199 | 53.6 | 185 | 343 | 453 | | | |
| 90 | 438 | 395 | 282 | 128 | 5.80 | 140 | 307 | 427 | 466 | 425 | 306 | 138 | 5.73 | 133 | 288 | 397 | | | |
| 95 | 399 | 358 | 251 | 105 | 7.04 | 114 | 270 | 385 | 421 | 382 | 268 | 112 | 6.53 | 109 | 255 | 360 | | | |
| 100 | 362 | 324 | 223 | 88.5 | 8.48 | 95.0 | 238 | 346 | 381 | 343 | 237 | 92.9 | 7.93 | 91.6 | 226 | 325 | | | |
| 105 | 327 | 292 | 198 | 76.9 | 10.0 | 81.5 | 210 | 310 | 342 | 307 | 208 | 79.3 | 9.37 | 79.2 | 201 | 292 | | | |
| 110 | 294 | 261 | 168 | 68.6 | 11.6 | 71.8 | 180 | 276 | 306 | 273 | 177 | 69.7 | 10.9 | 70.2 | 170 | 261 | | | |
| 115 | 261 | 225 | 145 | 61.7 | 13.2 | 64.0 | 152 | 231 | 264 | 229 | 149 | 62.0 | 12.5 | 62.9 | 146 | 221 | | | |
| 120 | 221 | 198 | 133 | 55.3 | 14.7 | 56.6 | 138 | 207 | 231 | 203 | 136 | 54.6 | 14.0 | 55.3 | 133 | 197 | | | |
| 125 | 198 | 177 | 118 | 50.7 | 16.2 | 52.0 | 123 | 184 | 206 | 181 | 120 | 50.8 | 15.5 | 51.1 | 119 | 176 | | | |
| 130 | 175 | 155 | 103 | 46.1 | 17.7 | 48.3 | 108 | 160 | 179 | 157 | 107 | 47.1 | 17.0 | 46.0 | 105 | 153 | | | |
| 135 | 152 | 135 | 90.9 | 41.7 | 19.0 | 45.2 | 95.8 | 139 | 154 | 136 | 94.1 | 44.1 | 18.4 | 41.6 | 92.0 | 134 | | | |
| 140 | 130 | 117 | 73.8 | 38.0 | 20.4 | 42.4 | 83.7 | 120 | 132 | 117 | 82.3 | 41.3 | 19.8 | 37.5 | 75.5 | 116 | | | |
| 145 | 111 | 99.6 | 61.4 | 35.1 | 21.6 | 39.4 | 72.2 | 102 | 112 | 100.0 | 71.0 | 38.1 | 21.1 | 34.4 | 61.3 | 98.5 | | | |
| 150 | 92.5 | 83.8 | 52.6 | 31.7 | 22.7 | 34.9 | 62.4 | 85.5 | 92.8 | 83.7 | 61.4 | 34.2 | 22.4 | 30.8 | 51.6 | 83.1 | | | |
| 155 | 76.3 | 66.4 | 45.1 | 31.4 | 23.7 | 32.9 | 53.5 | 70.7 | 75.7 | 69.0 | 52.6 | 32.3 | 23.5 | 30.9 | 43.7 | 66.5 | | | |
| 160 | 62.0 | 50.4 | 40.3 | 30.8 | 24.7 | 30.9 | 43.4 | 57.8 | 60.7 | 56.1 | 42.2 | 30.4 | 24.6 | 30.4 | 39.1 | 49.7 | | | |
| 165 | 49.3 | 39.7 | 35.4 | 29.6 | 25.5 | 29.1 | 36.9 | 43.1 | 46.9 | 42.2 | 36.3 | 28.8 | 25.5 | 29.4 | 34.8 | 37.7 | | | |
| 170 | 37.3 | 33.2 | 32.0 | 28.3 | 26.2 | 27.8 | 31.7 | 35.0 | 35.6 | 34.3 | 31.2 | 27.8 | 26.2 | 28.3 | 31.6 | 32.2 | | | |
| 175 | 30.0 | 29.3 | 28.5 | 27.3 | 26.6 | 27.2 | 28.2 | 29.0 | 29.1 | 28.6 | 27.9 | 27.2 | 26.7 | 27.4 | 28.4 | 28.8 | | | |
| 180 | 26.8 | 26.7 | 26.7 | 26.7 | 26.8 | 26.7 | 26.8 | 26.8 | 26.8 | 26.7 | 26.7 | 26.7 | 26.8 | 26.7 | 26.7 | 26.8 | | | |

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C Interval: 22.5DEG
Test Speed: HIGH
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Operators:DAMIN
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γ Range: 0 - 180DEG
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