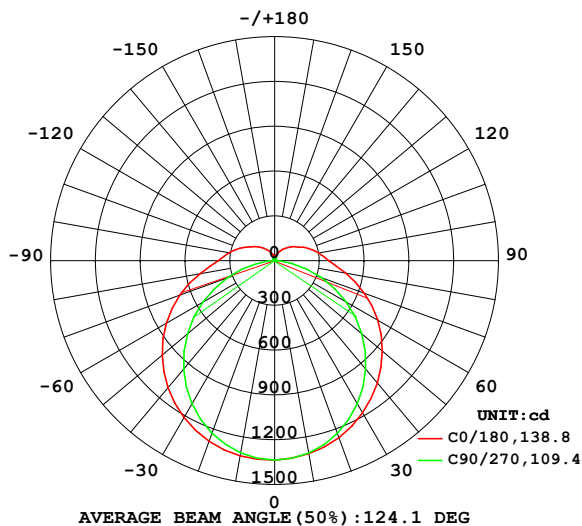


LUMINAIRE PHOTOMETRIC TEST REPORT

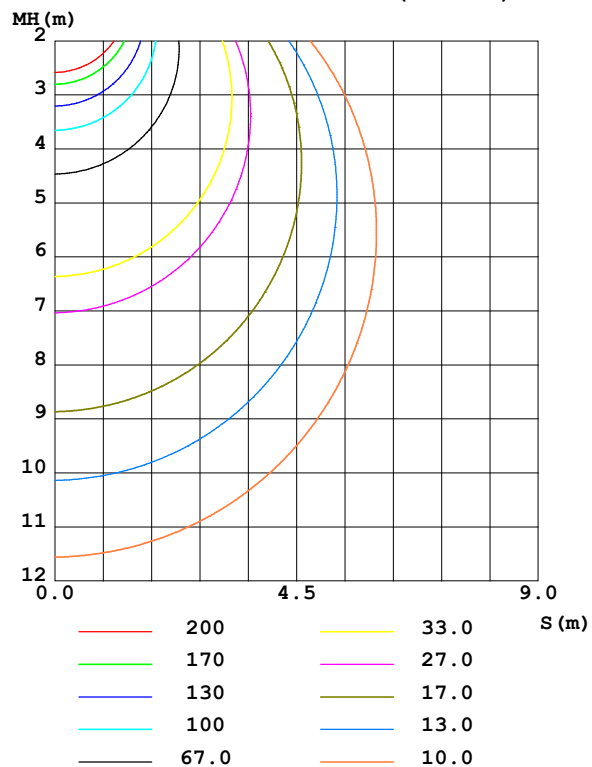
| | | |
|---|---------------|------------------|
| Test:U:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.7lx1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 134.97 lm/W | | | |
|------------------|---------|-----------------------------------|---------|-------------------|----------|
| MODEL | | I _{max} (cd) | 1336 | S/MH(C0/180) | 1.35 |
| NOMINAL POWER(W) | 38.7 | LOR(%) | 100.0 | S/MH(C90/270) | 1.24 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 5230.7 | η UP,DN(C0-180) | 6.7,43.2 |
| NOMINAL FLUX(lm) | 5230.71 | CIE CLASS | SEMI-D. | η UP,DN(C180-360) | 6.7,43.4 |
| LAMPS INSIDE | 1 | η up (%) | 13.5 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 230 | η down (%) | 86.5 | 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 | 1313 | 1309 | 1309 | 1322 | 1328 | 1321 | 1308 | 1309 | 0- 10 | 126.5 | 126.5 | 2.42,2.42 |
| 20 | 1261 | 1244 | 1231 | 1267 | 1288 | 1265 | 1230 | 1244 | 10- 20 | 364.1 | 490.6 | 9.38,9.38 |
| 30 | 1178 | 1141 | 1108 | 1175 | 1214 | 1170 | 1107 | 1144 | 20- 30 | 557.4 | 1048 | 20,20 |
| 40 | 1071 | 1010 | 948.5 | 1050 | 1111 | 1043 | 948.9 | 1015 | 30- 40 | 684.6 | 1733 | 33.1,33.1 |
| 50 | 942.1 | 857.4 | 761.4 | 900.4 | 984.6 | 892.3 | 763.4 | 864.6 | 40- 50 | 734.2 | 2467 | 47.2,47.2 |
| 60 | 797.0 | 689.2 | 552.6 | 733.5 | 838.1 | 724.2 | 556.0 | 699.4 | 50- 60 | 704.8 | 3172 | 60.6,60.6 |
| 70 | 640.0 | 513.5 | 330.8 | 556.3 | 676.3 | 544.2 | 337.3 | 524.2 | 60- 70 | 604.0 | 3776 | 72.2,72.2 |
| 80 | 481.0 | 345.1 | 118.5 | 382.6 | 507.8 | 371.1 | 127.1 | 358.3 | 70- 80 | 452.5 | 4228 | 80.8,80.8 |
| 90 | 362.8 | 230.8 | 5.231 | 255.3 | 378.0 | 242.4 | 6.077 | 243.0 | 80- 90 | 298.3 | 4526 | 86.5,86.5 |
| 100 | 300.2 | 181.7 | 6.728 | 199.4 | 309.2 | 187.3 | 6.882 | 192.0 | 90-100 | 213.8 | 4740 | 90.6,90.6 |
| 110 | 243.3 | 140.0 | 9.155 | 152.0 | 248.5 | 138.6 | 9.402 | 143.7 | 100-110 | 164.5 | 4905 | 93.8,93.8 |
| 120 | 184.1 | 107.9 | 11.65 | 115.5 | 187.3 | 107.6 | 11.76 | 113.4 | 110-120 | 119.1 | 5024 | 96,96 |
| 130 | 145.4 | 84.94 | 14.03 | 90.27 | 145.2 | 84.77 | 14.14 | 89.83 | 120-130 | 84.80 | 5109 | 97.7,97.7 |
| 140 | 108.4 | 61.32 | 16.26 | 69.54 | 107.1 | 65.47 | 16.45 | 62.20 | 130-140 | 57.19 | 5166 | 98.8,98.8 |
| 150 | 76.70 | 43.95 | 18.31 | 51.52 | 75.41 | 49.15 | 18.79 | 42.99 | 140-150 | 34.98 | 5201 | 99.4,99.4 |
| 160 | 51.35 | 32.89 | 20.23 | 36.45 | 49.21 | 34.05 | 20.71 | 32.51 | 150-160 | 19.06 | 5220 | 99.8,99.8 |
| 170 | 30.77 | 26.21 | 21.64 | 25.75 | 28.91 | 25.37 | 21.99 | 26.05 | 160-170 | 8.500 | 5228 | 100,100 |
| 180 | 22.20 | 22.31 | 22.35 | 22.15 | 22.18 | 22.26 | 22.31 | 22.22 | 170-180 | 2.279 | 5231 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 2098.5 lm

%lum = 40.1%

%lamp = 40.1%

Conical surface Flux(120deg): 3171.6 lm

%lum = 60.6%

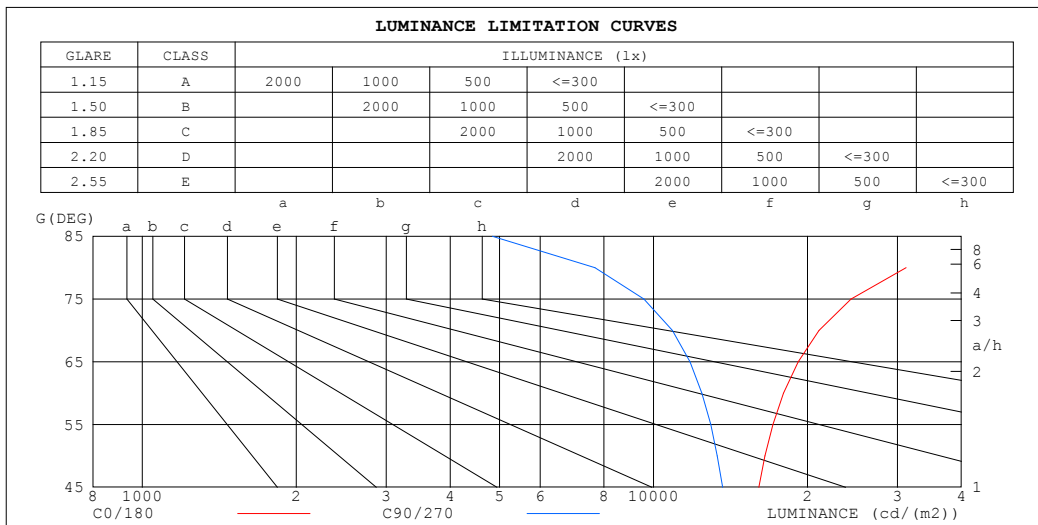
%lamp = 60.6%

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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |



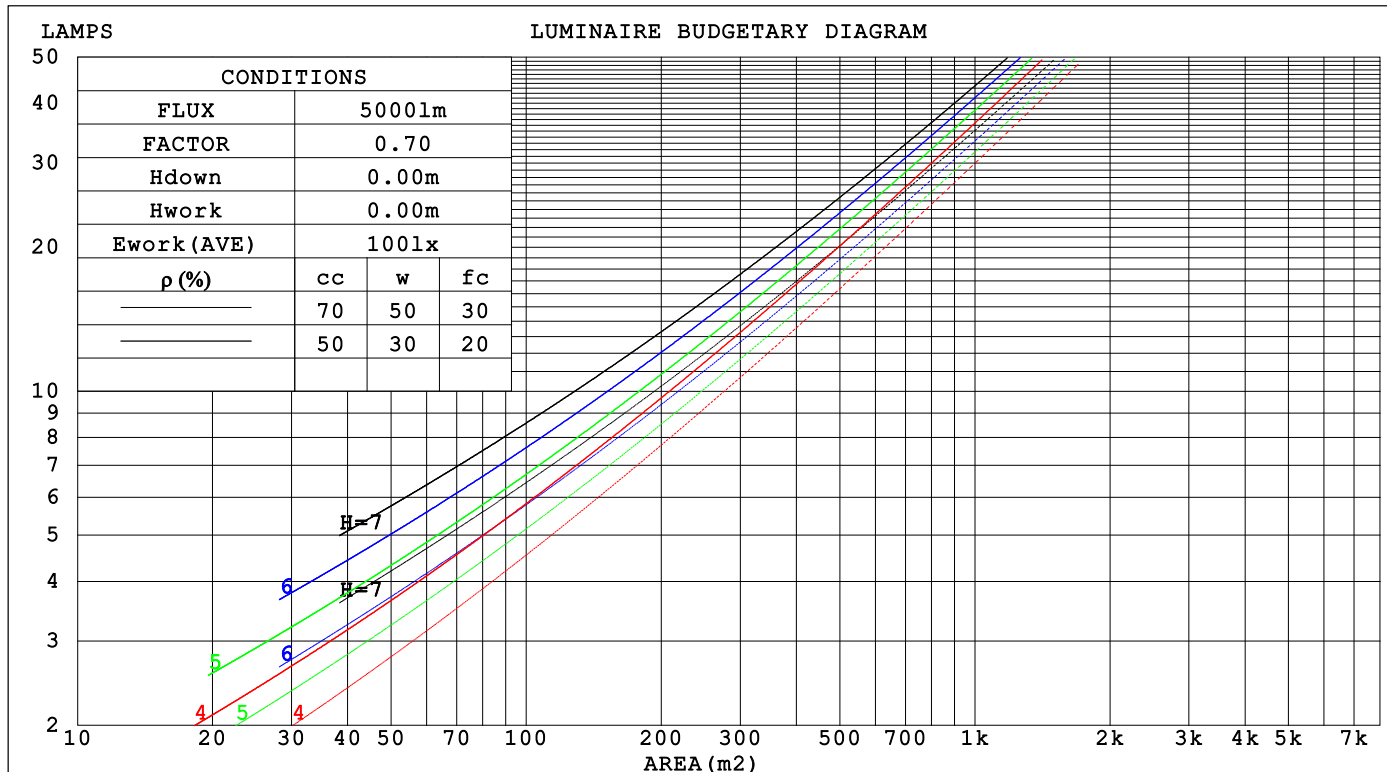
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | 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 | .68 | .75 | .70 | .65 | .70 | .65 | .61 | .65 | .61 | .58 | .55 |
| 3.0 | .73 | .65 | .58 | .71 | .63 | .56 | .66 | .59 | .53 | .61 | .56 | .51 | .57 | .52 | .48 | .45 |
| 4.0 | .65 | .55 | .48 | .62 | .54 | .47 | .58 | .51 | .45 | .54 | .48 | .43 | .50 | .45 | .41 | .38 |
| 5.0 | .57 | .48 | .41 | .55 | .47 | .40 | .52 | .44 | .39 | .48 | .42 | .37 | .45 | .40 | .35 | .33 |
| 6.0 | .51 | .42 | .36 | .50 | .41 | .35 | .47 | .39 | .34 | .44 | .37 | .32 | .41 | .35 | .31 | .28 |
| 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 | .31 | .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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | 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 | .200 | .063 | .329 | .189 | .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 | .288 | .153 | .046 | .278 | .149 | .045 | .261 | .142 | .043 | .245 | .134 | .041 | .231 | .128 | .040 | | |
| 4.0 | .261 | .135 | .040 | .253 | .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 | .191 | .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 | .293 | .293 | .293 | .250 | .250 | .250 | .171 | .171 | .171 | .098 | .098 | .098 | .031 | .031 | .031 | | |
| 1.0 | .287 | .259 | .234 | .246 | .222 | .201 | .168 | .153 | .139 | .097 | .089 | .081 | .031 | .028 | .026 | | |
| 2.0 | .280 | .236 | .199 | .240 | .203 | .172 | .164 | .140 | .120 | .095 | .082 | .070 | .030 | .026 | .023 | | |
| 3.0 | .273 | .219 | .176 | .234 | .189 | .153 | .160 | .131 | .107 | .093 | .077 | .063 | .030 | .025 | .021 | | |
| 4.0 | .265 | .206 | .162 | .227 | .178 | .141 | .156 | .124 | .099 | .090 | .073 | .059 | .029 | .024 | .019 | | |
| 5.0 | .257 | .196 | .152 | .221 | .170 | .132 | .152 | .119 | .093 | .088 | .070 | .055 | .028 | .023 | .018 | | |
| 6.0 | .250 | .188 | .144 | .215 | .163 | .126 | .148 | .114 | .089 | .086 | .067 | .053 | .028 | .022 | .017 | | |
| 7.0 | .243 | .182 | .139 | .209 | .157 | .121 | .144 | .110 | .086 | .084 | .065 | .051 | .027 | .021 | .017 | | |
| 8.0 | .236 | .176 | .135 | .203 | .153 | .117 | .141 | .107 | .083 | .082 | .063 | .050 | .026 | .021 | .016 | | |
| 9.0 | .230 | .171 | .131 | .198 | .149 | .115 | .137 | .104 | .081 | .080 | .062 | .049 | .026 | .020 | .016 | | |
| 10.0 | .224 | .167 | .129 | .193 | .145 | .113 | .134 | .102 | .080 | .078 | .060 | .048 | .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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | | | | | | | | | | |
| NAME: B15-W3457KA (43W 5700K) | | | | | | 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 | 22.1 | 23.5 | 22.6 | 24.0 | 24.4 | 20.6 | 22.0 | 21.1 | 22.5 | 22.9 |
| | 3H | 24.4 | 25.7 | 24.9 | 26.2 | 26.7 | 22.0 | 23.3 | 22.5 | 23.8 | 24.3 |
| | 4H | 25.6 | 26.9 | 26.2 | 27.4 | 27.9 | 22.6 | 23.8 | 23.1 | 24.3 | 24.8 |
| | 6H | 26.9 | 28.1 | 27.4 | 28.6 | 29.1 | 22.9 | 24.0 | 23.4 | 24.5 | 25.1 |
| | 8H | 27.6 | 28.7 | 28.1 | 29.2 | 29.8 | 22.9 | 24.0 | 23.4 | 24.5 | 25.1 |
| | 12H | 28.4 | 29.5 | 28.9 | 30.0 | 30.6 | 22.9 | 24.0 | 23.4 | 24.5 | 25.1 |
| 4H | 2H | 22.7 | 23.9 | 23.2 | 24.4 | 24.9 | 21.6 | 22.8 | 22.1 | 23.3 | 23.8 |
| | 3H | 25.2 | 26.3 | 25.8 | 26.8 | 27.4 | 23.2 | 24.3 | 23.7 | 24.8 | 25.4 |
| | 4H | 26.6 | 27.6 | 27.2 | 28.1 | 28.7 | 23.9 | 24.8 | 24.4 | 25.4 | 26.0 |
| | 6H | 28.1 | 29.0 | 28.7 | 29.5 | 30.2 | 24.3 | 25.2 | 24.9 | 25.8 | 26.4 |
| | 8H | 28.9 | 29.7 | 29.5 | 30.3 | 31.0 | 24.4 | 25.2 | 25.0 | 25.8 | 26.5 |
| | 12H | 29.8 | 30.6 | 30.4 | 31.2 | 31.9 | 24.4 | 25.2 | 25.1 | 25.8 | 26.5 |
| 8H | 4H | 26.9 | 27.7 | 27.5 | 28.3 | 29.0 | 24.6 | 25.4 | 25.2 | 26.0 | 26.7 |
| | 6H | 28.6 | 29.3 | 29.3 | 29.9 | 30.6 | 25.3 | 26.0 | 26.0 | 26.6 | 27.4 |
| | 8H | 29.6 | 30.2 | 30.3 | 30.9 | 31.6 | 25.6 | 26.2 | 26.2 | 26.8 | 27.6 |
| | 12H | 30.8 | 31.4 | 31.5 | 32.0 | 32.8 | 25.8 | 26.3 | 26.4 | 27.0 | 27.7 |
| 12H | 4H | 26.9 | 27.6 | 27.5 | 28.2 | 28.9 | 24.8 | 25.6 | 25.4 | 26.2 | 26.9 |
| | 6H | 28.7 | 29.3 | 29.4 | 30.0 | 30.7 | 25.7 | 26.3 | 26.4 | 27.0 | 27.7 |
| | 8H | 29.8 | 30.3 | 30.5 | 31.0 | 31.8 | 26.1 | 26.6 | 26.8 | 27.3 | 28.1 |
| 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, 5231 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.7$)
Area: 0.08886 m²

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:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------|------------------|
| Test:U:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

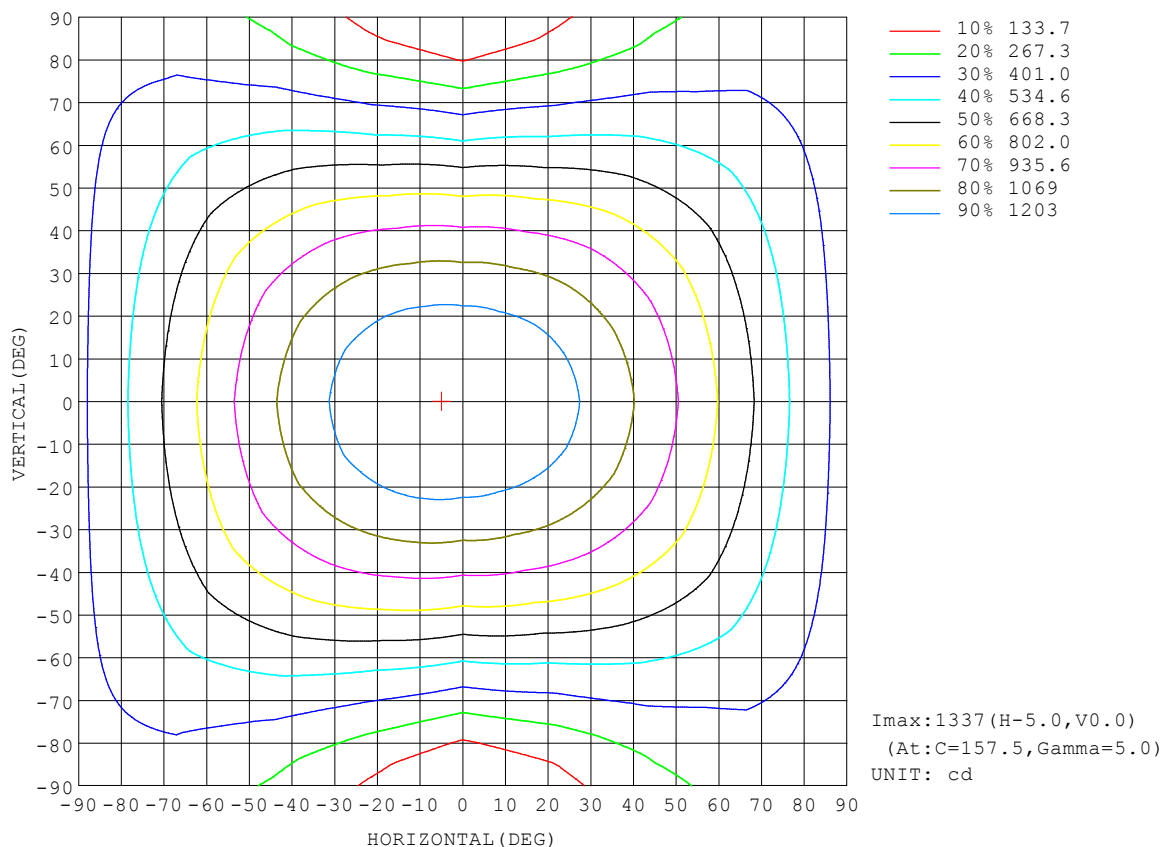
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 39 | 58 | 47 | 39 | 56 | 45 | 38 | 31 |
| 1.00 | 68 | 55 | 47 | 66 | 54 | 47 | 63 | 55 | 46 | 37 |
| 1.25 | 75 | 63 | 55 | 73 | 62 | 54 | 69 | 59 | 52 | 43 |
| 1.50 | 80 | 68 | 60 | 77 | 67 | 59 | 73 | 64 | 57 | 48 |
| 2.00 | 87 | 77 | 69 | 84 | 75 | 68 | 79 | 71 | 65 | 54 |
| 2.50 | 91 | 82 | 74 | 88 | 80 | 73 | 83 | 76 | 70 | 58 |
| 3.00 | 95 | 86 | 79 | 92 | 84 | 78 | 86 | 79 | 74 | 62 |
| 4.00 | 99 | 92 | 86 | 96 | 89 | 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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.7lx1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

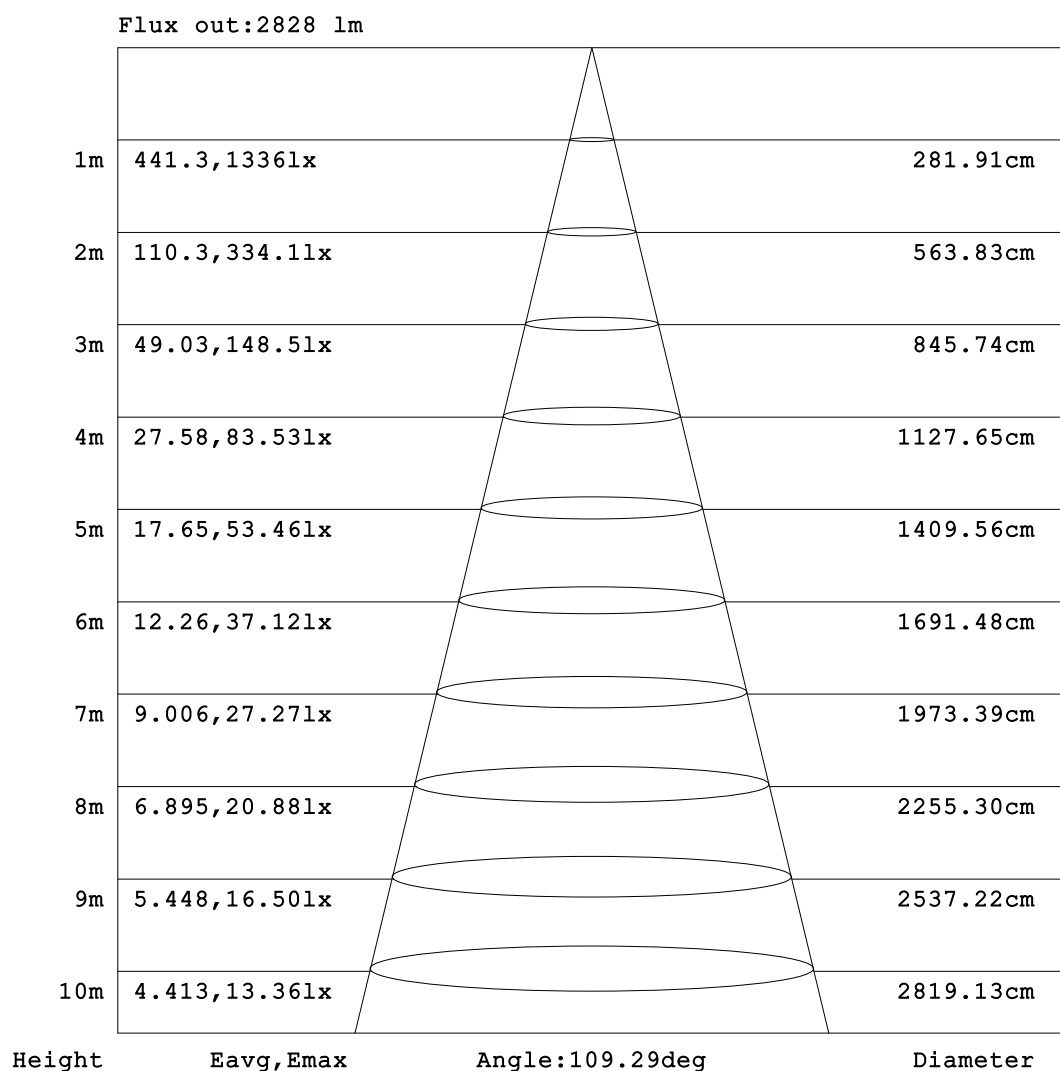


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71lx1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |



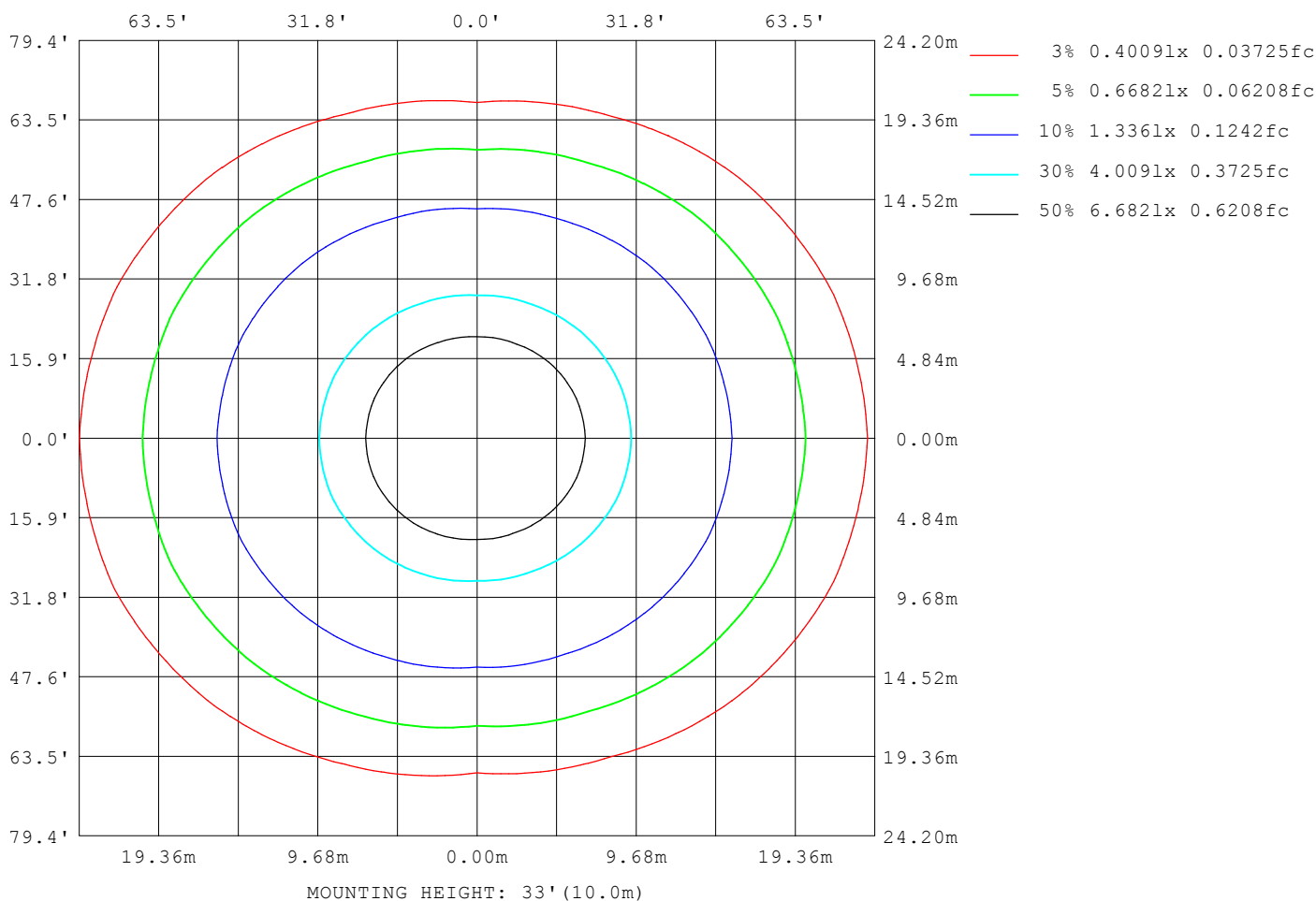
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°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:

ISOLUX DIAGRAM

| | | |
|---|---------------|------------------|
| Test:U:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.7lx1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | 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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: 0.08886 | SERIAL No.: 1 |
| MFR.: | SUR.: | Shielding Angle: |

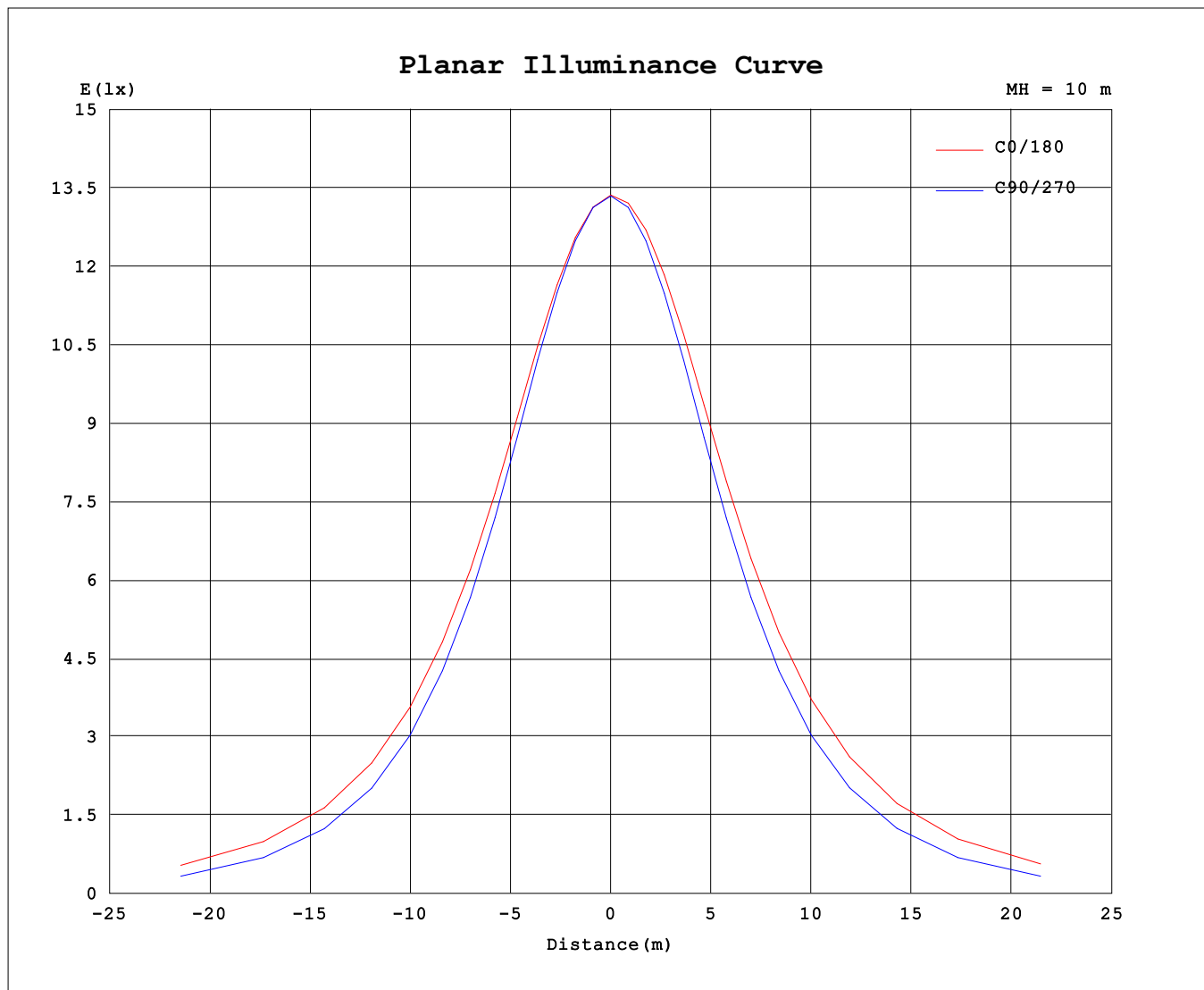
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 19683 |
| L_0~180 (75) av | 25050 |
| L_0~180 (85) av | 54523 |
| L_90~270 (65) av | 11840 |
| L_90~270 (75) av | 9758 |
| L_90~270 (85) av | 5295 |
| L_45 (65) av | 16624 |
| L_45 (75) av | 19445 |
| L_45 (85) av | 37780 |

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:230.41V I:0.1734A P:38.755W PF:0.9702 Freq:50.00Hz Lamp Flux:5230.71x1 lm | | |
| NAME: B15-W3457KA (43W 5700K) | 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 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | 1335 | | | |
| 5 | 1327 | 1328 | 1327 | 1328 | 1329 | 1331 | 1333 | 1336 | 1335 | 1335 | 1333 | 1330 | 1328 | 1327 | 1326 | 1328 | | | |
| 10 | 1313 | 1313 | 1309 | 1307 | 1309 | 1315 | 1322 | 1328 | 1328 | 1326 | 1321 | 1313 | 1308 | 1306 | 1309 | 1312 | | | |
| 15 | 1291 | 1289 | 1281 | 1275 | 1276 | 1287 | 1300 | 1311 | 1312 | 1308 | 1298 | 1284 | 1275 | 1274 | 1281 | 1288 | | | |
| 20 | 1261 | 1257 | 1244 | 1232 | 1231 | 1248 | 1267 | 1286 | 1288 | 1281 | 1265 | 1243 | 1230 | 1231 | 1244 | 1256 | | | |
| 25 | 1223 | 1217 | 1197 | 1179 | 1175 | 1197 | 1226 | 1250 | 1255 | 1245 | 1222 | 1191 | 1173 | 1178 | 1198 | 1215 | | | |
| 30 | 1178 | 1169 | 1141 | 1115 | 1108 | 1137 | 1175 | 1207 | 1214 | 1201 | 1170 | 1130 | 1107 | 1116 | 1144 | 1167 | | | |
| 35 | 1127 | 1115 | 1079 | 1044 | 1032 | 1069 | 1116 | 1157 | 1166 | 1150 | 1110 | 1060 | 1032 | 1045 | 1082 | 1113 | | | |
| 40 | 1071 | 1054 | 1010 | 965 | 948 | 992 | 1050 | 1100 | 1111 | 1091 | 1043 | 983 | 949 | 968 | 1015 | 1053 | | | |
| 45 | 1008 | 989 | 936 | 881 | 858 | 909 | 978 | 1037 | 1051 | 1027 | 971 | 899 | 859 | 884 | 942 | 988 | | | |
| 50 | 942 | 919 | 857 | 791 | 761 | 821 | 900 | 968 | 985 | 958 | 892 | 809 | 763 | 796 | 865 | 918 | | | |
| 55 | 871 | 845 | 775 | 696 | 659 | 728 | 819 | 894 | 913 | 883 | 810 | 715 | 663 | 704 | 783 | 845 | | | |
| 60 | 797 | 768 | 689 | 599 | 553 | 632 | 733 | 817 | 838 | 805 | 724 | 618 | 556 | 609 | 699 | 768 | | | |
| 65 | 720 | 688 | 602 | 496 | 442 | 530 | 646 | 735 | 759 | 723 | 636 | 519 | 447 | 512 | 614 | 688 | | | |
| 70 | 640 | 607 | 514 | 397 | 331 | 432 | 556 | 651 | 676 | 639 | 544 | 419 | 337 | 415 | 524 | 607 | | | |
| 75 | 559 | 521 | 427 | 301 | 220 | 335 | 467 | 565 | 593 | 554 | 456 | 321 | 229 | 320 | 439 | 525 | | | |
| 80 | 481 | 443 | 345 | 212 | 118 | 245 | 383 | 481 | 508 | 471 | 371 | 230 | 127 | 232 | 358 | 446 | | | |
| 85 | 411 | 374 | 278 | 140 | 37.5 | 169 | 307 | 406 | 433 | 396 | 296 | 152 | 44.5 | 160 | 289 | 377 | | | |
| 90 | 363 | 327 | 231 | 98.5 | 5.23 | 122 | 255 | 350 | 378 | 341 | 242 | 104 | 6.08 | 117 | 243 | 331 | | | |
| 95 | 331 | 296 | 205 | 80.2 | 5.66 | 99.8 | 225 | 315 | 342 | 307 | 213 | 82.9 | 5.72 | 96.5 | 216 | 300 | | | |
| 100 | 300 | 268 | 182 | 67.5 | 6.73 | 83.8 | 199 | 284 | 309 | 275 | 187 | 68.6 | 6.88 | 81.7 | 192 | 271 | | | |
| 105 | 271 | 241 | 161 | 58.7 | 7.90 | 71.8 | 176 | 255 | 278 | 247 | 165 | 58.6 | 8.01 | 70.7 | 171 | 244 | | | |
| 110 | 243 | 216 | 140 | 52.5 | 9.15 | 63.0 | 152 | 227 | 249 | 220 | 139 | 51.8 | 9.40 | 62.5 | 144 | 218 | | | |
| 115 | 217 | 185 | 119 | 47.8 | 10.4 | 56.2 | 128 | 189 | 215 | 185 | 118 | 46.0 | 10.5 | 55.3 | 124 | 187 | | | |
| 120 | 184 | 163 | 108 | 43.0 | 11.7 | 49.1 | 115 | 169 | 187 | 164 | 108 | 41.3 | 11.8 | 48.8 | 113 | 165 | | | |
| 125 | 164 | 146 | 96.4 | 39.9 | 12.8 | 44.9 | 102 | 151 | 167 | 145 | 95.6 | 38.7 | 13.0 | 44.2 | 101 | 147 | | | |
| 130 | 145 | 128 | 84.9 | 36.3 | 14.0 | 41.2 | 90.3 | 131 | 145 | 127 | 84.8 | 36.3 | 14.1 | 39.4 | 89.8 | 128 | | | |
| 135 | 126 | 112 | 74.1 | 33.3 | 15.2 | 38.3 | 79.5 | 114 | 125 | 110 | 75.1 | 34.2 | 15.3 | 35.2 | 77.8 | 112 | | | |
| 140 | 108 | 96.4 | 61.3 | 30.6 | 16.3 | 35.6 | 69.5 | 97.9 | 107 | 94.7 | 65.5 | 32.2 | 16.5 | 31.6 | 62.2 | 96.8 | | | |
| 145 | 91.9 | 82.2 | 51.6 | 28.1 | 17.3 | 33.0 | 60.0 | 83.3 | 90.6 | 80.6 | 56.8 | 28.6 | 17.6 | 28.6 | 50.4 | 82.4 | | | |
| 150 | 76.7 | 68.0 | 43.9 | 25.9 | 18.3 | 28.8 | 51.5 | 69.8 | 75.4 | 67.5 | 49.1 | 27.3 | 18.8 | 25.8 | 43.0 | 69.4 | | | |
| 155 | 63.3 | 55.2 | 37.4 | 25.5 | 19.3 | 27.1 | 44.0 | 57.6 | 61.4 | 55.7 | 42.2 | 25.9 | 19.8 | 25.8 | 36.5 | 55.4 | | | |
| 160 | 51.3 | 42.2 | 32.9 | 24.8 | 20.2 | 25.3 | 36.5 | 47.0 | 49.2 | 45.3 | 34.1 | 24.5 | 20.7 | 25.4 | 32.5 | 40.6 | | | |
| 165 | 40.8 | 33.0 | 29.0 | 24.0 | 21.0 | 23.8 | 30.1 | 35.0 | 38.3 | 34.2 | 29.4 | 23.4 | 21.5 | 24.5 | 28.7 | 30.7 | | | |
| 170 | 30.8 | 27.5 | 26.2 | 23.0 | 21.6 | 22.7 | 25.7 | 28.4 | 28.9 | 27.8 | 25.4 | 22.7 | 22.0 | 23.4 | 26.0 | 26.4 | | | |
| 175 | 24.7 | 24.1 | 23.4 | 22.3 | 22.1 | 22.1 | 23.0 | 23.5 | 23.6 | 23.4 | 22.8 | 22.2 | 22.3 | 22.5 | 23.3 | 23.4 | | | |
| 180 | 22.2 | 22.3 | 22.3 | 22.3 | 22.4 | 22.3 | 22.1 | 22.2 | 22.2 | 22.2 | 22.3 | 22.2 | 22.3 | 22.3 | 22.2 | 22.2 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
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