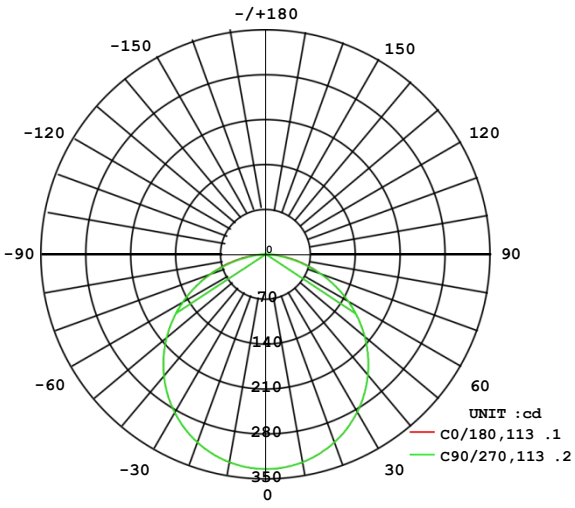
# LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test :U :120 .00V I :0 .076A P:9 .12W PF :0 .9866 Freq:60 .00Hz<br>Lamp Flux:776 .39x1 lm | | |
| NAME : ASD-JBR-CORE-4D9WH-12P | TYPE : | WEIGHT : |
| SPEC .: 2762K | DIM. : | SERIAL No . : |
| MFR. : ASD Lighting Corp | SUR. : | Shielding Angle: |

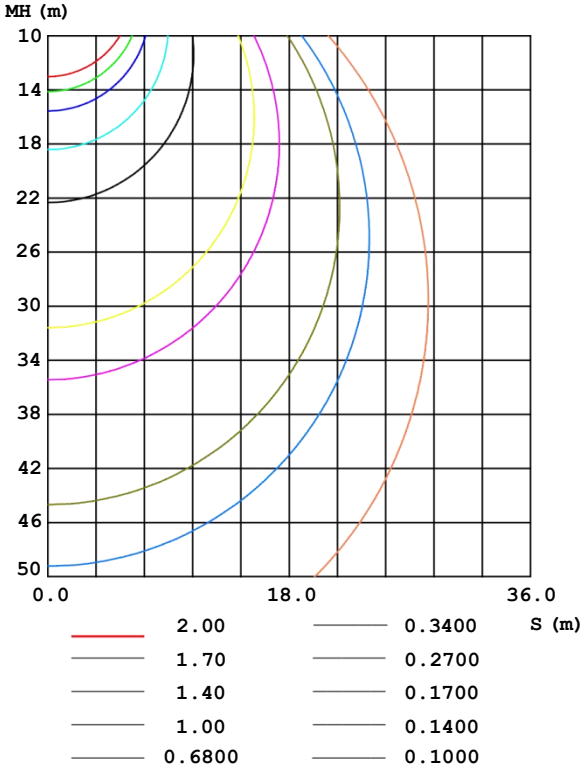
| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 85 .13 lm/W | | | |
|---|---|---|---|---|---|
| MODEL | ASD-JBR-CORE-4D9WH-12P | Imax (cd) | 339.1 | S/MH (C0/180) | 1.16 |
| NOMINAL POWER (W) | 9 | LOR (%) | 100.0 | S/MH (C90/270) | 1.16 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 776.39 | η UP,DN (C0-180) | 0 .2 ,49 .7 |
| NOMINAL FLUX (lm) | 776.39 | CIE CLASS | DIRECT | η UP,DN (C180-360) | 0 .3 ,49 .8 |
| LAMPS INSIDE | 1 | η up (%) | 0.5 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 120 | η down (%) | 99.5 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE (50%) :113 .2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

V Range: 0 - 180DEG
V Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

# ZONAL FLUX DIAGRAM

**ZONAL FLUX DIAGRAM:**

| Y | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | Y | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 330.0 | 330.1 | 330.1 | 330.0 | 330.3 | 329.9 | 330.0 | 330.4 | 0- 10 | 31.79 | 31.79 | 3.29,3.29 |
| 20 | 312.8 | 312.9 | 312.8 | 312.8 | 313.1 | 312.6 | 313.1 | 313.7 | 10- 20 | 91.14 | 122.9 | 12.7,12.7 |
| 30 | 284.9 | 284.9 | 285.0 | 285.1 | 285.3 | 284.7 | 285.5 | 286.4 | 20- 30 | 138.4 | 261.3 | 27.1,27.1 |
| 40 | 247.2 | 247.2 | 247.3 | 247.5 | 248.1 | 247.0 | 248.0 | 249.0 | 30- 40 | 167.3 | 428.7 | 44.4,44.4 |
| 50 | 201.2 | 201.1 | 201.5 | 201.5 | 202.4 | 201.2 | 202.5 | 203.6 | 40- 50 | 174.0 | 650.23 | 62.5,62.5 |
| 60 | 148.4 | 148.2 | 148.9 | 148.9 | 150.0 | 148.7 | 150.2 | 151.4 | 50- 60 | 157.5 | 700.22 | 78.8,78.8 |
| 70 | 91.94 | 91.81 | 90.91 | 93.07 | 93.91 | 91.91 | 91.68 | 95.48 | 60- 70 | 119.9 | 702.23 | 91.2,91.2 |
| 80 | 37.61 | 34.44 | 30.01 | 35.58 | 38.52 | 33.32 | 30.12 | 36.86 | 70- 80 | 66.90 | 714.15 | 98.1,98.1 |
| 90 | 0.1976 | 0.2016 | 0.1474 | 0.2117 | 0.3205 | 0.3506 | 0.2777 | 0.3487 | 80- 90 | 13.08 | 715.53 | 99.5,99.5 |
| 100 | 0.2716 | 0.2650 | 0.2458 | 0.2656 | 0.4650 | 0.4677 | 0.4378 | 0.4588 | 90-100 | 0.3206 | 719.25 | 99.5,99.5 |
| 110 | 0.4452 | 0.4165 | 0.4098 | 0.4307 | 0.6843 | 0.6631 | 0.6436 | 0.6488 | 100-110 | 0.4719 | 720.32 | 99.6,99.6 |
| 120 | 0.6175 | 0.5785 | 0.6011 | 0.6091 | 0.8987 | 0.8717 | 0.8641 | 0.8407 | 110-120 | 0.6276 | 735.36 | 99.6,99.6 |
| 130 | 0.8029 | 0.7555 | 0.8077 | 0.8007 | 1.119 | 1.071 | 1.078 | 1.019 | 120-130 | 0.7395 | 745.36 | 99.7,99.7 |
| 140 | 0.9963 | 0.9527 | 1.029 | 1.002 | 1.306 | 1.240 | 1.264 | 1.177 | 130-140 | 0.7890 | 753.35 | 99.8,99.8 |
| 150 | 1.169 | 1.131 | 1.212 | 1.177 | 1.412 | 1.366 | 1.387 | 1.303 | 140-150 | 0.7469 | 754.32 | 99.9,99.9 |
| 160 | 1.307 | 1.281 | 1.351 | 1.311 | 1.461 | 1.453 | 1.478 | 1.395 | 150-160 | 0.6123 | 760.54 | 99.9,99.9 |
| 170 | 1.429 | 1.400 | 1.461 | 1.434 | 1.504 | 1.493 | 1.522 | 1.461 | 160-170 | 0.4027 | 775.39 | 100,100 |
| 180 | 1.493 | 1.474 | 1.512 | 1.459 | 1.498 | 1.477 | 1.515 | 1.463 | 170-180 | 0.1403 | 776.39 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

**Conical surface Flux (90deg) : 415 .37 lm**

**%lum = 53.5%**
**%lamp = 53 .5%**

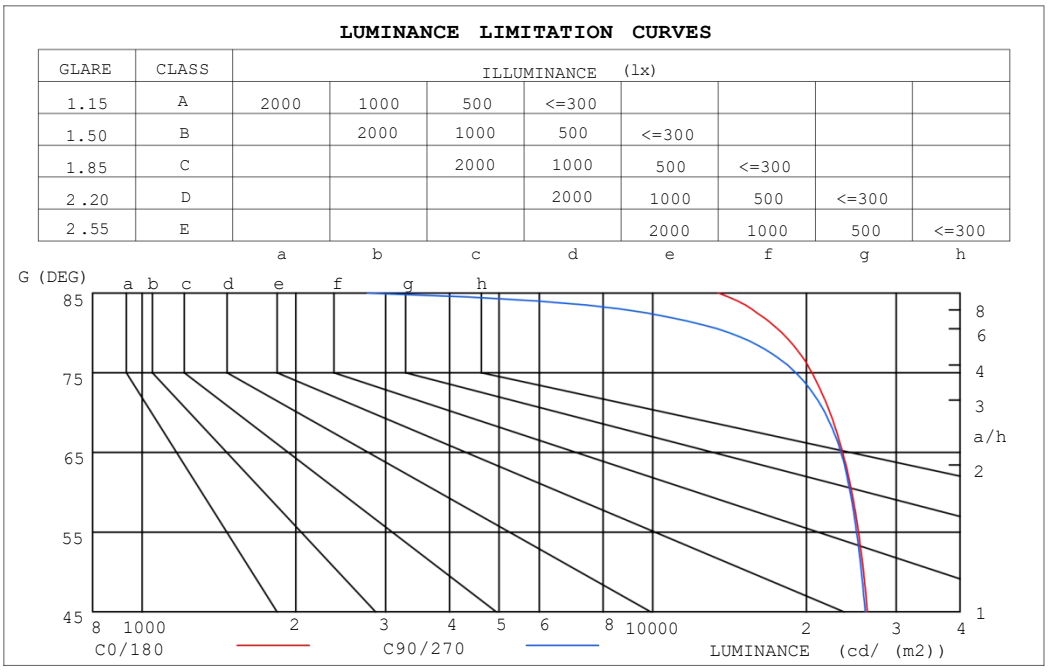
**Conical surface Flux (130deg) : 664 .59 lm**

**%lum = 85.6%**
**%lamp = 85 .6%**

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

# LUMINANCE LIMITATION CURVES



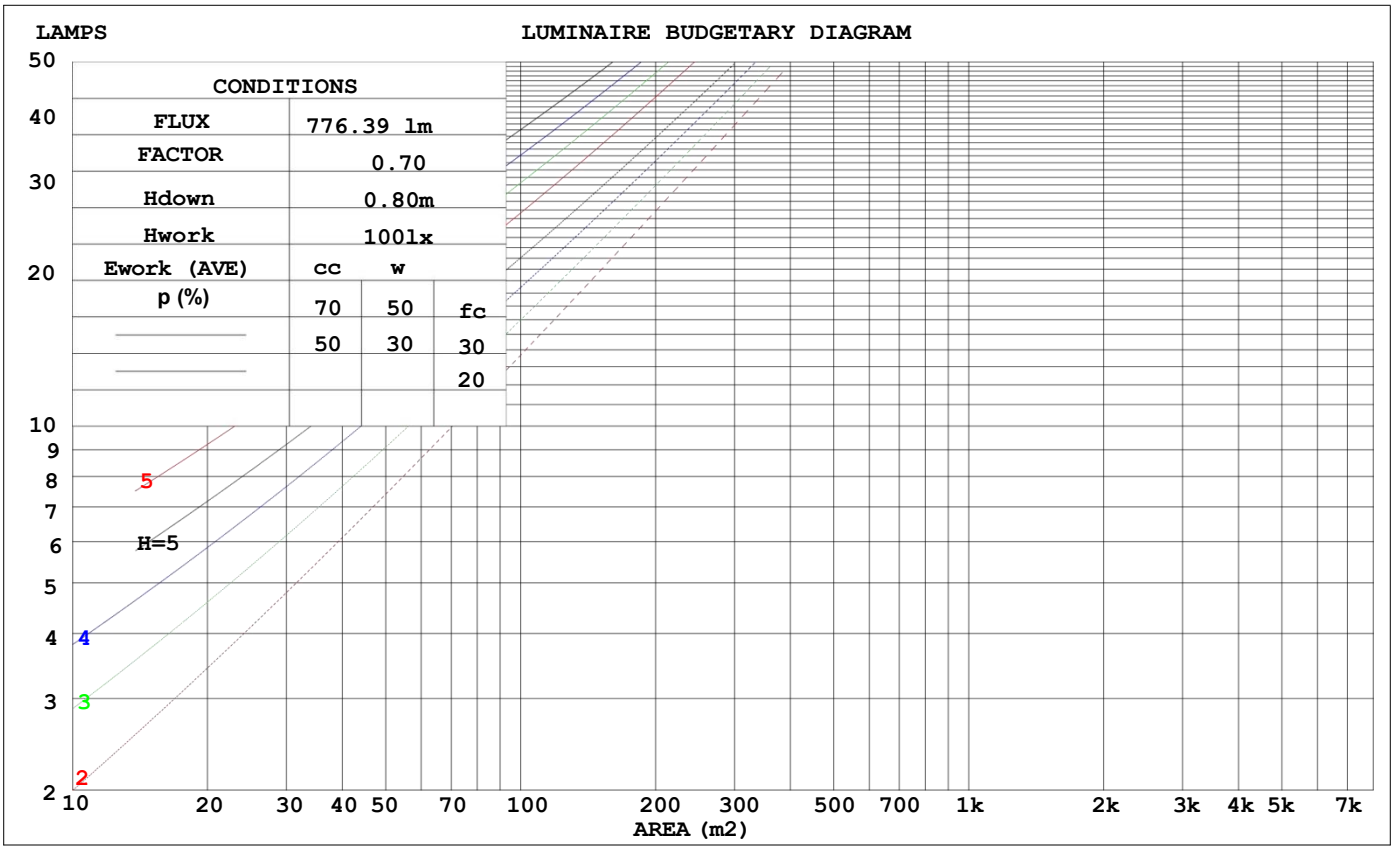

| LUMINANCE cd/ (m2) | | |
|---|---|---|
| G (DEG) | C0/180 | C90/270 |
| 85 | 13471 | 2764 |
| 80 | 17927 | 14142 |
| 75 | 20533 | 19075 |
| 70 | 22249 | 21752 |
| 65 | 23562 | 23388 |
| 60 | 24568 | 24379 |
| 55 | 25324 | 25089 |
| 50 | 25904 | 25651 |
| 45 | 26347 | 26082 |

**C Range: 0 - 360DEG**
**C Interval: 22.5DEG**
**Test Speed: 10.0deg/s**
**Temperature:24 .5℃**
**Operators:xiaoxin**
**Test Date:2026-10-15**

**Y Range: 0 - 180DEG**
**Y Interval: 0.5DEG**
**Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463**
**Humidity:60.0%**
**Test Distance:9.000m [K=1.0000]**
**Remarks:**

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| 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 | 1.19 | 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 | .99 |
| 1.0 | 1.04 | .00 | .96 | 1.02 | .98 | .94 | .97 | .94 | .91 | .93 | .91 | .88 | .90 | .88 | .86 | .84 |
| 2.0 | .91 | .84 | .78 | .89 | .82 | .77 | .85 | .80 | .75 | .82 | .77 | .73 | .79 | .75 | .72 | .69 |
| 3.0 | .79 | .71 | .65 | .78 | .70 | .64 | .75 | .68 | .63 | .72 | .66 | .62 | .69 | .65 | .61 | .58 |
| 4.0 | .70 | .62 | .55 | .69 | .61 | .54 | .66 | .59 | .54 | .64 | .58 | .53 | .62 | .56 | .52 | .50 |
| 5.0 | .63 | .54 | .47 | .62 | .53 | .47 | .59 | .52 | .46 | .57 | .51 | .46 | .55 | .50 | .45 | .43 |
| 6.0 | .56 | .47 | .41 | .55 | .47 | .41 | .54 | .46 | .40 | .52 | .45 | .40 | .50 | .44 | .40 | .38 |
| 7.0 | .51 | .42 | .36 | .50 | .42 | .36 | .49 | .41 | .36 | .47 | .40 | .35 | .46 | .40 | .35 | .33 |
| 8.0 | .47 | .38 | .32 | .46 | .38 | .32 | .45 | .37 | .32 | .43 | .37 | .32 | .42 | .36 | .31 | .30 |
| 9.0 | .43 | .35 | .29 | .42 | .34 | .29 | .41 | .34 | .29 | .40 | .33 | .29 | .39 | .33 | .28 | .27 |
| 10.0 | .39 | .32 | .26 | .39 | .31 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .26 | .24 |




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

## WEC AND CCEC

| 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 Coeffcients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .305 | .173 | .055 | .297 | .170 | .054 | .284 | .163 | .052 | .271 | .157 | .050 | .260 | .151 | .049 | |
| 2.0 | .289 | .158 | .049 | .283 | .156 | .048 | .271 | .151 | .047 | .260 | .146 | .046 | .250 | .141 | .045 | |
| 3.0 | .269 | .143 | .043 | .263 | .141 | .042 | .252 | .137 | .042 | .243 | .133 | .041 | .233 | .129 | .040 | |
| 4.0 | .248 | .129 | .038 | .243 | .127 | .038 | .234 | .124 | .037 | .225 | .121 | .036 | .217 | .118 | .036 | |
| 5.0 | .230 | .117 | .034 | .225 | .116 | .034 | .217 | .113 | .033 | .209 | .110 | .033 | .202 | .108 | .032 | |
| 6.0 | .213 | .107 | .031 | .209 | .106 | .030 | .202 | .103 | .030 | .195 | .101 | .030 | .188 | .099 | .029 | |
| 7.0 | .199 | .098 | .028 | .195 | .097 | .028 | .188 | .095 | .027 | .182 | .093 | .027 | .176 | .092 | .027 | |
| 8.0 | .185 | .091 | .025 | .182 | .090 | .025 | .176 | .088 | .025 | .171 | .087 | .025 | .165 | .085 | .025 | |
| 9.0 | .174 | .084 | .023 | .171 | .083 | .023 | .166 | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 | |
| 10.0 | .163 | .078 | .022 | .161 | .078 | .022 | .156 | .076 | .022 | .152 | .075 | .021 | .147 | .074 | .021 | |

| 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 | .194 | .194 | .194 | .166 | .166 | .166 | .113 | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .184 | .160 | .139 | .157 | .137 | .119 | .108 | .094 | .083 | .062 | .055 | .048 | .020 | .018 | .016 | |
| 2.0 | .176 | .136 | .102 | .151 | .117 | .088 | .103 | .081 | .062 | .059 | .047 | .036 | .019 | .015 | .012 | |
| 3.0 | .168 | .118 | .078 | .144 | .102 | .068 | .099 | .071 | .048 | .057 | .041 | .028 | .018 | .013 | .009 | |
| 4.0 | .161 | .105 | .062 | .138 | .091 | .054 | .095 | .063 | .038 | .055 | .037 | .023 | .018 | .012 | .007 | |
| 5.0 | .153 | .095 | .051 | .132 | .082 | .045 | .091 | .057 | .031 | .052 | .034 | .019 | .017 | .011 | .006 | |
| 6.0 | .146 | .086 | .043 | .126 | .075 | .038 | .087 | .052 | .027 | .050 | .031 | .016 | .016 | .010 | .005 | |
| 7.0 | .139 | .079 | .037 | .120 | .069 | .032 | .083 | .048 | .023 | .048 | .028 | .014 | .016 | .009 | .005 | |
| 8.0 | .133 | .073 | .033 | .114 | .064 | .029 | .079 | .045 | .020 | .046 | .026 | .012 | .015 | .009 | .004 | |
| 9.0 | .127 | .069 | .029 | .109 | .059 | .025 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .121 | .064 | .026 | .104 | .056 | .023 | .072 | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

## UGR (Unified Glare Rating) Table

| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
|---|---|---|---|---|---|---|---|---|---|---|
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 24.1 | 25.6 | 24.4 | 25.9 | 26.1 | 24.1 | 25.6 | 24.4 | 25.8 | 26.0 |
| 3H | 25.6 | 27.0 | 25.9 | 27.3 | 27.5 | 25.6 | 27.0 | 25.9 | 27.2 | 27.5 |
| 4H | 26.2 | 27.6 | 26.6 | 27.8 | 28.1 | 26.1 | 27.5 | 26.5 | 27.7 | 28.0 |
| 6H | 26.6 | 27.9 | 27.0 | 28.2 | 28.5 | 26.4 | 27.7 | 26.8 | 28.0 | 28.2 |
| 8H | 26.8 | 28.0 | 27.1 | 28.3 | 28.6 | 26.5 | 27.7 | 26.8 | 28.0 | 28.3 |
| 12H | 26.8 | 28.0 | 27.2 | 28.3 | 28.6 | 26.4 | 27.6 | 26.8 | 27.9 | 28.2 |
| 4H 2H | 24.7 | 26.1 | 25.0 | 26.3 | 26.6 | 24.7 | 26.0 | 25.0 | 26.3 | 26.6 |
| 3H | 26.4 | 27.6 | 26.8 | 27.9 | 28.2 | 26.4 | 27.5 | 26.7 | 27.8 | 28.2 |
| 4H | 27.1 | 28.2 | 27.5 | 28.5 | 28.9 | 27.0 | 28.1 | 27.4 | 28.4 | 28.8 |
| 6H | 27.7 | 28.6 | 28.1 | 29.0 | 29.3 | 27.4 | 28.4 | 27.8 | 28.7 | 29.1 |
| 8H | 27.8 | 28.7 | 28.2 | 29.1 | 29.5 | 27.5 | 28.4 | 27.9 | 28.7 | 29.1 |
| 12H | 27.9 | 28.7 | 28.4 | 29.1 | 29.5 | 27.5 | 28.3 | 27.9 | 28.7 | 29.1 |
| 8H 4H | 27.4 | 28.3 | 27.8 | 28.6 | 29.0 | 27.3 | 28.2 | 27.7 | 28.5 | 28.9 |
| 6H | 28.0 | 28.8 | 28.5 | 29.2 | 29.6 | 27.8 | 28.5 | 28.2 | 28.9 | 29.4 |
| 8H | 28.3 | 28.9 | 28.7 | 29.3 | 29.8 | 27.9 | 28.5 | 28.4 | 29.0 | 29.4 |
| 12H | 28.4 | 29.0 | 28.9 | 29.4 | 29.9 | 27.9 | 28.4 | 28.4 | 28.9 | 29.4 |
| 12H 4H | 27.4 | 28.2 | 27.8 | 28.6 | 29.0 | 27.3 | 28.1 | 27.7 | 28.5 | 28.9 |
| 6H | 28.1 | 28.7 | 28.5 | 29.1 | 29.6 | 27.8 | 28.5 | 28.3 | 28.9 | 29.4 |
| 8H | 28.3 | 28.9 | 28.8 | 29.3 | 29.8 | 28.0 | 28.5 | 28.4 | 29.0 | 29.4 |
| Variations with the observer position at spacings (CIE Pub.117) : | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 964.9 lm Total Lamp Luminous Flux Corrected (8log (F/F0) = -0.1)
Area: 0.0122 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

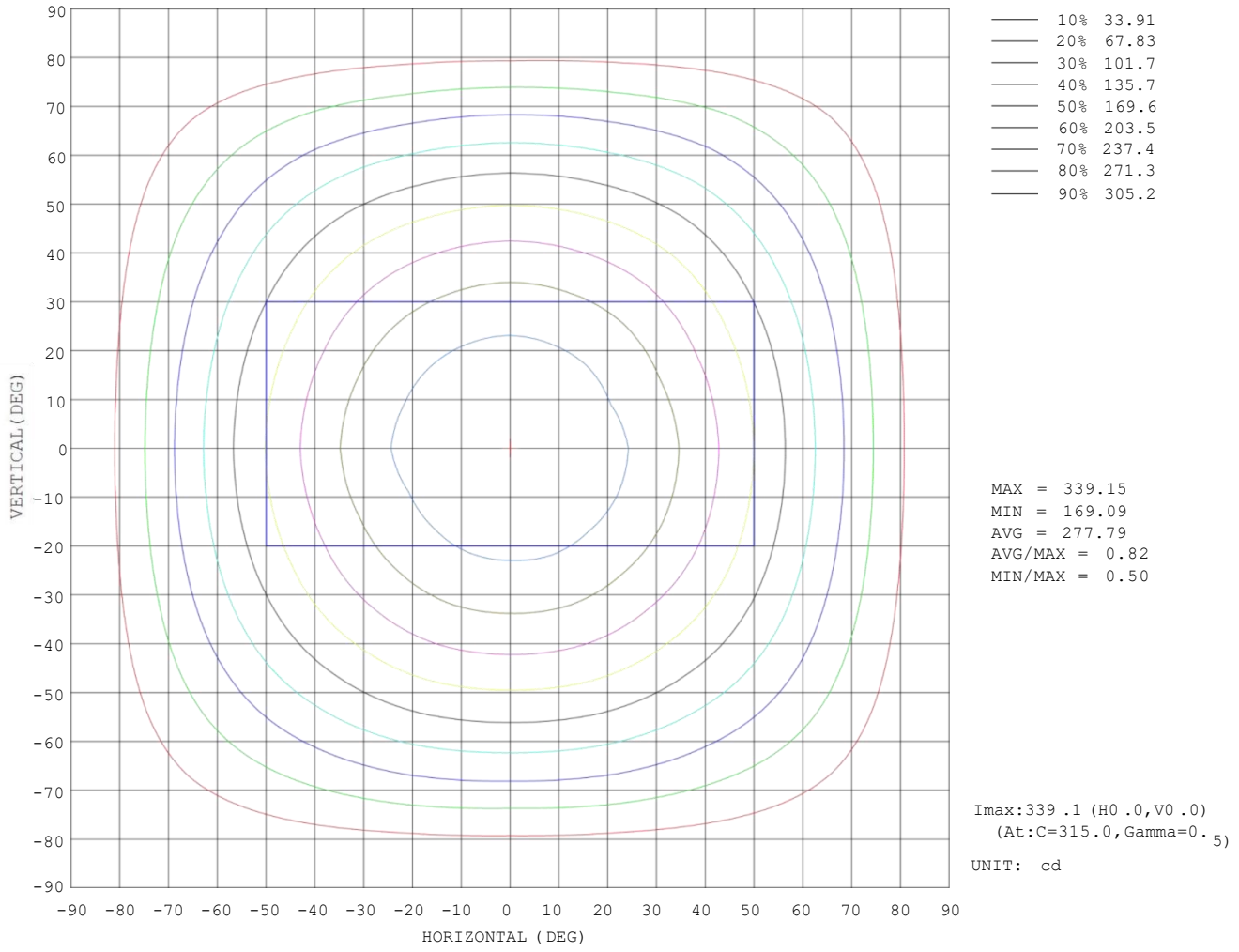
# UTILIZATION FACTORS TABLE

| 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 | 57 | 46 | 39 | 57 | 46 | 39 | 55 | 45 | 38 | 32 |
| 0.80 | 67 | 56 | 48 | 66 | 55 | 48 | 65 | 55 | 48 | 41 |
| 1.00 | 76 | 65 | 57 | 75 | 64 | 57 | 72 | 66 | 57 | 49 |
| 1.25 | 83 | 73 | 65 | 82 | 72 | 65 | 79 | 70 | 64 | 57 |
| 1.50 | 88 | 78 | 71 | 86 | 77 | 71 | 83 | 75 | 70 | 62 |
| 2.00 | 95 | 86 | 80 | 93 | 85 | 79 | 90 | 83 | 78 | 70 |
| 2.50 | 99 | 91 | 85 | 97 | 90 | 84 | 93 | 87 | 82 | 74 |
| 3.00 | 102 | 95 | 90 | 100 | 94 | 89 | 96 | 91 | 87 | 78 |
| 4.00 | 106 | 101 | 96 | 104 | 99 | 95 | 100 | 95 | 92 | 83 |
| 5.00 | 109 | 104 | 100 | 106 | 102 | 98 | 102 | 98 | 95 | 86 |
| 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: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

Y Range: 0 - 180DEG
Y Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

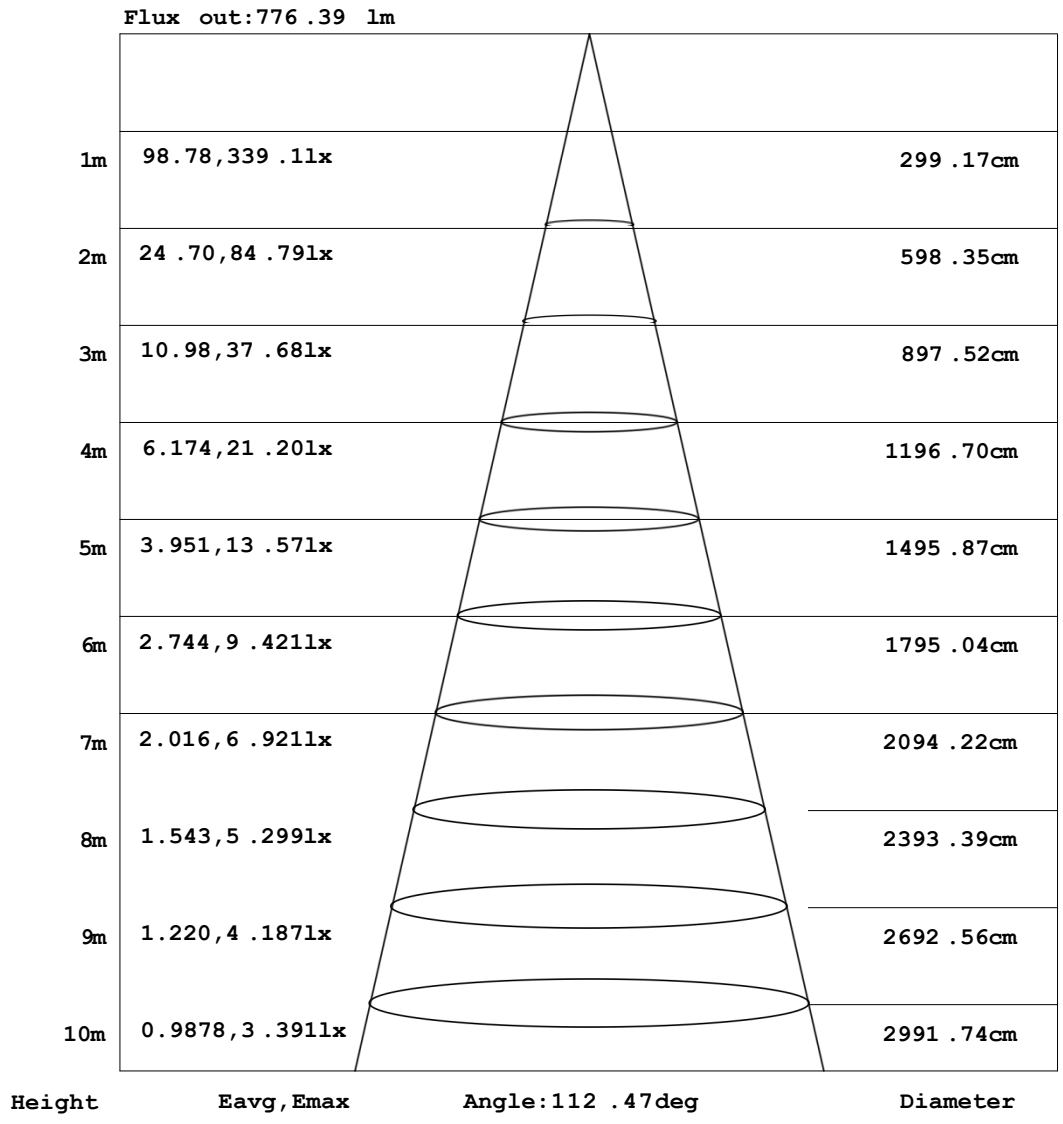
## ISOCANDELA DIAGRAM




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

## AAI Figure

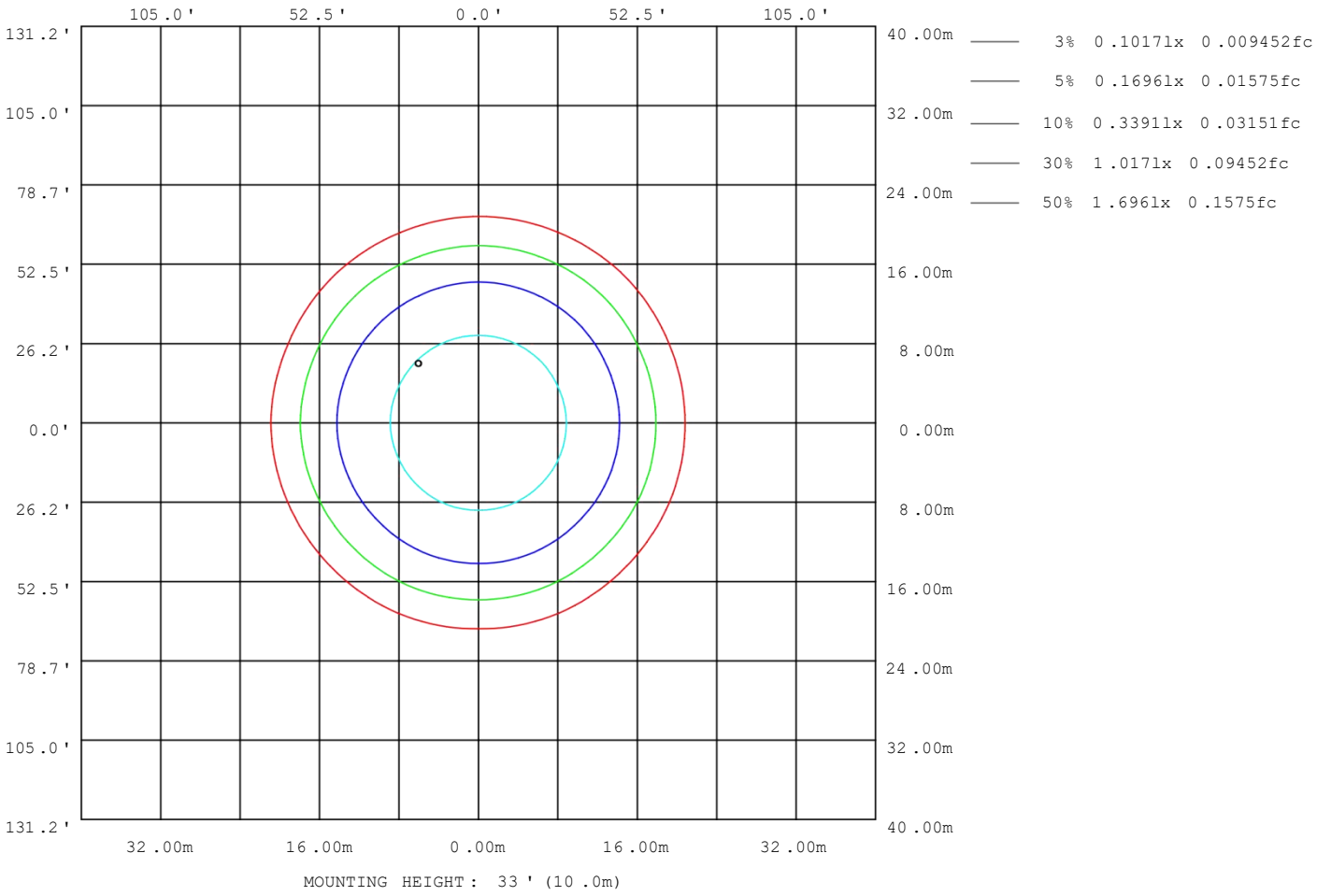



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

## ISOLUX DIAGRAM




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.5℃
Operators:xiaoxin
Test Date:2026-10-15

Y Range: 0 - 180DEG
Y Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

## LED Avg.L Report

| | | |
|---|---|---|
| Test :U :120 .00V I :0 .076A P:9 .12W PF :0 .986 Freq:60 .00Hz<br>Lamp Flux:776 .39x1 lm | | |
| NAME : ASD-JBR-CORE-4D9WH-12P | TYPE : | WEIGHT : |
| SPEC .: 2762K | DIM. : | SERIAL No . : |
| MFR. : ASD Lighting Corp | SUR. : | Shielding Angle: |

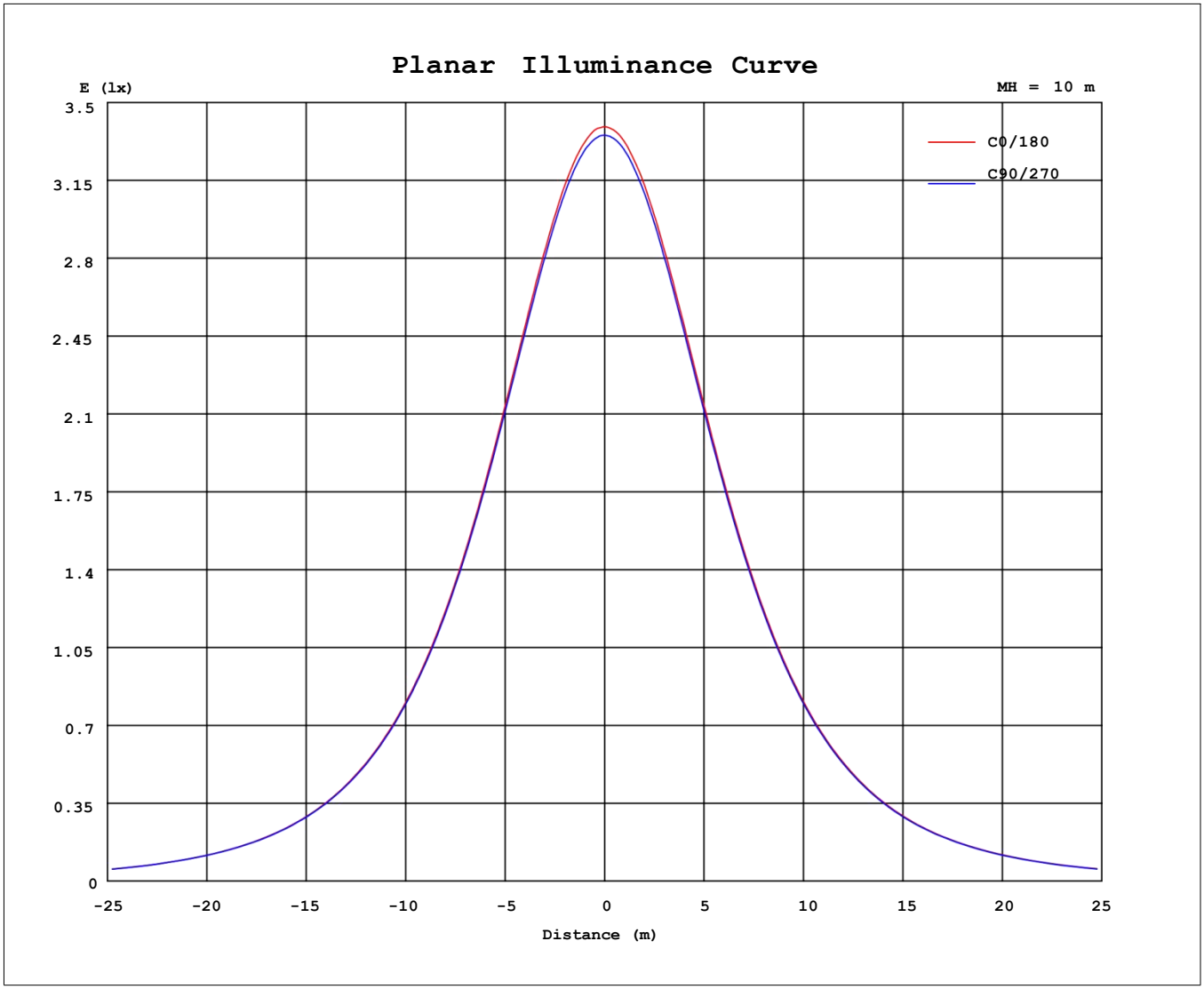
| AvgL | cd/m2 |
|---|---|
| L_0~180 (65)av | 23510 |
| L_0~180 (75)av | 20660 |
| L_0~180 (85)av | 13873 |
| L_90~270 (65)av | 23506 |
| L_90~270 (75)av | 19251 |
| L_90~270 (85)av | 2891 |
| L_45 (65)av | 23544 |
| L_45 (75)av | 20303 |
| L_45 (85)av | 7965 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

# Planar Illuminance Curve




C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24 .5℃
Operators:xiaoxin
Test Date:2026-10-15

Y Range: 0 - 180DEG
Y Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:60.0%
Test Distance:9.000m [K=1.0000]
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT : cd

| Y (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 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | | | |
| 5 | 334 | 335 | 334 | 335 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 335 | 334 | | | |
| 10 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | | | |
| 15 | 323 | 323 | 323 | 323 | 323 | 323 | 323 | 323 | 323 | 322 | 323 | 322 | 323 | 323 | 323 | 323 | | | |
| 20 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 312 | 313 | 312 | 313 | 313 | 314 | 313 | | | |
| 25 | 300 | 301 | 300 | 301 | 300 | 301 | 300 | 301 | 301 | 299 | 300 | 300 | 300 | 300 | 301 | 300 | | | |
| 30 | 285 | 286 | 285 | 286 | 285 | 286 | 285 | 286 | 285 | 284 | 285 | 284 | 286 | 285 | 286 | 285 | | | |
| 35 | 267 | 268 | 267 | 268 | 267 | 268 | 267 | 268 | 268 | 266 | 267 | 266 | 268 | 268 | 269 | 268 | | | |
| 40 | 247 | 248 | 247 | 248 | 247 | 248 | 248 | 248 | 248 | 246 | 247 | 247 | 248 | 248 | 249 | 248 | | | |
| 45 | 225 | 226 | 225 | 226 | 225 | 226 | 225 | 226 | 226 | 224 | 225 | 225 | 226 | 226 | 227 | 226 | | | |
| 50 | 201 | 202 | 201 | 202 | 201 | 203 | 202 | 202 | 202 | 200 | 201 | 201 | 202 | 202 | 204 | 202 | | | |
| 55 | 175 | 177 | 175 | 177 | 176 | 177 | 176 | 177 | 177 | 175 | 176 | 175 | 177 | 177 | 178 | 176 | | | |
| 60 | 148 | 149 | 148 | 150 | 149 | 150 | 149 | 150 | 150 | 148 | 149 | 148 | 150 | 150 | 151 | 150 | | | |
| 65 | 120 | 121 | 120 | 122 | 121 | 122 | 121 | 122 | 122 | 120 | 121 | 120 | 122 | 122 | 124 | 122 | | | |
| 70 | 91.9 | 92.9 | 91.8 | 92.3 | 90.9 | 93.1 | 93.1 | 93.8 | 93.9 | 91.2 | 91.9 | 89.8 | 91.7 | 92.3 | 95.5 | 93.6 | | | |
| 75 | 64.2 | 64.9 | 62.8 | 62.2 | 60.3 | 62.9 | 64.3 | 66.1 | 66.3 | 63.5 | 62.7 | 59.7 | 61.2 | 62.4 | 66.7 | 66.0 | | | |
| 80 | 37.6 | 37.1 | 34.4 | 31.2 | 30.0 | 31.5 | 35.6 | 38.6 | 38.5 | 37.3 | 33.3 | 30.3 | 30.1 | 32.7 | 36.9 | 39.7 | | | |
| 85 | 14.2 | 12.7 | 8.54 | 4.80 | 2.94 | 3.63 | 7.87 | 13.3 | 15.3 | 12.7 | 7.26 | 3.91 | 3.20 | 5.62 | 10.2 | 14.4 | | | |
| 90 | 0.20 | 0.21 | 0.20 | 0.15 | 0.15 | 0.15 | 0.21 | 0.21 | 0.32 | 0.39 | 0.35 | 0.29 | 0.28 | 0.30 | 0.35 | 0.37 | | | |
| 95 | 0.21 | 0.22 | 0.21 | 0.18 | 0.18 | 0.18 | 0.21 | 0.21 | 0.37 | 0.40 | 0.39 | 0.35 | 0.35 | 0.35 | 0.38 | 0.39 | | | |
| 100 | 0.27 | 0.27 | 0.27 | 0.25 | 0.25 | 0.25 | 0.27 | 0.27 | 0.46 | 0.47 | 0.47 | 0.44 | 0.44 | 0.44 | 0.46 | 0.46 | | | |
| 105 | 0.36 | 0.35 | 0.34 | 0.32 | 0.32 | 0.33 | 0.34 | 0.35 | 0.58 | 0.56 | 0.56 | 0.54 | 0.54 | 0.54 | 0.55 | 0.56 | | | |
| 110 | 0.45 | 0.43 | 0.42 | 0.40 | 0.41 | 0.41 | 0.43 | 0.44 | 0.68 | 0.67 | 0.66 | 0.64 | 0.64 | 0.63 | 0.65 | 0.65 | | | |
| 115 | 0.53 | 0.51 | 0.50 | 0.48 | 0.50 | 0.51 | 0.52 | 0.52 | 0.79 | 0.77 | 0.77 | 0.76 | 0.75 | 0.73 | 0.74 | 0.75 | | | |
| 120 | 0.62 | 0.60 | 0.58 | 0.57 | 0.60 | 0.60 | 0.61 | 0.61 | 0.90 | 0.87 | 0.87 | 0.86 | 0.86 | 0.83 | 0.84 | 0.85 | | | |
| 125 | 0.70 | 0.69 | 0.66 | 0.66 | 0.70 | 0.70 | 0.70 | 0.70 | 1.01 | 0.97 | 0.97 | 0.97 | 0.98 | 0.92 | 0.93 | 0.95 | | | |
| 130 | 0.80 | 0.78 | 0.76 | 0.76 | 0.81 | 0.81 | 0.80 | 0.80 | 1.12 | 1.07 | 1.07 | 1.07 | 1.08 | 1.02 | 1.02 | 1.04 | | | |
| 135 | 0.90 | 0.88 | 0.85 | 0.86 | 0.92 | 0.92 | 0.90 | 0.90 | 1.27 | 1.18 | 1.19 | 1.18 | 1.17 | 1.12 | 1.12 | 1.14 | | | |
| 140 | 1.00 | 0.98 | 0.95 | 0.97 | 1.03 | 1.03 | 1.00 | 0.99 | 1.31 | 1.23 | 1.24 | 1.25 | 1.26 | 1.18 | 1.18 | 1.19 | | | |
| 145 | 1.09 | 1.07 | 1.05 | 1.06 | 1.12 | 1.12 | 1.10 | 1.09 | 1.36 | 1.30 | 1.31 | 1.32 | 1.33 | 1.26 | 1.24 | 1.26 | | | |
| 150 | 1.17 | 1.16 | 1.13 | 1.15 | 1.21 | 1.21 | 1.18 | 1.21 | 1.41 | 1.36 | 1.37 | 1.38 | 1.39 | 1.32 | 1.30 | 1.32 | | | |
| 155 | 1.24 | 1.24 | 1.21 | 1.23 | 1.29 | 1.28 | 1.25 | 1.29 | 1.44 | 1.40 | 1.42 | 1.43 | 1.44 | 1.38 | 1.35 | 1.37 | | | |
| 160 | 1.31 | 1.31 | 1.28 | 1.30 | 1.35 | 1.35 | 1.31 | 1.36 | 1.46 | 1.44 | 1.45 | 1.46 | 1.48 | 1.42 | 1.39 | 1.41 | | | |
| 165 | 1.37 | 1.37 | 1.35 | 1.36 | 1.41 | 1.41 | 1.43 | 1.38 | 1.49 | 1.47 | 1.48 | 1.49 | 1.51 | 1.46 | 1.43 | 1.44 | | | |
| 170 | 1.43 | 1.42 | 1.40 | 1.41 | 1.46 | 1.45 | 1.43 | 1.41 | 1.50 | 1.49 | 1.49 | 1.50 | 1.52 | 1.49 | 1.46 | 1.46 | | | |
| 175 | 1.47 | 1.46 | 1.44 | 1.45 | 1.49 | 1.47 | 1.44 | 1.44 | 1.51 | 1.49 | 1.49 | 1.49 | 1.52 | 1.50 | 1.47 | 1.47 | | | |
| 180 | 1.49 | 1.48 | 1.47 | 1.48 | 1.51 | 1.49 | 1.46 | 1.46 | 1.50 | 1.48 | 1.48 | 1.48 | 1.51 | 1.49 | 1.46 | 1.46 | | | |

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