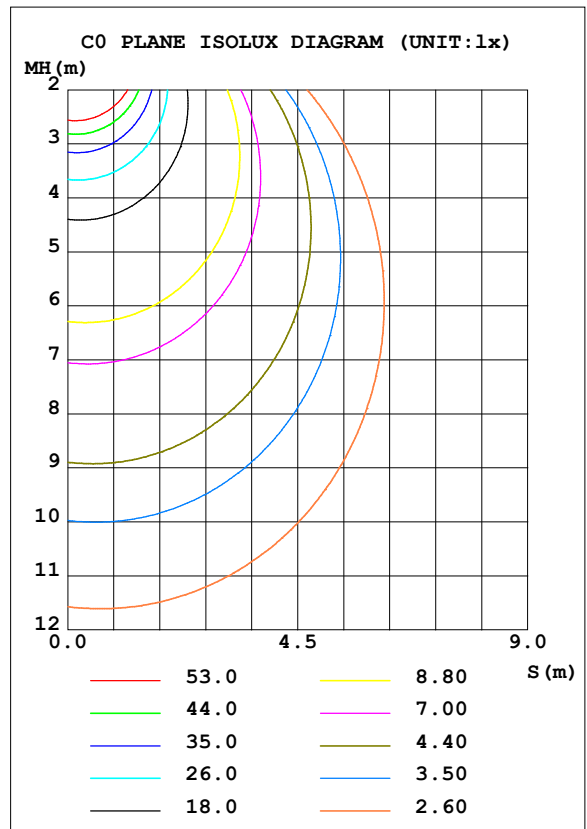
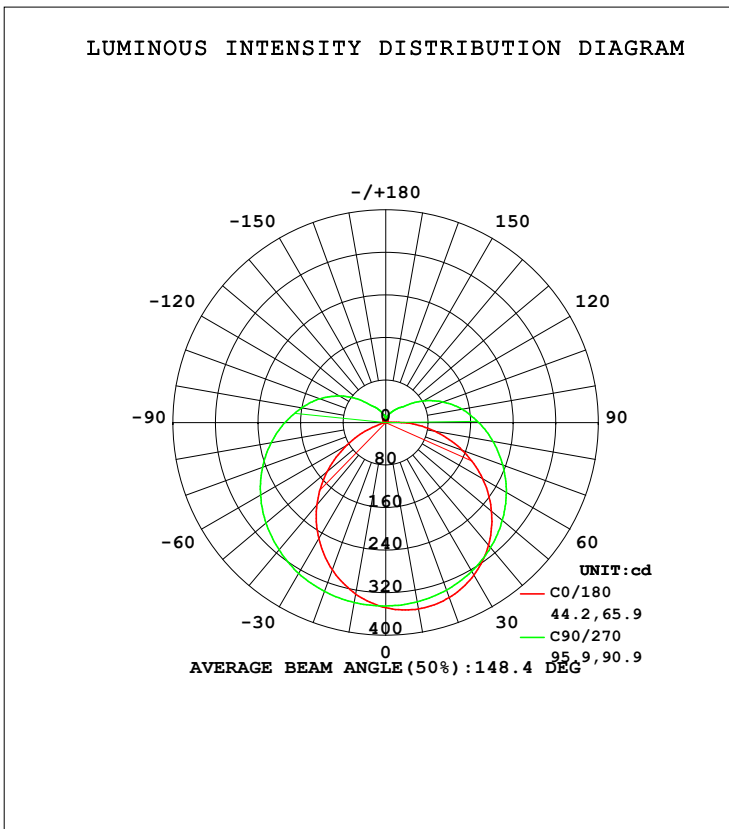


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 66.08 lm/W | | | |
|-------------------|----------------------|----------------------------------|---------|---------------------|------------|
| MODEL | ASD-LVF23-24D25CC-NK | I _{max} (cd) | 355.8 | S/MH (C0/180) | 1.10 |
| NOMINAL POWER (W) | 25 | LOR (%) | 100.0 | S/MH (C90/270) | 1.43 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1702.82 | η UP, DN (C0-180) | 8.9, 41.0 |
| NOMINAL FLUX (lm) | 1702.82 | CIE CLASS | SEMI-D. | η UP, DN (C180-360) | 10.3, 39.8 |
| LAMPS INSIDE | 1 | η up (%) | 19.2 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 120 | η down (%) | 80.8 | CIBSE SHR MAX | 1.55 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 8.898m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

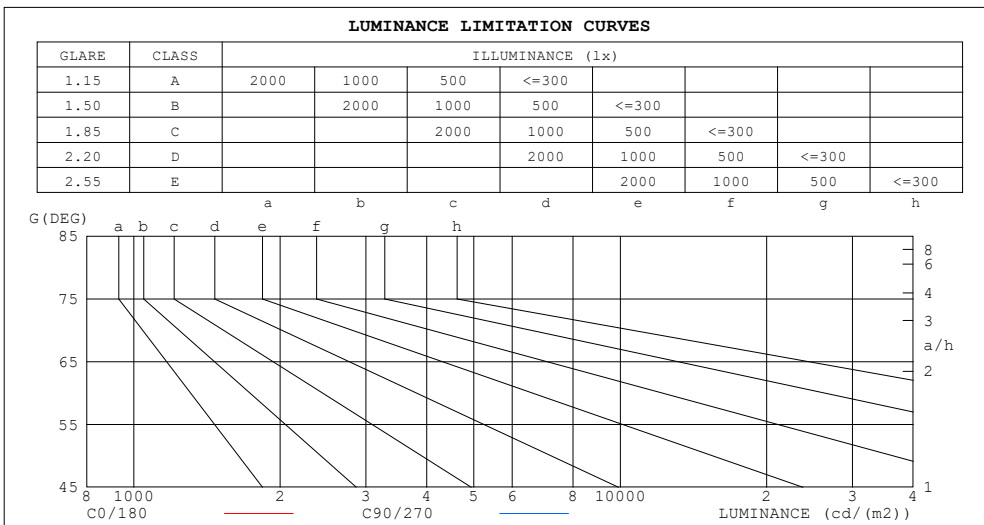
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 355.8 | 352.0 | 342.2 | 330.7 | 327.8 | 331.3 | 343.4 | 353.9 | 0- 10 | 32.84 | 32.84 | 1.93,1.93 |
| 20 | 350.0 | 349.2 | 335.0 | 307.2 | 294.4 | 308.8 | 337.7 | 351.7 | 10- 20 | 95.09 | 127.9 | 7.51,7.51 |
| 30 | 331.3 | 337.1 | 323.4 | 278.1 | 252.1 | 281.5 | 327.8 | 340.3 | 20- 30 | 147.6 | 275.5 | 16.2,16.2 |
| 40 | 300.8 | 316.6 | 306.8 | 244.7 | 201.4 | 250.6 | 312.4 | 319.6 | 30- 40 | 185.4 | 460.9 | 27.1,27.1 |
| 50 | 259.8 | 288.5 | 286.3 | 210.0 | 144.1 | 218.1 | 293.9 | 292.1 | 40- 50 | 205.4 | 666.3 | 39.1,39.1 |
| 60 | 210.2 | 255.0 | 261.9 | 176.2 | 83.61 | 186.6 | 272.0 | 259.2 | 50- 60 | 207.4 | 873.7 | 51.3,51.3 |
| 70 | 153.6 | 218.2 | 234.4 | 144.7 | 27.14 | 157.2 | 246.6 | 222.8 | 60- 70 | 193.5 | 1067 | 62.7,62.7 |
| 80 | 93.17 | 179.8 | 205.1 | 117.6 | 0.4331 | 131.1 | 218.8 | 185.0 | 70- 80 | 168.5 | 1236 | 72.6,72.6 |
| 90 | 34.88 | 142.6 | 175.2 | 95.31 | 1.066 | 109.3 | 189.6 | 148.1 | 80- 90 | 139.5 | 1375 | 80.8,80.8 |
| 100 | 0.3948 | 109.5 | 146.1 | 72.73 | 2.202 | 89.49 | 160.7 | 114.8 | 90-100 | 109.1 | 1484 | 87.2,87.2 |
| 110 | 0.6316 | 79.89 | 114.3 | 50.68 | 3.830 | 68.72 | 131.8 | 87.16 | 100-110 | 81.77 | 1566 | 92,92 |
| 120 | 1.653 | 51.18 | 82.24 | 34.36 | 5.046 | 47.02 | 100.5 | 60.41 | 110-120 | 56.83 | 1623 | 95.3,95.3 |
| 130 | 3.026 | 28.65 | 51.38 | 27.65 | 6.360 | 33.86 | 69.39 | 35.39 | 120-130 | 35.63 | 1659 | 97.4,97.4 |
| 140 | 4.259 | 20.48 | 34.99 | 21.97 | 7.781 | 27.45 | 41.86 | 23.95 | 130-140 | 20.95 | 1679 | 98.6,98.6 |
| 150 | 5.703 | 15.03 | 24.26 | 16.79 | 7.628 | 22.28 | 29.83 | 18.25 | 140-150 | 12.72 | 1692 | 99.4,99.4 |
| 160 | 6.018 | 10.80 | 15.87 | 9.880 | 6.358 | 13.45 | 16.90 | 13.80 | 150-160 | 6.889 | 1699 | 99.8,99.8 |
| 170 | 6.497 | 9.510 | 10.05 | 6.288 | 7.492 | 7.043 | 13.04 | 10.28 | 160-170 | 2.913 | 1702 | 100,100 |
| 180 | 10.25 | 9.559 | 5.937 | 10.02 | 10.27 | 9.543 | 5.937 | 10.00 | 170-180 | 0.8107 | 1703 | 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:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 90381 | 272557 |
| 80 | 67071 | 147616 |
| 75 | 59733 | 106161 |
| 70 | 56139 | 85657 |
| 65 | 54037 | 73475 |
| 60 | 52559 | 65466 |
| 55 | 51439 | 59835 |
| 50 | 50520 | 55667 |
| 45 | 49738 | 52526 |

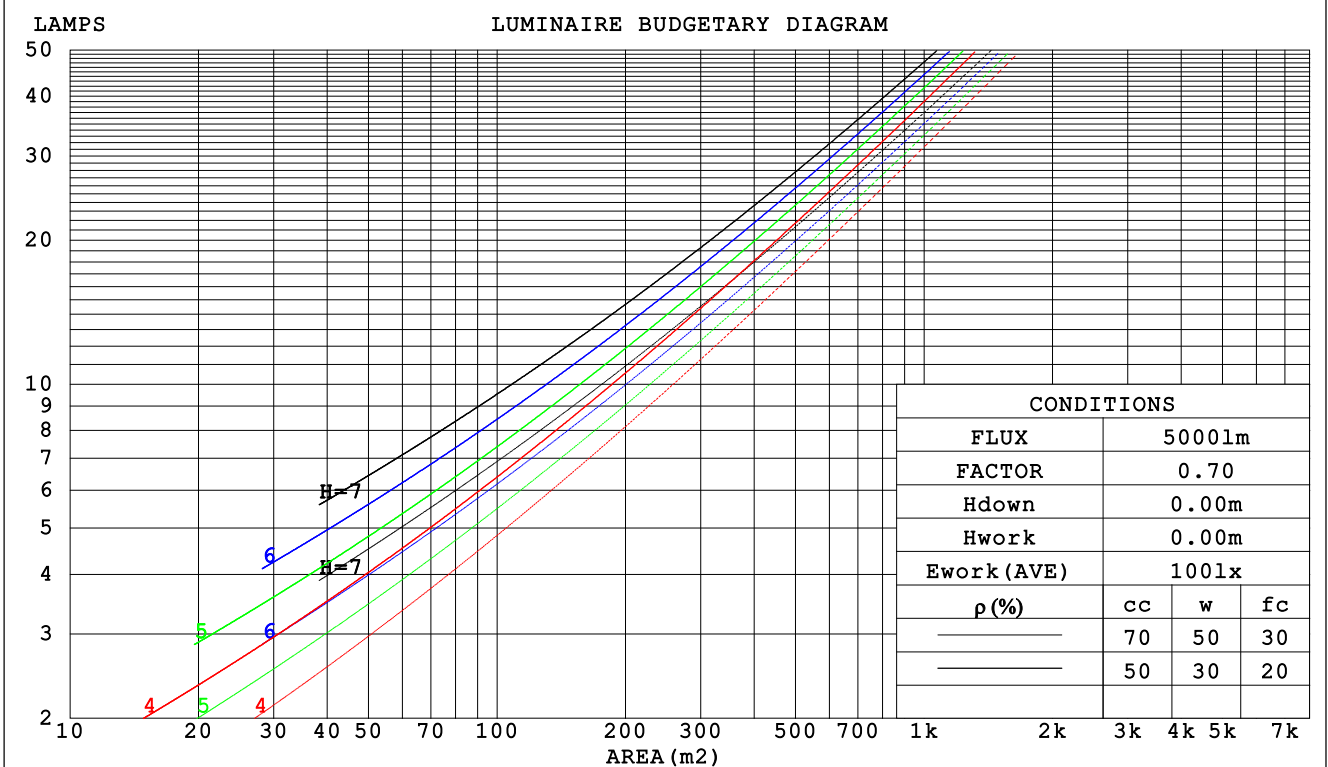
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

| 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 | 1.14 | 1.14 | 1.14 | 1.10 | 1.10 | 1.10 | 1.00 | 1.00 | 1.00 | .92 | .92 | .92 | .84 | .84 | .84 | .81 |
| 1.0 | .95 | .89 | .84 | .91 | .86 | .81 | .83 | .79 | .75 | .75 | .72 | .69 | .69 | .66 | .64 | .60 |
| 2.0 | .81 | .73 | .66 | .77 | .70 | .64 | .70 | .65 | .59 | .64 | .59 | .55 | .58 | .55 | .51 | .48 |
| 3.0 | .70 | .61 | .54 | .67 | .59 | .52 | .61 | .54 | .48 | .56 | .50 | .45 | .51 | .46 | .42 | .39 |
| 4.0 | .61 | .52 | .45 | .59 | .50 | .43 | .54 | .46 | .40 | .49 | .43 | .38 | .45 | .40 | .35 | .32 |
| 5.0 | .54 | .45 | .38 | .52 | .43 | .37 | .48 | .40 | .34 | .44 | .37 | .32 | .40 | .35 | .30 | .27 |
| 6.0 | .49 | .39 | .32 | .47 | .38 | .32 | .43 | .35 | .30 | .39 | .33 | .28 | .36 | .31 | .26 | .24 |
| 7.0 | .44 | .35 | .28 | .42 | .34 | .28 | .39 | .31 | .26 | .36 | .29 | .25 | .33 | .27 | .23 | .21 |
| 8.0 | .40 | .31 | .25 | .38 | .30 | .24 | .35 | .28 | .23 | .33 | .26 | .22 | .30 | .25 | .21 | .18 |
| 9.0 | .36 | .28 | .22 | .35 | .27 | .22 | .32 | .25 | .21 | .30 | .24 | .19 | .28 | .22 | .18 | .16 |
| 10.0 | .33 | .25 | .20 | .32 | .25 | .20 | .30 | .23 | .19 | .28 | .22 | .18 | .26 | .20 | .17 | .15 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

| 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 Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .395 | .225 | .071 | .382 | .218 | .069 | .358 | .205 | .066 | .335 | .193 | .062 | .314 | .182 | .059 | |
| 2.0 | .339 | .186 | .057 | .327 | .180 | .056 | .305 | .170 | .053 | .285 | .160 | .050 | .266 | .150 | .047 | |
| 3.0 | .300 | .160 | .048 | .289 | .155 | .047 | .269 | .146 | .044 | .251 | .137 | .042 | .233 | .129 | .040 | |
| 4.0 | .269 | .140 | .041 | .260 | .136 | .040 | .241 | .128 | .038 | .224 | .121 | .036 | .209 | .113 | .035 | |
| 5.0 | .244 | .124 | .036 | .236 | .121 | .035 | .219 | .114 | .034 | .203 | .107 | .032 | .189 | .101 | .030 | |
| 6.0 | .224 | .112 | .032 | .216 | .109 | .031 | .200 | .103 | .030 | .186 | .097 | .028 | .173 | .091 | .027 | |
| 7.0 | .206 | .102 | .029 | .199 | .099 | .028 | .185 | .093 | .027 | .172 | .088 | .026 | .160 | .083 | .024 | |
| 8.0 | .191 | .093 | .026 | .184 | .091 | .026 | .171 | .086 | .024 | .159 | .081 | .023 | .148 | .076 | .022 | |
| 9.0 | .178 | .086 | .024 | .172 | .084 | .023 | .160 | .079 | .022 | .149 | .075 | .021 | .138 | .070 | .020 | |
| 10.0 | .166 | .080 | .022 | .161 | .078 | .022 | .150 | .073 | .021 | .139 | .069 | .020 | .130 | .065 | .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 | .337 | .337 | .337 | .288 | .288 | .288 | .197 | .197 | .197 | .113 | .113 | .113 | .036 | .036 | .036 | |
| 1.0 | .334 | .303 | .275 | .286 | .260 | .237 | .195 | .179 | .164 | .113 | .104 | .095 | .036 | .033 | .031 | |
| 2.0 | .327 | .280 | .241 | .280 | .241 | .208 | .192 | .167 | .145 | .111 | .097 | .085 | .036 | .031 | .028 | |
| 3.0 | .320 | .264 | .220 | .274 | .228 | .190 | .188 | .158 | .134 | .109 | .092 | .079 | .035 | .030 | .026 | |
| 4.0 | .312 | .252 | .206 | .268 | .217 | .179 | .184 | .152 | .126 | .107 | .089 | .074 | .034 | .029 | .024 | |
| 5.0 | .304 | .242 | .196 | .261 | .209 | .170 | .180 | .146 | .120 | .104 | .086 | .071 | .034 | .028 | .024 | |
| 6.0 | .297 | .234 | .189 | .255 | .203 | .165 | .176 | .142 | .116 | .102 | .083 | .069 | .033 | .027 | .023 | |
| 7.0 | .290 | .227 | .184 | .249 | .197 | .160 | .172 | .138 | .114 | .100 | .081 | .068 | .032 | .027 | .022 | |
| 8.0 | .283 | .222 | .180 | .244 | .192 | .157 | .169 | .135 | .111 | .098 | .080 | .066 | .032 | .026 | .022 | |
| 9.0 | .277 | .217 | .177 | .238 | .188 | .154 | .165 | .132 | .110 | .096 | .078 | .065 | .031 | .026 | .022 | |
| 10.0 | .271 | .213 | .175 | .233 | .185 | .152 | .162 | .130 | .108 | .094 | .077 | .065 | .031 | .025 | .021 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|-------|----------------|------|-----------------------|------|------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | | | | | | | | | |
| NAME: ASD-LVF23-24D25CC-NK | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.:5000K | | | | | DIM.: | | | SERIAL No.:3CCT-5000K | | |
| MFR.: ASD Lighting Corp | | | | | SUR.: | | | Shielding Angle:0 | | |
| 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 | 23.9 | 25.3 | 24.4 | 25.8 | 26.4 | 24.9 | 26.2 | 25.4 | 26.8 | 27.4 |
| 3H | 25.9 | 27.2 | 26.5 | 27.7 | 28.4 | 27.6 | 28.8 | 28.1 | 29.4 | 30.0 |
| 4H | 26.9 | 28.1 | 27.5 | 28.7 | 29.3 | 29.0 | 30.2 | 29.6 | 30.8 | 31.5 |
| 6H | 27.8 | 28.9 | 28.4 | 29.5 | 30.2 | 30.7 | 31.8 | 31.3 | 32.4 | 33.1 |
| 8H | 28.2 | 29.3 | 28.8 | 29.9 | 30.6 | 31.6 | 32.7 | 32.2 | 33.3 | 34.0 |
| 12H | 28.6 | 29.7 | 29.2 | 30.3 | 31.0 | 32.6 | 33.7 | 33.2 | 34.3 | 35.0 |
| 4H 2H | 24.9 | 26.2 | 25.5 | 26.7 | 27.4 | 25.6 | 26.8 | 26.2 | 27.4 | 28.1 |
| 3H | 27.2 | 28.2 | 27.8 | 28.9 | 29.6 | 28.5 | 29.6 | 29.2 | 30.2 | 30.9 |
| 4H | 28.3 | 29.3 | 29.0 | 29.9 | 30.7 | 30.2 | 31.2 | 30.9 | 31.8 | 32.6 |
| 6H | 29.4 | 30.3 | 30.1 | 31.0 | 31.7 | 32.1 | 32.9 | 32.7 | 33.6 | 34.4 |
| 8H | 29.9 | 30.8 | 30.6 | 31.4 | 32.2 | 33.1 | 33.9 | 33.8 | 34.6 | 35.4 |
| 12H | 30.4 | 31.2 | 31.1 | 31.9 | 32.7 | 34.2 | 35.0 | 34.9 | 35.7 | 36.5 |
| 8H 4H | 29.2 | 30.0 | 29.9 | 30.7 | 31.5 | 30.7 | 31.5 | 31.4 | 32.2 | 33.0 |
| 6H | 30.6 | 31.3 | 31.4 | 32.0 | 32.9 | 32.9 | 33.6 | 33.6 | 34.3 | 35.1 |
| 8H | 31.4 | 32.0 | 32.1 | 32.7 | 33.6 | 34.1 | 34.7 | 34.8 | 35.4 | 36.3 |
| 12H | 32.1 | 32.6 | 32.8 | 33.4 | 34.2 | 35.5 | 36.1 | 36.3 | 36.8 | 37.7 |
| 12H 4H | 29.5 | 30.2 | 30.2 | 30.9 | 31.7 | 30.8 | 31.5 | 31.5 | 32.2 | 33.0 |
| 6H | 31.1 | 31.7 | 31.8 | 32.4 | 33.3 | 33.0 | 33.7 | 33.8 | 34.4 | 35.2 |
| 8H | 32.0 | 32.5 | 32.7 | 33.3 | 34.1 | 34.4 | 34.9 | 35.1 | 35.7 | 36.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |

CIE Pub.117, 1703 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.8)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

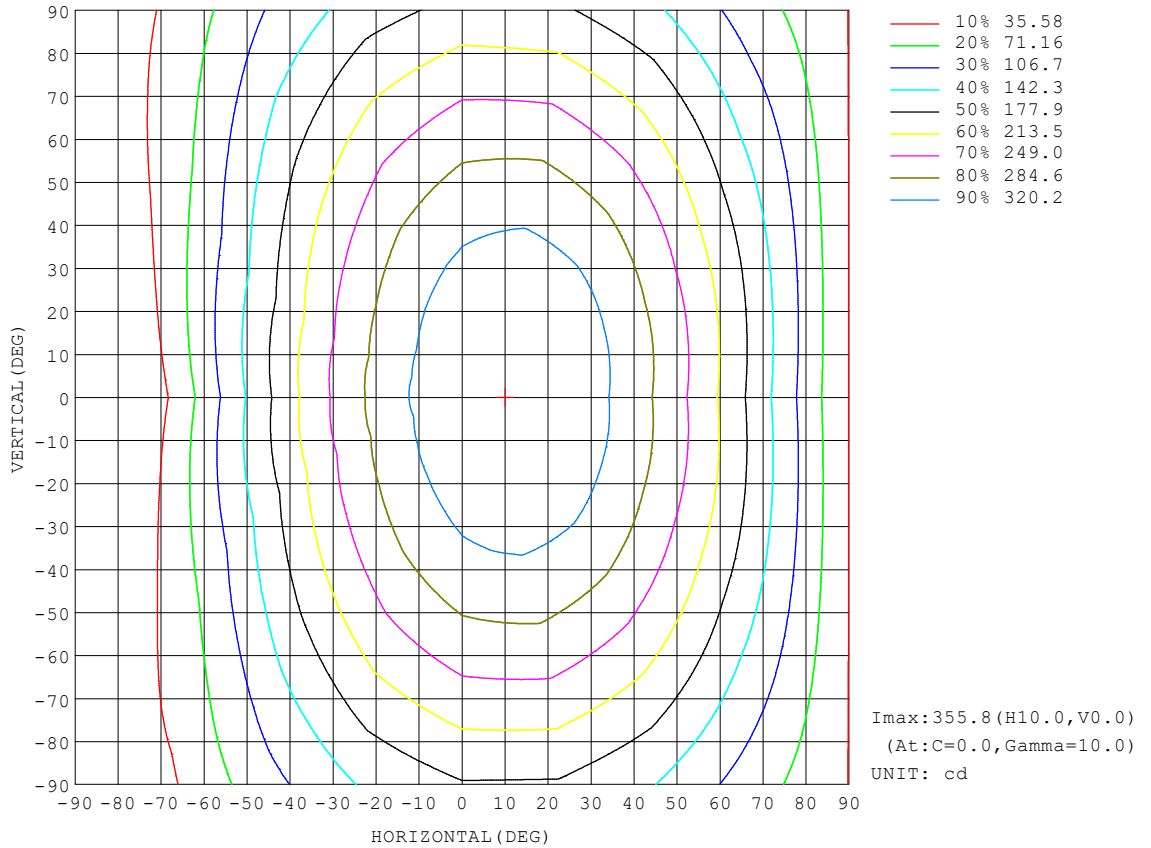
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 47 | 34 | 27 | 46 | 34 | 27 | 44 | 33 | 26 | 19 |
| 0.80 | 56 | 43 | 35 | 54 | 42 | 34 | 51 | 40 | 33 | 25 |
| 1.00 | 63 | 50 | 42 | 62 | 49 | 41 | 58 | 50 | 40 | 31 |
| 1.25 | 70 | 57 | 49 | 68 | 56 | 48 | 64 | 54 | 46 | 36 |
| 1.50 | 76 | 63 | 54 | 73 | 61 | 53 | 68 | 58 | 51 | 40 |
| 2.00 | 83 | 71 | 63 | 80 | 69 | 61 | 74 | 65 | 59 | 47 |
| 2.50 | 87 | 77 | 69 | 84 | 74 | 67 | 78 | 70 | 63 | 50 |
| 3.00 | 91 | 82 | 74 | 87 | 79 | 72 | 81 | 74 | 68 | 54 |
| 4.00 | 96 | 88 | 81 | 92 | 85 | 78 | 85 | 79 | 74 | 59 |
| 5.00 | 99 | 92 | 86 | 95 | 88 | 83 | 87 | 82 | 77 | 62 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

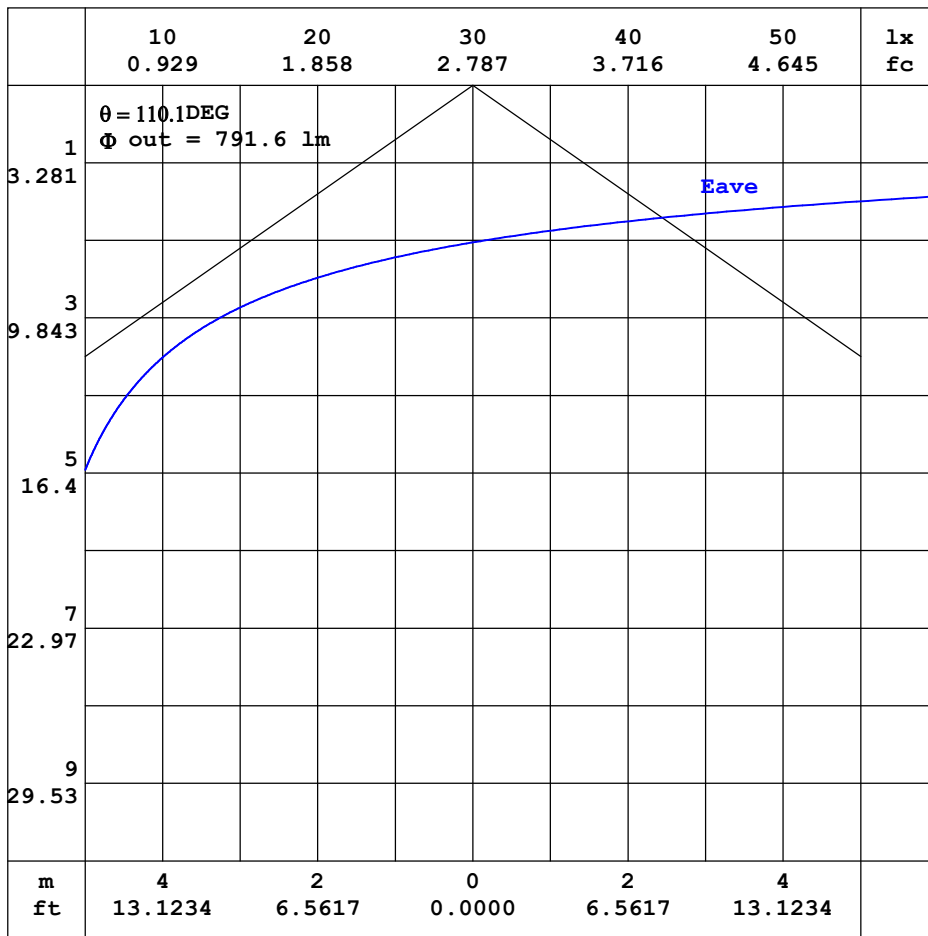


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

AAI CURVES

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |



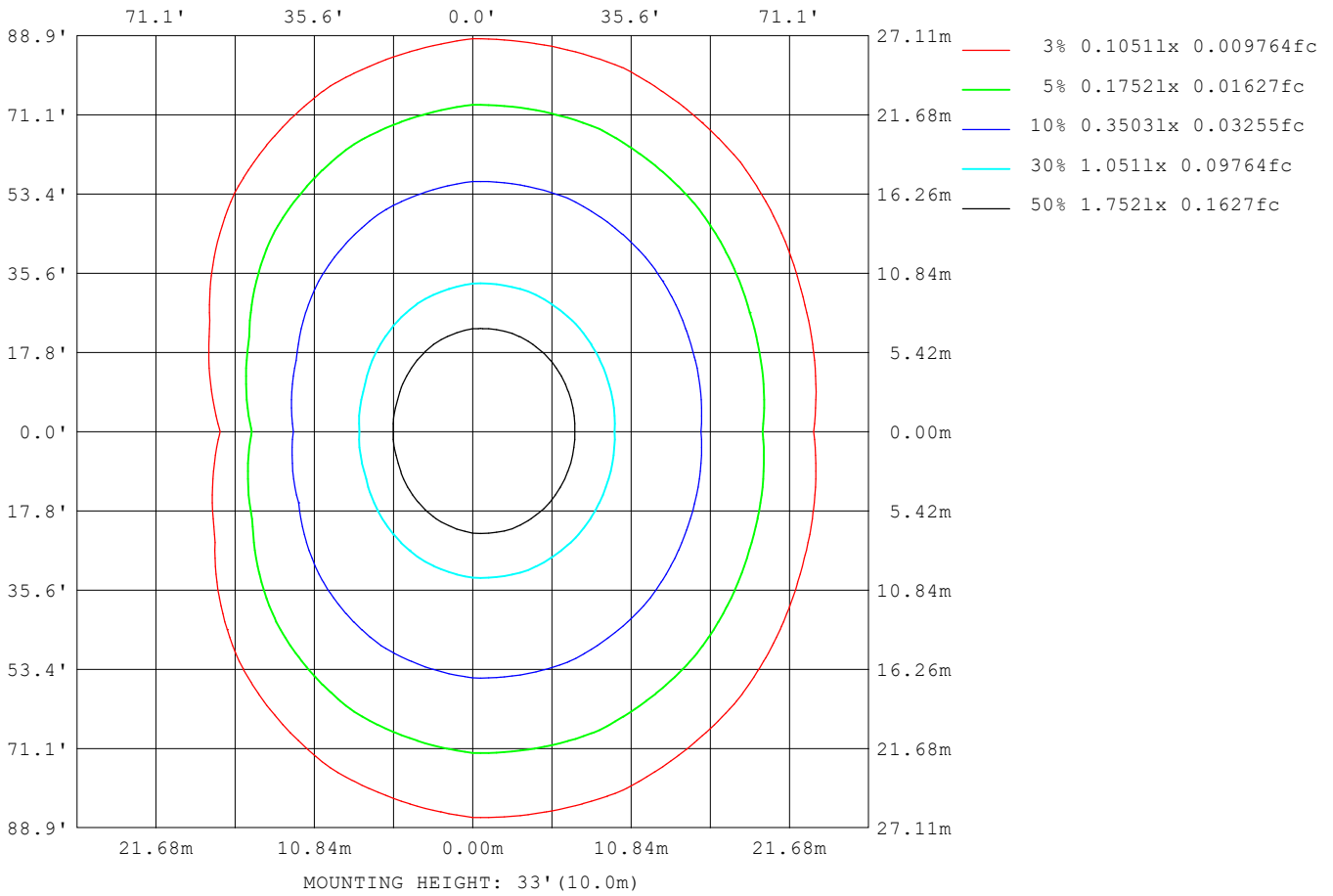
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

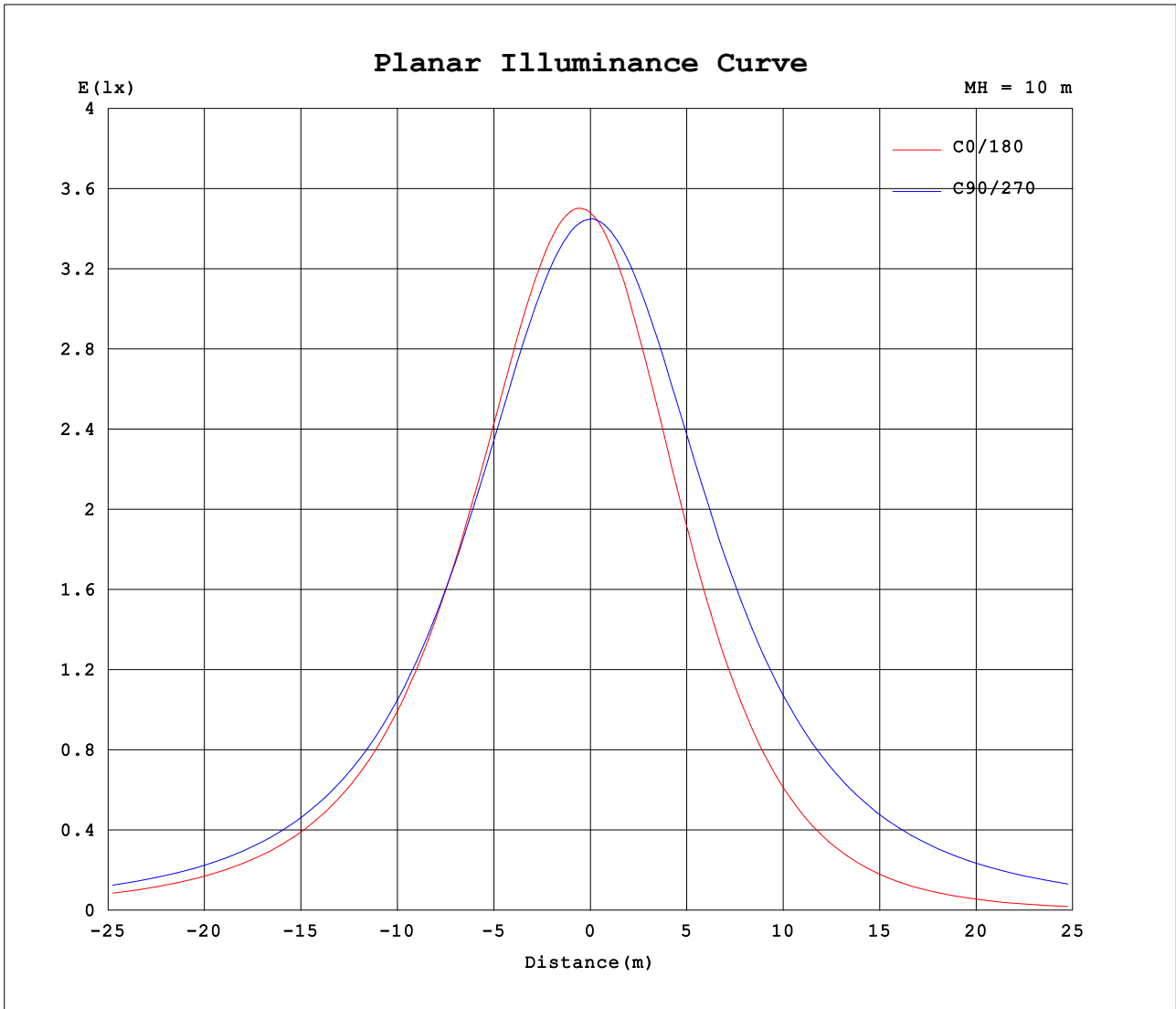
| AvgL | cd/m2 |
|------------------|--------|
| L_0~180 (65) av | 34995 |
| L_0~180 (75) av | 31529 |
| L_0~180 (85) av | 45683 |
| L_90~270 (65) av | 75144 |
| L_90~270 (75) av | 109335 |
| L_90~270 (85) av | 282759 |
| L_45 (65) av | 59864 |
| L_45 (75) av | 81784 |
| L_45 (85) av | 198210 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 8.898m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|-----------------------|
| Test:U:119.96V I:0.2296A P:25.769W PF:0.9354 Freq:59.98Hz Lamp Flux:1702.82x1 lm | | |
| NAME: ASD-LVF23-24D25CC-NK | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.:3CCT-5000K |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle:0 |

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 | 348 | 347 | 346 | 345 | 345 | 345 | 346 | 347 | 348 | 347 | 346 | 345 | 345 | 345 | 346 | 347 | | | |
| 5 | 354 | 352 | 350 | 347 | 344 | 341 | 340 | 338 | 339 | 338 | 340 | 342 | 345 | 348 | 351 | 352 | | | |
| 10 | 356 | 355 | 352 | 348 | 342 | 336 | 331 | 328 | 328 | 327 | 331 | 337 | 343 | 349 | 354 | 355 | | | |
| 15 | 355 | 354 | 352 | 347 | 339 | 330 | 320 | 312 | 312 | 314 | 320 | 331 | 341 | 349 | 354 | 355 | | | |
| 20 | 350 | 350 | 349 | 345 | 335 | 321 | 307 | 295 | 294 | 297 | 309 | 324 | 338 | 347 | 352 | 351 | | | |
| 25 | 342 | 344 | 344 | 341 | 330 | 312 | 293 | 277 | 274 | 279 | 296 | 316 | 333 | 343 | 347 | 345 | | | |
| 30 | 331 | 335 | 337 | 335 | 323 | 303 | 278 | 256 | 252 | 259 | 282 | 307 | 328 | 338 | 340 | 336 | | | |
| 35 | 318 | 322 | 328 | 328 | 316 | 292 | 262 | 235 | 228 | 238 | 266 | 297 | 320 | 331 | 331 | 324 | | | |
| 40 | 301 | 307 | 317 | 318 | 307 | 280 | 245 | 211 | 201 | 215 | 251 | 287 | 312 | 323 | 320 | 309 | | | |
| 45 | 281 | 290 | 303 | 308 | 297 | 268 | 227 | 187 | 173 | 192 | 234 | 276 | 304 | 313 | 307 | 292 | | | |
| 50 | 260 | 271 | 288 | 296 | 286 | 255 | 210 | 163 | 144 | 168 | 218 | 264 | 294 | 302 | 292 | 273 | | | |
| 55 | 236 | 251 | 272 | 284 | 275 | 242 | 193 | 139 | 114 | 144 | 202 | 252 | 283 | 290 | 276 | 252 | | | |
| 60 | 210 | 228 | 255 | 270 | 262 | 229 | 176 | 116 | 83.6 | 122 | 187 | 240 | 272 | 277 | 259 | 230 | | | |
| 65 | 183 | 205 | 237 | 255 | 248 | 215 | 160 | 94.3 | 53.9 | 101 | 172 | 227 | 260 | 263 | 241 | 206 | | | |
| 70 | 154 | 181 | 218 | 240 | 234 | 201 | 145 | 75.5 | 27.1 | 83.6 | 157 | 214 | 247 | 248 | 223 | 182 | | | |
| 75 | 124 | 157 | 199 | 223 | 220 | 187 | 131 | 60.0 | 6.88 | 68.8 | 144 | 201 | 233 | 233 | 204 | 157 | | | |
| 80 | 93.2 | 133 | 180 | 207 | 205 | 174 | 118 | 48.4 | 0.43 | 57.2 | 131 | 188 | 219 | 216 | 185 | 133 | | | |
| 85 | 63.0 | 110 | 161 | 190 | 190 | 160 | 106 | 39.7 | 0.69 | 49.0 | 120 | 175 | 204 | 200 | 166 | 109 | | | |
| 90 | 34.9 | 88.5 | 143 | 174 | 175 | 147 | 95.3 | 31.4 | 1.07 | 41.9 | 109 | 162 | 190 | 184 | 148 | 87.6 | | | |
| 95 | 12.0 | 69.6 | 125 | 158 | 161 | 135 | 84.0 | 23.6 | 1.54 | 35.1 | 99.9 | 150 | 175 | 168 | 131 | 68.6 | | | |
| 100 | 0.39 | 54.3 | 110 | 143 | 146 | 121 | 72.7 | 17.7 | 2.20 | 28.3 | 89.5 | 138 | 161 | 152 | 115 | 53.0 | | | |
| 105 | 0.32 | 42.1 | 95.0 | 127 | 130 | 107 | 61.6 | 16.1 | 3.04 | 22.3 | 79.0 | 125 | 147 | 137 | 100 | 41.6 | | | |
| 110 | 0.63 | 31.0 | 79.9 | 111 | 114 | 92.9 | 50.7 | 15.3 | 3.83 | 20.5 | 68.7 | 111 | 132 | 122 | 87.2 | 32.1 | | | |
| 115 | 1.10 | 20.8 | 65.3 | 94.2 | 98.2 | 78.8 | 40.2 | 14.8 | 4.45 | 19.2 | 57.6 | 97.5 | 116 | 107 | 73.5 | 23.2 | | | |
| 120 | 1.65 | 14.4 | 51.2 | 78.2 | 82.2 | 65.0 | 34.4 | 14.3 | 5.05 | 18.5 | 47.0 | 83.7 | 101 | 91.4 | 60.4 | 15.5 | | | |
| 125 | 2.36 | 12.1 | 37.8 | 62.2 | 66.5 | 51.4 | 30.8 | 13.8 | 5.68 | 18.0 | 37.7 | 69.5 | 84.9 | 76.1 | 47.6 | 13.3 | | | |
| 130 | 3.03 | 10.9 | 28.7 | 47.1 | 51.4 | 42.0 | 27.6 | 13.2 | 6.36 | 17.4 | 33.9 | 54.7 | 69.4 | 60.9 | 35.4 | 12.3 | | | |
| 135 | 3.62 | 10.1 | 24.1 | 36.8 | 41.3 | 36.6 | 24.6 | 12.7 | 7.20 | 16.7 | 30.5 | 42.2 | 54.1 | 46.3 | 27.9 | 11.7 | | | |
| 140 | 4.26 | 9.38 | 20.5 | 30.9 | 35.0 | 31.7 | 22.0 | 12.1 | 7.78 | 16.5 | 27.5 | 37.0 | 41.9 | 36.2 | 24.0 | 11.2 | | | |
| 145 | 5.01 | 8.73 | 17.6 | 25.8 | 29.3 | 27.1 | 19.4 | 11.2 | 7.88 | 15.4 | 24.6 | 32.0 | 35.5 | 30.5 | 20.8 | 10.7 | | | |
| 150 | 5.70 | 8.13 | 15.0 | 21.4 | 24.3 | 22.8 | 16.8 | 9.76 | 7.63 | 13.4 | 22.3 | 27.3 | 29.8 | 25.7 | 18.2 | 10.2 | | | |
| 155 | 6.01 | 8.06 | 12.8 | 17.6 | 19.8 | 19.0 | 13.3 | 8.24 | 7.06 | 10.9 | 18.1 | 23.0 | 24.4 | 21.5 | 15.9 | 9.76 | | | |
| 160 | 6.02 | 8.05 | 10.8 | 14.2 | 15.9 | 15.3 | 9.88 | 7.04 | 6.36 | 8.60 | 13.5 | 19.7 | 16.9 | 17.8 | 13.8 | 9.30 | | | |
| 165 | 6.02 | 8.12 | 9.72 | 11.3 | 12.5 | 10.5 | 6.97 | 6.42 | 6.42 | 7.00 | 9.33 | 14.6 | 14.6 | 14.6 | 11.9 | 9.10 | | | |
| 170 | 6.50 | 7.68 | 9.51 | 10.0 | 10.1 | 6.34 | 6.29 | 7.17 | 7.49 | 7.07 | 7.04 | 8.56 | 13.0 | 11.9 | 10.3 | 8.51 | | | |
| 175 | 8.11 | 8.51 | 9.48 | 9.55 | 5.99 | 6.11 | 7.80 | 9.08 | 9.24 | 8.60 | 7.13 | 6.13 | 10.3 | 10.1 | 9.78 | 8.83 | | | |
| 180 | 10.3 | 10.2 | 9.56 | 7.20 | 5.94 | 8.60 | 10.0 | 10.4 | 10.3 | 10.2 | 9.54 | 7.19 | 5.94 | 8.66 | 10.0 | 10.4 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-08-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks: