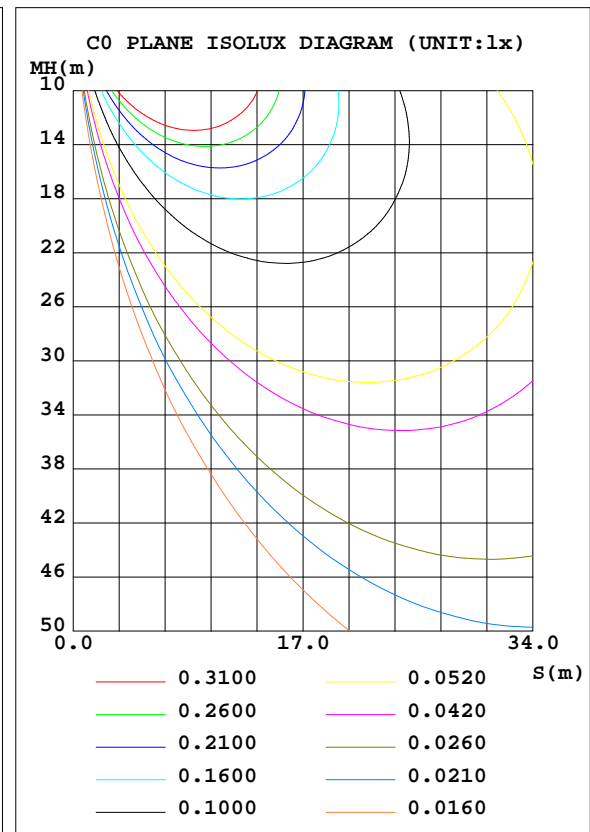
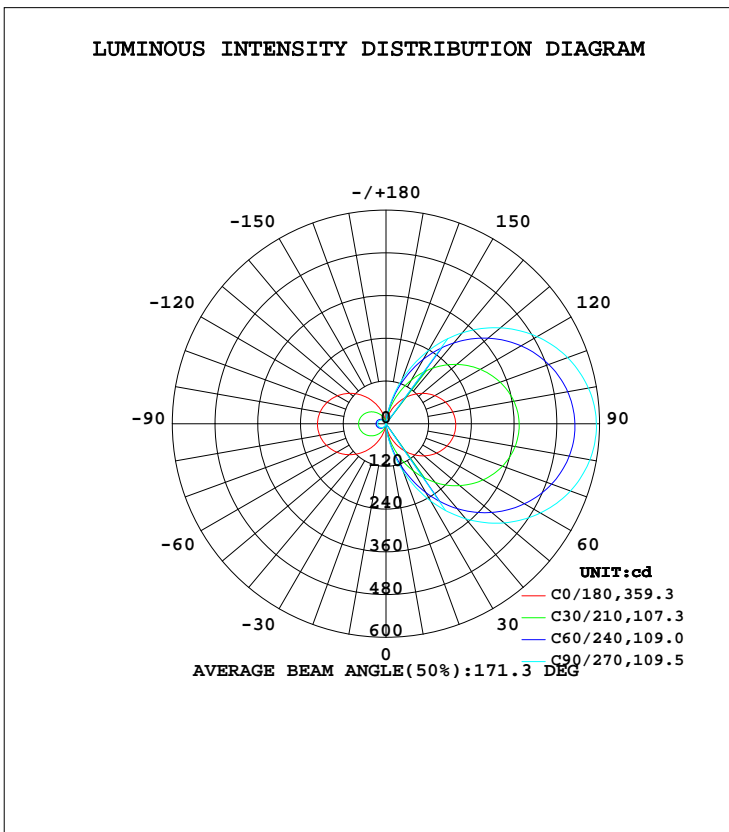


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

| DATA OF LAMP     |                      | PHOTOMETRIC DATA Eff: 96.32 lm/W |         |                    |           |
|------------------|----------------------|----------------------------------|---------|--------------------|-----------|
| MODEL            | ASD-LVF21-MV-24D25NK | I <sub>max</sub> (cd)            | 591.1   | S/MH(C0/180)       | 24.52     |
| NOMINAL POWER(W) | 25                   | LOR(%)                           | 100.0   | S/MH(C90/270)      | 10.74     |
| RATED VOLTAGE(V) | 120-277              | TOTAL FLUX(lm)                   | 2337.6  | η UP, DN(C0-180)   | 42.9,43.9 |
| NOMINAL FLUX(lm) | 2337.57              | CIE CLASS                        | DIFFUSE | η UP, DN(C180-360) | 6.6,6.7   |
| LAMPS INSIDE     | 1                    | η up(%)                          | 49.5    | CIBSE SHR NOM      | 0.00      |
| TEST VOLTAGE(V)  | 120                  | η down(%)                        | 50.5    | CIBSE SHR MAX      | 1.15      |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | γ       | Φ zone  | Φ total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10  | 12.47                 | 33.09  | 44.11  | 31.88  | 10.22  | 2.427  | 1.538  | 2.981  | 0- 10   | 0.8301  | 0.8301  | 0.04,0.04 |
| 20  | 42.75                 | 108.2  | 142.6  | 105.7  | 38.93  | 8.683  | 5.310  | 9.189  | 10- 20  | 11.06   | 11.89   | 0.51,0.51 |
| 30  | 77.33                 | 190.2  | 250.2  | 186.9  | 72.82  | 16.31  | 9.615  | 16.52  | 20- 30  | 37.79   | 49.67   | 2.13,2.13 |
| 40  | 110.8                 | 267.6  | 348.5  | 263.6  | 105.9  | 24.10  | 13.76  | 23.75  | 30- 40  | 78.50   | 128.2   | 5.48,5.48 |
| 50  | 140.5                 | 334.4  | 433.2  | 329.9  | 135.5  | 31.34  | 17.34  | 30.22  | 40- 50  | 127.2   | 255.4   | 10.9,10.9 |
| 60  | 164.6                 | 388.9  | 501.3  | 384.1  | 159.8  | 37.50  | 20.19  | 35.58  | 50- 60  | 177.2   | 432.5   | 18.5,18.5 |
| 70  | 182.4                 | 428.7  | 551.8  | 423.7  | 177.9  | 42.15  | 22.39  | 39.60  | 60- 70  | 221.7   | 654.2   | 28,28     |
| 80  | 193.2                 | 453.0  | 581.6  | 447.8  | 189.2  | 45.03  | 23.71  | 41.96  | 70- 80  | 255.0   | 909.2   | 38.9,38.9 |
| 90  | 195.9                 | 459.8  | 590.9  | 455.4  | 192.7  | 45.91  | 24.06  | 42.59  | 80- 90  | 272.4   | 1182    | 50.5,50.5 |
| 100 | 190.7                 | 448.7  | 577.3  | 444.6  | 188.1  | 44.84  | 23.55  | 41.41  | 90-100  | 271.4   | 1453    | 62.2,62.2 |
| 110 | 178.0                 | 420.9  | 543.2  | 417.6  | 176.1  | 41.87  | 22.14  | 38.53  | 100-110 | 251.9   | 1705    | 72.9,72.9 |
| 120 | 158.5                 | 377.9  | 489.8  | 375.3  | 157.6  | 37.23  | 19.80  | 34.02  | 110-120 | 217.2   | 1922    | 82.2,82.2 |
| 130 | 133.2                 | 321.8  | 419.3  | 320.1  | 133.3  | 31.16  | 16.82  | 28.46  | 120-130 | 172.1   | 2094    | 89.6,89.6 |
| 140 | 103.0                 | 254.0  | 333.7  | 253.7  | 104.2  | 24.22  | 13.38  | 21.62  | 130-140 | 122.5   | 2217    | 94.8,94.8 |
| 150 | 69.67                 | 177.4  | 236.2  | 178.6  | 72.02  | 17.27  | 9.417  | 13.62  | 140-150 | 74.75   | 2291    | 98,98     |
| 160 | 36.14                 | 96.80  | 131.5  | 99.73  | 39.07  | 11.16  | 5.368  | 6.204  | 150-160 | 35.44   | 2327    | 99.5,99.5 |
| 170 | 8.457                 | 25.30  | 36.65  | 28.56  | 10.80  | 3.827  | 2.031  | 1.973  | 160-170 | 10.02   | 2337    | 100,100   |
| 180 | 0.0564                | 0.0814 | 0.0265 | 0.0128 | 0.0926 | 0.0892 | 0.0991 | 0.1608 | 170-180 | 0.6637  | 2338    | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |           |

Conical surface Flux(90deg): 185.45 lm

%lum = 7.9%

%lamp = 7.9%

Conical surface Flux(120deg): 432.53 lm

%lum = 18.5%

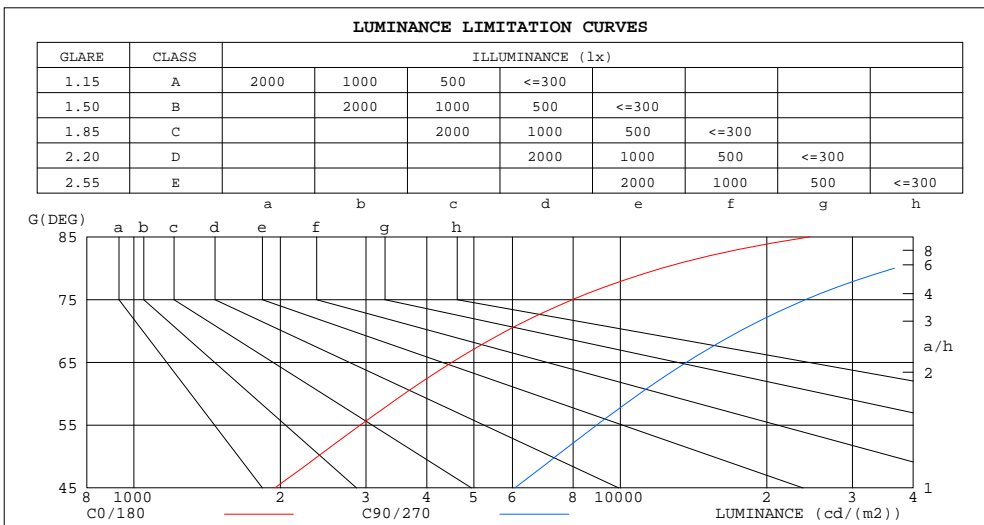
%lamp = 18.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 24532  | 73864   |
| 80                | 12159  | 36603   |
| 75                | 7971   | 24025   |
| 70                | 5828   | 17632   |
| 65                | 4508   | 13672   |
| 60                | 3599   | 10957   |
| 55                | 2920   | 8938    |
| 50                | 2389   | 7366    |
| 45                | 1949   | 6070    |

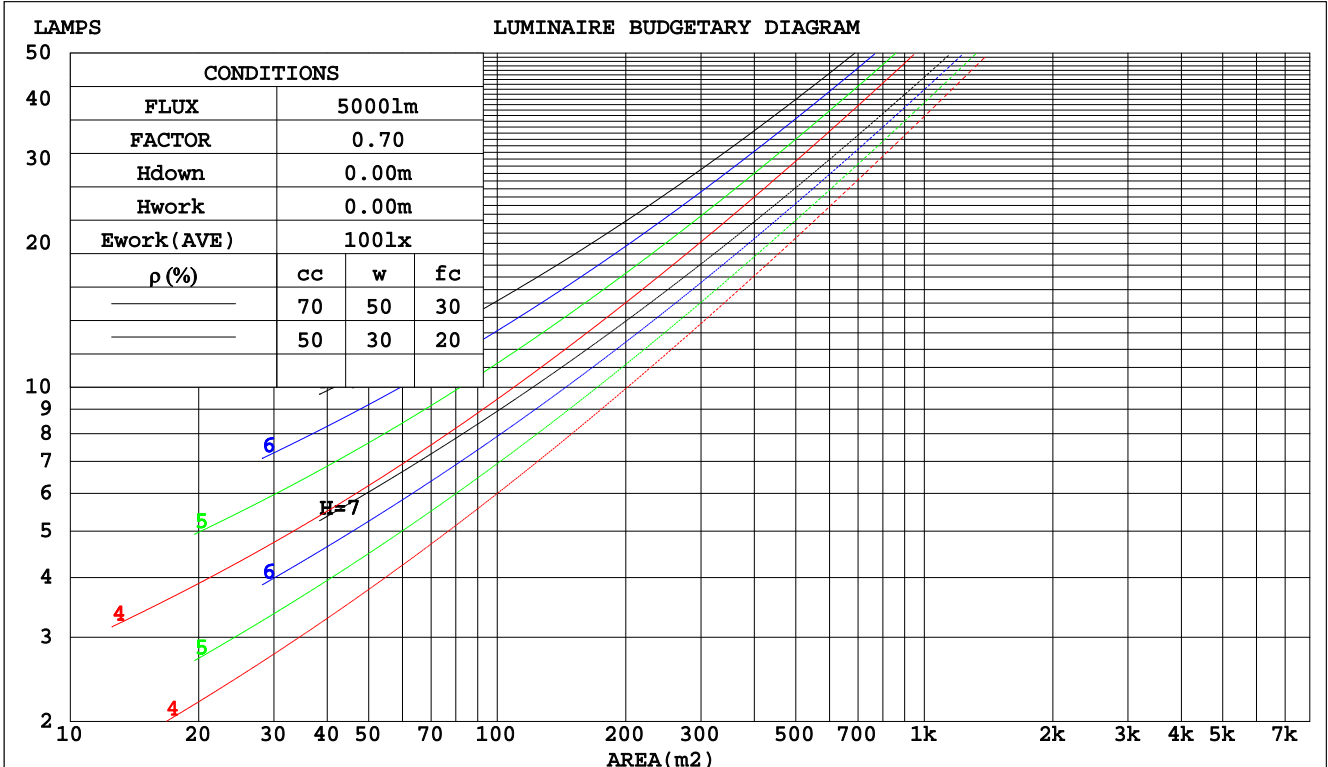
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

| pcc  | 80%                   |      |      | 70% |     |     | 50%                             |     |     | 30% |     |     | 10% |     |     | 0   |
|------|-----------------------|------|------|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      | 50%                   | 30%  | 10%  | 50% | 30% | 10% | 50%                             | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| pw   |                       |      |      |     |     |     |                                 |     |     |     |     |     |     |     |     | 0   |
| pfc  | 20%                   |      |      | 20% |     |     | 20%                             |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR  | RCR:Room Cavity Ratio |      |      |     |     |     | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0  | 1.07                  | 1.07 | 1.07 | .99 | .99 | .99 | .84                             | .84 | .84 | .70 | .70 | .70 | .57 | .57 | .57 | .51 |
| 1.0  | .85                   | .79  | .73  | .78 | .72 | .67 | .64                             | .60 | .56 | .52 | .49 | .46 | .41 | .38 | .36 | .30 |
| 2.0  | .71                   | .62  | .55  | .65 | .57 | .51 | .53                             | .47 | .42 | .42 | .38 | .34 | .32 | .29 | .26 | .21 |
| 3.0  | .60                   | .51  | .43  | .55 | .46 | .39 | .45                             | .38 | .32 | .35 | .30 | .26 | .27 | .23 | .19 | .15 |
| 4.0  | .52                   | .42  | .35  | .47 | .39 | .32 | .39                             | .32 | .26 | .30 | .25 | .20 | .23 | .18 | .15 | .11 |
| 5.0  | .46                   | .36  | .29  | .41 | .33 | .26 | .34                             | .27 | .21 | .27 | .21 | .17 | .20 | .15 | .12 | .08 |
| 6.0  | .40                   | .31  | .24  | .37 | .28 | .22 | .30                             | .23 | .18 | .23 | .18 | .14 | .17 | .13 | .10 | .07 |
| 7.0  | .36                   | .27  | .20  | .33 | .24 | .19 | .27                             | .20 | .15 | .21 | .16 | .12 | .16 | .11 | .08 | .05 |
| 8.0  | .32                   | .23  | .17  | .29 | .21 | .16 | .24                             | .18 | .13 | .19 | .14 | .10 | .14 | .10 | .07 | .04 |
| 9.0  | .29                   | .21  | .15  | .27 | .19 | .14 | .22                             | .16 | .11 | .17 | .12 | .09 | .13 | .09 | .06 | .04 |
| 10.0 | .27                   | .19  | .13  | .24 | .17 | .12 | .20                             | .14 | .10 | .16 | .11 | .07 | .12 | .08 | .05 | .03 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

WEC AND CCEC

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .445                  | .253 | .080 | .423 | .241 | .077 | .381                            | .218 | .070 | .342 | .197 | .063 | .307 | .178 | .057 |   |
| 2.0  | .365                  | .200 | .061 | .345 | .190 | .059 | .306                            | .170 | .053 | .271 | .152 | .048 | .238 | .135 | .043 |   |
| 3.0  | .315                  | .168 | .050 | .297 | .159 | .048 | .261                            | .142 | .043 | .229 | .125 | .038 | .199 | .110 | .034 |   |
| 4.0  | .278                  | .145 | .043 | .261 | .137 | .040 | .229                            | .122 | .036 | .199 | .107 | .032 | .172 | .093 | .028 |   |
| 5.0  | .250                  | .127 | .037 | .234 | .120 | .035 | .205                            | .106 | .031 | .177 | .093 | .028 | .151 | .081 | .024 |   |
| 6.0  | .227                  | .114 | .033 | .212 | .107 | .031 | .185                            | .095 | .028 | .159 | .083 | .024 | .135 | .071 | .021 |   |
| 7.0  | .207                  | .103 | .029 | .194 | .097 | .028 | .169                            | .085 | .025 | .145 | .074 | .022 | .123 | .064 | .019 |   |
| 8.0  | .191                  | .093 | .026 | .179 | .088 | .025 | .155                            | .078 | .022 | .133 | .068 | .019 | .113 | .058 | .017 |   |
| 9.0  | .177                  | .086 | .024 | .166 | .081 | .023 | .144                            | .071 | .020 | .123 | .062 | .018 | .104 | .053 | .015 |   |
| 10.0 | .165                  | .079 | .022 | .154 | .075 | .021 | .134                            | .066 | .018 | .115 | .057 | .016 | .097 | .049 | .014 |   |

| 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  | .567                  | .567 | .567 | .485 | .485 | .485 | .331                                       | .331 | .331 | .190 | .190 | .190 | .061 | .061 | .061 |   |
| 1.0  | .570                  | .535 | .504 | .487 | .459 | .433 | .333                                       | .316 | .300 | .192 | .183 | .174 | .061 | .059 | .056 |   |
| 2.0  | .564                  | .514 | .472 | .483 | .442 | .408 | .331                                       | .306 | .284 | .191 | .178 | .167 | .061 | .058 | .054 |   |
| 3.0  | .558                  | .499 | .452 | .478 | .431 | .392 | .328                                       | .299 | .275 | .190 | .175 | .162 | .061 | .057 | .053 |   |
| 4.0  | .550                  | .488 | .440 | .472 | .422 | .382 | .325                                       | .294 | .269 | .188 | .172 | .159 | .060 | .056 | .052 |   |
| 5.0  | .543                  | .479 | .432 | .466 | .414 | .376 | .321                                       | .289 | .265 | .186 | .170 | .157 | .060 | .055 | .052 |   |
| 6.0  | .535                  | .472 | .426 | .460 | .408 | .371 | .317                                       | .286 | .262 | .184 | .168 | .156 | .059 | .055 | .052 |   |
| 7.0  | .528                  | .466 | .422 | .454 | .404 | .367 | .314                                       | .283 | .260 | .182 | .167 | .155 | .059 | .055 | .051 |   |
| 8.0  | .522                  | .460 | .418 | .449 | .399 | .365 | .311                                       | .280 | .259 | .181 | .165 | .154 | .058 | .054 | .051 |   |
| 9.0  | .515                  | .456 | .416 | .444 | .396 | .363 | .308                                       | .278 | .258 | .179 | .164 | .154 | .058 | .054 | .051 |   |
| 10.0 | .510                  | .452 | .414 | .439 | .393 | .361 | .305                                       | .276 | .257 | .178 | .163 | .153 | .058 | .054 | .051 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | 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                                      | 16.0             | 17.1 | 16.9 | 18.0 | 19.2 | 20.3           | 21.4 | 21.1 | 22.3 | 23.5 |
| 3H   | 19.0             | 20.1 | 19.9 | 21.0 | 22.2 | 24.1           | 25.1 | 25.0 | 26.1 | 27.3 |
| 4H   | 20.7             | 21.7 | 21.6 | 22.6 | 23.8 | 26.2           | 27.2 | 27.1 | 28.1 | 29.3 |
| 6H   | 22.5             | 23.4 | 23.4 | 24.4 | 25.6 | 28.5           | 29.4 | 29.4 | 30.4 | 31.6 |
| 8H   | 23.5             | 24.4 | 24.4 | 25.3 | 26.6 | 29.7           | 30.6 | 30.6 | 31.6 | 32.8 |
| 12H  | 24.6             | 25.5 | 25.6 | 26.4 | 27.7 | 31.1           | 32.0 | 32.1 | 32.9 | 34.2 |
| 4H 2H  | 18.5             | 19.4 | 19.4 | 20.4 | 21.6 | 21.0           | 22.0 | 21.9 | 22.9 | 24.1 |
| 3H   | 21.4             | 22.3 | 22.4 | 23.3 | 24.5 | 25.0           | 25.9 | 25.9 | 26.8 | 28.1 |
| 4H   | 23.1             | 23.9 | 24.1 | 24.9 | 26.2 | 27.3           | 28.1 | 28.2 | 29.0 | 30.3 |
| 6H   | 24.9             | 25.6 | 25.9 | 26.6 | 27.9 | 29.8           | 30.5 | 30.7 | 31.5 | 32.7 |
| 8H   | 25.9             | 26.6 | 26.9 | 27.6 | 28.9 | 31.1           | 31.8 | 32.1 | 32.8 | 34.1 |
| 12H  | 27.0             | 27.6 | 28.0 | 28.6 | 29.9 | 32.6           | 33.3 | 33.6 | 34.3 | 35.6 |
| 8H 4H  | 24.8             | 25.5 | 25.8 | 26.5 | 27.8 | 27.8           | 28.4 | 28.7 | 29.4 | 30.7 |
| 6H   | 26.9             | 27.5 | 27.9 | 28.5 | 29.8 | 30.5           | 31.1 | 31.5 | 32.1 | 33.5 |
| 8H   | 28.1             | 28.6 | 29.1 | 29.6 | 30.9 | 32.1           | 32.6 | 33.1 | 33.6 | 35.0 |
| 12H  | 29.3             | 29.7 | 30.3 | 30.8 | 32.1 | 33.9           | 34.3 | 34.9 | 35.4 | 36.7 |
| 12H 4H   | 25.4             | 26.0 | 26.4 | 27.0 | 28.3 | 27.8           | 28.5 | 28.8 | 29.5 | 30.8 |
| 6H   | 27.7             | 28.2 | 28.7 | 29.2 | 30.6 | 30.7           | 31.2 | 31.7 | 32.3 | 33.6 |
| 8H   | 29.0             | 29.4 | 30.0 | 30.5 | 31.8 | 32.4           | 32.9 | 33.4 | 33.9 | 35.3 |
| 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   | + 0.3 / - 0.4    |      |      |      |      | + 0.3 / - 0.4  |      |      |      |      |

CIE Pub.117, 2338 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.0)  
 Area: 0.0915 m2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

UTILIZATION FACTORS TABLE

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

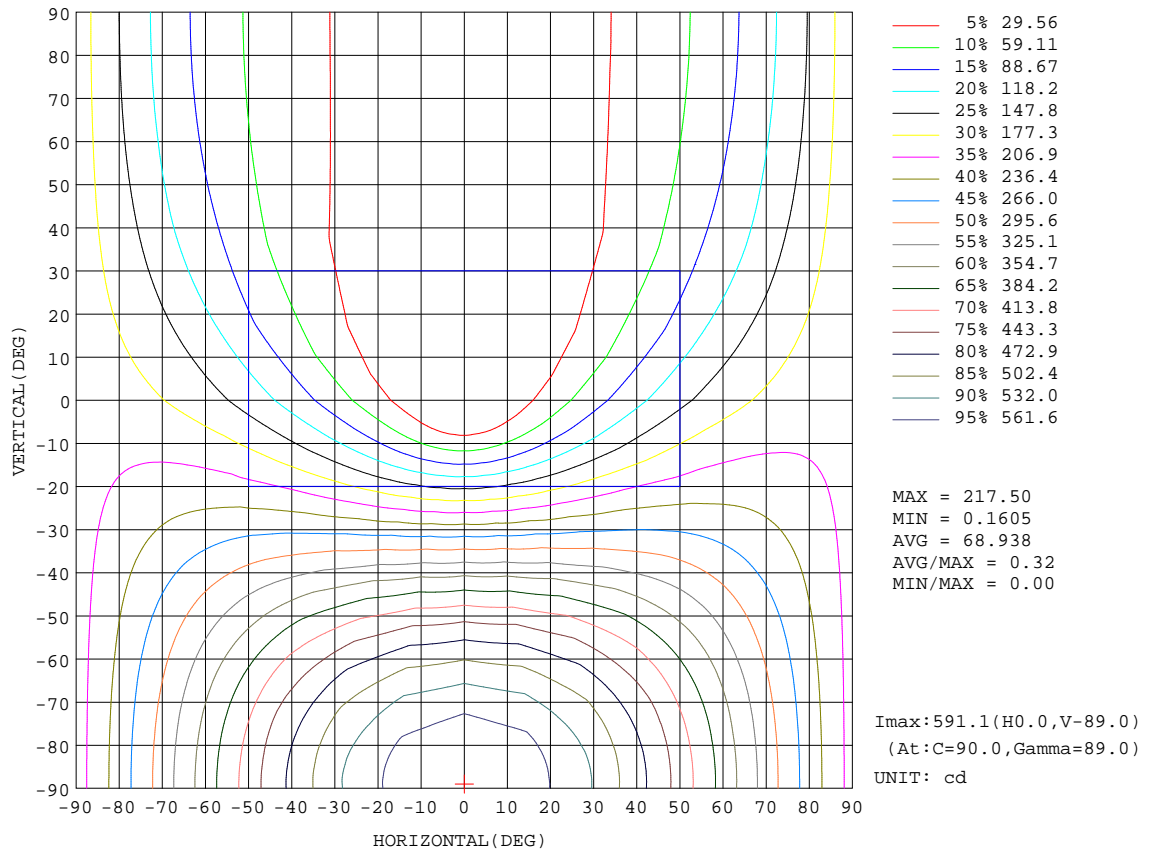
| REFLECTANCE                      |   |     |           |     |     |     |               |     |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 33  | 20  | 13        | 31  | 19  | 12  | 28            | 17  | 11  | 4      |
| 0.80                             | 42  | 27  | 18        | 39  | 26  | 17  | 34            | 23  | 16  | 6      |
| 1.00                             | 49  | 34  | 24        | 45  | 32  | 23  | 39            | 30  | 20  | 9      |
| 1.25                             | 56  | 41  | 30        | 52  | 38  | 29  | 44            | 33  | 25  | 12     |
| 1.50                             | 61  | 46  | 36        | 56  | 43  | 34  | 48            | 37  | 29  | 14     |
| 2.00                             | 69  | 55  | 45        | 64  | 51  | 42  | 54            | 44  | 36  | 18     |
| 2.50                             | 74  | 61  | 51        | 69  | 57  | 48  | 58            | 49  | 41  | 21     |
| 3.00                             | 79  | 67  | 57        | 72  | 62  | 53  | 61            | 53  | 46  | 24     |
| 4.00                             | 84  | 74  | 65        | 77  | 68  | 61  | 65            | 58  | 52  | 28     |
| 5.00                             | 88  | 79  | 71        | 81  | 73  | 66  | 68            | 62  | 56  | 31     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

ISOCANDELA DIAGRAM

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |



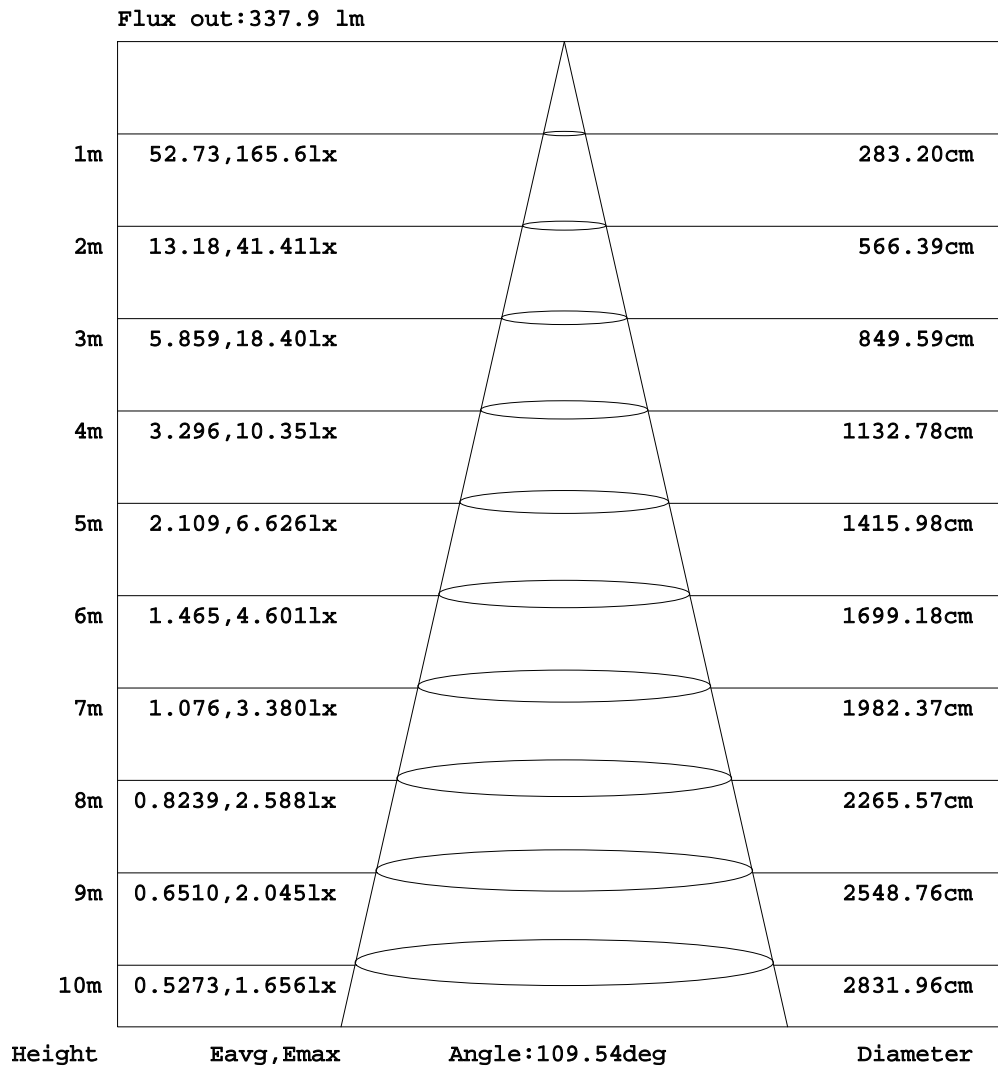
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:



AAI Figure

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |



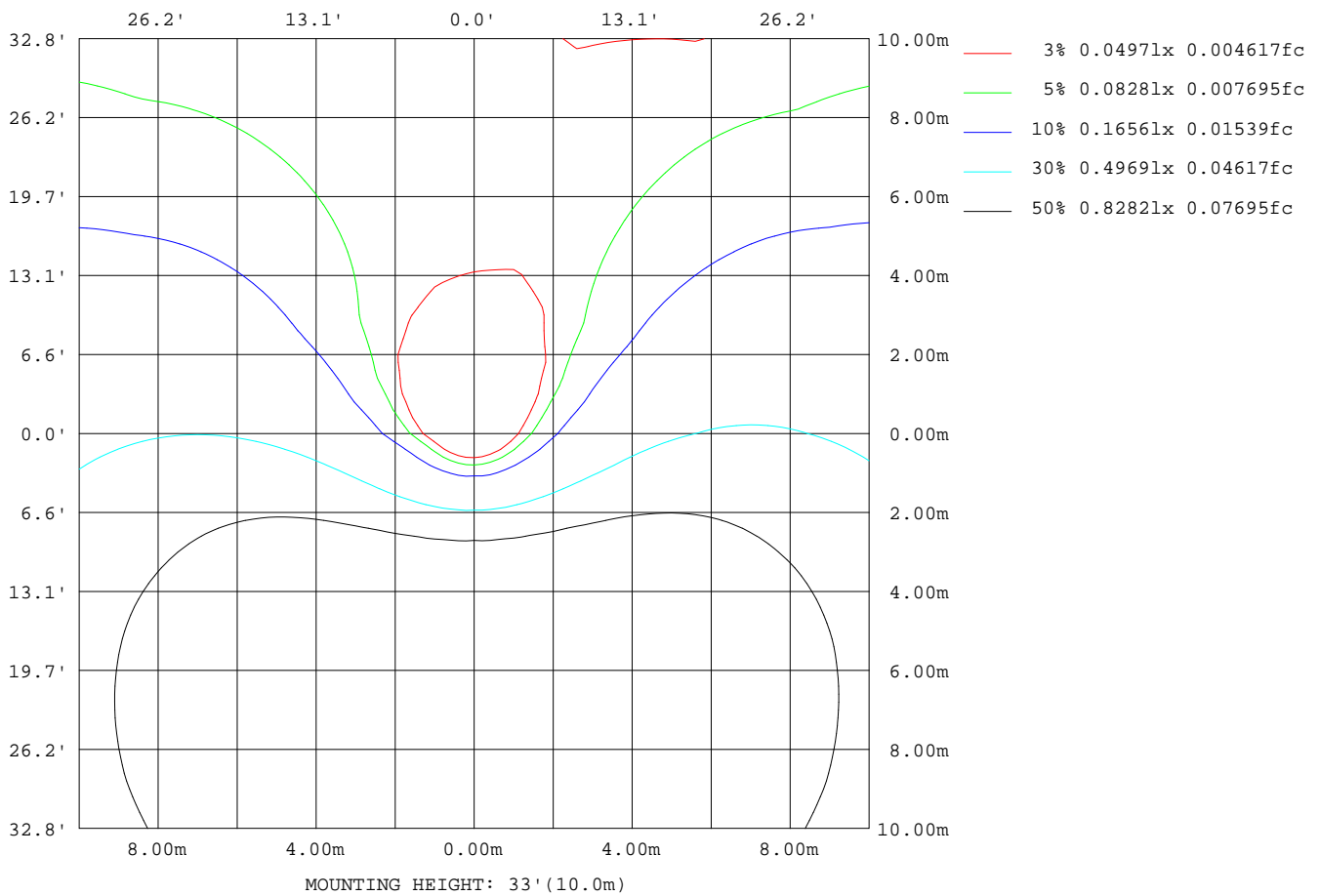
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date:25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance:2.500m [K=1.0388]  
 Remarks:

ISOLUX DIAGRAM

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

## LED Avg.L Report

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

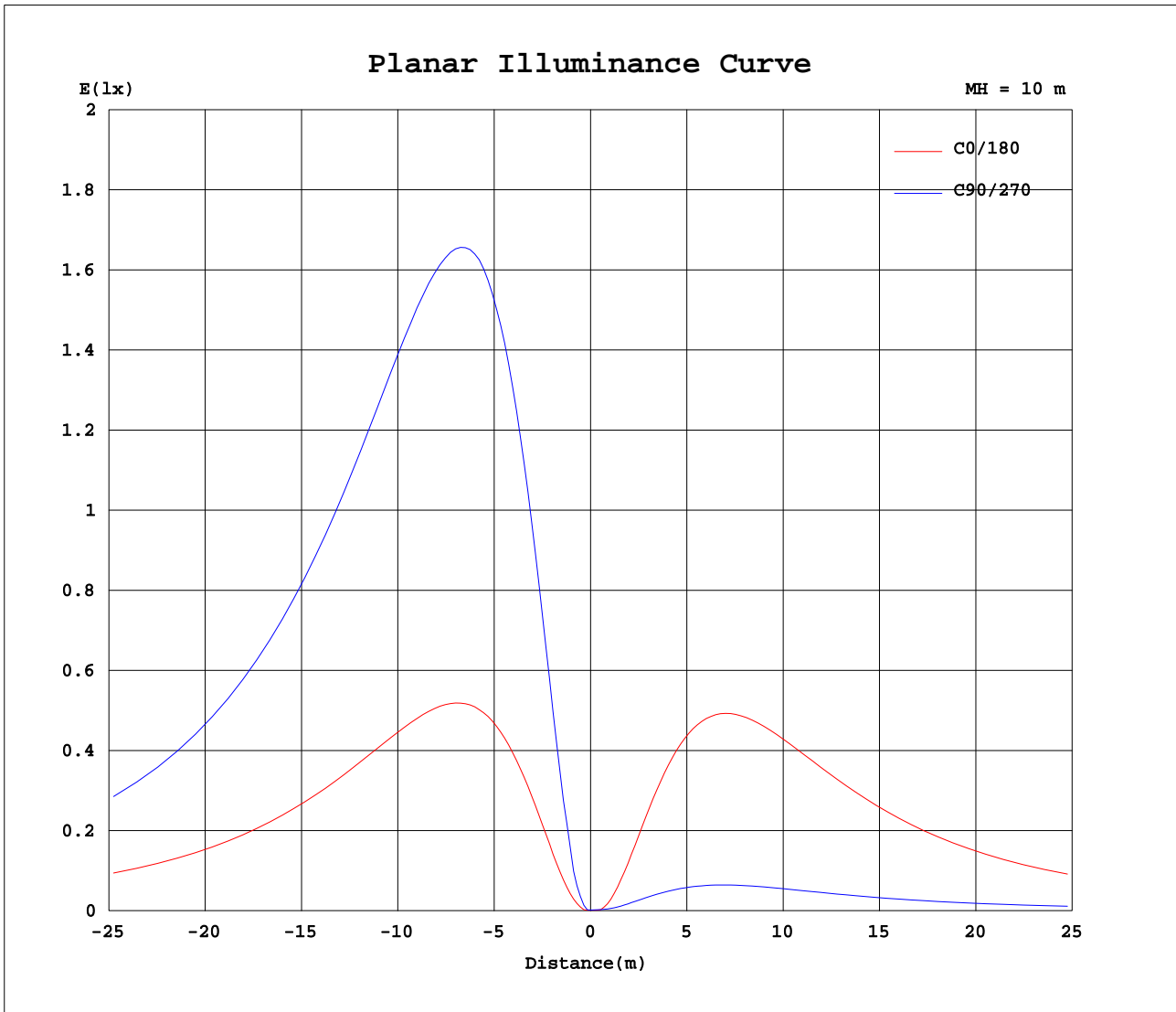
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 4449  |
| L_0~180(75)av  | 7880  |
| L_0~180(85)av  | 24298 |
| L_90~270(65)av | 7113  |
| L_90~270(75)av | 12502 |
| L_90~270(85)av | 38437 |
| L_45(65)av     | 5778  |
| L_45(75)av     | 10193 |
| L_45(85)av     | 31370 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 25 September 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 40.8%  
Test Distance: 2.500m [K=1.0388]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.19 | 0.22 | 0.25 | 0.28 | 0.31 | 0.34 | 0.36 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.19 | 0.22 |
| 5                 | 2.97 | 4.45 | 6.15 | 7.72 | 8.98 | 9.73 | 9.99 | 9.52 | 8.53 | 7.10 | 5.43 | 3.81 | 1.76 | 1.02 | 0.73 | 0.63 | 0.64 | 0.52 | 0.48 |
| 10                | 12.5 | 19.0 | 26.1 | 33.1 | 39.2 | 43.0 | 44.1 | 42.4 | 38.0 | 31.9 | 25.1 | 18.0 | 10.2 | 6.05 | 3.53 | 2.43 | 2.26 | 1.87 | 1.54 |
| 15                | 26.5 | 39.4 | 54.1 | 68.4 | 80.5 | 88.2 | 90.6 | 87.4 | 79.0 | 66.5 | 52.2 | 37.8 | 23.3 | 14.1 | 8.27 | 5.26 | 4.30 | 3.70 | 3.28 |
| 20                | 42.7 | 63.0 | 85.9 | 108  | 127  | 139  | 143  | 138  | 125  | 106  | 83.5 | 61.1 | 38.9 | 24.0 | 14.1 | 8.68 | 6.57 | 5.69 | 5.31 |
| 25                | 60.0 | 87.9 | 119  | 149  | 175  | 191  | 197  | 190  | 172  | 146  | 116  | 85.6 | 55.8 | 34.8 | 20.6 | 12.4 | 8.91 | 7.68 | 7.46 |
| 30                | 77.3 | 113  | 152  | 190  | 222  | 243  | 250  | 242  | 220  | 187  | 149  | 110  | 72.8 | 45.8 | 27.3 | 16.3 | 11.3 | 9.61 | 9.61 |
| 35                | 94.4 | 137  | 184  | 230  | 268  | 293  | 301  | 291  | 265  | 227  | 181  | 134  | 89.7 | 56.9 | 34.1 | 20.2 | 13.6 | 11.5 | 11.8 |
| 40                | 111  | 160  | 215  | 268  | 311  | 339  | 349  | 338  | 308  | 264  | 211  | 157  | 106  | 67.6 | 40.8 | 24.1 | 15.8 | 13.2 | 13.8 |
| 45                | 126  | 182  | 244  | 302  | 351  | 383  | 393  | 381  | 347  | 298  | 240  | 179  | 121  | 77.7 | 47.1 | 27.8 | 17.9 | 14.8 | 15.6 |
| 50                | 140  | 202  | 271  | 334  | 388  | 422  | 433  | 420  | 384  | 330  | 266  | 199  | 135  | 87.2 | 53.1 | 31.3 | 19.9 | 16.3 | 17.3 |
| 55                | 153  | 221  | 294  | 364  | 421  | 458  | 469  | 455  | 416  | 359  | 289  | 217  | 148  | 95.8 | 58.6 | 34.6 | 21.7 | 17.7 | 18.9 |
| 60                | 165  | 237  | 315  | 389  | 449  | 489  | 501  | 487  | 445  | 384  | 310  | 234  | 160  | 103  | 63.3 | 37.5 | 23.4 | 18.8 | 20.2 |
| 65                | 174  | 251  | 333  | 410  | 474  | 516  | 529  | 513  | 470  | 406  | 328  | 247  | 170  | 110  | 67.5 | 40.0 | 24.8 | 19.9 | 21.4 |
| 70                | 182  | 262  | 348  | 429  | 495  | 537  | 552  | 535  | 491  | 424  | 343  | 259  | 178  | 116  | 71.0 | 42.1 | 26.0 | 20.7 | 22.4 |
| 75                | 189  | 271  | 360  | 443  | 511  | 555  | 569  | 552  | 507  | 438  | 354  | 268  | 184  | 120  | 73.8 | 43.8 | 27.0 | 21.4 | 23.2 |
| 80                | 193  | 277  | 368  | 453  | 523  | 567  | 582  | 565  | 518  | 448  | 363  | 274  | 189  | 123  | 75.7 | 45.0 | 27.7 | 21.9 | 23.7 |
| 85                | 196  | 281  | 373  | 459  | 529  | 574  | 589  | 572  | 525  | 454  | 368  | 278  | 192  | 125  | 76.9 | 45.7 | 28.1 | 22.1 | 24.0 |
| 90                | 196  | 282  | 374  | 460  | 531  | 576  | 591  | 574  | 526  | 455  | 369  | 279  | 193  | 125  | 77.2 | 45.9 | 28.2 | 22.2 | 24.1 |
| 95                | 194  | 280  | 371  | 456  | 527  | 572  | 587  | 570  | 523  | 452  | 367  | 277  | 191  | 125  | 76.7 | 45.6 | 28.0 | 22.1 | 24.0 |
| 100               | 191  | 274  | 365  | 449  | 518  | 563  | 577  | 561  | 515  | 445  | 361  | 273  | 188  | 123  | 75.4 | 44.8 | 27.6 | 21.8 | 23.5 |
| 105               | 185  | 267  | 355  | 437  | 505  | 548  | 562  | 547  | 501  | 433  | 351  | 265  | 183  | 119  | 73.3 | 43.6 | 26.9 | 21.3 | 23.0 |
| 110               | 178  | 256  | 342  | 421  | 487  | 529  | 543  | 527  | 483  | 418  | 338  | 256  | 176  | 115  | 70.4 | 41.9 | 25.9 | 20.5 | 22.1 |
| 115               | 169  | 244  | 325  | 401  | 465  | 506  | 519  | 504  | 461  | 398  | 322  | 244  | 168  | 109  | 66.8 | 39.7 | 24.6 | 19.6 | 21.1 |
| 120               | 158  | 229  | 306  | 378  | 438  | 477  | 490  | 476  | 435  | 375  | 304  | 229  | 158  | 102  | 62.6 | 37.2 | 23.2 | 18.5 | 19.8 |
| 125               | 146  | 212  | 284  | 351  | 408  | 445  | 457  | 443  | 406  | 349  | 282  | 213  | 146  | 94.6 | 57.8 | 34.4 | 21.5 | 17.4 | 18.4 |
| 130               | 133  | 193  | 260  | 322  | 374  | 408  | 419  | 407  | 372  | 320  | 258  | 195  | 133  | 86.1 | 52.5 | 31.2 | 19.7 | 16.0 | 16.8 |
| 135               | 119  | 173  | 233  | 289  | 337  | 368  | 378  | 367  | 336  | 288  | 232  | 175  | 119  | 76.8 | 46.7 | 27.8 | 17.7 | 14.6 | 15.2 |
| 140               | 103  | 151  | 204  | 254  | 297  | 325  | 334  | 324  | 296  | 254  | 204  | 153  | 104  | 67.1 | 40.7 | 24.2 | 15.7 | 13.1 | 13.4 |
| 145               | 86.6 | 128  | 173  | 217  | 254  | 278  | 286  | 278  | 253  | 217  | 174  | 131  | 88.4 | 57.3 | 34.7 | 20.7 | 13.6 | 11.5 | 11.4 |
| 150               | 69.7 | 104  | 141  | 177  | 208  | 229  | 236  | 229  | 209  | 179  | 143  | 107  | 72.0 | 47.9 | 28.9 | 17.3 | 11.6 | 9.77 | 9.42 |
| 155               | 52.7 | 78.8 | 109  | 137  | 162  | 178  | 184  | 179  | 163  | 139  | 112  | 82.9 | 55.4 | 39.1 | 23.7 | 14.2 | 9.59 | 8.08 | 7.38 |
| 160               | 36.1 | 54.5 | 76.0 | 96.8 | 115  | 127  | 132  | 128  | 117  | 99.7 | 79.7 | 59.1 | 39.1 | 30.5 | 18.5 | 11.2 | 7.51 | 6.34 | 5.37 |
| 165               | 20.8 | 32.1 | 45.3 | 58.4 | 69.8 | 77.9 | 81.3 | 79.3 | 72.2 | 61.8 | 49.4 | 36.7 | 23.8 | 20.8 | 12.7 | 7.67 | 5.15 | 4.43 | 3.61 |
| 170               | 8.46 | 13.2 | 19.3 | 25.3 | 30.7 | 34.8 | 36.6 | 36.0 | 33.2 | 28.6 | 23.0 | 17.2 | 10.8 | 10.3 | 6.30 | 3.83 | 2.70 | 2.48 | 2.03 |
| 175               | 1.30 | 2.05 | 3.09 | 4.19 | 6.17 | 6.62 | 7.22 | 7.39 | 7.04 | 6.69 | 4.91 | 3.78 | 2.22 | 2.26 | 1.43 | 0.99 | 0.83 | 0.79 | 0.66 |
| 180               | 0.06 | 0.05 | 0.07 | 0.08 | 0.06 | 0.04 | 0.03 | 0.01 | 0.00 | 0.01 | 0.03 | 0.03 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |          |                  |
|--|----------|------------------|
| Test:U:120.00V I:0.2048A P:24.270W PF:0.9874 Freq:60.00Hz Lamp Flux:2337.57x1 lm |          |                  |
| NAME: ASD-LVF21-MV-24D25NK_3000K   | TYPE:LED | WEIGHT:          |
| SPEC.:N/A  | DIM.:    | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:    | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 0.25 | 0.28 | 0.31 | 0.34 | 0.36 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 0.68 | 0.86 | 1.06 | 1.44 | 2.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 1.88 | 2.32 | 2.98 | 4.70 | 8.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 3.42 | 4.08 | 5.78 | 9.93 | 16.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 5.18 | 6.08 | 9.19 | 16.0 | 27.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 7.07 | 8.16 | 12.8 | 22.6 | 38.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 8.95 | 10.3 | 16.5 | 29.4 | 49.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 10.8 | 12.3 | 20.2 | 36.0 | 60.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 12.5 | 14.3 | 23.8 | 42.5 | 71.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 14.1 | 16.1 | 27.1 | 48.6 | 81.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 15.6 | 17.8 | 30.2 | 54.3 | 91.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 16.8 | 19.4 | 33.1 | 59.3 | 99.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 18.0 | 20.8 | 35.6 | 63.8 | 107  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 19.0 | 22.0 | 37.8 | 67.6 | 113  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 19.9 | 23.0 | 39.6 | 70.8 | 118  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 20.6 | 23.8 | 41.0 | 73.3 | 122  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 21.0 | 24.4 | 42.0 | 75.0 | 125  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 21.2 | 24.6 | 42.5 | 76.0 | 127  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 21.3 | 24.7 | 42.6 | 76.1 | 127  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 21.3 | 24.6 | 42.2 | 75.5 | 126  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 21.0 | 24.1 | 41.4 | 74.0 | 124  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 20.4 | 23.4 | 40.2 | 71.8 | 120  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 19.7 | 22.5 | 38.5 | 68.9 | 115  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 18.7 | 21.4 | 36.4 | 65.3 | 109  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 17.7 | 20.1 | 34.0 | 61.1 | 102  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 16.5 | 18.5 | 31.3 | 56.4 | 94.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 15.2 | 16.9 | 28.5 | 51.2 | 86.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 13.7 | 15.2 | 25.2 | 45.3 | 76.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 12.1 | 13.2 | 21.6 | 38.9 | 66.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 10.5 | 11.2 | 17.6 | 31.9 | 54.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 8.78 | 9.08 | 13.6 | 24.6 | 42.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 7.00 | 7.02 | 9.65 | 16.8 | 29.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 5.13 | 5.11 | 6.20 | 10.1 | 17.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 3.21 | 3.27 | 3.77 | 5.26 | 8.91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 1.55 | 1.62 | 1.97 | 2.27 | 3.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 0.47 | 0.55 | 0.78 | 0.85 | 1.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 0.11 | 0.13 | 0.16 | 0.20 | 0.24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 25 September 2023

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 40.8%  
 Test Distance: 2.500m [K=1.0388]  
 Remarks: