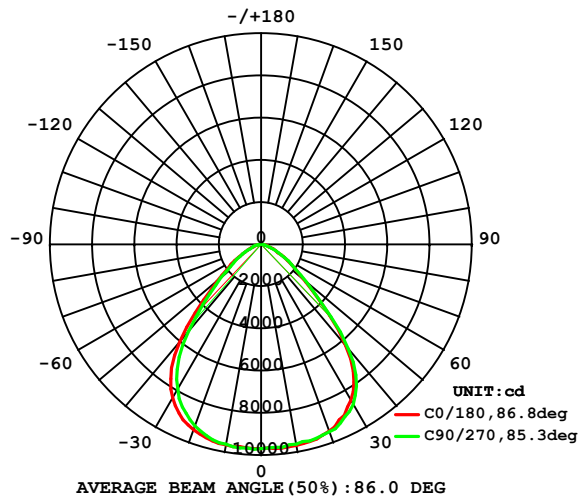


## LUMINAIRE PHOTOMETRIC TEST REPORT

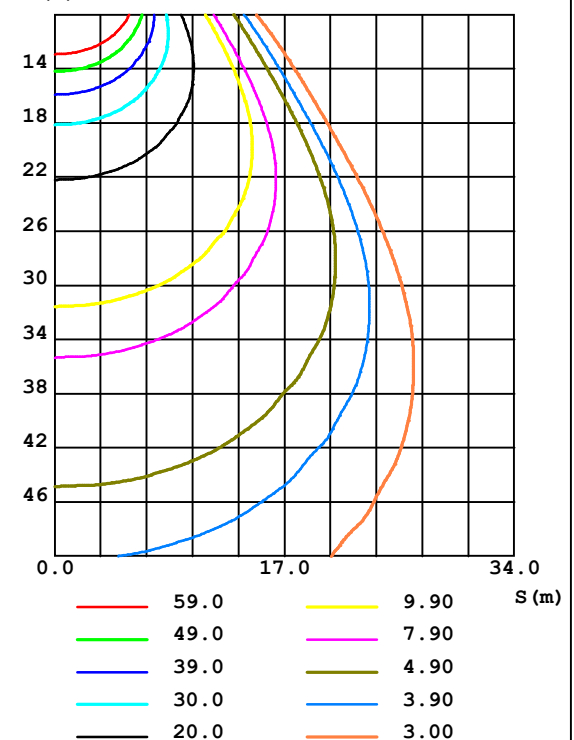
|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP                |       | PHOTOMETRIC DATA Eff: 123.84 lm/W |        |                    |          |
|-----------------------------|-------|-----------------------------------|--------|--------------------|----------|
| MODEL-UHD-CORE-MV-150BK-5CP |       | I <sub>max</sub> (cd)             | 9707   | S/MH (C0/180)      | 1.25     |
| NOMINAL POWER(W)            | 152   | LOR(%)                            | 100.0  | S/MH (C90/270)     | 1.26     |
| RATED VOLTAGE(V)            | 120   | TOTAL FLUX(lm)                    | 18491  | η UP,DN (C0-180)   | 0.2,51.3 |
| NOMINAL FLUX(lm)            | 18491 | CIE CLASS                         | DIRECT | η UP,DN (C180-360) | 0.1,48.5 |
| LAMPS INSIDE                | 1     | η up (%)                          | 0.3    | CIBSE SHR NOM      | 1.25     |
| TEST VOLTAGE(V)             | 119.9 | η down (%)                        | 99.7   | CIBSE SHR MAX      | 1.30     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



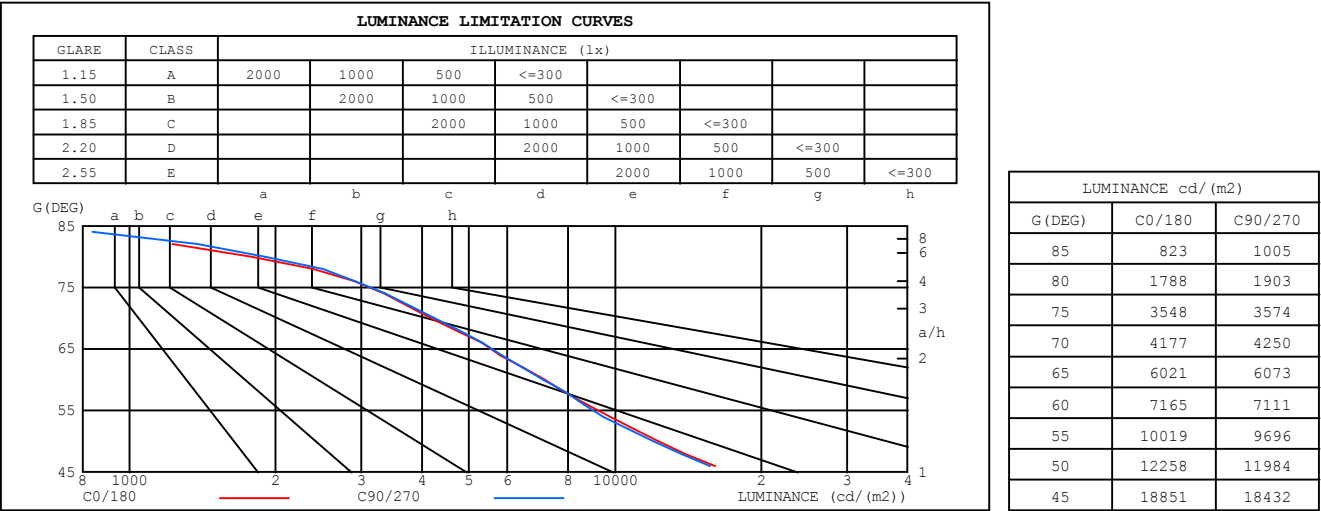
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C90   | C180  | C270   |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|--------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 9669                  | 9622  | 9643  | 9606   |  |  |  |  | 0- 10    | 922.6       | 922.6        | 4.99, 4.99 |
| 20       | 9420                  | 9449  | 9374  | 9163   |  |  |  |  | 10- 20   | 2699        | 3622         | 19.6, 19.6 |
| 30       | 8543                  | 8748  | 8403  | 7919   |  |  |  |  | 20- 30   | 4128        | 7750         | 41.9, 41.9 |
| 40       | 6251                  | 6458  | 6026  | 5349   |  |  |  |  | 30- 40   | 4610        | 12360        | 66.8, 66.8 |
| 50       | 2784                  | 2826  | 2753  | 2494   |  |  |  |  | 40- 50   | 3236        | 15595        | 84.3, 84.3 |
| 60       | 1266                  | 1304  | 1232  | 1171   |  |  |  |  | 50- 60   | 1682        | 17277        | 93.4, 93.4 |
| 70       | 504.8                 | 533.3 | 486.9 | 473.7  |  |  |  |  | 60- 70   | 823.7       | 18101        | 97.9, 97.9 |
| 80       | 109.7                 | 121.2 | 102.1 | 95.09  |  |  |  |  | 70- 80   | 303.7       | 18405        | 99.5, 99.5 |
| 90       | 1.502                 | 1.384 | 1.207 | 0.9748 |  |  |  |  | 80- 90   | 34.34       | 18439        | 99.7, 99.7 |
| 100      | 1.258                 | 1.621 | 1.108 | 0.9676 |  |  |  |  | 90-100   | 1.244       | 18440        | 99.7, 99.7 |
| 110      | 2.842                 | 2.877 | 1.812 | 1.775  |  |  |  |  | 100-110  | 1.819       | 18442        | 99.7, 99.7 |
| 120      | 6.337                 | 5.957 | 3.652 | 3.762  |  |  |  |  | 110-120  | 3.412       | 18446        | 99.8, 99.8 |
| 130      | 11.80                 | 11.13 | 7.499 | 7.647  |  |  |  |  | 120-130  | 6.334       | 18452        | 99.8, 99.8 |
| 140      | 16.96                 | 16.34 | 12.46 | 12.77  |  |  |  |  | 130-140  | 9.311       | 18461        | 99.8, 99.8 |
| 150      | 20.86                 | 20.59 | 17.47 | 17.73  |  |  |  |  | 140-150  | 10.59       | 18472        | 99.9, 99.9 |
| 160      | 23.55                 | 23.85 | 22.37 | 22.57  |  |  |  |  | 150-160  | 9.794       | 18482        | 99.9, 99.9 |
| 170      | 24.99                 | 25.58 | 24.96 | 24.79  |  |  |  |  | 160-170  | 6.840       | 18489        | 100, 100   |
| 180      | 25.41                 | 26.31 | 26.12 | 25.55  |  |  |  |  | 170-180  | 2.425       | 18491        | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |        |  |  |  |  |          | UNIT:lm     |              |            |



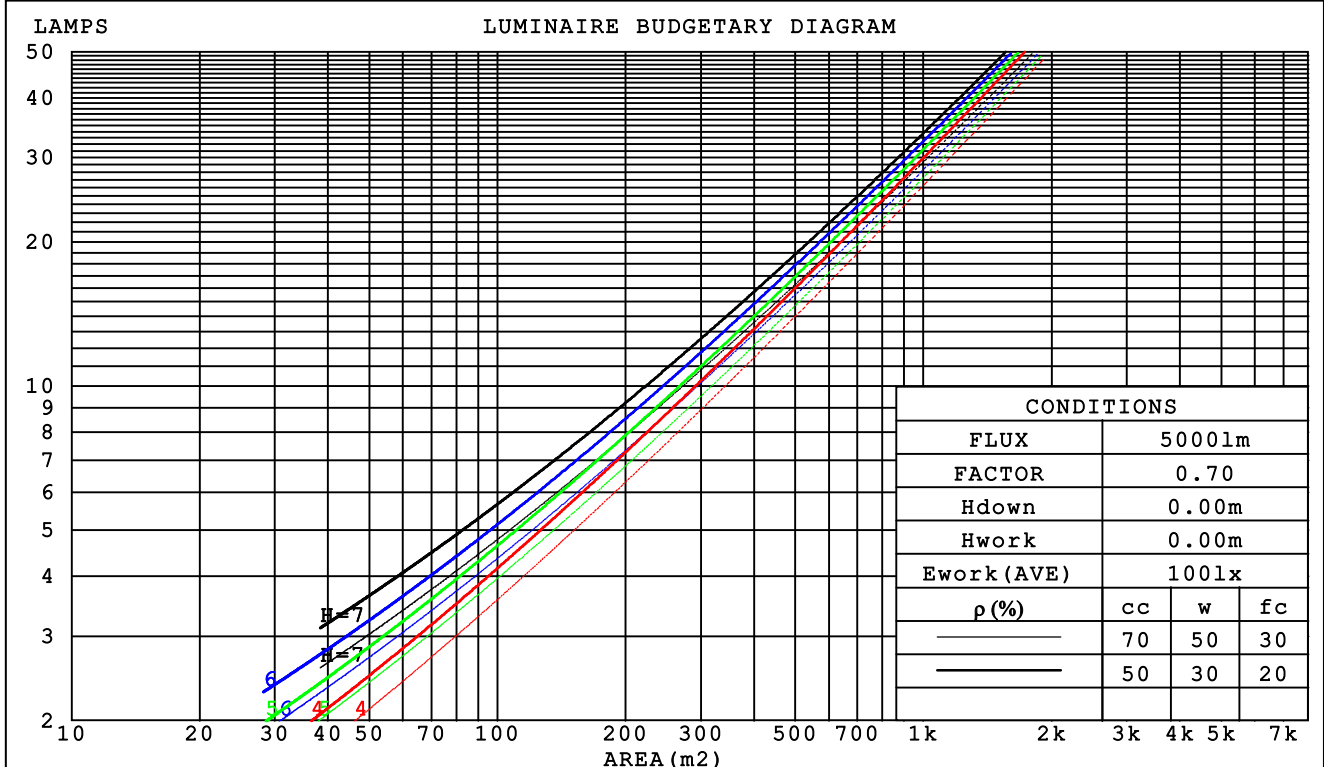
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:1849lx1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION 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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                |  |  |       |  |                   |
|----------------------------------------------------------------|--|--|-------|--|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |  |  |       |  |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                |  |  | TYPE: |  | WEIGHT:           |
| SPEC.:5000K                                                    |  |  | DIM.: |  | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        |  |  | SUR.: |  | PROTECTION ANGLE: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .231                  | .131 | .042 | .224 | .128 | .041 | .211                             | .121 | .039 | .199 | .115 | .037 | .188 | .109 | .035 |   |  |
| 2.0         | .225                  | .123 | .038 | .219 | .120 | .037 | .207                             | .115 | .036 | .197 | .110 | .035 | .187 | .106 | .033 |   |  |
| 3.0         | .214                  | .114 | .034 | .209 | .112 | .034 | .199                             | .108 | .033 | .190 | .104 | .032 | .181 | .100 | .031 |   |  |
| 4.0         | .203                  | .105 | .031 | .198 | .104 | .031 | .189                             | .100 | .030 | .181 | .097 | .029 | .174 | .095 | .029 |   |  |
| 5.0         | .192                  | .098 | .028 | .187 | .096 | .028 | .180                             | .094 | .028 | .173 | .091 | .027 | .166 | .089 | .027 |   |  |
| 6.0         | .181                  | .091 | .026 | .177 | .090 | .026 | .171                             | .087 | .025 | .164 | .085 | .025 | .158 | .083 | .025 |   |  |
| 7.0         | .171                  | .085 | .024 | .168 | .084 | .024 | .162                             | .082 | .024 | .156 | .080 | .023 | .151 | .078 | .023 |   |  |
| 8.0         | .162                  | .079 | .022 | .159 | .078 | .022 | .154                             | .077 | .022 | .149 | .075 | .022 | .144 | .074 | .022 |   |  |
| 9.0         | .154                  | .074 | .021 | .151 | .074 | .021 | .146                             | .072 | .021 | .142 | .071 | .020 | .137 | .070 | .020 |   |  |
| 10.0        | .146                  | .070 | .019 | .144 | .070 | .019 | .139                             | .068 | .019 | .135 | .067 | .019 | .131 | .066 | .019 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .193                  | .193 | .193 | .165 | .165 | .165 | .112                                       | .112 | .112 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0         | .177                  | .159 | .143 | .151 | .136 | .123 | .104                                       | .094 | .085 | .060 | .054 | .049 | .019 | .017 | .016 |   |
| 2.0         | .165                  | .134 | .108 | .142 | .116 | .094 | .097                                       | .080 | .065 | .056 | .047 | .038 | .018 | .015 | .012 |   |
| 3.0         | .156                  | .116 | .084 | .134 | .100 | .073 | .092                                       | .070 | .051 | .053 | .041 | .030 | .017 | .013 | .010 |   |
| 4.0         | .148                  | .102 | .067 | .127 | .088 | .059 | .087                                       | .062 | .041 | .050 | .036 | .024 | .016 | .012 | .008 |   |
| 5.0         | .140                  | .091 | .055 | .120 | .079 | .048 | .083                                       | .055 | .034 | .048 | .032 | .020 | .015 | .011 | .007 |   |
| 6.0         | .133                  | .083 | .046 | .115 | .071 | .040 | .079                                       | .050 | .028 | .046 | .029 | .017 | .015 | .010 | .006 |   |
| 7.0         | .127                  | .075 | .039 | .109 | .065 | .034 | .076                                       | .046 | .024 | .044 | .027 | .014 | .014 | .009 | .005 |   |
| 8.0         | .121                  | .070 | .034 | .105 | .060 | .030 | .072                                       | .042 | .021 | .042 | .025 | .012 | .014 | .008 | .004 |   |
| 9.0         | .116                  | .065 | .030 | .100 | .056 | .026 | .069                                       | .039 | .018 | .040 | .023 | .011 | .013 | .008 | .004 |   |
| 10.0        | .111                  | .060 | .027 | .096 | .052 | .023 | .067                                       | .037 | .016 | .039 | .022 | .010 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity:65.0%  
 Test Distance:18.400m [K=1.0000]  
 Remarks:

## Uncorrected UGR Table

|                                                                |                  |      |      |      |       |                |      |                   |      |      |
|----------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|-------------------|------|------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |                  |      |      |      |       |                |      |                   |      |      |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                |                  |      |      |      | TYPE: |                |      | WEIGHT:           |      |      |
| SPEC.:5000K                                                    |                  |      |      |      | DIM.: |                |      | SERIAL No.:027    |      |      |
| MFR.: ASD Lighting Corp                                        |                  |      |      |      | SUR.: |                |      | PROTECTION 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                                                  | 20.1             | 21.3 | 20.3 | 21.5 | 21.7  | 20.0           | 21.3 | 20.3              | 21.5 | 21.7 |
| 3H                                                             | 20.3             | 21.5 | 20.6 | 21.7 | 21.9  | 20.3           | 21.4 | 20.6              | 21.6 | 21.9 |
| 4H                                                             | 20.4             | 21.4 | 20.7 | 21.7 | 21.9  | 20.3           | 21.4 | 20.6              | 21.6 | 21.9 |
| 6H                                                             | 20.3             | 21.3 | 20.6 | 21.6 | 21.9  | 20.3           | 21.3 | 20.6              | 21.6 | 21.8 |
| 8H                                                             | 20.3             | 21.3 | 20.6 | 21.5 | 21.8  | 20.3           | 21.2 | 20.6              | 21.5 | 21.8 |
| 12H                                                            | 20.2             | 21.2 | 20.6 | 21.5 | 21.8  | 20.2           | 21.1 | 20.5              | 21.4 | 21.7 |
| 4H 2H                                                          | 20.1             | 21.2 | 20.4 | 21.5 | 21.7  | 20.1           | 21.2 | 20.4              | 21.4 | 21.6 |
| 3H                                                             | 20.5             | 21.4 | 20.8 | 21.7 | 22.0  | 20.4           | 21.4 | 20.8              | 21.7 | 22.0 |
| 4H                                                             | 20.6             | 21.4 | 20.9 | 21.7 | 22.1  | 20.5           | 21.4 | 20.9              | 21.7 | 22.0 |
| 6H                                                             | 20.6             | 21.3 | 21.0 | 21.7 | 22.0  | 20.5           | 21.3 | 20.9              | 21.6 | 22.0 |
| 8H                                                             | 20.5             | 21.2 | 20.9 | 21.6 | 22.0  | 20.5           | 21.2 | 20.9              | 21.6 | 22.0 |
| 12H                                                            | 20.5             | 21.1 | 20.9 | 21.5 | 21.9  | 20.5           | 21.1 | 20.9              | 21.5 | 21.9 |
| 8H 4H                                                          | 20.5             | 21.2 | 20.9 | 21.6 | 22.0  | 20.5           | 21.2 | 20.9              | 21.6 | 21.9 |
| 6H                                                             | 20.6             | 21.1 | 21.0 | 21.5 | 22.0  | 20.5           | 21.1 | 21.0              | 21.5 | 21.9 |
| 8H                                                             | 20.5             | 21.0 | 21.0 | 21.5 | 21.9  | 20.5           | 21.0 | 21.0              | 21.4 | 21.9 |
| 12H                                                            | 20.5             | 20.9 | 21.0 | 21.4 | 21.8  | 20.5           | 20.9 | 21.0              | 21.3 | 21.8 |
| 12H 4H                                                         | 20.5             | 21.1 | 20.9 | 21.5 | 21.9  | 20.5           | 21.1 | 20.9              | 21.5 | 21.9 |
| 6H                                                             | 20.5             | 21.0 | 21.0 | 21.4 | 21.9  | 20.5           | 21.0 | 21.0              | 21.4 | 21.9 |
| 8H                                                             | 20.5             | 20.9 | 21.0 | 21.4 | 21.8  | 20.5           | 20.9 | 21.0              | 21.4 | 21.8 |
| Variations with the observer position at spacings:             |                  |      |      |      |       |                |      |                   |      |      |
| S = 1.0H                                                       | + 1.2 / - 1.9    |      |      |      |       | + 1.2 / - 1.8  |      |                   |      |      |
| 1.5H                                                           | + 1.5 / - 1.3    |      |      |      |       | + 1.5 / - 1.3  |      |                   |      |      |
| 2.0H                                                           | + 2.5 / - 1.9    |      |      |      |       | + 2.4 / - 1.8  |      |                   |      |      |

CIE Pub.117 Corrected 18491 lm Total Lamp Luminous Flux. (8log(F/F0) = 10.1)

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION ANGLE: |

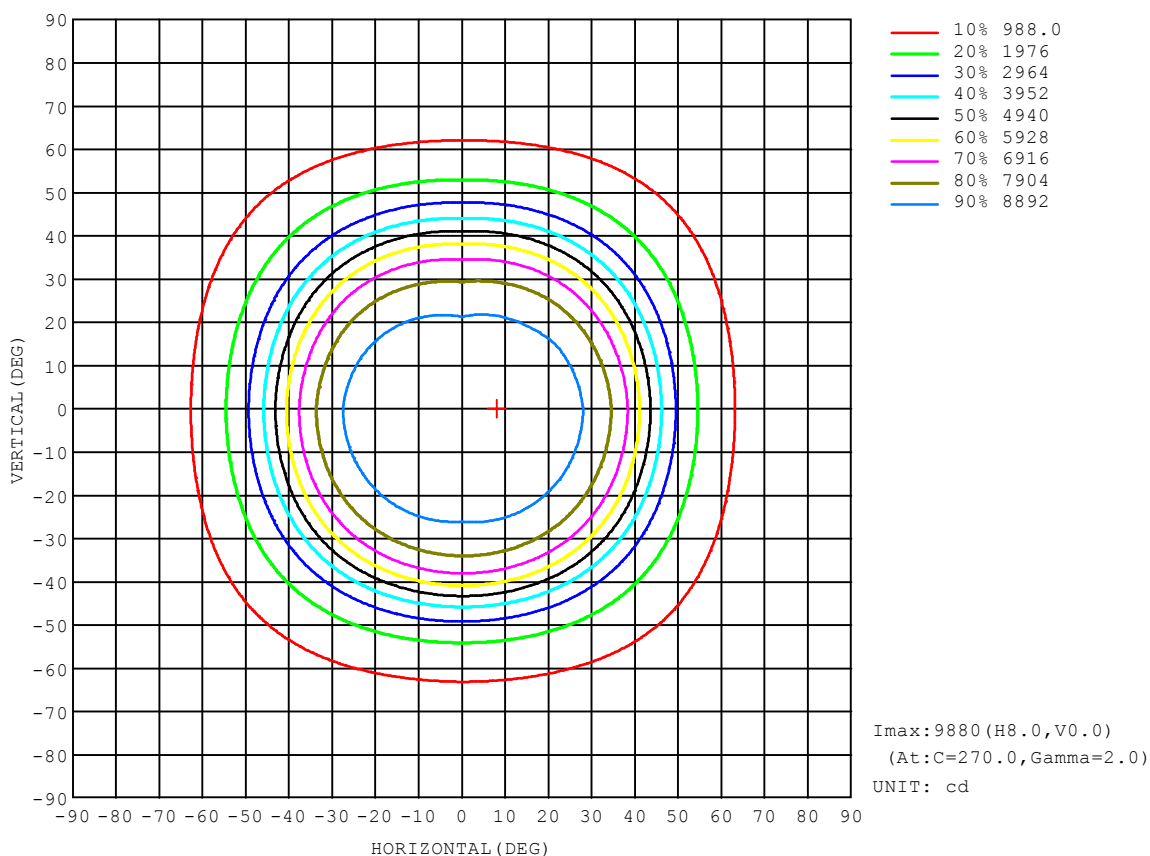
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 71                                                   | 61  | 56        | 70  | 61  | 56  | 69  | 61            | 55  | 50     |
| 0.80                             | 80                                                   | 71  | 66        | 79  | 71  | 65  | 78  | 70            | 65  | 60     |
| 1.00                             | 88                                                   | 79  | 74        | 87  | 79  | 73  | 85  | 79            | 73  | 67     |
| 1.25                             | 94                                                   | 86  | 81        | 92  | 85  | 80  | 90  | 84            | 79  | 74     |
| 1.50                             | 98                                                   | 90  | 85        | 96  | 90  | 85  | 93  | 88            | 84  | 78     |
| 2.00                             | 103                                                  | 96  | 92        | 101 | 95  | 91  | 98  | 93            | 90  | 83     |
| 2.50                             | 105                                                  | 100 | 95        | 103 | 98  | 94  | 100 | 96            | 93  | 85     |
| 3.00                             | 108                                                  | 103 | 99        | 106 | 101 | 98  | 102 | 98            | 95  | 88     |
| 4.00                             | 110                                                  | 106 | 103       | 108 | 105 | 102 | 104 | 101           | 99  | 91     |
| 5.00                             | 112                                                  | 109 | 106       | 110 | 107 | 104 | 106 | 103           | 101 | 93     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
 Humidity:65.0%  
 Test Distance:18.400m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION ANGLE: |

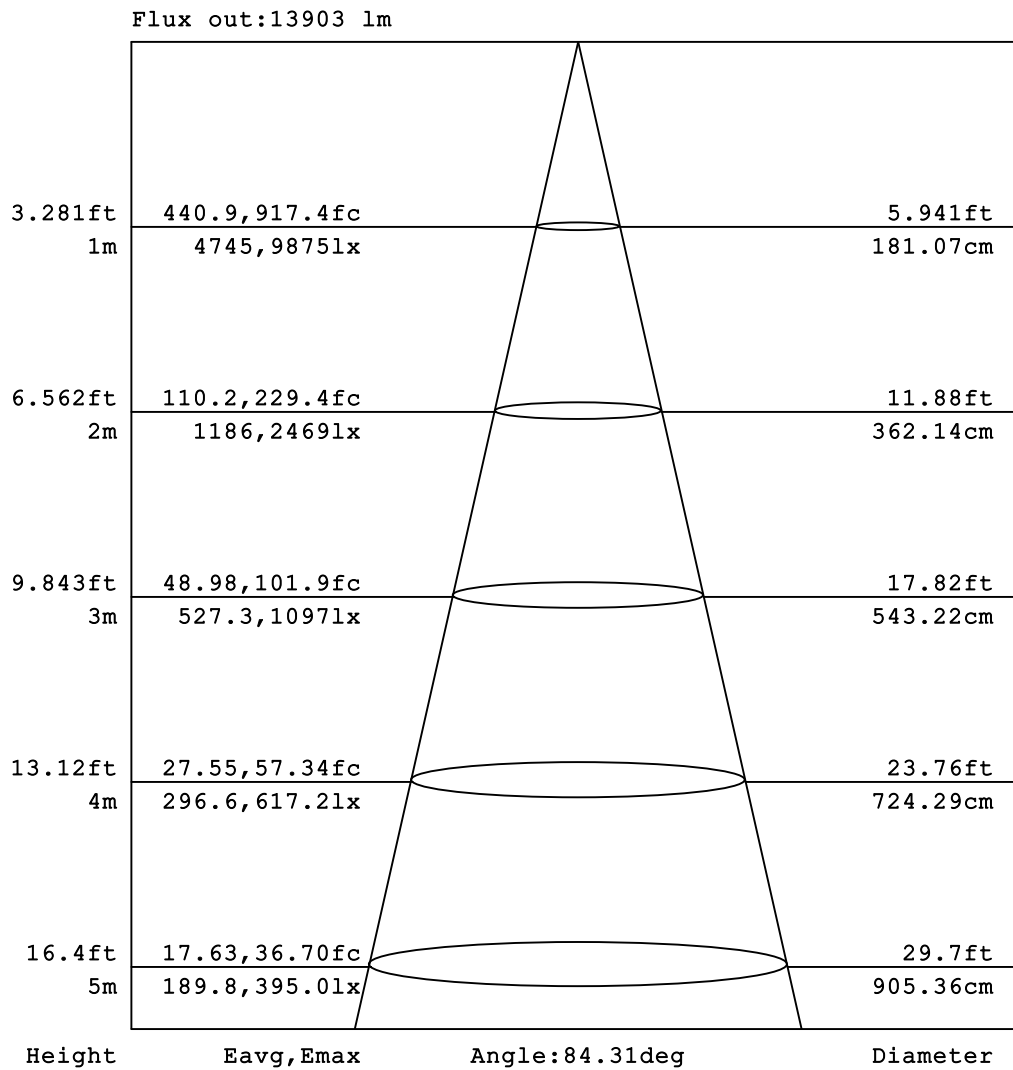


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:

AAI Figure

|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION ANGLE: |



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

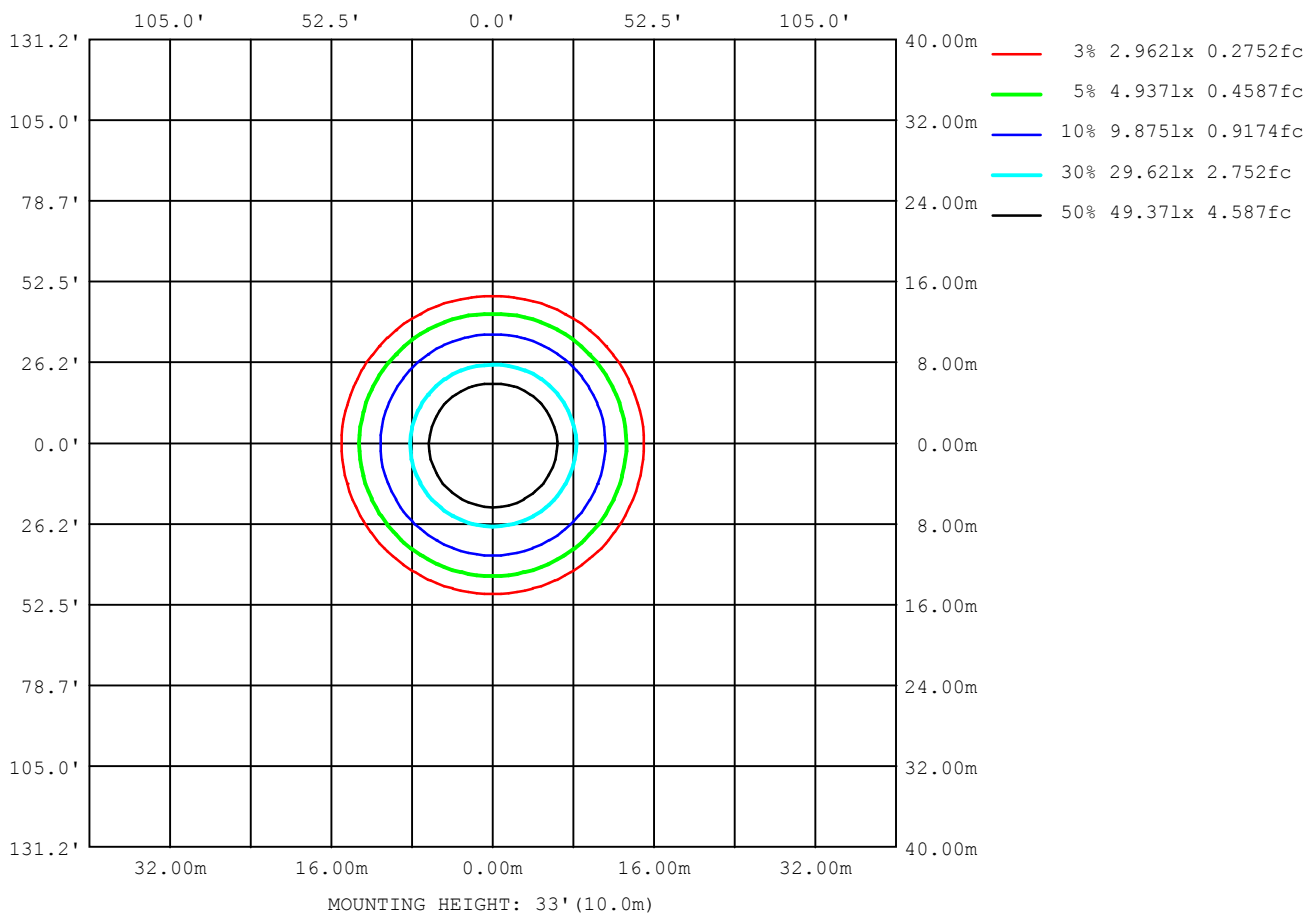
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:



## ISOLUX DIAGRAM

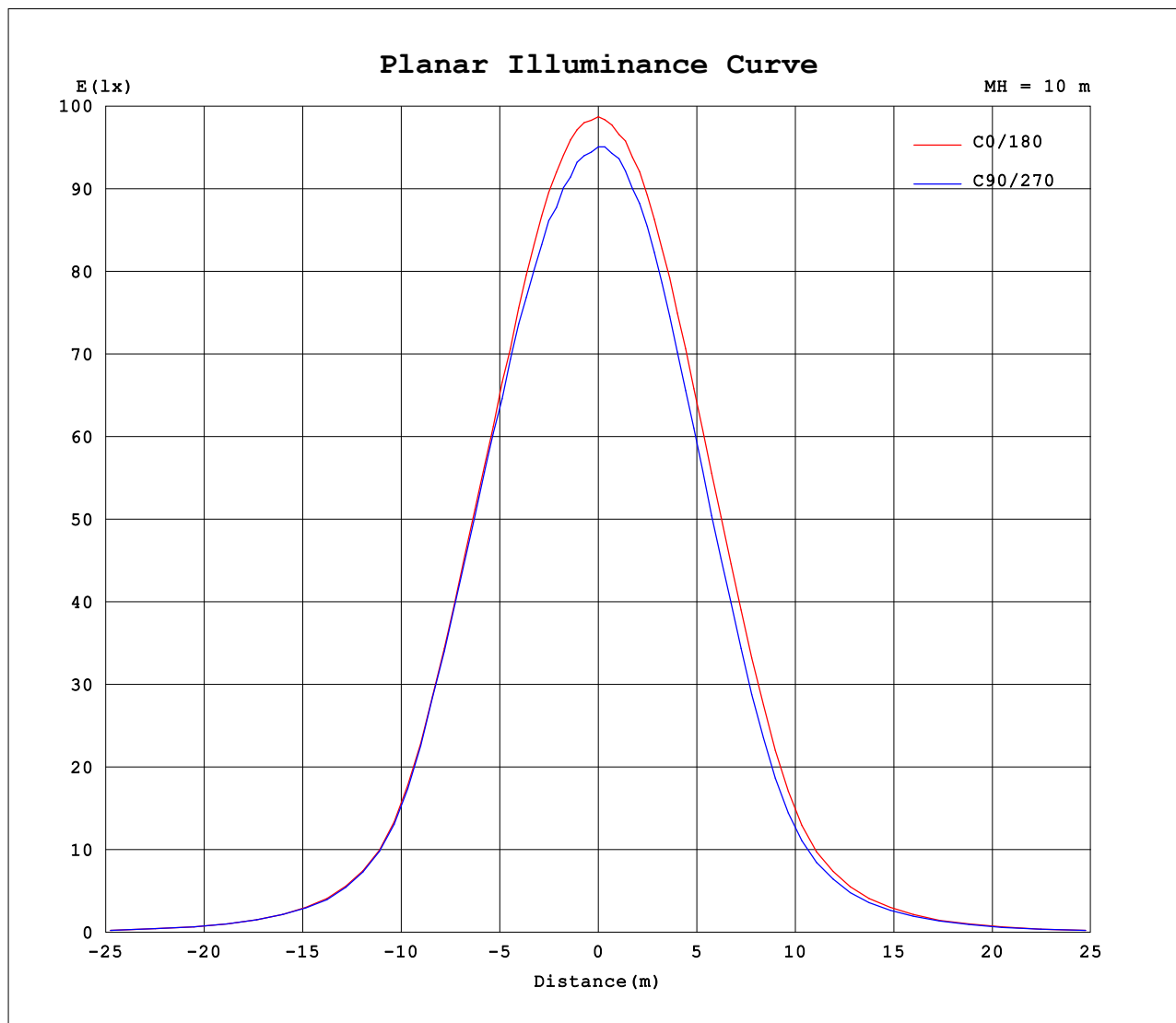
|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-06-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity: 65.0%  
Test Distance: 18.400m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                |       |                   |
|----------------------------------------------------------------|-------|-------------------|
| Test:U:119.9V I:1.336A P:149.3W PF:0.9320 Lamp Flux:18491x1 lm |       |                   |
| NAME: ASD-UHD-CORE-MV-150BK-5CP                                | TYPE: | WEIGHT:           |
| SPEC.:5000K                                                    | DIM.: | SERIAL No.:027    |
| MFR.: ASD Lighting Corp                                        | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 9693 | 9693 | 9693 | 9693 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 9698 | 9657 | 9668 | 9686 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 9669 | 9622 | 9643 | 9606 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 9629 | 9615 | 9592 | 9537 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 9420 | 9449 | 9374 | 9163 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 9101 | 9279 | 9100 | 8776 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 8543 | 8748 | 8403 | 7919 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 7887 | 8079 | 7688 | 7142 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 6251 | 6458 | 6026 | 5349 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 4710 | 4782 | 4525 | 3983 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 2784 | 2826 | 2753 | 2494 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 2031 | 2040 | 2020 | 1832 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 1266 | 1304 | 1232 | 1171 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 899  | 942  | 858  | 852  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 505  | 533  | 487  | 474  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 325  | 339  | 313  | 302  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 110  | 121  | 102  | 95.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 25.4 | 32.2 | 25.2 | 23.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 1.50 | 1.38 | 1.21 | 0.97 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 1.18 | 1.20 | 0.98 | 0.97 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 1.26 | 1.62 | 1.11 | 0.97 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 1.71 | 2.20 | 1.28 | 1.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 2.84 | 2.88 | 1.81 | 1.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 3.95 | 3.76 | 2.39 | 2.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 6.34 | 5.96 | 3.65 | 3.76 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 8.45 | 7.82 | 4.91 | 5.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 11.8 | 11.1 | 7.50 | 7.65 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 13.8 | 13.4 | 9.44 | 9.67 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 17.0 | 16.3 | 12.5 | 12.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 18.7 | 18.2 | 14.5 | 14.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 20.9 | 20.6 | 17.5 | 17.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 22.1 | 22.1 | 19.7 | 19.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 23.6 | 23.9 | 22.4 | 22.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 24.3 | 24.8 | 23.7 | 23.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 25.0 | 25.6 | 25.0 | 24.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 25.2 | 25.8 | 25.5 | 25.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 25.4 | 26.3 | 26.1 | 25.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-06-14

γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.281  
Humidity:65.0%  
Test Distance:18.400m [K=1.0000]  
Remarks: