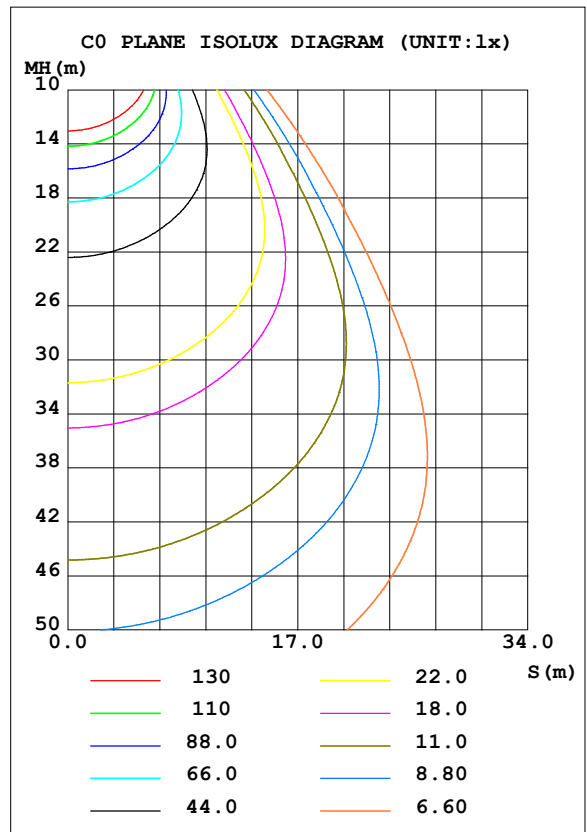
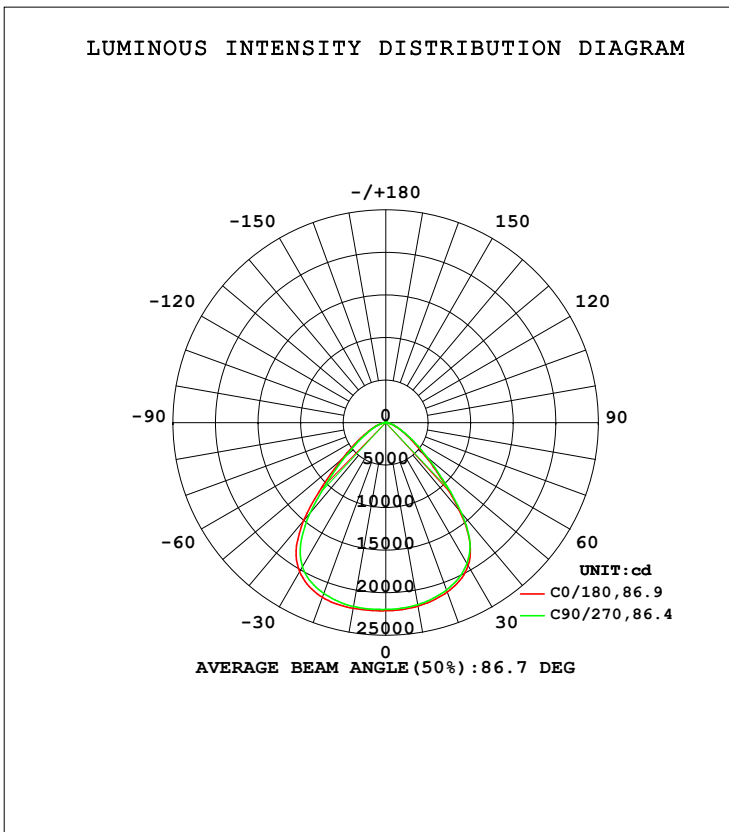


LUMINAIRE PHOTOMETRIC TEST REPORT

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 145.83 lm/W |        |  |          |
|-------------------|---------|-----------------------------------|--------|--|----------|
| MODEL             |         | I <sub>max</sub> (cd)             | 22149  | S/MH (C0/180)                              | 1.27     |
| NOMINAL POWER (W) | 300     | LOR (%)                           | 100.0  | S/MH (C90/270)                             | 1.23     |
| RATED VOLTAGE (V) | 120     | TOTAL FLUX (lm)                   | 43017  | <input type="checkbox"/> UP, DN (C0-180)   | 0.5,49.1 |
| NOMINAL FLUX (lm) | 43017.4 | CIE CLASS                         | DIRECT | <input type="checkbox"/> UP, DN (C180-360) | 0.5,50.0 |
| LAMPS INSIDE      | 1       | <input type="checkbox"/> up (%)   | 1.0    | CIBSE SHR NOM                              | 1.25     |
| TEST VOLTAGE (V)  | 120     | <input type="checkbox"/> down (%) | 99.0   | CIBSE SHR MAX                              | 1.30     |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: lianghaizhu  
 Test Date: 2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| mm  | C0                       | C45   | C90   | C135  | C180  | C225  | C270  | C315  | mm      | □ zone  | □ total | %lum, lamp |
|-----|--------------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10  | 2189                     | 2175  | 2172  | 2182  | 2215  | 2209  | 2194  | 2174  | 0- 10   | 2095    | 2095    | 4.87,4.87  |
| 20  | 2118                     | 2091  | 2092  | 2125  | 2184  | 2175  | 2135  | 2104  | 10- 20  | 6125    | 8220    | 19.1,19.1  |
| 30  | 1937                     | 1894  | 1910  | 1960  | 2023  | 2017  | 1958  | 1915  | 20- 30  | 9490    | 17710   | 41.2,41.2  |
| 40  | 1350                     | 1309  | 1380  | 1490  | 1507  | 1465  | 1382  | 1291  | 30- 40  | 10764   | 28474   | 66.2,66.2  |
| 50  | 602.6                    | 592.5 | 645.7 | 685.3 | 684.1 | 679.7 | 619.1 | 579.4 | 40- 50  | 7506    | 35980   | 83.6,83.6  |
| 60  | 261.5                    | 261.8 | 282.2 | 302.7 | 296.6 | 302.8 | 269.1 | 252.8 | 50- 60  | 3859    | 39839   | 92.6,92.6  |
| 70  | 110.0                    | 109.5 | 119.2 | 129.0 | 124.2 | 127.3 | 113.3 | 106.0 | 60- 70  | 1852    | 41691   | 96.9,96.9  |
| 80  | 33.88                    | 33.63 | 38.30 | 41.31 | 37.56 | 38.68 | 33.77 | 31.10 | 70- 80  | 762.9   | 42454   | 98.7,98.7  |
| 90  | 1.551                    | 1.645 | 1.486 | 1.663 | 1.331 | 1.507 | 1.370 | 1.486 | 80- 90  | 152.9   | 42607   | 99,99      |
| 100 | 2.176                    | 2.182 | 2.051 | 1.950 | 1.876 | 1.845 | 1.945 | 2.034 | 90-100  | 17.70   | 42624   | 99.1,99.1  |
| 110 | 3.792                    | 3.794 | 3.601 | 3.427 | 3.332 | 3.267 | 3.426 | 3.576 | 100-110 | 28.67   | 42653   | 99.2,99.2  |
| 120 | 5.895                    | 5.893 | 5.662 | 5.428 | 5.312 | 5.210 | 5.416 | 5.597 | 110-120 | 44.60   | 42698   | 99.3,99.3  |
| 130 | 8.239                    | 8.203 | 7.987 | 7.690 | 7.618 | 7.456 | 7.728 | 7.892 | 120-130 | 59.81   | 42758   | 99.4,99.4  |
| 140 | 10.44                    | 10.45 | 10.23 | 9.935 | 9.925 | 9.802 | 10.04 | 10.21 | 130-140 | 69.43   | 42827   | 99.6,99.6  |
| 150 | 12.36                    | 12.43 | 12.20 | 11.92 | 12.05 | 11.93 | 12.19 | 12.32 | 140-150 | 69.88   | 42897   | 99.7,99.7  |
| 160 | 14.49                    | 14.45 | 14.35 | 13.99 | 14.37 | 14.15 | 14.47 | 14.50 | 150-160 | 60.94   | 42958   | 99.9,99.9  |
| 170 | 16.58                    | 16.44 | 16.43 | 16.13 | 16.53 | 16.25 | 16.55 | 16.46 | 160-170 | 43.44   | 43001   | 100,100    |
| 180 | 17.58                    | 17.41 | 17.50 | 17.34 | 17.63 | 17.36 | 17.55 | 17.31 | 170-180 | 16.13   | 43017   | 100,100    |
| DEG | LUMINOUS INTENSITY:×10cd |       |       |       |       |       |       |       |         | UNIT:lm |         |            |

Conical surface Flux(90deg): 32807 lm

%lum = 76.3%

%lamp = 76.3%

Conical surface Flux(120deg): 39839 lm

%lum = 92.6%

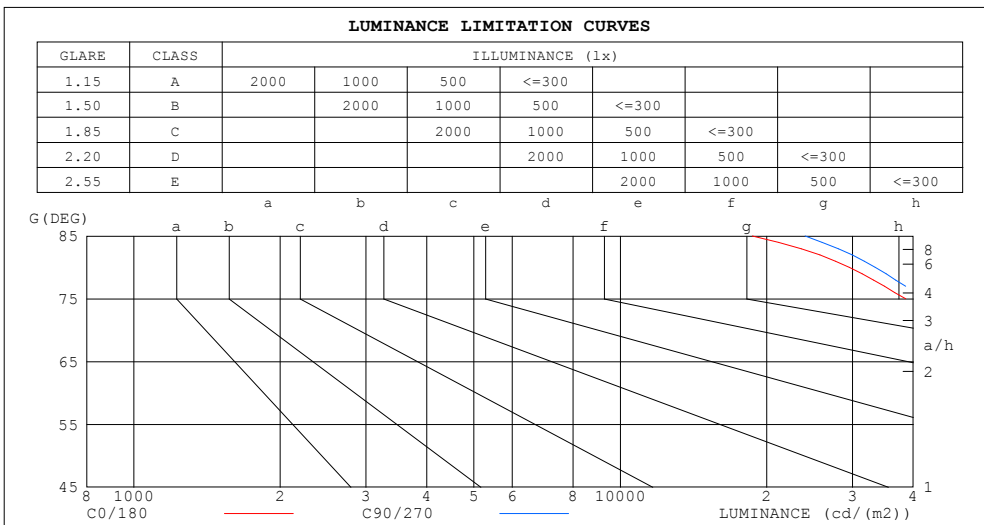
%lamp = 92.6%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 18668  | 23991   |
| 80                | 29561  | 33415   |
| 75                | 38607  | 42585   |
| 70                | 48717  | 52817   |
| 65                | 61300  | 66025   |
| 60                | 79255  | 85519   |
| 55                | 104942 | 113189  |
| 50                | 142053 | 152194  |
| 45                | 195277 | 205003  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |

|                             |                       |                |                                  |                |                |   |
|-----------------------------|-----------------------|----------------|----------------------------------|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%                   | 70%            | 50%                              | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%           | 50% 30% 10%    | 50% 30% 10%                      | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%                   | 20%            | 20%                              | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio |                | Wall Exitance Coefficients (WEC) |                |                |   |
| 0.0                         |                       |                |                                  |                |                |   |
| 1.0                         | .233 .133 .042        | .226 .129 .041 | .213 .122 .039                   | .200 .116 .037 | .189 .110 .035 |   |
| 2.0                         | .226 .124 .038        | .220 .121 .037 | .208 .116 .036                   | .198 .111 .035 | .188 .106 .033 |   |
| 3.0                         | .215 .115 .034        | .210 .112 .034 | .200 .108 .033                   | .190 .104 .032 | .181 .100 .031 |   |
| 4.0                         | .203 .106 .031        | .199 .104 .031 | .190 .101 .030                   | .181 .097 .029 | .174 .094 .029 |   |
| 5.0                         | .192 .098 .028        | .188 .097 .028 | .180 .094 .028                   | .173 .091 .027 | .166 .089 .027 |   |
| 6.0                         | .182 .091 .026        | .178 .090 .026 | .171 .088 .025                   | .164 .085 .025 | .158 .083 .025 |   |
| 7.0                         | .172 .085 .024        | .168 .084 .024 | .162 .082 .024                   | .156 .080 .023 | .151 .078 .023 |   |
| 8.0                         | .163 .079 .022        | .160 .079 .022 | .154 .077 .022                   | .149 .075 .022 | .144 .074 .021 |   |
| 9.0                         | .154 .075 .021        | .152 .074 .021 | .146 .072 .021                   | .142 .071 .020 | .137 .070 .020 |   |
| 10.0                        | .147 .070 .020        | .144 .070 .019 | .139 .068 .019                   | .135 .067 .019 | .131 .066 .019 |   |

|                             |                       |                |   |                |                |   |
|-----------------------------|-----------------------|----------------|---|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%                   | 70%            | 50%   | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%           | 50% 30% 10%    | 50% 30% 10%                                 | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%                   | 20%            | 20%   | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio |                | Ceiling Cavity Exitance Coefficients (CCEC) |                |                |   |
| 0.0                         | .198 .198 .198        | .169 .169 .169 | .115 .115 .115                              | .066 .066 .066 | .021 .021 .021 |   |
| 1.0                         | .182 .164 .148        | .156 .141 .127 | .107 .097 .088                              | .061 .056 .051 | .020 .018 .017 |   |
| 2.0                         | .171 .140 .113        | .146 .120 .098 | .100 .083 .068                              | .058 .048 .040 | .019 .016 .013 |   |
| 3.0                         | .161 .121 .089        | .138 .105 .078 | .095 .073 .054                              | .055 .042 .032 | .018 .014 .011 |   |
| 4.0                         | .153 .107 .073        | .131 .093 .063 | .090 .065 .044                              | .052 .038 .026 | .017 .012 .009 |   |
| 5.0                         | .146 .097 .060        | .125 .084 .052 | .086 .058 .037                              | .050 .034 .022 | .016 .011 .007 |   |
| 6.0                         | .139 .088 .051        | .119 .076 .045 | .082 .053 .032                              | .048 .031 .019 | .015 .010 .006 |   |
| 7.0                         | .133 .081 .044        | .114 .070 .039 | .079 .049 .027                              | .046 .029 .016 | .015 .009 .005 |   |
| 8.0                         | .127 .075 .039        | .109 .065 .034 | .076 .046 .024                              | .044 .027 .014 | .014 .009 .005 |   |
| 9.0                         | .122 .070 .035        | .105 .061 .031 | .073 .043 .022                              | .042 .025 .013 | .014 .008 .004 |   |
| 10.0                        | .117 .066 .032        | .101 .057 .028 | .070 .040 .020                              | .041 .024 .012 | .013 .008 .004 |   |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                  |      |      |      |                 |                |      |                  |      |      |
|---|------------------|------|------|------|-----------------|----------------|------|------------------|------|------|
| NAME: ASD-UHB3-300DAC-BK-5000K  |                  |      |      |      | TYPE:           |                |      | WEIGHT:          |      |      |
| SPEC.:  |                  |      |      |      | DIM.:           |                |      | SERIAL No.:      |      |      |
| MFR.: ASD LIGHTING CORP   |                  |      |      |      | SUR.:0.29*0.29m |                |      | 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   | 28.2             | 29.4 | 28.4 | 29.6 | 29.8            | 28.4           | 29.6 | 28.6             | 29.8 | 30.0 |
| 3H  | 28.4             | 29.6 | 28.7 | 29.8 | 30.0            | 28.6           | 29.8 | 28.9             | 30.0 | 30.3 |
| 4H  | 28.5             | 29.6 | 28.8 | 29.8 | 30.1            | 28.7           | 29.8 | 29.0             | 30.0 | 30.3 |
| 6H  | 28.5             | 29.5 | 28.8 | 29.8 | 30.1            | 28.7           | 29.7 | 29.1             | 30.0 | 30.3 |
| 8H  | 28.5             | 29.4 | 28.8 | 29.7 | 30.0            | 28.7           | 29.7 | 29.1             | 30.0 | 30.3 |
| 12H   | 28.4             | 29.4 | 28.8 | 29.7 | 30.0            | 28.7           | 29.6 | 29.0             | 29.9 | 30.2 |
| 4H 2H   | 28.2             | 29.3 | 28.5 | 29.6 | 29.8            | 28.4           | 29.5 | 28.7             | 29.7 | 30.0 |
| 3H  | 28.6             | 29.5 | 28.9 | 29.8 | 30.1            | 28.8           | 29.7 | 29.1             | 30.0 | 30.3 |
| 4H  | 28.7             | 29.5 | 29.1 | 29.9 | 30.2            | 28.9           | 29.8 | 29.3             | 30.1 | 30.4 |
| 6H  | 28.8             | 29.5 | 29.2 | 29.9 | 30.2            | 29.0           | 29.7 | 29.4             | 30.1 | 30.5 |
| 8H  | 28.8             | 29.4 | 29.2 | 29.8 | 30.2            | 29.0           | 29.7 | 29.4             | 30.1 | 30.5 |
| 12H   | 28.7             | 29.4 | 29.2 | 29.8 | 30.2            | 29.0           | 29.6 | 29.4             | 30.0 | 30.4 |
| 8H 4H   | 28.7             | 29.4 | 29.1 | 29.7 | 30.1            | 28.9           | 29.6 | 29.3             | 29.9 | 30.3 |
| 6H  | 28.8             | 29.3 | 29.2 | 29.8 | 30.2            | 29.0           | 29.6 | 29.5             | 30.0 | 30.4 |
| 8H  | 28.8             | 29.3 | 29.3 | 29.7 | 30.2            | 29.0           | 29.5 | 29.5             | 30.0 | 30.4 |
| 12H   | 28.8             | 29.2 | 29.3 | 29.7 | 30.2            | 29.1           | 29.5 | 29.5             | 29.9 | 30.4 |
| 12H 4H  | 28.6             | 29.3 | 29.1 | 29.7 | 30.1            | 28.8           | 29.5 | 29.3             | 29.9 | 30.3 |
| 6H  | 28.8             | 29.3 | 29.2 | 29.7 | 30.2            | 29.0           | 29.5 | 29.4             | 29.9 | 30.4 |
| 8H  | 28.8             | 29.2 | 29.3 | 29.7 | 30.2            | 29.0           | 29.4 | 29.5             | 29.9 | 30.4 |
| Variations with the observer position at spacings:                            |                  |      |      |      |                 |                |      |                  |      |      |
| S = 1.0H  | + 1.2 / - 1.7    |      |      |      |                 | + 1.1 / - 1.6  |      |                  |      |      |
| 1.5H  | + 1.4 / - 1.2    |      |      |      |                 | + 1.3 / - 1.2  |      |                  |      |      |
| 2.0H  | + 2.4 / - 1.9    |      |      |      |                 | + 2.4 / - 1.9  |      |                  |      |      |

CIE Pub.117, 43017 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 13.1$ )

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |

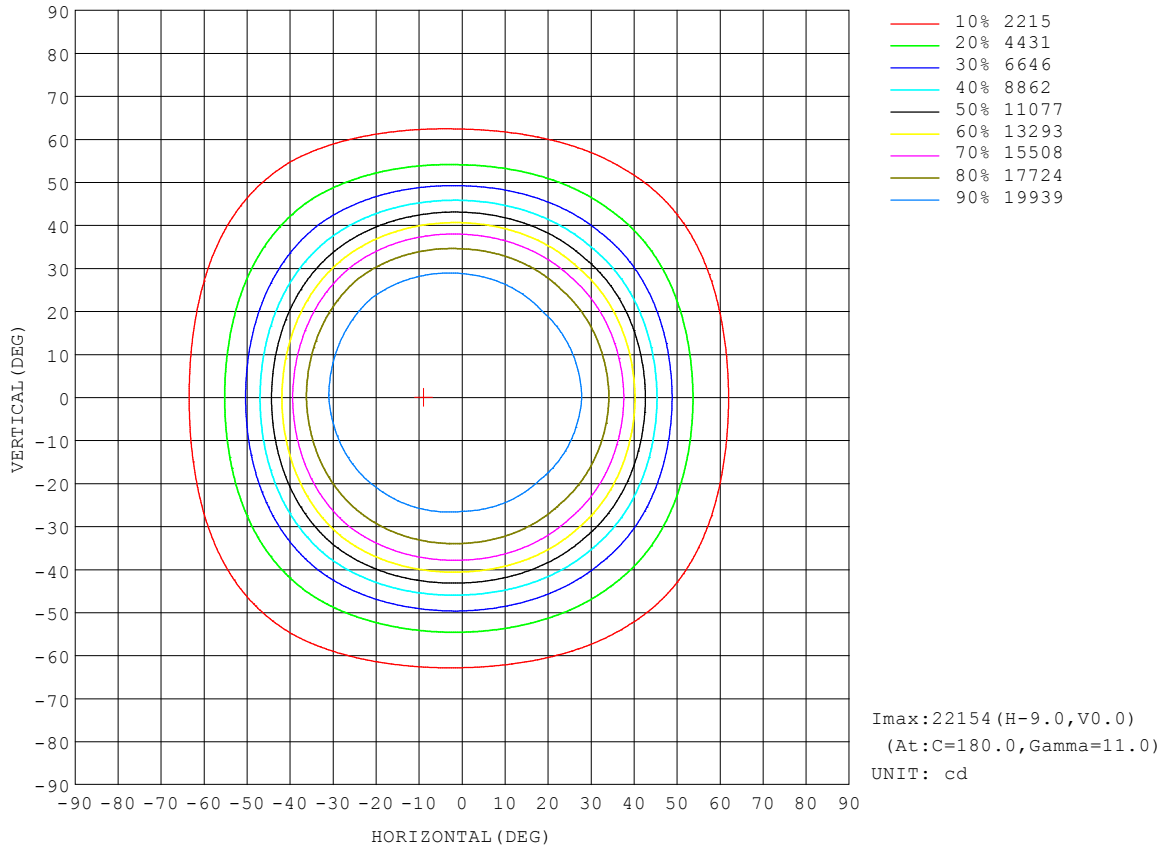
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |               |     |     |        |
| $k = 0.60$                       | 70   | 61  | 55        | 69  | 61  | 55  | 68            | 60  | 55  | 50     |
| 0.80                             | 80   | 71  | 65        | 79  | 70  | 65  | 77            | 70  | 65  | 59     |
| 1.00                             | 87   | 79  | 73        | 86  | 78  | 73  | 84            | 79  | 72  | 67     |
| 1.25                             | 93   | 85  | 80        | 92  | 85  | 80  | 89            | 83  | 79  | 73     |
| 1.50                             | 97   | 90  | 85        | 96  | 89  | 84  | 93            | 87  | 83  | 77     |
| 2.00                             | 102  | 96  | 91        | 101 | 95  | 91  | 97            | 93  | 89  | 82     |
| 2.50                             | 105  | 99  | 95        | 103 | 98  | 94  | 99            | 95  | 92  | 85     |
| 3.00                             | 107  | 102 | 98        | 105 | 101 | 97  | 101           | 98  | 95  | 87     |
| 4.00                             | 110  | 106 | 103       | 108 | 104 | 101 | 104           | 101 | 98  | 90     |
| 5.00                             | 112  | 108 | 105       | 109 | 106 | 104 | 105           | 103 | 100 | 92     |
| ROOM INDEX                       | UF(total)  |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |

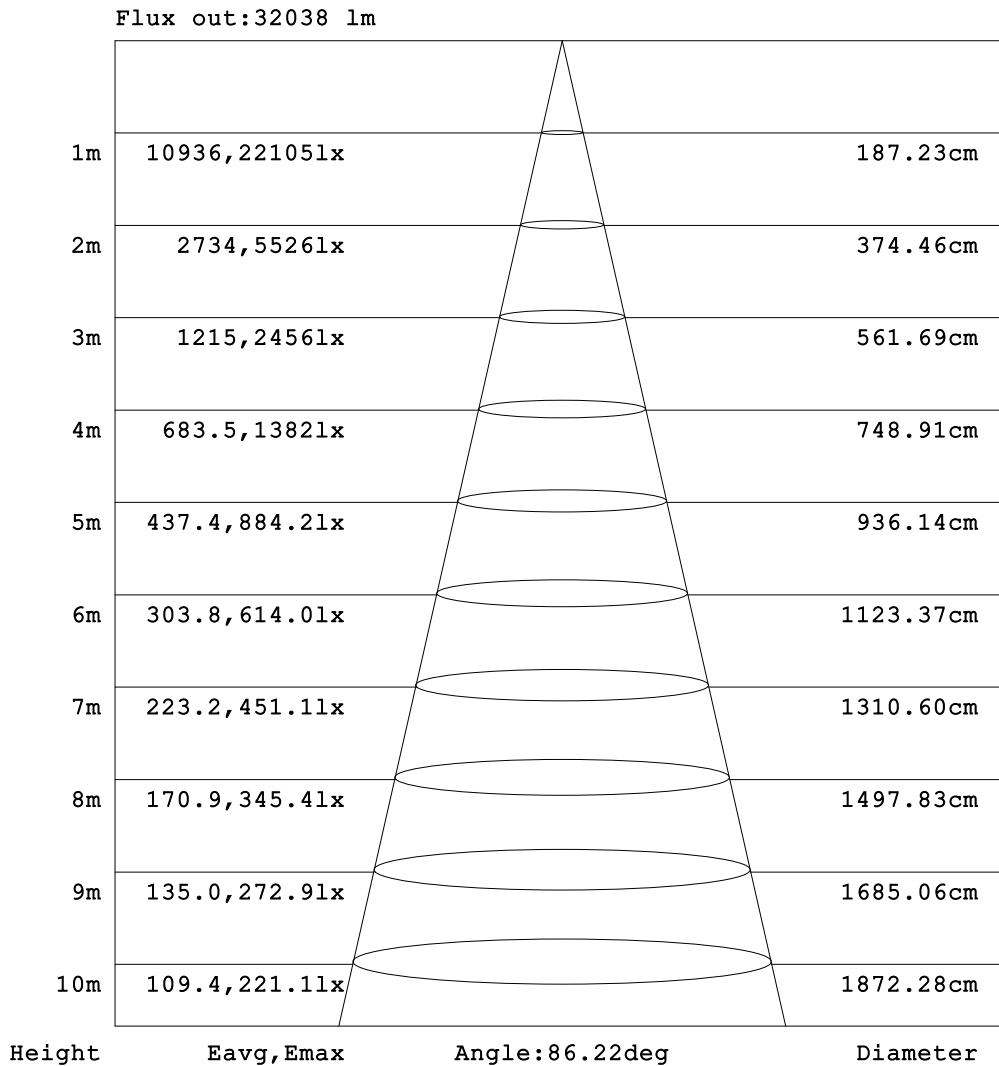


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

AAI Figure

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |



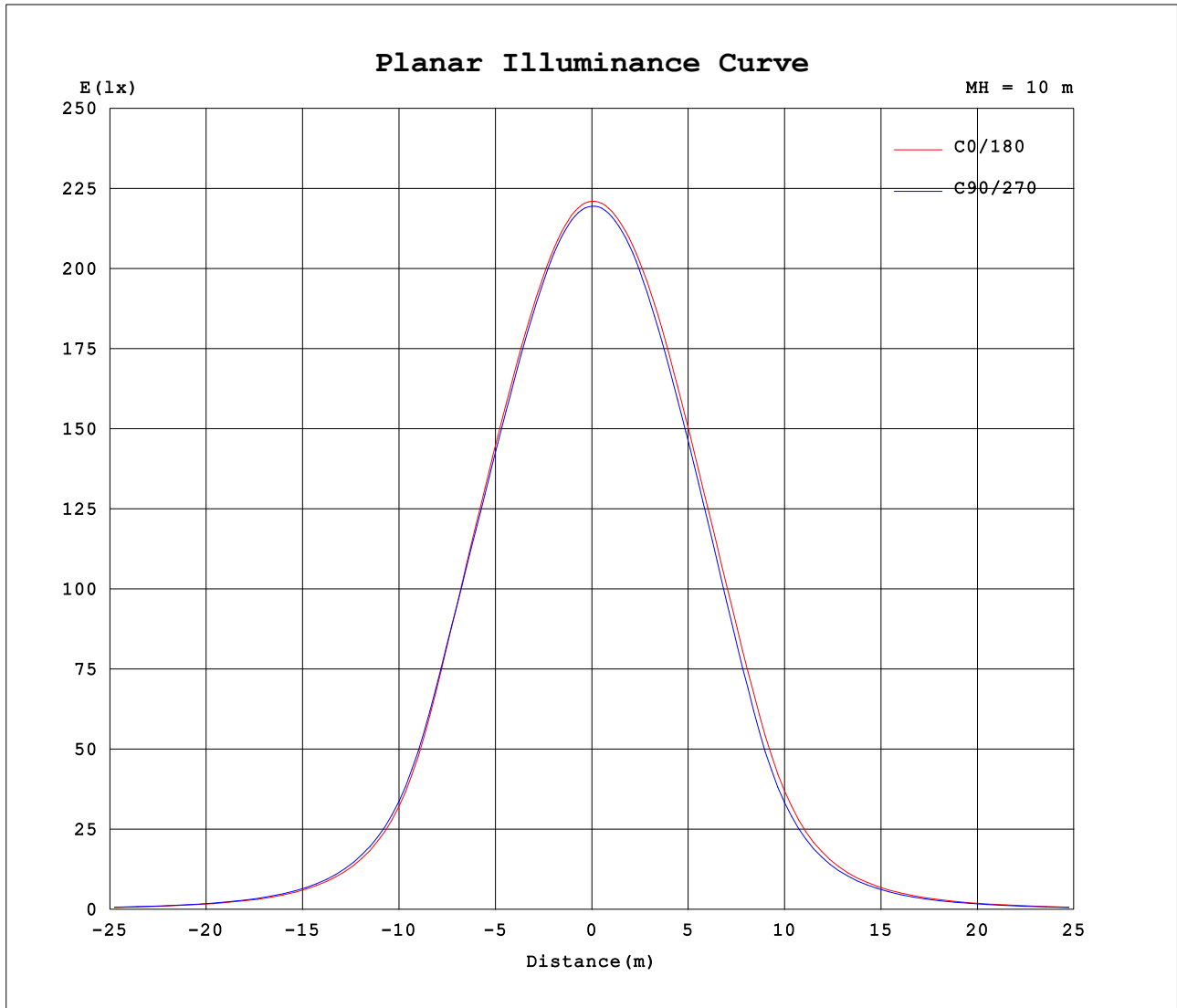
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:120.3V I:2.456A P:295.0W PF:0.9979 Freq:59.97Hz Lamp Flux:43017.4x1 lm |                 |                  |
| NAME: ASD-UHB3-300DAC-BK-5000K  | TYPE:           | WEIGHT:          |
| SPEC.:  | DIM.:           | SERIAL No.:      |
| MFR.: ASD LIGHTING CORP   | SUR.:0.29*0.29m | Shielding Angle: |

Table--1

UNIT: x10cd

| C (DEG)<br>□ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 2211 | 2202 | 2195 | 2189 | 2211 | 2202 | 2195 | 2189 |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 2204 | 2193 | 2189 | 2188 | 2214 | 2208 | 2198 | 2186 |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 2189 | 2175 | 2172 | 2182 | 2215 | 2209 | 2194 | 2174 |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 2161 | 2140 | 2140 | 2164 | 2209 | 2203 | 2175 | 2146 |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 2118 | 2091 | 2092 | 2125 | 2184 | 2175 | 2135 | 2104 |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 2052 | 2017 | 2022 | 2063 | 2128 | 2117 | 2071 | 2037 |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1937 | 1894 | 1910 | 1960 | 2023 | 2017 | 1958 | 1915 |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 1727 | 1678 | 1724 | 1783 | 1839 | 1831 | 1746 | 1690 |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 1350 | 1309 | 1380 | 1490 | 1507 | 1465 | 1382 | 1291 |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 911  | 892  | 957  | 1044 | 1048 | 1013 | 946  | 867  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 603  | 593  | 646  | 685  | 684  | 680  | 619  | 579  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 397  | 396  | 428  | 454  | 450  | 456  | 409  | 384  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 262  | 262  | 282  | 303  | 297  | 303  | 269  | 253  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 171  | 171  | 184  | 199  | 194  | 198  | 177  | 165  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 110  | 110  | 119  | 129  | 124  | 127  | 113  | 106  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 65.9 | 65.9 | 72.7 | 78.8 | 73.5 | 75.6 | 66.8 | 62.4 |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 33.9 | 33.6 | 38.3 | 41.3 | 37.6 | 38.7 | 33.8 | 31.1 |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 10.7 | 10.6 | 13.8 | 15.0 | 12.2 | 12.9 | 10.5 | 8.95 |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 1.55 | 1.65 | 1.49 | 1.66 | 1.33 | 1.51 | 1.37 | 1.49 |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 1.61 | 1.75 | 1.56 | 1.63 | 1.40 | 1.47 | 1.44 | 1.53 |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 2.18 | 2.18 | 2.05 | 1.95 | 1.88 | 1.85 | 1.94 | 2.03 |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 2.91 | 2.91 | 2.75 | 2.61 | 2.53 | 2.48 | 2.61 | 2.73 |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 3.79 | 3.79 | 3.60 | 3.43 | 3.33 | 3.27 | 3.43 | 3.58 |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 4.80 | 4.80 | 4.58 | 4.38 | 4.27 | 4.19 | 4.37 | 4.54 |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 5.89 | 5.89 | 5.66 | 5.43 | 5.31 | 5.21 | 5.42 | 5.60 |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 7.06 | 7.04 | 6.81 | 6.55 | 6.43 | 6.31 | 6.54 | 6.73 |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 8.24 | 8.20 | 7.99 | 7.69 | 7.62 | 7.46 | 7.73 | 7.89 |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 9.38 | 9.32 | 9.14 | 8.80 | 8.78 | 8.63 | 8.90 | 9.06 |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 10.4 | 10.5 | 10.2 | 9.94 | 9.93 | 9.80 | 10.0 | 10.2 |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 11.4 | 11.5 | 11.2 | 11.0 | 11.0 | 10.9 | 11.1 | 11.3 |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 12.4 | 12.4 | 12.2 | 11.9 | 12.1 | 11.9 | 12.2 | 12.3 |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 13.4 | 13.4 | 13.2 | 12.9 | 13.2 | 13.0 | 13.3 | 13.4 |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 14.5 | 14.4 | 14.4 | 14.0 | 14.4 | 14.2 | 14.5 | 14.5 |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 15.6 | 15.5 | 15.5 | 15.1 | 15.6 | 15.3 | 15.6 | 15.6 |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 16.6 | 16.4 | 16.4 | 16.1 | 16.5 | 16.3 | 16.5 | 16.5 |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 17.3 | 17.1 | 17.2 | 16.9 | 17.3 | 17.0 | 17.3 | 17.1 |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 17.6 | 17.4 | 17.5 | 17.3 | 17.6 | 17.4 | 17.5 | 17.3 |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:lianghaizhu  
 Test Date:2023-03-10

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks: