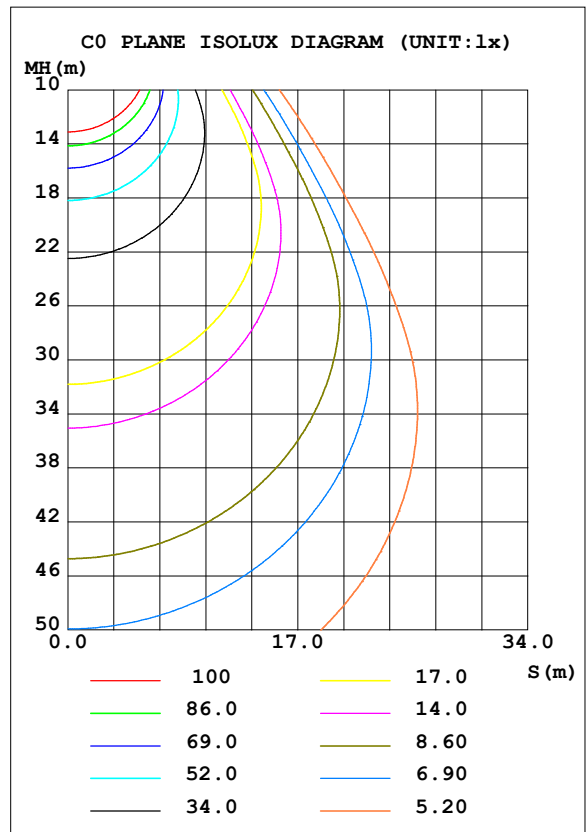
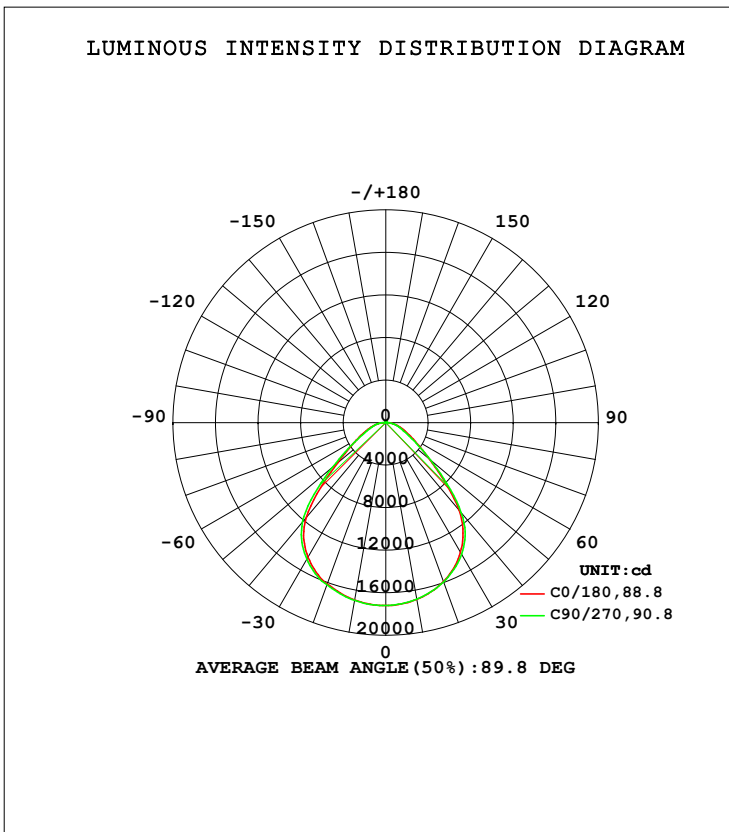


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|--------------|------------------|
| Test:U:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 167.83 lm/W | | | |
|-------------------|----------------------|-----------------------------------|--------|--|-----------|
| MODEL | ASD-WHB5A-HV-PRO-220 | I _{max} (cd) | 17202 | S/MH (C0/180) | 1.26 |
| NOMINAL POWER (W) | 220 | LOR (%) | 100.0 | S/MH (C90/270) | 1.28 |
| RATED VOLTAGE (V) | 277-480 | TOTAL FLUX (lm) | 36018 | <input type="checkbox"/> UP, DN (C0-180) | 0.5, 48.4 |
| NOMINAL FLUX (lm) | 36018.4 | CIE CLASS | DIRECT | <input type="checkbox"/> UP, DN (C180-360) | 0.5, 50.6 |
| LAMPS INSIDE | 1 | <input type="checkbox"/> up (%) | 1.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 277 | <input type="checkbox"/> down (%) | 99.0 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-21

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 | 1687 | 1685 | 1684 | 1691 | 1693 | 1695 | 1697 | 1690 | 0- 10 | 1628 | 1628 | 4.52,4.52 |
| 20 | 1589 | 1604 | 1592 | 1612 | 1614 | 1613 | 1620 | 1602 | 10- 20 | 4669 | 6297 | 17.5,17.5 |
| 30 | 1406 | 1430 | 1428 | 1460 | 1462 | 1464 | 1484 | 1440 | 20- 30 | 7081 | 13377 | 37.1,37.1 |
| 40 | 1073 | 1088 | 1104 | 1159 | 1162 | 1184 | 1217 | 1124 | 30- 40 | 8212 | 21589 | 59.9,59.9 |
| 50 | 540.1 | 542.0 | 554.7 | 597.3 | 595.9 | 628.2 | 658.0 | 572.3 | 40- 50 | 6584 | 28174 | 78.2,78.2 |
| 60 | 284.7 | 264.9 | 256.9 | 292.6 | 307.6 | 297.8 | 298.0 | 279.7 | 50- 60 | 3689 | 31863 | 88.5,88.5 |
| 70 | 161.2 | 151.7 | 141.4 | 166.8 | 170.7 | 166.8 | 154.0 | 159.8 | 60- 70 | 2116 | 33979 | 94.3,94.3 |
| 80 | 75.13 | 74.33 | 71.76 | 82.85 | 79.36 | 86.62 | 84.54 | 78.02 | 70- 80 | 1255 | 35234 | 97.8,97.8 |
| 90 | 1.289 | 1.334 | 1.372 | 1.415 | 1.709 | 1.993 | 5.119 | 1.602 | 80- 90 | 410.5 | 35644 | 99,99 |
| 100 | 2.077 | 2.162 | 2.243 | 2.053 | 2.557 | 2.555 | 2.590 | 2.710 | 90-100 | 20.48 | 35665 | 99,99 |
| 110 | 3.324 | 3.433 | 3.553 | 3.290 | 4.015 | 4.022 | 4.080 | 4.204 | 100-110 | 32.02 | 35697 | 99.1,99.1 |
| 120 | 4.869 | 5.000 | 5.143 | 4.842 | 5.649 | 5.667 | 5.721 | 5.855 | 110-120 | 44.80 | 35741 | 99.2,99.2 |
| 130 | 6.586 | 6.706 | 6.850 | 6.546 | 7.455 | 7.429 | 7.494 | 7.610 | 120-130 | 55.54 | 35797 | 99.4,99.4 |
| 140 | 8.209 | 8.343 | 8.455 | 8.207 | 9.155 | 9.127 | 9.192 | 9.302 | 130-140 | 61.23 | 35858 | 99.6,99.6 |
| 150 | 9.733 | 9.894 | 9.967 | 9.714 | 10.73 | 10.69 | 10.75 | 10.86 | 140-150 | 59.61 | 35918 | 99.7,99.7 |
| 160 | 11.48 | 11.61 | 11.71 | 11.37 | 12.43 | 12.34 | 12.45 | 12.54 | 150-160 | 51.23 | 35969 | 99.9,99.9 |
| 170 | 13.25 | 13.29 | 13.44 | 13.09 | 13.85 | 13.76 | 13.90 | 13.85 | 160-170 | 36.08 | 36005 | 100,100 |
| 180 | 14.31 | 14.25 | 14.41 | 14.20 | 14.30 | 14.26 | 14.40 | 14.20 | 170-180 | 13.27 | 36018 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 25291 lm

%lum = 70.2%

%lamp = 70.2%

Conical surface Flux(120deg): 31863 lm

%lum = 88.5%

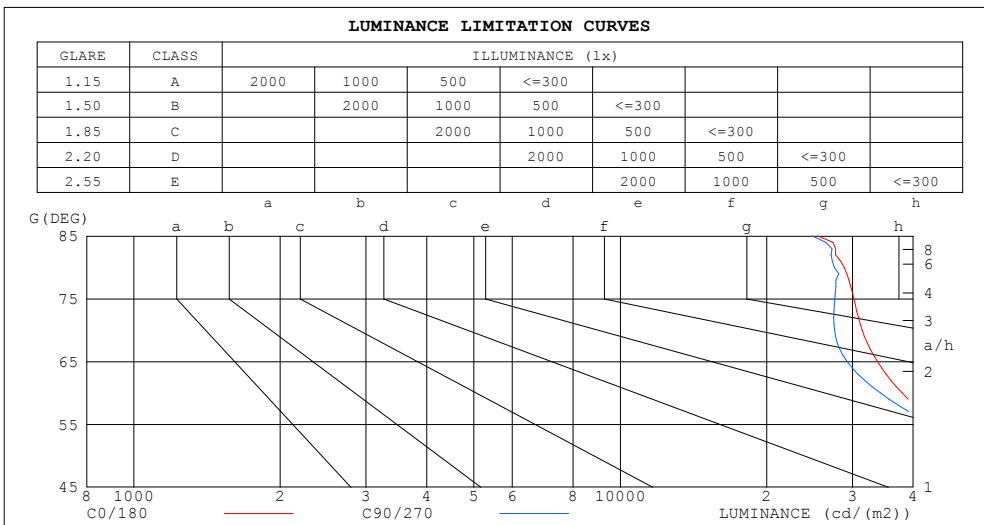
%lamp = 88.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

□ 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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 25493 | 24785 |
| 80 | 28845 | 27550 |
| 75 | 30209 | 27604 |
| 70 | 31427 | 27568 |
| 65 | 33768 | 29265 |
| 60 | 37961 | 34251 |
| 55 | 44818 | 43440 |
| 50 | 56015 | 57536 |
| 45 | 74132 | 76955 |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | 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 | .258 | .147 | .046 | .250 | .143 | .045 | .237 | .136 | .043 | .224 | .129 | .042 | .213 | .123 | .040 | |
| 2.0 | .245 | .134 | .041 | .239 | .132 | .041 | .227 | .126 | .039 | .216 | .121 | .038 | .206 | .117 | .037 | |
| 3.0 | .231 | .123 | .037 | .225 | .121 | .036 | .215 | .116 | .035 | .205 | .112 | .034 | .196 | .109 | .034 | |
| 4.0 | .216 | .112 | .033 | .211 | .110 | .033 | .202 | .107 | .032 | .193 | .104 | .031 | .186 | .101 | .031 | |
| 5.0 | .202 | .103 | .030 | .198 | .102 | .030 | .190 | .099 | .029 | .182 | .096 | .029 | .175 | .094 | .028 | |
| 6.0 | .190 | .095 | .027 | .186 | .094 | .027 | .179 | .092 | .027 | .172 | .089 | .026 | .166 | .087 | .026 | |
| 7.0 | .179 | .088 | .025 | .175 | .087 | .025 | .169 | .085 | .025 | .163 | .083 | .024 | .157 | .082 | .024 | |
| 8.0 | .169 | .082 | .023 | .166 | .082 | .023 | .160 | .080 | .023 | .154 | .078 | .023 | .149 | .077 | .022 | |
| 9.0 | .159 | .077 | .022 | .157 | .076 | .021 | .151 | .075 | .021 | .146 | .073 | .021 | .142 | .072 | .021 | |
| 10.0 | .151 | .072 | .020 | .149 | .072 | .020 | .144 | .070 | .020 | .139 | .069 | .020 | .135 | .068 | .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 | .170 | .170 | .170 | .116 | .116 | .116 | .066 | .066 | .066 | .021 | .021 | .021 | |
| 1.0 | .185 | .165 | .146 | .158 | .141 | .126 | .108 | .097 | .087 | .062 | .056 | .051 | .020 | .018 | .016 | |
| 2.0 | .174 | .140 | .112 | .149 | .121 | .097 | .102 | .083 | .067 | .059 | .049 | .039 | .019 | .016 | .013 | |
| 3.0 | .165 | .122 | .088 | .141 | .105 | .076 | .097 | .073 | .053 | .056 | .043 | .032 | .018 | .014 | .010 | |
| 4.0 | .157 | .108 | .071 | .135 | .094 | .062 | .093 | .065 | .044 | .054 | .038 | .026 | .017 | .012 | .008 | |
| 5.0 | .149 | .098 | .059 | .128 | .084 | .052 | .088 | .059 | .037 | .051 | .035 | .022 | .016 | .011 | .007 | |
| 6.0 | .142 | .089 | .051 | .122 | .077 | .044 | .084 | .054 | .031 | .049 | .032 | .019 | .016 | .010 | .006 | |
| 7.0 | .136 | .082 | .044 | .117 | .071 | .038 | .081 | .050 | .027 | .047 | .029 | .016 | .015 | .010 | .005 | |
| 8.0 | .130 | .076 | .039 | .112 | .066 | .034 | .078 | .046 | .024 | .045 | .027 | .014 | .015 | .009 | .005 | |
| 9.0 | .125 | .071 | .035 | .107 | .062 | .031 | .074 | .043 | .022 | .043 | .026 | .013 | .014 | .008 | .004 | |
| 10.0 | .119 | .067 | .032 | .103 | .058 | .028 | .071 | .041 | .020 | .042 | .024 | .012 | .014 | .008 | .004 | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | | | | | | | | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: ASD-LSB5A-HV-PRO | | | | | SUR.:0.5*0.3 | | | 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 | 25.2 | 26.5 | 25.5 | 26.8 | 27.0 | 25.2 | 26.5 | 25.4 | 26.7 | 26.9 |
| 3H | 25.9 | 27.1 | 26.2 | 27.4 | 27.6 | 25.7 | 26.9 | 26.0 | 27.2 | 27.4 |
| 4H | 26.3 | 27.4 | 26.6 | 27.7 | 28.0 | 26.0 | 27.2 | 26.4 | 27.4 | 27.7 |
| 6H | 26.6 | 27.7 | 26.9 | 28.0 | 28.3 | 26.3 | 27.4 | 26.7 | 27.7 | 28.0 |
| 8H | 26.7 | 27.8 | 27.1 | 28.0 | 28.3 | 26.5 | 27.5 | 26.8 | 27.8 | 28.1 |
| 12H | 26.8 | 27.8 | 27.1 | 28.1 | 28.4 | 26.5 | 27.5 | 26.9 | 27.8 | 28.2 |
| 4H 2H | 25.4 | 26.5 | 25.7 | 26.8 | 27.1 | 25.3 | 26.5 | 25.6 | 26.7 | 27.0 |
| 3H | 26.3 | 27.3 | 26.7 | 27.6 | 27.9 | 26.1 | 27.1 | 26.5 | 27.4 | 27.7 |
| 4H | 26.8 | 27.7 | 27.2 | 28.1 | 28.4 | 26.6 | 27.5 | 27.0 | 27.8 | 28.2 |
| 6H | 27.3 | 28.1 | 27.7 | 28.5 | 28.8 | 27.0 | 27.8 | 27.5 | 28.2 | 28.6 |
| 8H | 27.5 | 28.2 | 27.9 | 28.6 | 29.0 | 27.2 | 28.0 | 27.7 | 28.4 | 28.8 |
| 12H | 27.6 | 28.3 | 28.0 | 28.7 | 29.1 | 27.4 | 28.0 | 27.8 | 28.4 | 28.9 |
| 8H 4H | 27.0 | 27.7 | 27.4 | 28.1 | 28.5 | 26.8 | 27.5 | 27.2 | 27.9 | 28.3 |
| 6H | 27.6 | 28.2 | 28.1 | 28.6 | 29.1 | 27.4 | 28.0 | 27.8 | 28.4 | 28.9 |
| 8H | 27.9 | 28.4 | 28.3 | 28.8 | 29.3 | 27.7 | 28.2 | 28.1 | 28.6 | 29.1 |
| 12H | 28.1 | 28.5 | 28.6 | 29.0 | 29.5 | 27.9 | 28.3 | 28.4 | 28.8 | 29.3 |
| 12H 4H | 27.0 | 27.7 | 27.4 | 28.1 | 28.5 | 26.8 | 27.5 | 27.2 | 27.9 | 28.3 |
| 6H | 27.7 | 28.2 | 28.1 | 28.6 | 29.1 | 27.4 | 28.0 | 27.9 | 28.4 | 28.9 |
| 8H | 28.0 | 28.4 | 28.4 | 28.9 | 29.4 | 27.8 | 28.2 | 28.2 | 28.7 | 29.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.6 / - 0.7 | | | | | + 0.6 / - 0.7 | | | | |
| 1.5H | + 0.6 / - 0.5 | | | | | + 0.6 / - 0.5 | | | | |
| 2.0H | + 1.2 / - 0.7 | | | | | + 1.4 / - 0.9 | | | | |

CIE Pub.117, 36018 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 12.5)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | Shielding Angle: |

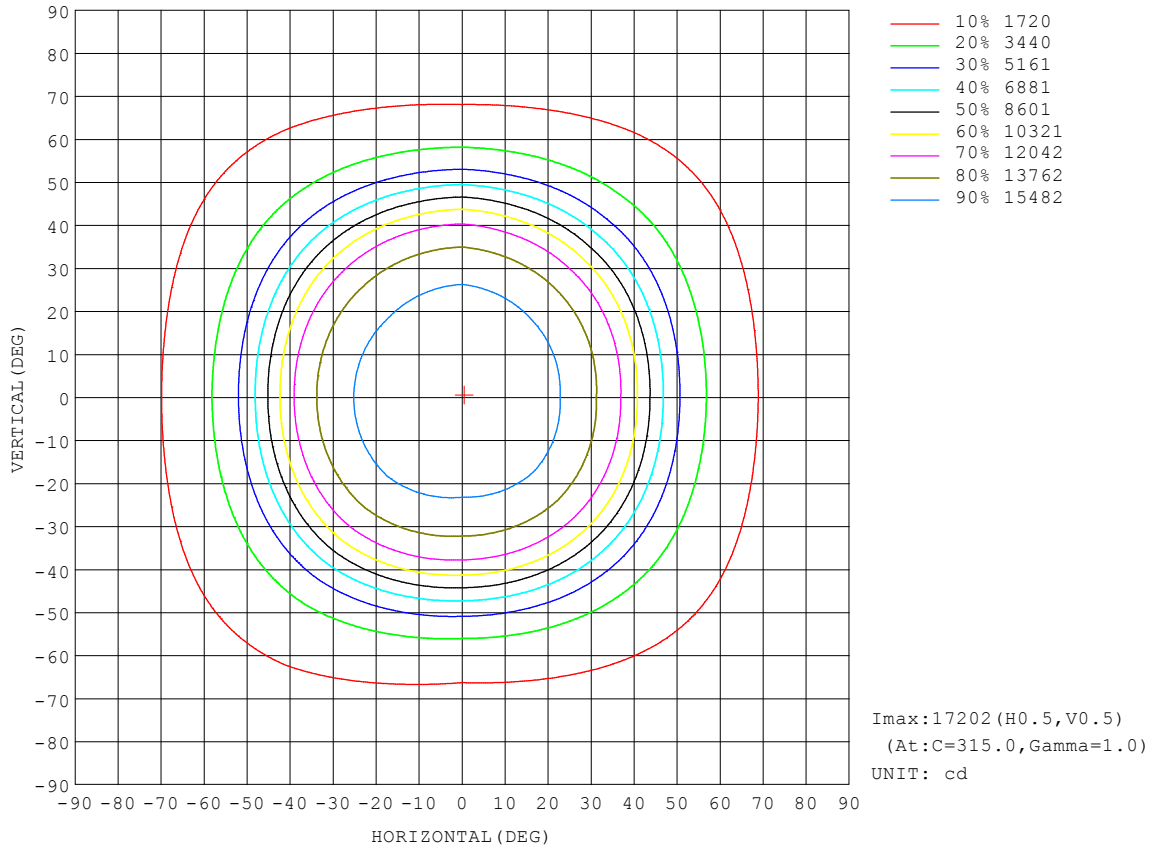
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 67 | 57 | 51 | 66 | 56 | 50 | 65 | 56 | 50 | 45 |
| 0.80 | 76 | 67 | 60 | 75 | 66 | 60 | 74 | 65 | 60 | 54 |
| 1.00 | 84 | 75 | 69 | 83 | 74 | 68 | 81 | 75 | 68 | 62 |
| 1.25 | 90 | 82 | 76 | 89 | 81 | 75 | 86 | 80 | 75 | 68 |
| 1.50 | 94 | 87 | 81 | 93 | 86 | 80 | 90 | 84 | 79 | 73 |
| 2.00 | 100 | 93 | 88 | 98 | 92 | 87 | 95 | 90 | 85 | 78 |
| 2.50 | 103 | 97 | 92 | 101 | 95 | 91 | 97 | 93 | 89 | 81 |
| 3.00 | 106 | 100 | 96 | 104 | 98 | 94 | 100 | 96 | 92 | 84 |
| 4.00 | 109 | 104 | 100 | 106 | 102 | 99 | 102 | 99 | 96 | 88 |
| 5.00 | 111 | 107 | 103 | 108 | 105 | 102 | 104 | 101 | 98 | 90 |
| 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:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | Shielding Angle: |

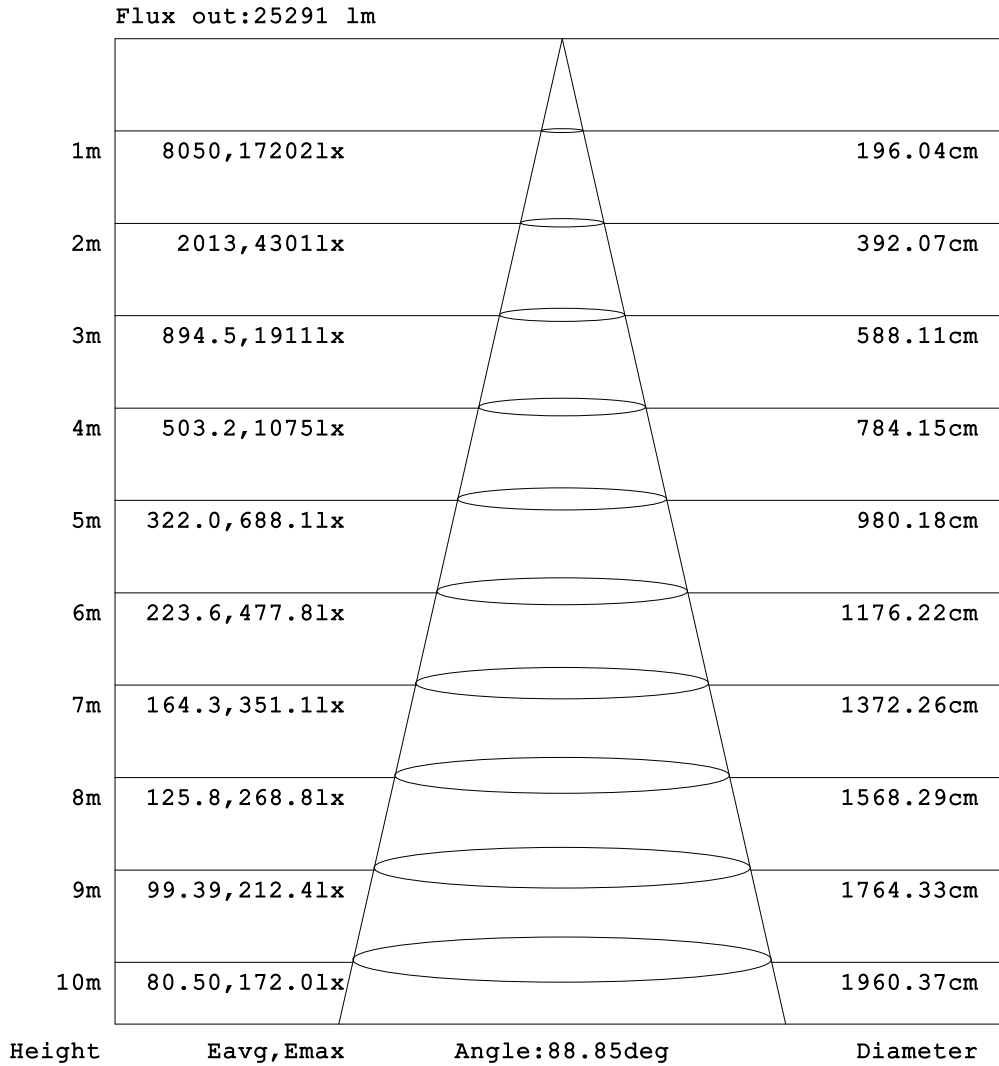


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

□ 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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | Shielding Angle: |

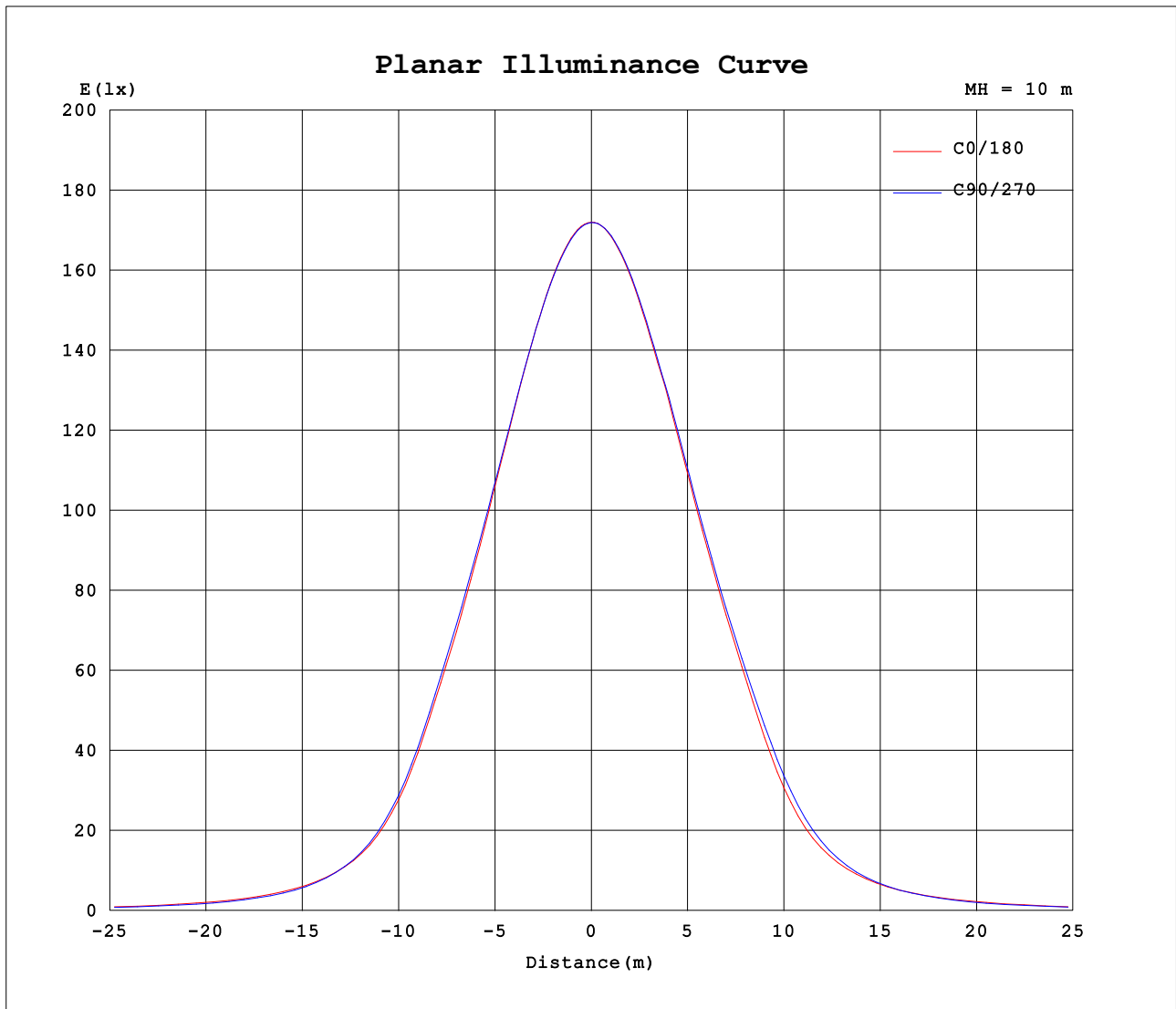


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

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: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-21

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:277.0V I:0.7793A P:214.6W PF:0.9941 Freq:59.98Hz Lamp Flux:36018.4x1 lm | | |
| NAME: ASD-WHB5A-HV-PRO-220-220W-4000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD-LSB5A-HV-PRO | SUR.:0.5*0.3 | Shielding Angle: |

Table--1

UNIT: x10cd

| C (DEG) □ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1720 | 1719 | 1719 | 1720 | 1720 | 1719 | 1719 | 1720 | | | | | | | | | | | |
| 5 | 1711 | 1710 | 1709 | 1713 | 1714 | 1715 | 1716 | 1712 | | | | | | | | | | | |
| 10 | 1687 | 1685 | 1684 | 1691 | 1693 | 1695 | 1697 | 1690 | | | | | | | | | | | |
| 15 | 1647 | 1646 | 1645 | 1656 | 1658 | 1662 | 1665 | 1653 | | | | | | | | | | | |
| 20 | 1589 | 1604 | 1592 | 1612 | 1614 | 1613 | 1620 | 1602 | | | | | | | | | | | |
| 25 | 1511 | 1529 | 1520 | 1549 | 1551 | 1548 | 1567 | 1532 | | | | | | | | | | | |
| 30 | 1406 | 1430 | 1428 | 1460 | 1462 | 1464 | 1484 | 1440 | | | | | | | | | | | |
| 35 | 1269 | 1294 | 1302 | 1342 | 1344 | 1351 | 1375 | 1313 | | | | | | | | | | | |
| 40 | 1073 | 1088 | 1104 | 1159 | 1162 | 1184 | 1217 | 1124 | | | | | | | | | | | |
| 45 | 786 | 797 | 816 | 875 | 870 | 910 | 955 | 837 | | | | | | | | | | | |
| 50 | 540 | 542 | 555 | 597 | 596 | 628 | 658 | 572 | | | | | | | | | | | |
| 55 | 386 | 373 | 374 | 411 | 421 | 427 | 440 | 394 | | | | | | | | | | | |
| 60 | 285 | 265 | 257 | 293 | 308 | 298 | 298 | 280 | | | | | | | | | | | |
| 65 | 214 | 198 | 186 | 218 | 230 | 217 | 209 | 208 | | | | | | | | | | | |
| 70 | 161 | 152 | 141 | 167 | 171 | 167 | 154 | 160 | | | | | | | | | | | |
| 75 | 117 | 114 | 107 | 125 | 124 | 127 | 118 | 119 | | | | | | | | | | | |
| 80 | 75.1 | 74.3 | 71.8 | 82.9 | 79.4 | 86.6 | 84.5 | 78.0 | | | | | | | | | | | |
| 85 | 33.3 | 32.6 | 32.4 | 39.9 | 38.0 | 44.0 | 50.3 | 37.1 | | | | | | | | | | | |
| 90 | 1.29 | 1.33 | 1.37 | 1.42 | 1.71 | 1.99 | 5.12 | 1.60 | | | | | | | | | | | |
| 95 | 1.62 | 1.69 | 1.75 | 1.61 | 1.95 | 1.95 | 1.97 | 2.07 | | | | | | | | | | | |
| 100 | 2.08 | 2.16 | 2.24 | 2.05 | 2.56 | 2.55 | 2.59 | 2.71 | | | | | | | | | | | |
| 105 | 2.66 | 2.75 | 2.86 | 2.62 | 3.27 | 3.27 | 3.31 | 3.44 | | | | | | | | | | | |
| 110 | 3.32 | 3.43 | 3.55 | 3.29 | 4.01 | 4.02 | 4.08 | 4.20 | | | | | | | | | | | |
| 115 | 4.06 | 4.18 | 4.32 | 4.03 | 4.81 | 4.82 | 4.88 | 5.01 | | | | | | | | | | | |
| 120 | 4.87 | 5.00 | 5.14 | 4.84 | 5.65 | 5.67 | 5.72 | 5.86 | | | | | | | | | | | |
| 125 | 5.72 | 5.84 | 5.99 | 5.68 | 6.54 | 6.54 | 6.60 | 6.72 | | | | | | | | | | | |
| 130 | 6.59 | 6.71 | 6.85 | 6.55 | 7.45 | 7.43 | 7.49 | 7.61 | | | | | | | | | | | |
| 135 | 7.41 | 7.54 | 7.69 | 7.41 | 8.32 | 8.30 | 8.36 | 8.46 | | | | | | | | | | | |
| 140 | 8.21 | 8.34 | 8.46 | 8.21 | 9.15 | 9.13 | 9.19 | 9.30 | | | | | | | | | | | |
| 145 | 8.96 | 9.12 | 9.20 | 8.97 | 9.94 | 9.92 | 9.97 | 10.1 | | | | | | | | | | | |
| 150 | 9.73 | 9.89 | 9.97 | 9.71 | 10.7 | 10.7 | 10.8 | 10.9 | | | | | | | | | | | |
| 155 | 10.6 | 10.7 | 10.8 | 10.5 | 11.6 | 11.5 | 11.6 | 11.7 | | | | | | | | | | | |
| 160 | 11.5 | 11.6 | 11.7 | 11.4 | 12.4 | 12.3 | 12.5 | 12.5 | | | | | | | | | | | |
| 165 | 12.4 | 12.5 | 12.6 | 12.2 | 13.2 | 13.1 | 13.3 | 13.3 | | | | | | | | | | | |
| 170 | 13.3 | 13.3 | 13.4 | 13.1 | 13.9 | 13.8 | 13.9 | 13.9 | | | | | | | | | | | |
| 175 | 14.0 | 13.9 | 14.1 | 13.8 | 14.2 | 14.1 | 14.3 | 14.2 | | | | | | | | | | | |
| 180 | 14.3 | 14.3 | 14.4 | 14.2 | 14.3 | 14.3 | 14.4 | 14.2 | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-21

□ 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: