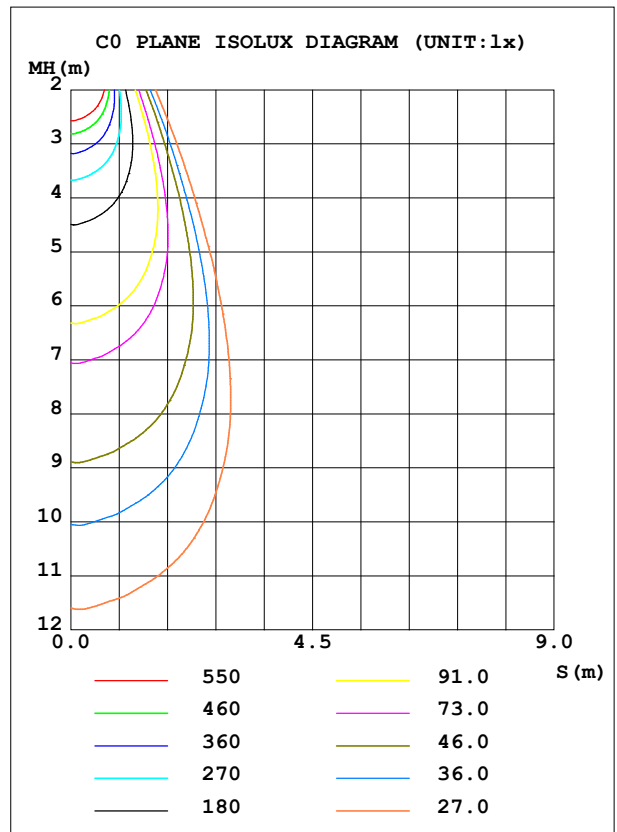
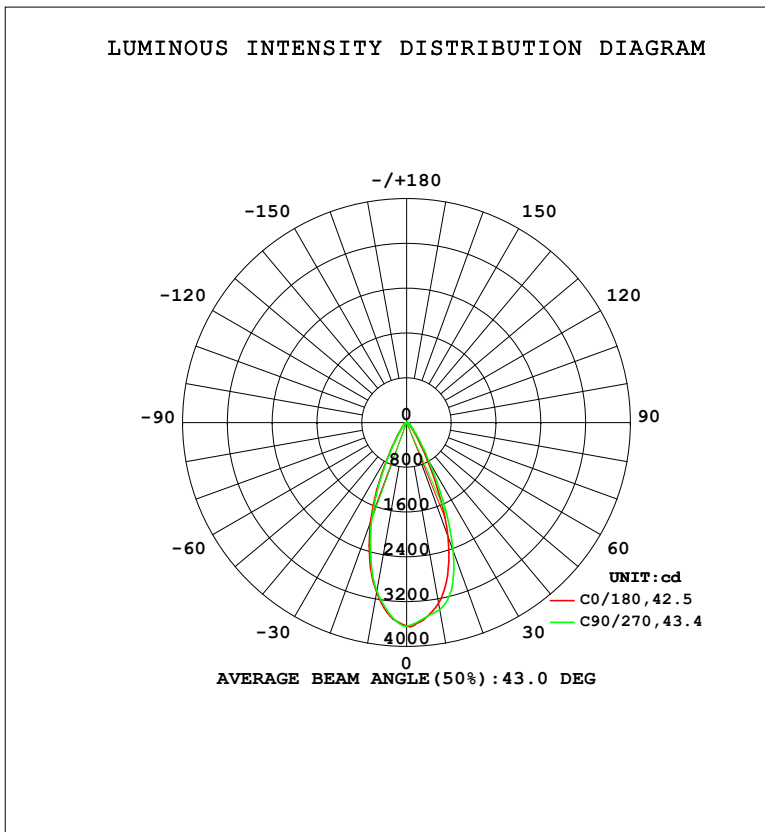


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 94.44 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|--|-----------------|
| MODEL | | I _{max} (cd) | 3646 | S/MH (C0/180) | | 0.65 |
| NOMINAL POWER (W) | 24 | LOR (%) | 100.0 | S/MH (C90/270) | | 0.64 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 2038.3 | η UP, DN (C0-180) | | 0.0, 53.8 |
| NOMINAL FLUX (lm) | 2038.29 | CIE CLASS | DIRECT | η UP, DN (C180-360) | | 0.0, 46.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | | 0.50 |
| TEST VOLTAGE (V) | 120 | η down (%) | 100.0 | CIBSE SHR MAX | | 0.70 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

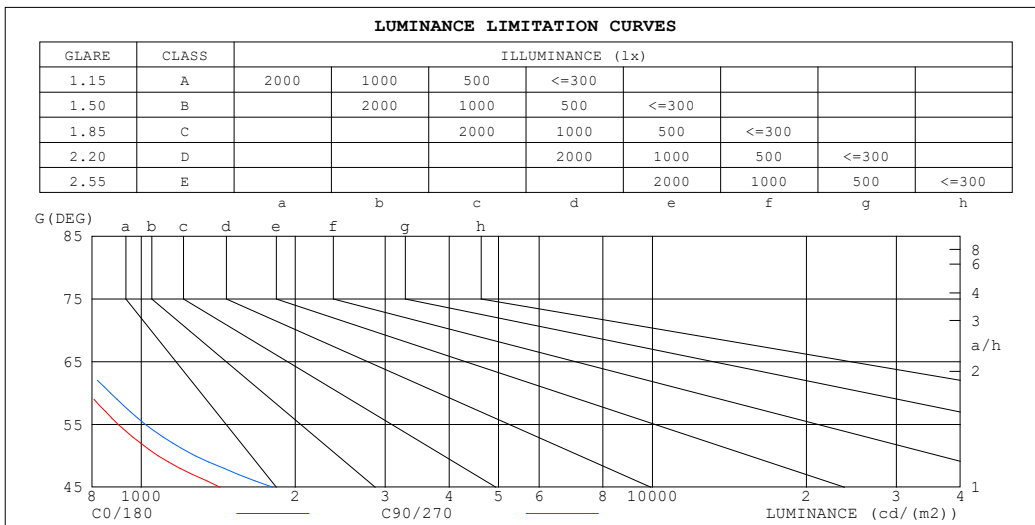
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 3279 | 3308 | 3390 | 3170 | 3085 | 3007 | 3059 | 3154 | 0- 10 | 322.6 | 322.6 | 15.8,15.8 |
| 20 | 2161 | 2313 | 2426 | 2076 | 1891 | 1805 | 1815 | 2018 | 10- 20 | 742.5 | 1065 | 52.3,52.3 |
| 30 | 664.2 | 764.7 | 816.4 | 668.6 | 580.5 | 529.4 | 531.9 | 591.5 | 20- 30 | 583.6 | 1649 | 80.9,80.9 |
| 40 | 182.1 | 205.5 | 242.1 | 182.5 | 161.3 | 150.9 | 144.6 | 163.9 | 30- 40 | 218.8 | 1868 | 91.6,91.6 |
| 50 | 77.09 | 81.02 | 91.10 | 75.62 | 71.96 | 68.17 | 68.59 | 70.80 | 40- 50 | 88.79 | 1956 | 96,96 |
| 60 | 43.81 | 39.78 | 48.34 | 38.20 | 42.47 | 36.02 | 41.39 | 36.36 | 50- 60 | 50.19 | 2007 | 98.4,98.4 |
| 70 | 13.22 | 8.441 | 17.65 | 8.609 | 16.44 | 8.705 | 16.14 | 8.520 | 60- 70 | 25.31 | 2032 | 99.7,99.7 |
| 80 | 2.366 | 2.343 | 2.466 | 2.435 | 2.600 | 2.600 | 2.616 | 2.420 | 70- 80 | 5.243 | 2037 | 99.9,99.9 |
| 90 | 0.1165 | 0.0752 | 0.0894 | 0.0722 | 0.0945 | 0.0748 | 0.0968 | 0.0621 | 80- 90 | 1.214 | 2038 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 92 | 117 |
| 80 | 123 | 128 |
| 75 | 133 | 154 |
| 70 | 348 | 465 |
| 65 | 652 | 724 |
| 60 | 789 | 870 |
| 55 | 901 | 1019 |
| 50 | 1079 | 1276 |
| 45 | 1425 | 1807 |

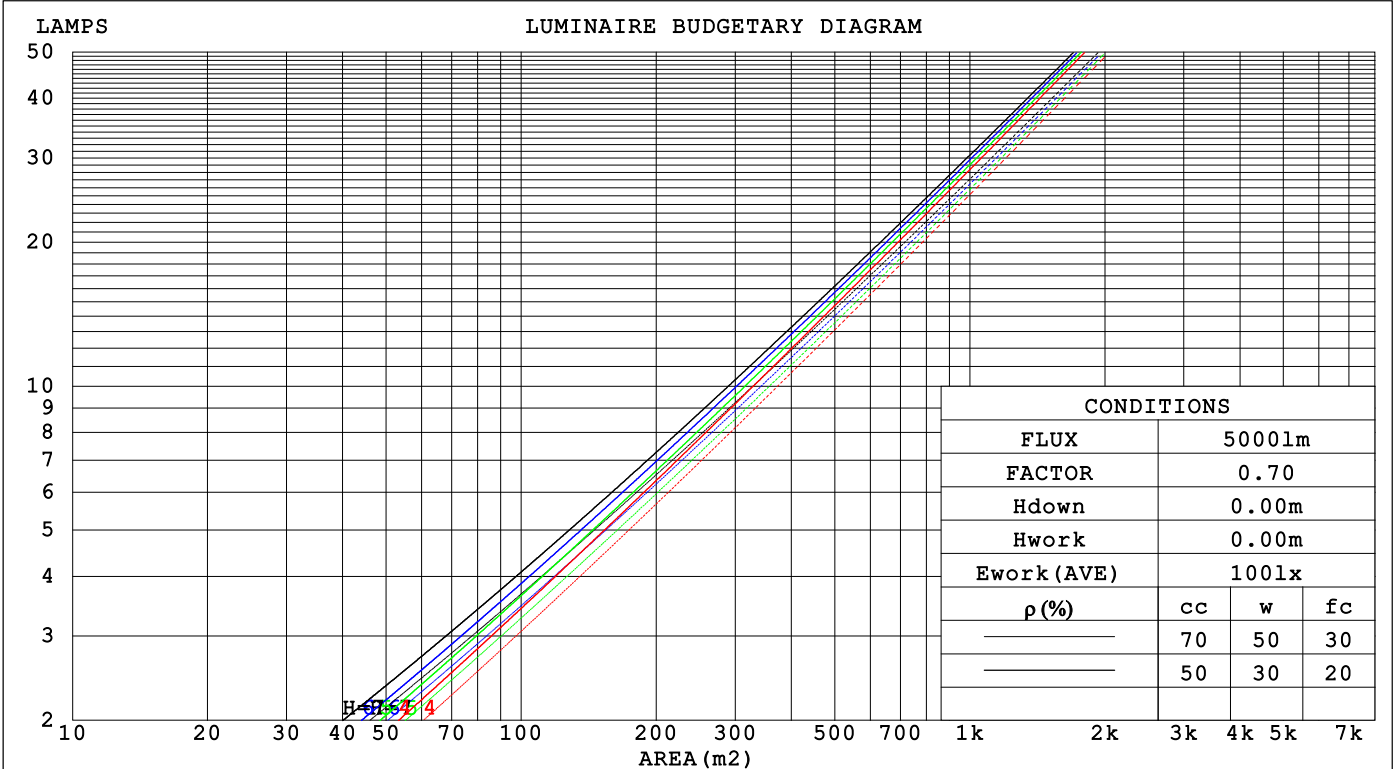
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | 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 | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | .00 | .99 | .98 | .97 | .96 | .94 |
| 2.0 | 1.04 | 1.00 | .97 | 1.02 | .99 | .96 | .99 | .96 | .94 | .96 | .94 | .92 | .93 | .92 | .90 | .88 |
| 3.0 | .98 | .93 | .89 | .96 | .92 | .88 | .94 | .90 | .87 | .91 | .88 | .86 | .89 | .87 | .84 | .83 |
| 4.0 | .92 | .87 | .83 | .91 | .86 | .82 | .89 | .85 | .81 | .87 | .83 | .80 | .85 | .82 | .79 | .78 |
| 5.0 | .87 | .81 | .77 | .86 | .81 | .77 | .84 | .80 | .76 | .82 | .79 | .76 | .81 | .78 | .75 | .74 |
| 6.0 | .82 | .77 | .73 | .81 | .76 | .72 | .80 | .75 | .72 | .79 | .75 | .72 | .77 | .74 | .71 | .70 |
| 7.0 | .78 | .73 | .69 | .77 | .72 | .68 | .76 | .71 | .68 | .75 | .71 | .68 | .74 | .70 | .67 | .66 |
| 8.0 | .74 | .69 | .65 | .74 | .68 | .65 | .73 | .68 | .65 | .72 | .67 | .64 | .71 | .67 | .64 | .63 |
| 9.0 | .71 | .65 | .62 | .70 | .65 | .62 | .69 | .65 | .61 | .69 | .64 | .61 | .68 | .64 | .61 | .60 |
| 10.0 | .68 | .62 | .59 | .67 | .62 | .59 | .66 | .62 | .59 | .66 | .61 | .58 | .65 | .61 | .58 | .57 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2023-04-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |

| ρ_{CC} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .170 | .097 | .031 | .164 | .093 | .030 | .151 | .087 | .028 | .140 | .080 | .026 | .129 | .075 | .024 | |
| 2.0 | .162 | .089 | .027 | .156 | .086 | .027 | .146 | .081 | .025 | .136 | .076 | .024 | .127 | .072 | .023 | |
| 3.0 | .153 | .082 | .024 | .148 | .080 | .024 | .140 | .076 | .023 | .131 | .072 | .022 | .124 | .068 | .021 | |
| 4.0 | .145 | .075 | .022 | .141 | .074 | .022 | .133 | .071 | .021 | .126 | .068 | .020 | .120 | .065 | .020 | |
| 5.0 | .138 | .070 | .020 | .134 | .069 | .020 | .127 | .066 | .020 | .121 | .064 | .019 | .115 | .062 | .019 | |
| 6.0 | .131 | .066 | .019 | .128 | .065 | .019 | .122 | .062 | .018 | .116 | .061 | .018 | .111 | .059 | .017 | |
| 7.0 | .125 | .062 | .017 | .122 | .061 | .017 | .117 | .059 | .017 | .112 | .057 | .017 | .107 | .056 | .016 | |
| 8.0 | .119 | .058 | .016 | .117 | .057 | .016 | .112 | .056 | .016 | .108 | .055 | .016 | .104 | .053 | .016 | |
| 9.0 | .114 | .055 | .015 | .112 | .054 | .015 | .108 | .053 | .015 | .104 | .052 | .015 | .100 | .051 | .015 | |
| 10.0 | .109 | .052 | .015 | .107 | .052 | .014 | .103 | .051 | .014 | .100 | .050 | .014 | .097 | .049 | .014 | |

| ρ_{CC} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .171 | .157 | .145 | .146 | .135 | .125 | .100 | .093 | .087 | .057 | .054 | .050 | .018 | .017 | .016 | |
| 2.0 | .155 | .133 | .114 | .133 | .114 | .098 | .091 | .079 | .069 | .052 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .142 | .114 | .091 | .122 | .098 | .079 | .084 | .068 | .055 | .048 | .040 | .033 | .016 | .013 | .011 | |
| 4.0 | .131 | .099 | .074 | .113 | .085 | .064 | .077 | .059 | .045 | .045 | .035 | .027 | .014 | .011 | .009 | |
| 5.0 | .122 | .087 | .061 | .105 | .075 | .053 | .072 | .053 | .037 | .042 | .031 | .022 | .013 | .010 | .007 | |
| 6.0 | .114 | .077 | .051 | .098 | .067 | .044 | .068 | .047 | .031 | .039 | .028 | .019 | .013 | .009 | .006 | |
| 7.0 | .107 | .070 | .043 | .092 | .060 | .038 | .064 | .042 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .101 | .063 | .037 | .087 | .055 | .032 | .060 | .039 | .023 | .035 | .023 | .014 | .011 | .007 | .005 | |
| 9.0 | .096 | .058 | .032 | .083 | .050 | .028 | .057 | .035 | .020 | .033 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .091 | .054 | .028 | .079 | .047 | .025 | .055 | .033 | .018 | .032 | .019 | .010 | .010 | .006 | .003 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | 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 | 6.0 | 6.9 | 6.2 | 7.1 | 7.2 | 7.0 | 7.9 | 7.2 | 8.0 | 8.2 |
| 3H | 6.2 | 7.0 | 6.4 | 7.2 | 7.4 | 7.1 | 7.9 | 7.4 | 8.1 | 8.3 |
| 4H | 6.1 | 6.9 | 6.4 | 7.1 | 7.3 | 7.1 | 7.8 | 7.3 | 8.1 | 8.3 |
| 6H | 6.0 | 6.7 | 6.3 | 7.0 | 7.2 | 7.0 | 7.7 | 7.3 | 8.0 | 8.2 |
| 8H | 6.0 | 6.7 | 6.3 | 6.9 | 7.2 | 7.0 | 7.7 | 7.3 | 7.9 | 8.2 |
| 12H | 5.9 | 6.6 | 6.3 | 6.9 | 7.2 | 6.9 | 7.6 | 7.2 | 7.9 | 8.1 |
| 4H 2H | 6.0 | 6.8 | 6.3 | 7.0 | 7.2 | 6.9 | 7.7 | 7.2 | 7.9 | 8.2 |
| 3H | 6.2 | 6.8 | 6.5 | 7.1 | 7.4 | 7.1 | 7.7 | 7.4 | 8.0 | 8.3 |
| 4H | 6.1 | 6.7 | 6.5 | 7.0 | 7.3 | 7.0 | 7.6 | 7.4 | 7.9 | 8.2 |
| 6H | 6.0 | 6.6 | 6.4 | 6.9 | 7.3 | 6.9 | 7.5 | 7.3 | 7.8 | 8.2 |
| 8H | 6.0 | 6.5 | 6.4 | 6.8 | 7.2 | 6.9 | 7.4 | 7.3 | 7.8 | 8.1 |
| 12H | 6.0 | 6.4 | 6.4 | 6.8 | 7.2 | 6.9 | 7.3 | 7.3 | 7.7 | 8.1 |
| 8H 4H | 6.0 | 6.5 | 6.4 | 6.8 | 7.2 | 6.9 | 7.4 | 7.3 | 7.7 | 8.1 |
| 6H | 5.9 | 6.3 | 6.3 | 6.7 | 7.1 | 6.8 | 7.2 | 7.2 | 7.6 | 8.0 |
| 8H | 5.9 | 6.2 | 6.3 | 6.7 | 7.1 | 6.8 | 7.1 | 7.2 | 7.6 | 8.0 |
| 12H | 5.8 | 6.1 | 6.3 | 6.6 | 7.1 | 6.7 | 7.0 | 7.2 | 7.5 | 8.0 |
| 12H 4H | 5.9 | 6.4 | 6.3 | 6.8 | 7.1 | 6.8 | 7.3 | 7.2 | 7.7 | 8.1 |
| 6H | 5.9 | 6.2 | 6.3 | 6.6 | 7.1 | 6.8 | 7.1 | 7.2 | 7.5 | 8.0 |
| 8H | 5.8 | 6.1 | 6.3 | 6.6 | 7.1 | 6.7 | 7.0 | 7.2 | 7.5 | 7.9 |

| | | |
|---|---------------|---------------|
| Variations with the observer position at spacings(CIE Pub.117): | | |
| S = 1.0H | + 1.5 / - 2.2 | + 2.0 / - 2.6 |
| 1.5H | + 2.5 / - 1.5 | + 3.4 / - 2.0 |
| 2.0H | + 2.0 / - 1.8 | + 2.7 / - 2.2 |

CIE Pub.117, 2038 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.5)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |

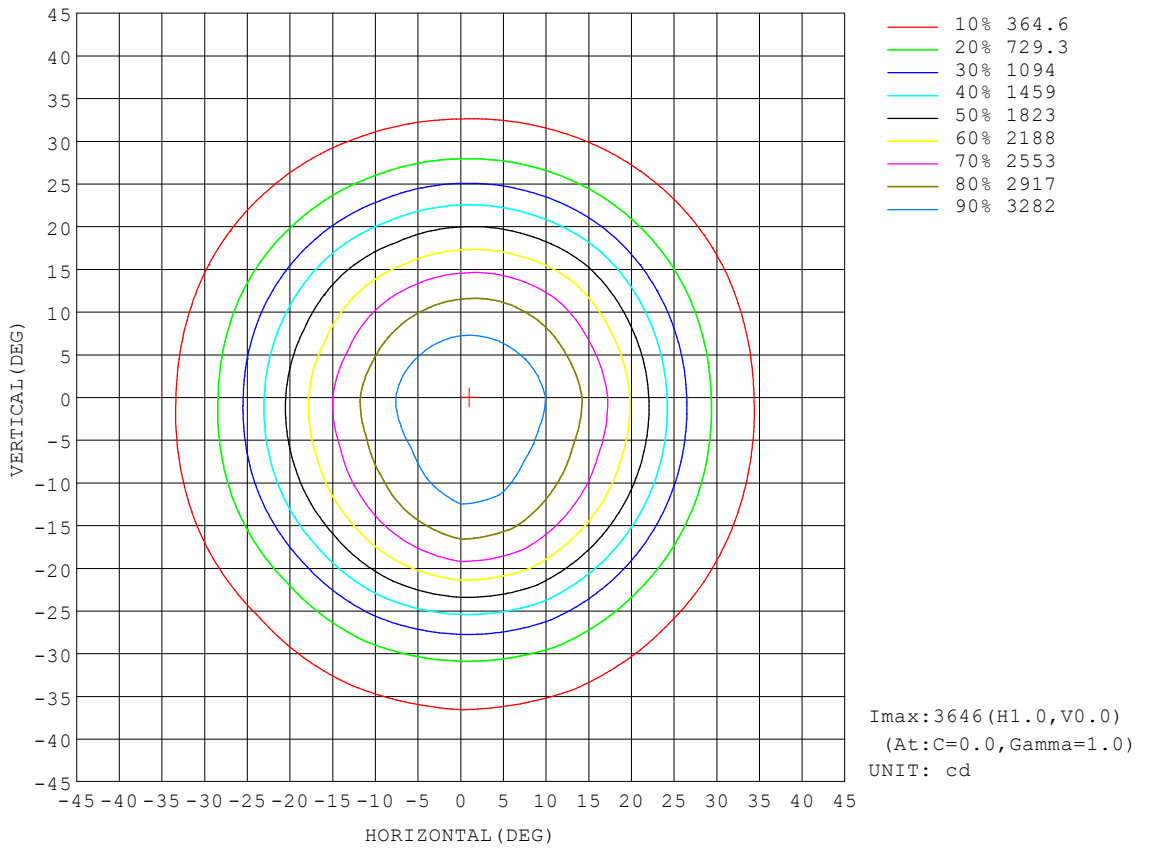
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 86 | 80 | 76 | 86 | 80 | 76 | 85 | 79 | 76 | 72 |
| 0.80 | 94 | 88 | 84 | 93 | 87 | 84 | 92 | 87 | 83 | 80 |
| 1.00 | 98 | 93 | 89 | 98 | 92 | 89 | 96 | 92 | 88 | 84 |
| 1.25 | 103 | 97 | 94 | 101 | 97 | 93 | 100 | 95 | 92 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 100 | 97 | 102 | 98 | 95 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 112 | 108 | 105 | 110 | 107 | 104 | 106 | 104 | 102 | 96 |
| 4.00 | 114 | 111 | 109 | 112 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 113 | 111 | 113 | 111 | 109 | 109 | 107 | 106 | 98 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |

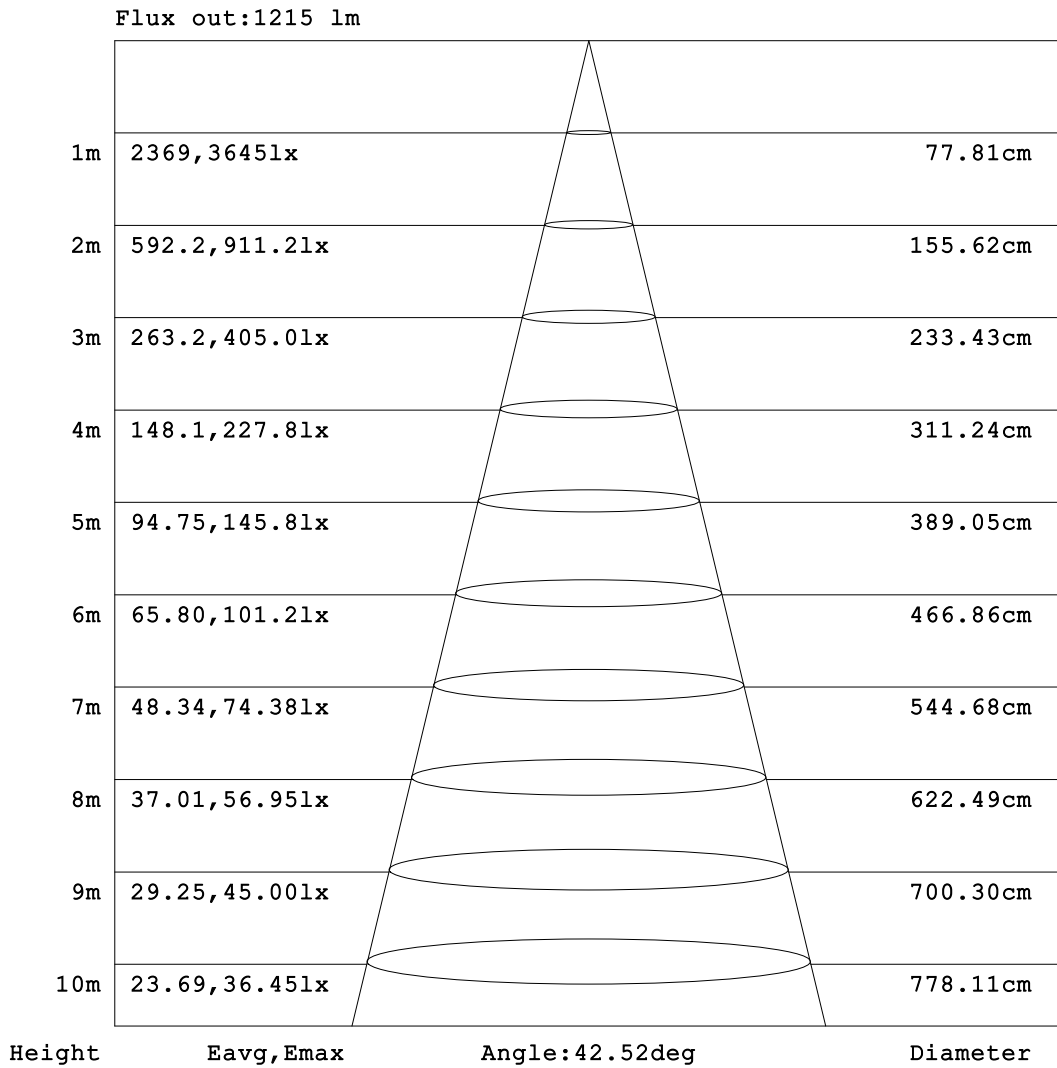


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |



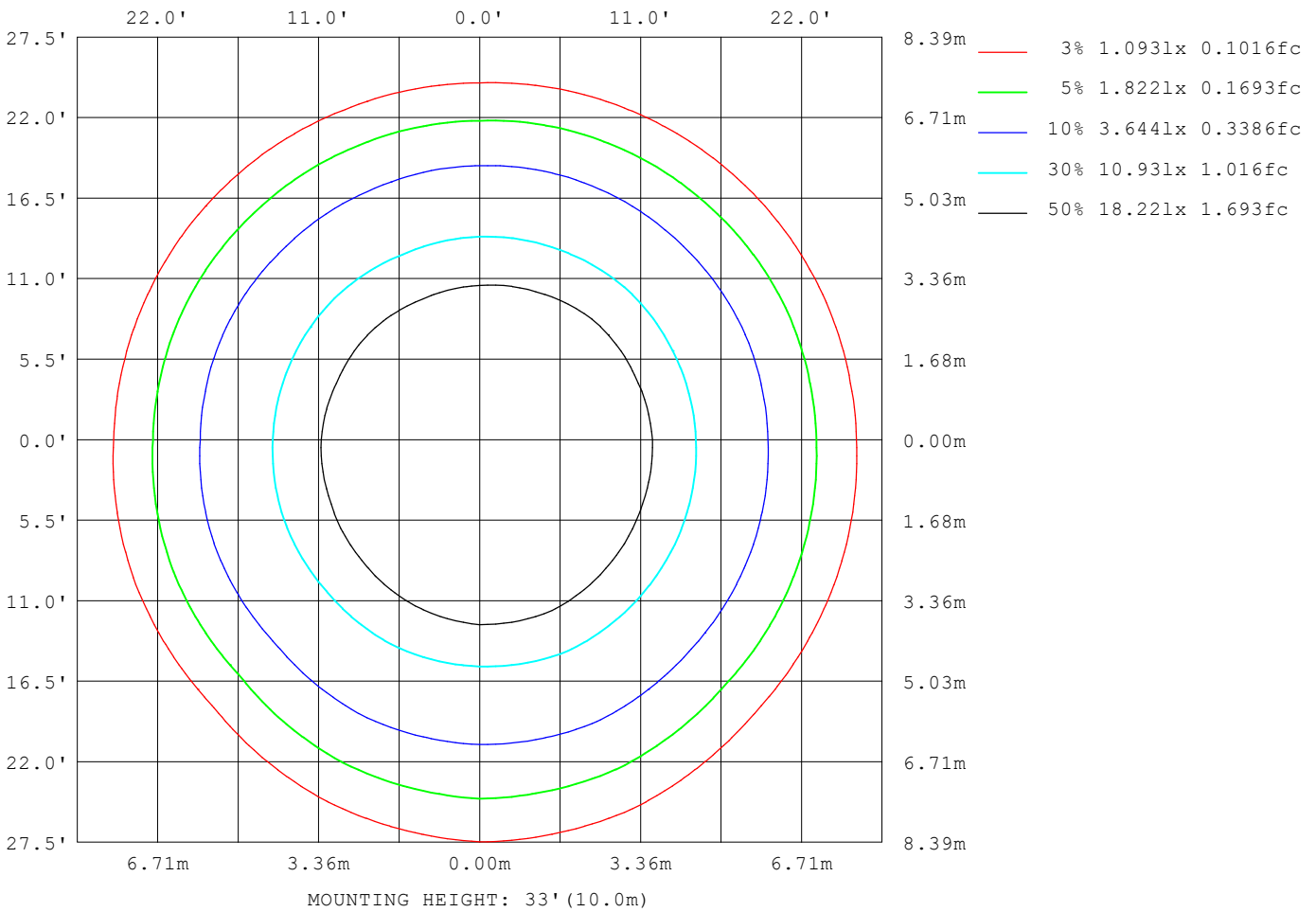
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |

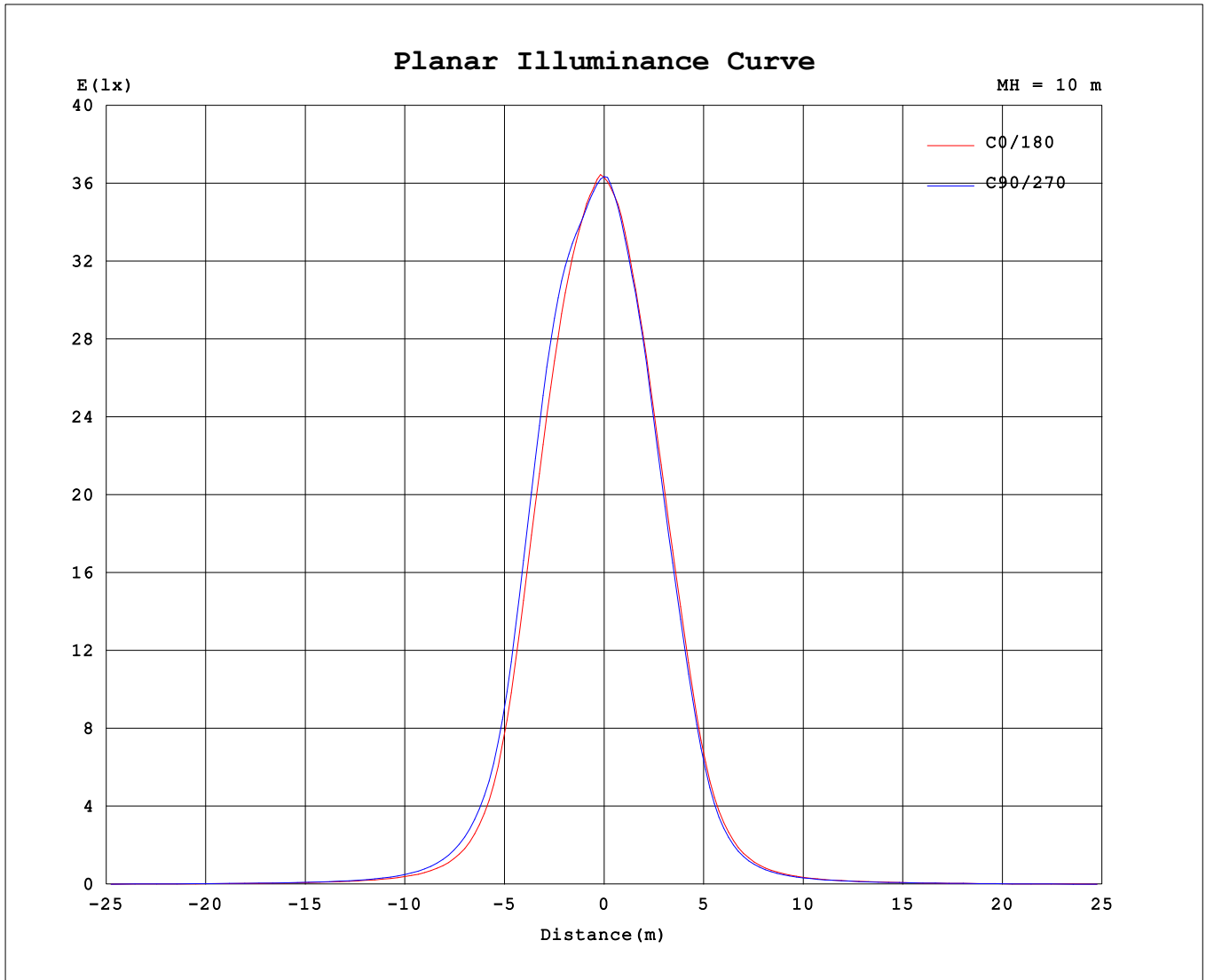
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 654 |
| L_0~180 (75) av | 143 |
| L_0~180 (85) av | 104 |
| L_90~270 (65) av | 680 |
| L_90~270 (75) av | 158 |
| L_90~270 (85) av | 123 |
| L_45 (65) av | 451 |
| L_45 (75) av | 126 |
| L_45 (85) av | 109 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|------------------|
| Test:U:119.72V I:0.1837A P:21.584W PF:0.9807 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2038.29x1 lm | | |
| NAME: ASD-CD-TS-6D24AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 3630 | 3631 | 3631 | 3634 | 3635 | 3634 | 3632 | 3628 | 3630 | 3631 | 3631 | 3634 | 3635 | 3634 | 3632 | 3628 | | | |
| 5 | 3535 | 3533 | 3527 | 3522 | 3513 | 3489 | 3469 | 3466 | 3467 | 3449 | 3435 | 3430 | 3442 | 3466 | 3499 | 3517 | | | |
| 10 | 3279 | 3273 | 3308 | 3381 | 3390 | 3299 | 3170 | 3100 | 3085 | 3027 | 3007 | 3021 | 3059 | 3107 | 3154 | 3220 | | | |
| 15 | 2832 | 2842 | 2947 | 3075 | 3095 | 2918 | 2725 | 2584 | 2550 | 2461 | 2458 | 2444 | 2488 | 2575 | 2672 | 2728 | | | |
| 20 | 2161 | 2210 | 2313 | 2436 | 2426 | 2258 | 2076 | 1958 | 1891 | 1817 | 1805 | 1767 | 1815 | 1891 | 2018 | 2062 | | | |
| 25 | 1321 | 1403 | 1484 | 1580 | 1533 | 1458 | 1313 | 1241 | 1161 | 1126 | 1087 | 1063 | 1100 | 1142 | 1211 | 1255 | | | |
| 30 | 664 | 718 | 765 | 840 | 816 | 778 | 669 | 636 | 581 | 563 | 529 | 518 | 532 | 562 | 592 | 637 | | | |
| 35 | 334 | 361 | 385 | 436 | 443 | 404 | 335 | 318 | 291 | 279 | 266 | 258 | 263 | 276 | 294 | 320 | | | |
| 40 | 182 | 194 | 205 | 236 | 242 | 216 | 182 | 173 | 161 | 154 | 151 | 145 | 145 | 153 | 164 | 173 | | | |
| 45 | 112 | 117 | 122 | 137 | 142 | 128 | 112 | 107 | 102 | 98.0 | 96.7 | 94.0 | 94.0 | 97.7 | 103 | 107 | | | |
| 50 | 77.1 | 78.2 | 81.0 | 88.0 | 91.1 | 83.4 | 75.6 | 73.2 | 72.0 | 69.0 | 68.2 | 67.3 | 68.6 | 69.0 | 70.8 | 72.6 | | | |
| 55 | 57.4 | 57.0 | 57.8 | 62.3 | 64.9 | 59.7 | 54.7 | 54.2 | 54.9 | 51.9 | 50.5 | 51.2 | 53.1 | 52.1 | 51.9 | 53.7 | | | |
| 60 | 43.8 | 41.7 | 39.8 | 44.9 | 48.3 | 43.3 | 38.2 | 40.1 | 42.5 | 38.4 | 36.0 | 37.9 | 41.4 | 38.4 | 36.4 | 39.3 | | | |
| 65 | 30.6 | 25.8 | 21.4 | 27.2 | 34.0 | 26.7 | 21.7 | 25.6 | 30.8 | 24.8 | 21.0 | 24.6 | 29.9 | 24.4 | 20.7 | 24.5 | | | |
| 70 | 13.2 | 10.3 | 8.44 | 10.6 | 17.7 | 10.7 | 8.61 | 10.9 | 16.4 | 10.6 | 8.71 | 10.6 | 16.1 | 10.5 | 8.52 | 9.79 | | | |
| 75 | 3.82 | 3.69 | 3.55 | 3.75 | 4.42 | 3.78 | 3.63 | 3.90 | 4.43 | 3.88 | 3.78 | 3.92 | 4.70 | 3.84 | 3.58 | 3.62 | | | |
| 80 | 2.37 | 2.39 | 2.34 | 2.52 | 2.47 | 2.54 | 2.44 | 2.60 | 2.60 | 2.61 | 2.60 | 2.69 | 2.62 | 2.62 | 2.42 | 2.34 | | | |
| 85 | 0.89 | 0.92 | 0.98 | 1.10 | 1.13 | 1.13 | 1.07 | 1.10 | 1.12 | 1.07 | 1.15 | 1.23 | 1.24 | 1.17 | 1.02 | 0.87 | | | |
| 90 | 0.12 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.07 | 0.07 | 0.09 | 0.07 | 0.07 | 0.08 | 0.10 | 0.07 | 0.06 | 0.07 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-04-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks: