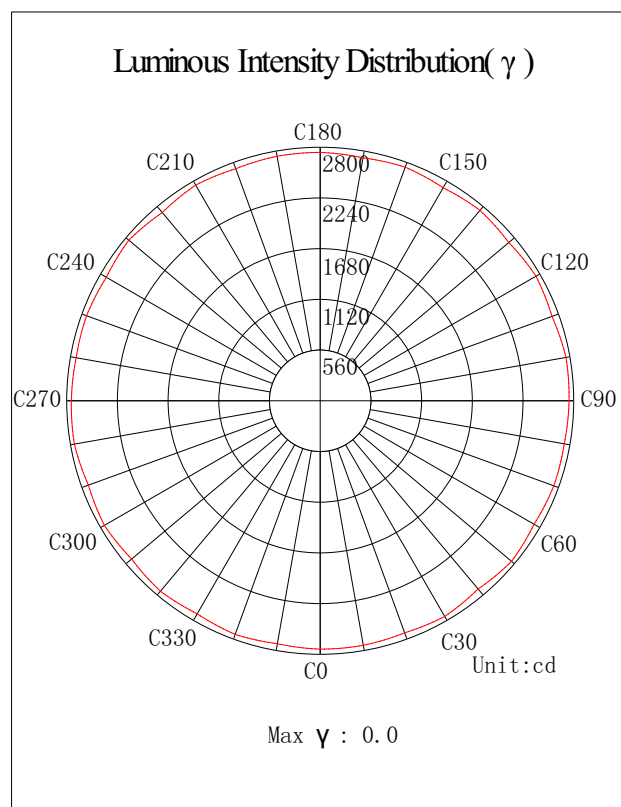
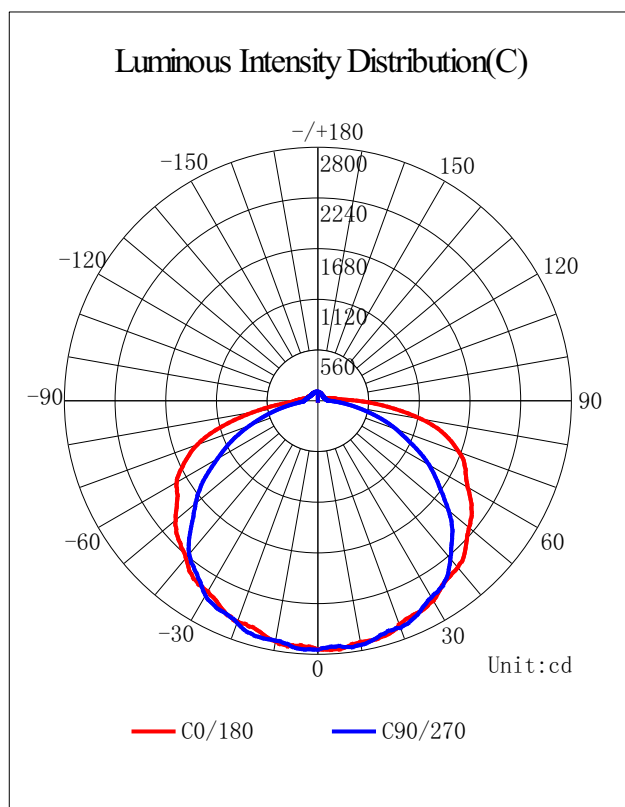


SSP6316-D50: Lamp Space Intensity Distribution

Photometric Data of Luminaire

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |

| Lamp Test Data | | | |
|--------------------|-------------------|-----------------|----------------|
| Lamp Flux: | 10545.16 lm | Center Cd.: | 2737.7 cd |
| Max(C, γ): | (50, 0.0) | Maximum Cd.: | 2759.2 cd |
| BeamAngle(50%): | 146.0 Deg | BeamAngle(10%): | 185.0 Deg |
| Flux(0-90): | 9875.87 lm(93.7%) | Flux(90-180): | 669.3 lm(6.3%) |
| LuminousEfficacy: | 99.77 lm/W | | |



| | | | | | |
|----------------|----------|--------------------|------------|-----------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No.: | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |

SSP6316-D50: Lamp Space Intensity Distribution

Zonal Flux Diagram

Zonal Flux Diagram:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Fzone | Ftotal | %lamp | %lum |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|---------|----------|--------|--------|
| 10 | 2705.3 | 2720.4 | 2737.7 | 2722.8 | 2699.2 | 2711.7 | 2690.0 | 2681.1 | 0-10 | 259.74 | 259.74 | 2.47 | 2.47 |
| 20 | 2626.7 | 2631.6 | 2667.7 | 2661.8 | 2594.8 | 2604.2 | 2609.5 | 2567.4 | 10-20 | 755.08 | 1014.83 | 9.63 | 9.63 |
| 30 | 2550.3 | 2493.9 | 2508.3 | 2530.8 | 2431.7 | 2451.2 | 2482.7 | 2394.0 | 20-30 | 1180.63 | 2195.46 | 20.82 | 20.82 |
| 40 | 2402.7 | 2273.0 | 2276.3 | 2322.1 | 2269.1 | 2217.1 | 2210.8 | 2129.5 | 30-40 | 1491.63 | 3687.09 | 34.97 | 34.97 |
| 50 | 2178.7 | 1938.8 | 1883.5 | 1988.3 | 2049.7 | 1893.2 | 1763.8 | 1800.3 | 40-50 | 1621.99 | 5309.08 | 50.35 | 50.35 |
| 60 | 1910.0 | 1592.3 | 1419.7 | 1654.2 | 1800.3 | 1579.7 | 1282.2 | 1469.2 | 50-60 | 1570.00 | 6879.08 | 65.24 | 65.24 |
| 70 | 1659.5 | 1278.5 | 922.2 | 1346.4 | 1416.5 | 1272.2 | 799.6 | 1144.5 | 60-70 | 1389.89 | 8268.96 | 78.42 | 78.42 |
| 80 | 1157.9 | 875.0 | 451.5 | 1043.8 | 726.4 | 845.5 | 357.4 | 556.7 | 70-80 | 1059.92 | 9328.88 | 88.47 | 88.47 |
| 90 | 437.8 | 220.6 | 132.5 | 483.1 | 251.8 | 231.1 | 151.8 | 186.3 | 80-90 | 546.99 | 9875.87 | 93.66 | 93.66 |
| 100 | 164.0 | 95.8 | 91.3 | 129.4 | 142.1 | 130.8 | 125.8 | 119.2 | 90-100 | 192.61 | 10068.48 | 95.48 | 95.48 |
| 110 | 84.5 | 76.4 | 80.8 | 80.1 | 117.1 | 113.2 | 110.5 | 103.2 | 100-110 | 113.70 | 10182.18 | 96.56 | 96.56 |
| 120 | 79.8 | 71.6 | 75.2 | 75.4 | 104.2 | 103.5 | 100.7 | 93.0 | 110-120 | 90.61 | 10272.78 | 97.42 | 97.42 |
| 130 | 77.9 | 70.5 | 74.5 | 75.3 | 97.2 | 98.3 | 97.1 | 88.5 | 120-130 | 77.13 | 10349.91 | 98.15 | 98.15 |
| 140 | 77.7 | 72.6 | 77.2 | 77.1 | 95.8 | 97.0 | 95.1 | 87.4 | 130-140 | 65.53 | 10415.44 | 98.77 | 98.77 |
| 150 | 80.4 | 77.0 | 82.3 | 80.6 | 96.9 | 97.4 | 95.5 | 88.5 | 140-150 | 53.92 | 10469.36 | 99.29 | 99.29 |
| 160 | 85.1 | 83.2 | 87.8 | 85.1 | 96.8 | 98.3 | 97.3 | 90.0 | 150-160 | 41.02 | 10510.39 | 99.68 | 99.68 |
| 170 | 90.3 | 89.4 | 92.2 | 89.4 | 94.7 | 97.8 | 98.6 | 91.2 | 160-170 | 25.94 | 10536.32 | 99.92 | 99.92 |
| 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 170-180 | 8.84 | 10545.16 | 100.00 | 100.00 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | | |

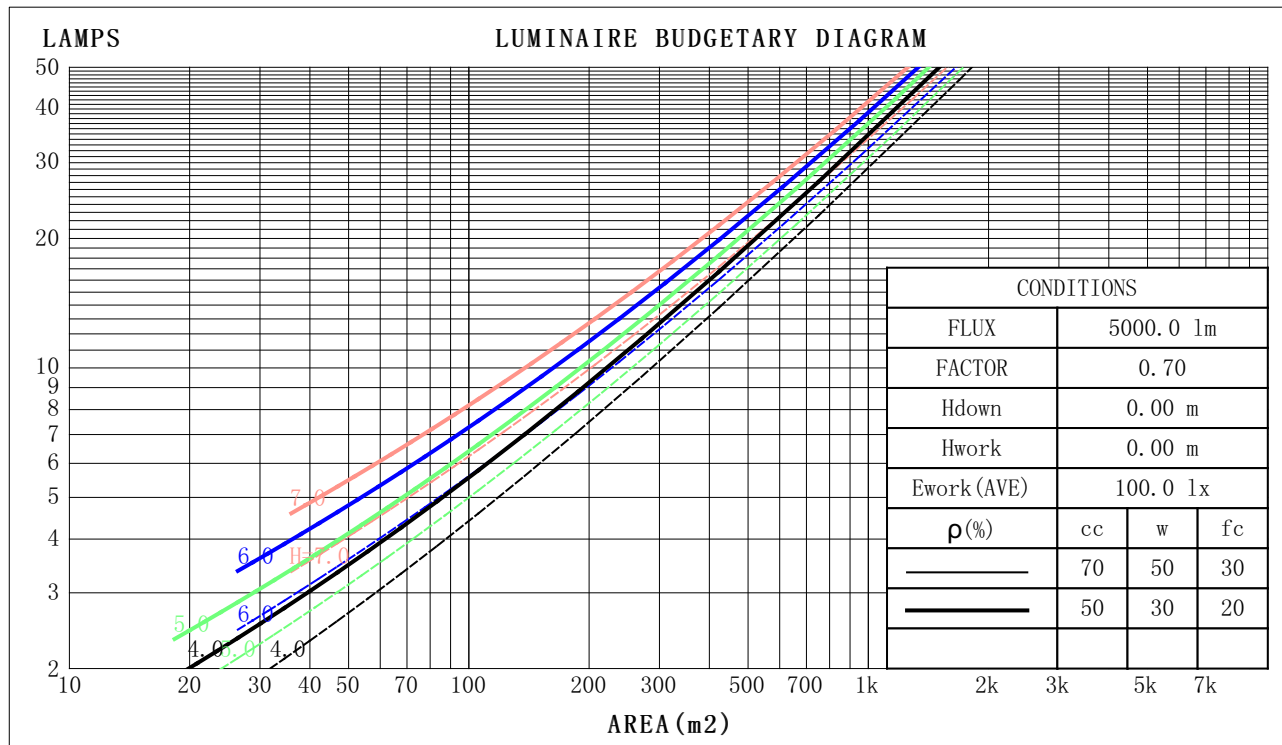
| | | | | | |
|----------------|----------|--------------------|------------|-----------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No.: | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |

SSP6316-D50: Lamp Space Intensity Distribution

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |

| 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 Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.14 | 1.14 | 1.14 | 1.08 | 1.08 | 1.08 | 1.02 | 1.02 | 1.02 | .96 | .96 | .96 | .94 |
| 1.0 | .99 | .94 | .90 | .97 | .92 | .88 | .91 | .87 | .84 | .86 | .83 | .80 | .81 | .79 | .77 | .74 |
| 2.0 | .85 | .78 | .71 | .83 | .76 | .70 | .78 | .72 | .67 | .74 | .69 | .65 | .70 | .66 | .62 | .60 |
| 3.0 | .74 | .65 | .58 | .72 | .64 | .57 | .68 | .61 | .55 | .64 | .58 | .53 | .61 | .56 | .52 | .49 |
| 4.0 | .65 | .56 | .48 | .63 | .54 | .48 | .60 | .52 | .46 | .57 | .50 | .45 | .54 | .48 | .44 | .41 |
| 5.0 | .58 | .48 | .41 | .56 | .47 | .41 | .53 | .45 | .39 | .51 | .44 | .38 | .48 | .42 | .37 | .35 |
| 6.0 | .52 | .42 | .35 | .50 | .42 | .35 | .48 | .40 | .34 | .46 | .39 | .33 | .43 | .37 | .33 | .30 |
| 7.0 | .47 | .37 | .31 | .46 | .37 | .31 | .43 | .36 | .30 | .41 | .34 | .29 | .39 | .33 | .29 | .27 |
| 8.0 | .42 | .34 | .28 | .41 | .33 | .27 | .40 | .32 | .27 | .38 | .31 | .26 | .36 | .30 | .26 | .23 |
| 9.0 | .39 | .30 | .25 | .38 | .30 | .24 | .36 | .29 | .24 | .35 | .28 | .23 | .33 | .27 | .23 | .21 |
| 10.0 | .36 | .28 | .22 | .35 | .27 | .22 | .34 | .26 | .22 | .32 | .26 | .21 | .31 | .25 | .21 | .19 |



| | | | | | |
|----------------|----------|-------------|------------|-----------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No.: | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |



SSP6316-D50: Lamp Space Intensity Distribution

WEC AND CCEC

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |

| p _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .365 | .208 | .066 | .356 | .203 | .065 | .339 | .195 | .062 | .323 | .187 | .060 | .309 | .179 | .058 | |
| 2.0 | .327 | .179 | .055 | .319 | .176 | .054 | .303 | .169 | .052 | .289 | .162 | .051 | .276 | .156 | .049 | |
| 3.0 | .294 | .157 | .047 | .287 | .154 | .046 | .273 | .148 | .045 | .261 | .143 | .044 | .249 | .138 | .043 | |
| 4.0 | .267 | .139 | .041 | .260 | .136 | .040 | .248 | .132 | .039 | .237 | .127 | .038 | .226 | .123 | .037 | |
| 5.0 | .244 | .124 | .036 | .238 | .122 | .036 | .227 | .118 | .035 | .217 | .114 | .034 | .207 | .111 | .033 | |
| 6.0 | .224 | .112 | .032 | .219 | .110 | .032 | .209 | .107 | .031 | .199 | .104 | .030 | .191 | .100 | .030 | |
| 7.0 | .207 | .102 | .029 | .202 | .101 | .029 | .193 | .098 | .028 | .185 | .095 | .028 | .177 | .092 | .027 | |
| 8.0 | .192 | .094 | .026 | .188 | .093 | .026 | .180 | .090 | .026 | .172 | .087 | .025 | .165 | .085 | .025 | |
| 9.0 | .179 | .087 | .024 | .175 | .085 | .024 | .168 | .083 | .024 | .161 | .081 | .023 | .154 | .078 | .023 | |
| 10.0 | .168 | .081 | .022 | .164 | .079 | .022 | .158 | .077 | .022 | .151 | .075 | .021 | .145 | .073 | .021 | |

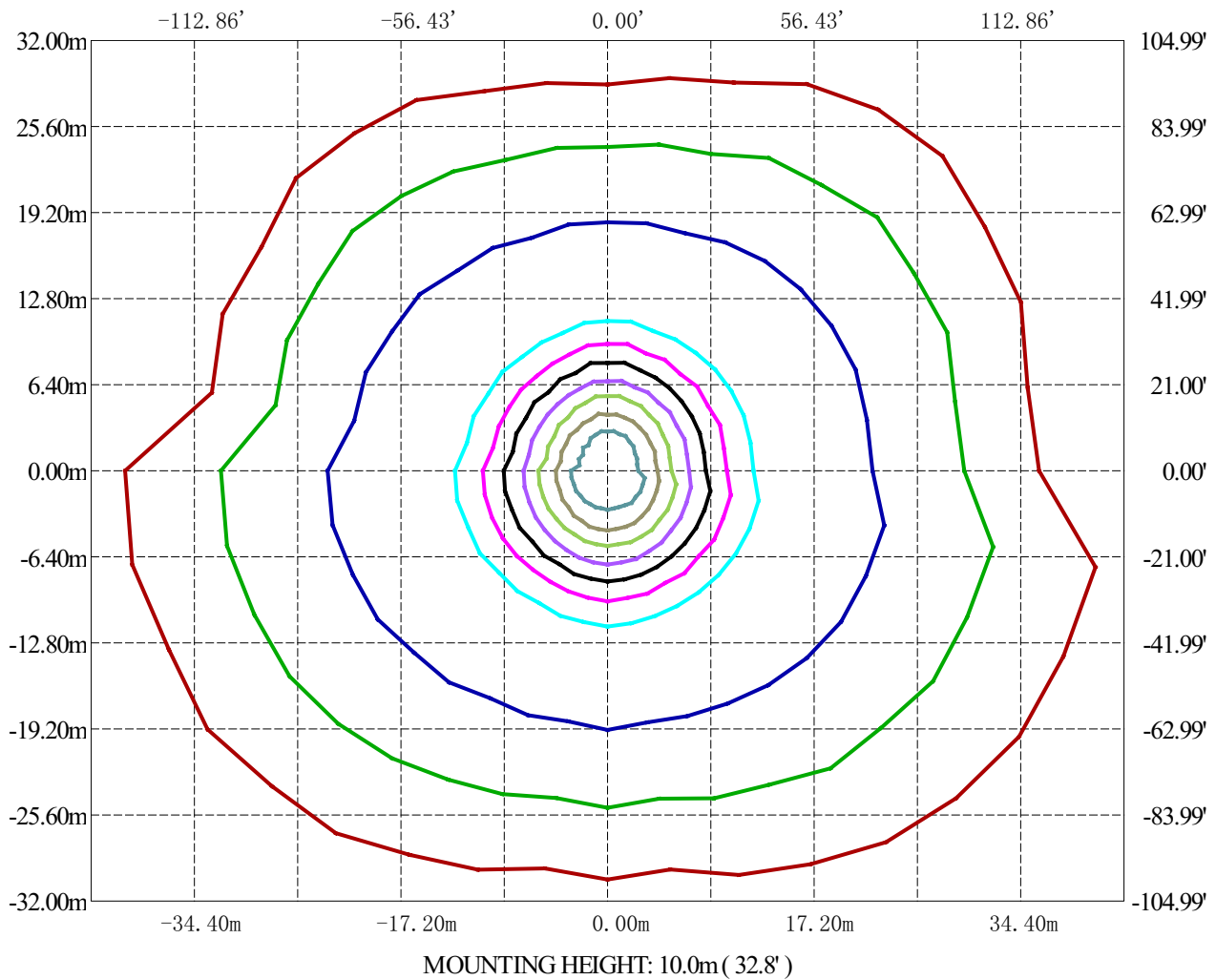
| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | | | | |
| 0.0 | .239 | .239 | .239 | .204 | .204 | .204 | .139 | .139 | .139 | .080 | .080 | .080 | .026 | .026 | .026 | |
| 1.0 | .233 | .204 | .179 | .199 | .175 | .154 | .136 | .121 | .106 | .078 | .070 | .062 | .025 | .022 | .020 | |
| 2.0 | .226 | .181 | .143 | .194 | .156 | .123 | .133 | .108 | .086 | .076 | .063 | .050 | .025 | .020 | .016 | |
| 3.0 | .219 | .164 | .120 | .187 | .141 | .104 | .129 | .098 | .073 | .074 | .057 | .043 | .024 | .019 | .014 | |
| 4.0 | .211 | .151 | .105 | .181 | .130 | .091 | .124 | .091 | .064 | .072 | .053 | .038 | .023 | .017 | .013 | |
| 5.0 | .203 | .141 | .095 | .174 | .122 | .083 | .120 | .085 | .058 | .070 | .050 | .035 | .022 | .016 | .011 | |
| 6.0 | .196 | .133 | .088 | .168 | .115 | .076 | .116 | .080 | .054 | .067 | .047 | .032 | .022 | .015 | .011 | |
| 7.0 | .189 | .126 | .082 | .162 | .109 | .072 | .112 | .077 | .051 | .065 | .045 | .030 | .021 | .015 | .010 | |
| 8.0 | .182 | .120 | .078 | .156 | .104 | .068 | .108 | .073 | .048 | .063 | .043 | .029 | .020 | .014 | .010 | |
| 9.0 | .175 | .115 | .075 | .151 | .100 | .065 | .105 | .070 | .046 | .061 | .042 | .028 | .020 | .014 | .009 | |
| 10.0 | .169 | .111 | .072 | .146 | .096 | .063 | .101 | .068 | .045 | .059 | .040 | .027 | .019 | .013 | .009 | |

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 5.000 m Date: 2016-06-04 Time: 16:28:16
 Other:

SSP6316-D50: Lamp Space Intensity Distribution

ISOLUX Diagram

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |



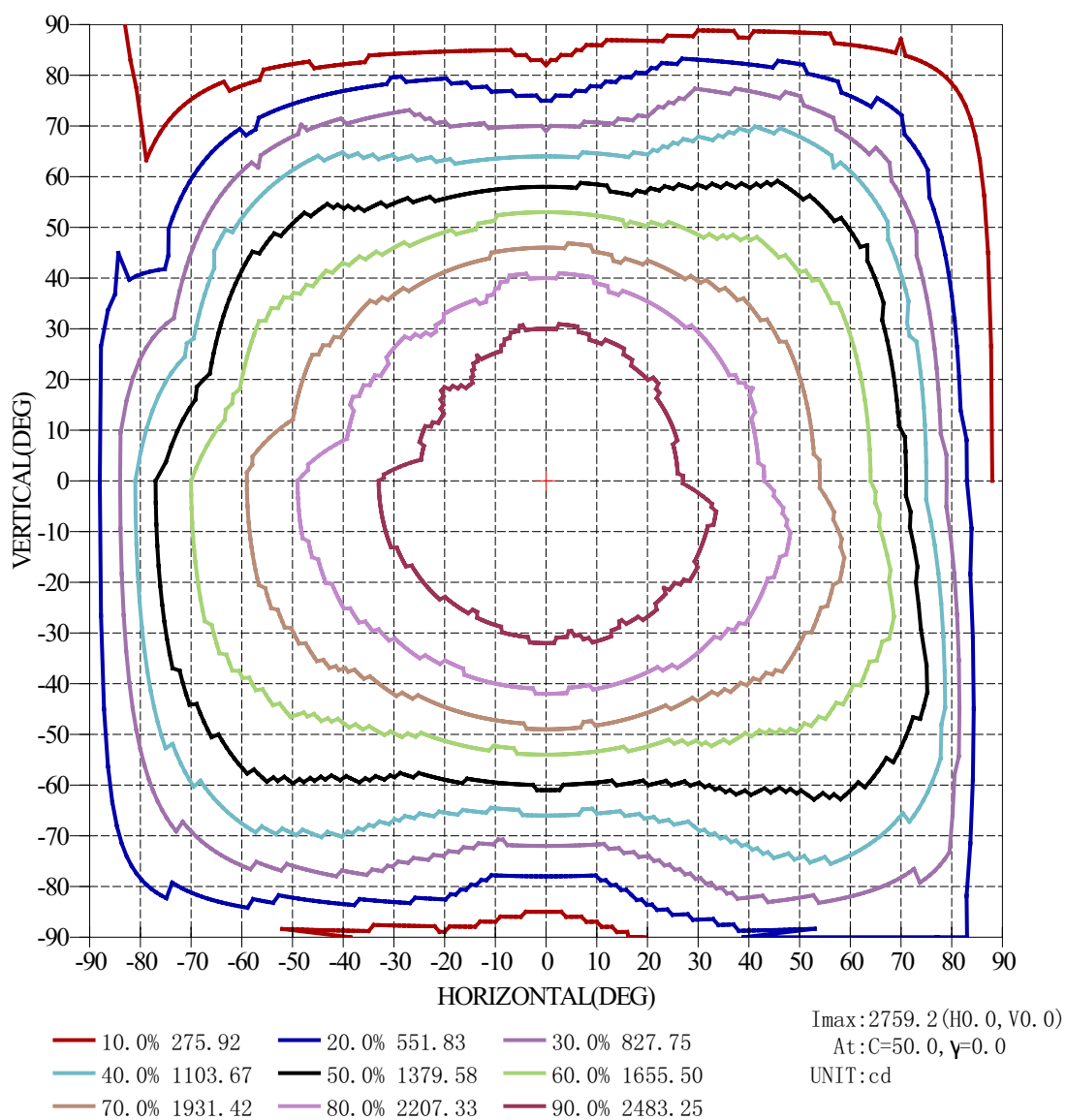
| | | |
|-------------------------|-------------------------|-------------------------|
| 3.0% 0.8213lx 0.0763fc | 5.0% 1.3688lx 0.1272fc | 10.0% 2.7377lx 0.2543fc |
| 30.0% 8.2130lx 0.7630fc | 40.0% 10.951lx 1.0173fc | 50.0% 13.688lx 1.2717fc |
| 60.0% 16.426lx 1.5260fc | 70.0% 19.164lx 1.7803fc | 80.0% 21.901lx 2.0346fc |
| 90.0% 24.639lx 2.2890fc | | |

| | | | | | |
|----------------|----------|-------------|------------|-----------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No.: | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |

SSP6316-D50: Lamp Space Intensity Distribution

ISOCANDELA Diagram

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |

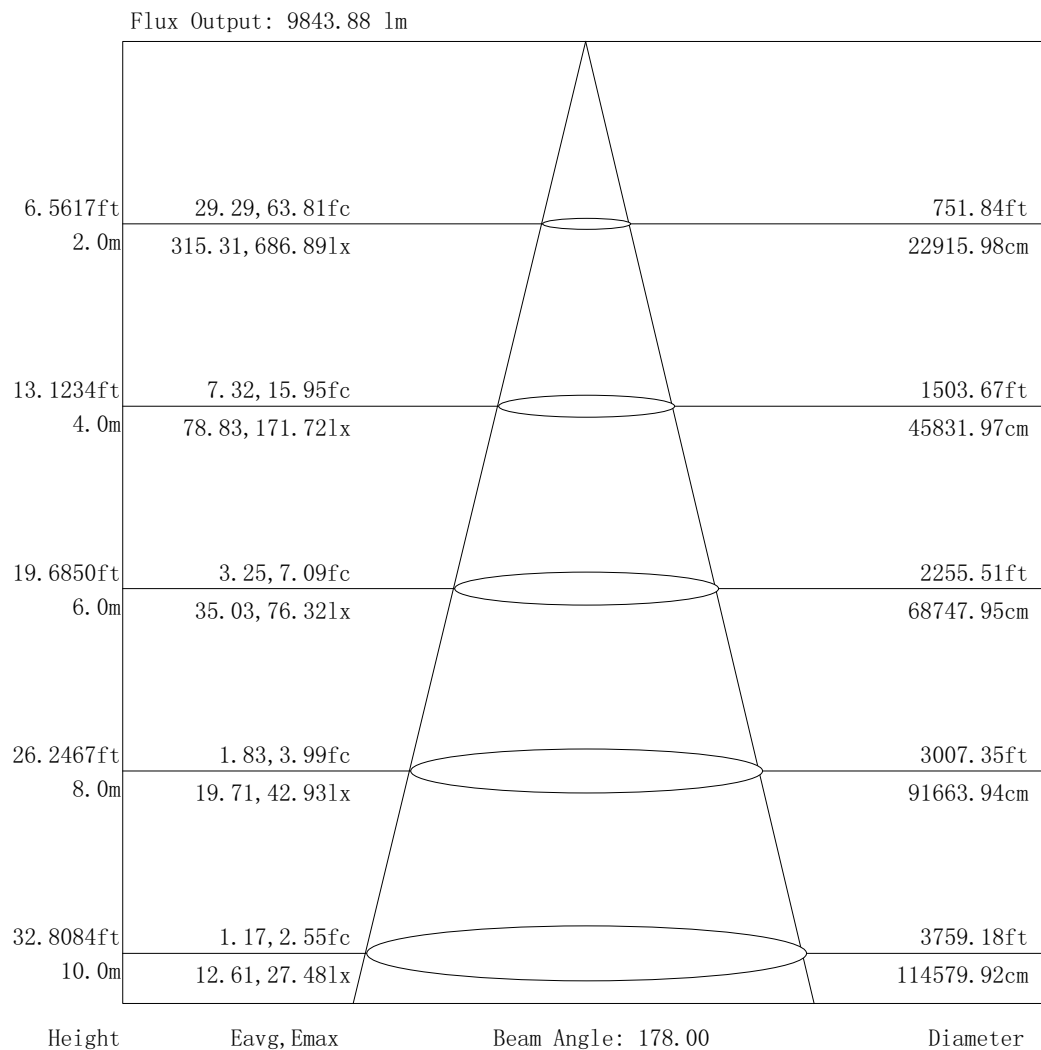


| | | | | | |
|----------------|----------|-------------|------------|-----------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No.: | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |

SSP6316-D50: Lamp Space Intensity Distribution

Effective Average Illuminance Diagram

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |



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

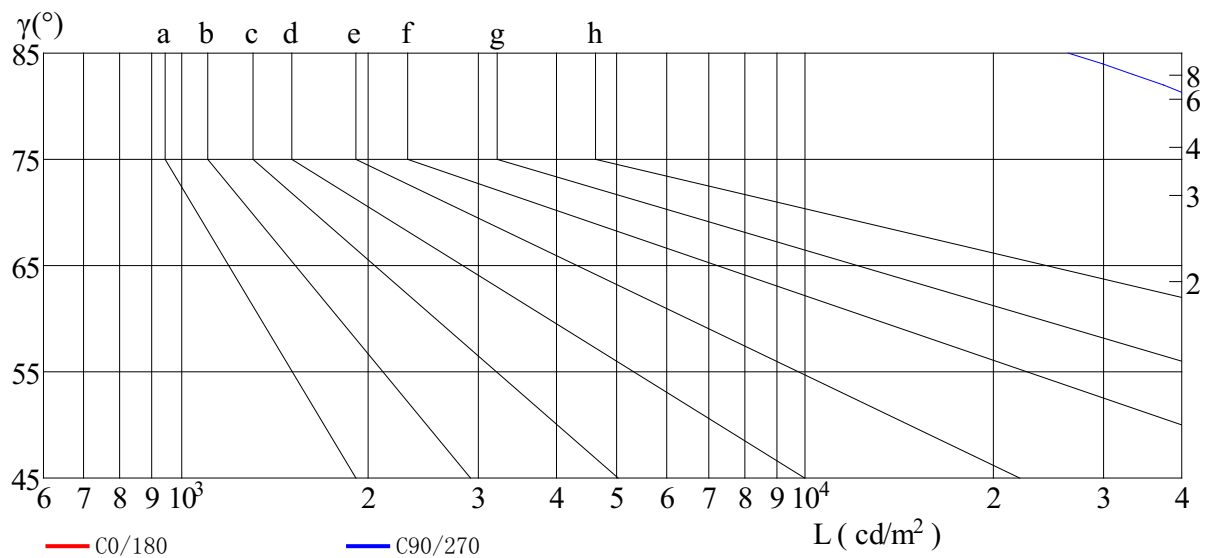
| | | | | | |
|----------------|----------|-------------|------------|------------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No. : | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |

SSP6316-D50: Lamp Space Intensity Distribution

Luminance Limitation Curves

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |



| C/Gama | 85 | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | Unit |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| C0 | 78033 | 115791 | 145552 | 165951 | 180086 | 190996 | 207020 | 217866 | 230609 | cd/m2 |
| C90 | 26324 | 45152 | 68369 | 92223 | 115811 | 141975 | 163351 | 188347 | 209779 | |

C Angle Range: 0-360Deg γ Range: 0-180Deg Test No.: 001
 C Precious: 10 Deg γ Precious: 1 Deg Tester: QA Shan
 Distance: 5.000 m Date: 2016-06-04 Time: 16:28:16
 Other:

SSP6316-D50: Lamp Space Intensity Distribution Tester

UTILIZATION FACTORS TABLE

| Lamp Description | | | | | |
|------------------|--------------------------------|----------------|-------------|-----------------|-----------|
| Lamp Name: | POZEEN 6+6PCS SLT818P450-S | Lamp Des: | | Lamp Weight: | 0.010Kg |
| Manufac: | STARCO LIGHTING | Lamp Size(cm): | 0.0*0.0*0.0 | Light Area(cm): | 0.0*0.0 |
| Electrical: | U:278.300V I:0.408A P:105.700W | | | LuminareFlux: | 1*0.00 lm |

| REFLECTANCE | | | | | | | | | |
|-------------------------------|--|-----|-----------|-----|-----|-----|-------------|-----|-----|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| ROOM INDEX | UTILIZATION FACTORS (PERFECT) $k(RI) \times RCR = 5$ | | | | | | | | |
| $k = 0.60$ | 53 | 40 | 32 | 52 | 39 | 32 | 50 | 39 | 32 |
| 0.80 | 62 | 49 | 41 | 61 | 49 | 41 | 58 | 47 | 40 |
| 1.00 | 71 | 58 | 49 | 69 | 57 | 49 | 66 | 55 | 48 |
| 1.25 | 78 | 66 | 57 | 76 | 64 | 57 | 72 | 62 | 55 |
| 1.50 | 83 | 71 | 63 | 80 | 70 | 62 | 76 | 67 | 61 |
| 2.00 | 90 | 80 | 72 | 87 | 78 | 71 | 83 | 75 | 69 |
| 2.50 | 94 | 85 | 78 | 91 | 83 | 76 | 86 | 79 | 74 |
| 3.00 | 98 | 90 | 83 | 95 | 87 | 81 | 89 | 83 | 78 |
| 4.00 | 102 | 95 | 89 | 99 | 93 | 88 | 93 | 88 | 84 |
| 5.00 | 105 | 99 | 94 | 102 | 96 | 92 | 96 | 92 | 88 |
| ROOM INDEX | UF(total) | | | | | | | | |
| According to BS EN 13032-2004 | | | Suspended | | | | SHRNOM=1.25 | | |

| | | | | | |
|----------------|----------|-------------|------------|-----------|----------|
| C Angle Range: | 0-360Deg | γ Range: | 0-180Deg | Test No.: | 001 |
| C Precious: | 10 Deg | γ Precious: | 1 Deg | Tester: | QA Shan |
| Distance: | 5.000 m | Date: | 2016-06-04 | Time: | 16:28:16 |
| Other: | | | | | |