

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-10LXXK-XWEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_12_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 4/27/2017
[UPDATE] 3/29/2018
[LUMINAIRE] Nom.6" Diam x 12"H. LED Cylinder XT Series, Xtra Wide Beam
[LUMCAT] C0612XT-10L-xxK-XW-EX-BB-NL-MW
[OTHER] Matte White finish, Black baffle, no lens
[OTHER] 61.9 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 50L

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 788 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 87 |
| Total Luminaire Watts | 9.1 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.98 |
| Spacing Criterion (90-270) | 0.98 |
| Spacing Criterion (Diagonal) | 0.92 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.52 ft (Diameter) |
| Luminous Width (90-270) | 0.52 ft (Diameter) |
| Luminous Height | 0.00 ft |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-10LXXK-XWEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 681 | 526 | 458 |
| 55 | 32 | 38 | 23 |
| 65 | 36 | 37 | 29 |
| 75 | 72 | 67 | 49 |
| 85 | 199 | 211 | 239 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-10LXXK-XWEX-BB-NL-MW.IES****CANDELA TABULATION**

| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|
| 0 | 880.928 | 880.928 | 880.928 | 880.928 | 880.928 |
| 5 | 875.387 | 878.378 | 881.212 | 880.585 | 879.268 |
| 10 | 855.423 | 858.583 | 862.311 | 863.165 | 862.303 |
| 15 | 814.992 | 818.909 | 821.585 | 820.954 | 817.049 |
| 20 | 742.106 | 744.725 | 745.063 | 745.643 | 742.897 |
| 25 | 632.000 | 632.696 | 633.679 | 632.353 | 629.028 |
| 30 | 490.237 | 490.871 | 491.033 | 488.952 | 486.741 |
| 35 | 284.624 | 286.071 | 288.596 | 286.495 | 284.127 |
| 40 | 78.304 | 73.541 | 62.311 | 55.788 | 61.687 |
| 45 | 9.504 | 7.767 | 7.347 | 5.897 | 6.391 |
| 50 | 0.464 | 0.359 | 0.421 | 0.653 | 0.513 |
| 55 | 0.365 | 0.508 | 0.435 | 0.351 | 0.259 |
| 60 | 0.293 | 0.339 | 0.346 | 0.458 | 0.299 |
| 65 | 0.300 | 0.346 | 0.311 | 0.275 | 0.245 |
| 70 | 0.270 | 0.336 | 0.194 | 0.349 | 0.240 |
| 75 | 0.369 | 0.195 | 0.343 | 0.377 | 0.252 |
| 80 | 0.364 | 0.329 | 0.173 | 0.244 | 0.201 |
| 85 | 0.342 | 0.247 | 0.363 | 0.338 | 0.411 |
| 90 | 0.382 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-10LXXK-XWEX-BB-NL-MW.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|-------|--------|
| 0-20 | 311.84 | N.A. | 39.60 |
| 0-30 | 598.25 | N.A. | 76.00 |
| 0-40 | 771.25 | N.A. | 97.90 |
| 0-60 | 786.62 | N.A. | 99.90 |
| 0-80 | 787.24 | N.A. | 100.00 |
| 0-90 | 787.50 | N.A. | 100.00 |
| 10-90 | 704.21 | N.A. | 89.40 |
| 20-40 | 459.41 | N.A. | 58.30 |
| 20-50 | 474.42 | N.A. | 60.20 |
| 40-70 | 15.69 | N.A. | 2.00 |
| 60-80 | 0.61 | N.A. | 0.10 |
| 70-80 | 0.30 | N.A. | 0.00 |
| 80-90 | 0.26 | N.A. | 0.00 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 787.50 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 83.29 |
| 10-20 | 228.55 |
| 20-30 | 286.41 |
| 30-40 | 173.00 |
| 40-50 | 15.01 |
| 50-60 | 0.37 |
| 60-70 | 0.31 |
| 70-80 | 0.30 |
| 80-90 | 0.26 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

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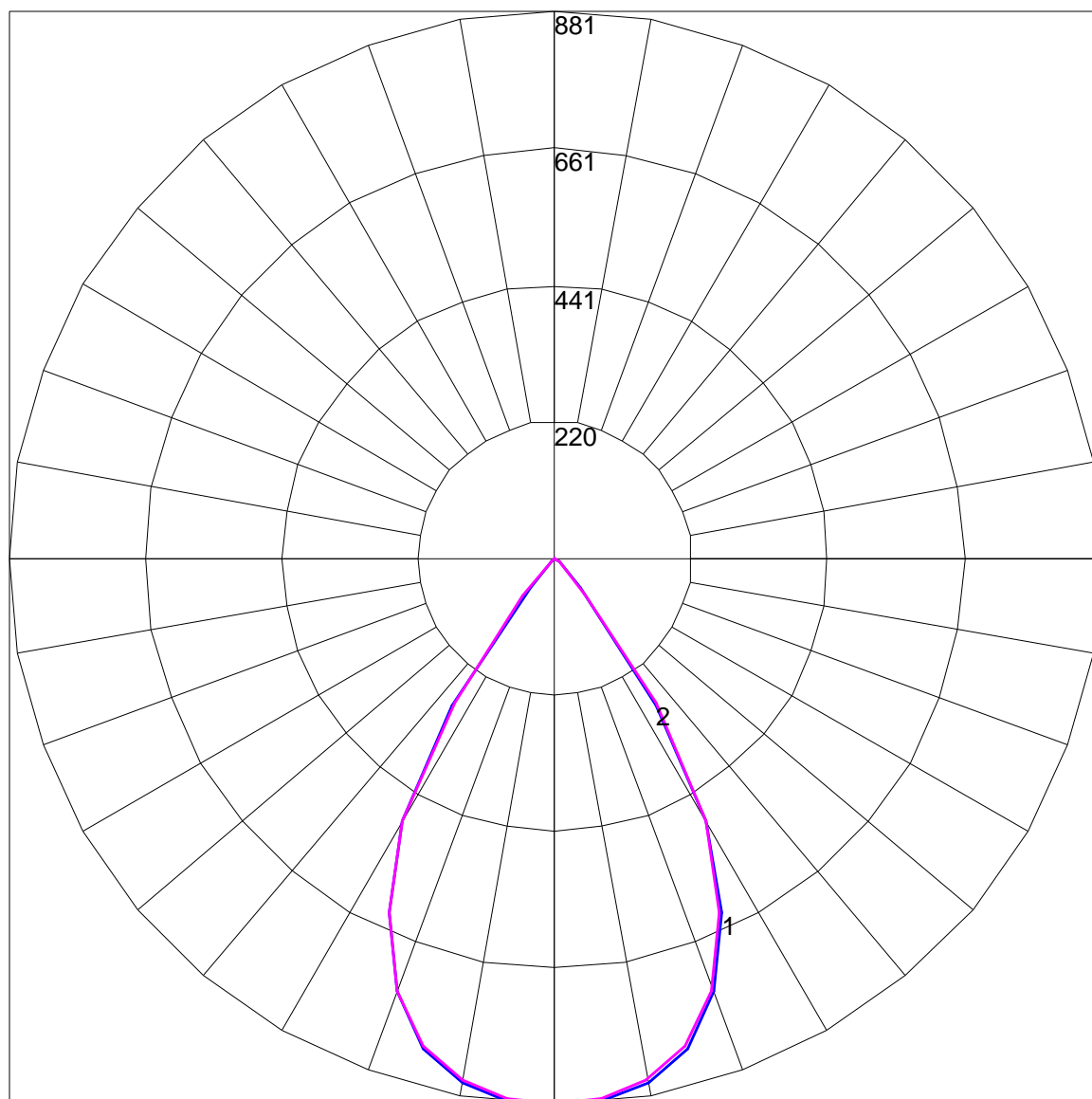
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 90 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 82 |
| 4 | 98 | 91 | 86 | 82 | 96 | 90 | 85 | 81 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 85 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 80 | 76 | 73 | 72 |
| 6 | 89 | 80 | 75 | 71 | 88 | 80 | 74 | 70 | 78 | 73 | 70 | 77 | 73 | 69 | 75 | 72 | 69 | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 70 | 66 | 74 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 63 |
| 8 | 81 | 72 | 66 | 62 | 80 | 71 | 65 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 60 |
| 9 | 77 | 68 | 62 | 58 | 76 | 67 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 58 | 65 | 60 | 57 | 56 |
| 10 | 73 | 64 | 58 | 55 | 72 | 64 | 58 | 55 | 63 | 58 | 54 | 62 | 58 | 54 | 61 | 57 | 54 | 53 |

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POLAR GRAPH



Maximum Candela = 881.212 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)