

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-13LXXK-XWEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_12_M-13L
[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-13L-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 | 1061 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 82 |
| Total Luminaire Watts | 13 |
| 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-13LXXK-XWEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 917 | 709 | 617 |
| 55 | 43 | 52 | 31 |
| 65 | 48 | 50 | 40 |
| 75 | 97 | 90 | 67 |
| 85 | 268 | 285 | 321 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-13LXXK-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 | 1186.743 | 1186.743 | 1186.743 | 1186.743 | 1186.743 |
| 5 | 1179.277 | 1183.308 | 1187.124 | 1186.281 | 1184.506 |
| 10 | 1152.383 | 1156.641 | 1161.662 | 1162.813 | 1161.651 |
| 15 | 1097.917 | 1103.194 | 1106.799 | 1105.948 | 1100.688 |
| 20 | 999.729 | 1003.257 | 1003.712 | 1004.493 | 1000.794 |
| 25 | 851.399 | 852.336 | 853.661 | 851.875 | 847.395 |
| 30 | 660.423 | 661.277 | 661.495 | 658.692 | 655.713 |
| 35 | 383.431 | 385.381 | 388.782 | 385.952 | 382.762 |
| 40 | 105.488 | 99.071 | 83.942 | 75.155 | 83.102 |
| 45 | 12.803 | 10.463 | 9.897 | 7.944 | 8.610 |
| 50 | 0.625 | 0.484 | 0.568 | 0.880 | 0.691 |
| 55 | 0.492 | 0.684 | 0.586 | 0.473 | 0.348 |
| 60 | 0.395 | 0.456 | 0.467 | 0.617 | 0.403 |
| 65 | 0.404 | 0.466 | 0.419 | 0.370 | 0.330 |
| 70 | 0.364 | 0.452 | 0.262 | 0.470 | 0.323 |
| 75 | 0.498 | 0.263 | 0.462 | 0.508 | 0.340 |
| 80 | 0.491 | 0.443 | 0.233 | 0.329 | 0.271 |
| 85 | 0.461 | 0.333 | 0.490 | 0.455 | 0.553 |
| 90 | 0.514 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-13LXXK-XWEX-BB-NL-MW.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 420.09 | N.A. | 39.60 |
| 0-30 | 805.93 | N.A. | 76.00 |
| 0-40 | 1038.98 | N.A. | 97.90 |
| 0-60 | 1059.7 | N.A. | 99.90 |
| 0-80 | 1060.53 | N.A. | 100.00 |
| 0-90 | 1060.88 | N.A. | 100.00 |
| 10-90 | 948.68 | N.A. | 89.40 |
| 20-40 | 618.89 | N.A. | 58.30 |
| 20-50 | 639.11 | N.A. | 60.20 |
| 40-70 | 21.13 | N.A. | 2.00 |
| 60-80 | 0.83 | N.A. | 0.10 |
| 70-80 | 0.41 | N.A. | 0.00 |
| 80-90 | 0.36 | 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 | 1060.88 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 112.21 |
| 10-20 | 307.89 |
| 20-30 | 385.84 |
| 30-40 | 233.05 |
| 40-50 | 20.22 |
| 50-60 | 0.50 |
| 60-70 | 0.42 |
| 70-80 | 0.41 |
| 80-90 | 0.36 |
| 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

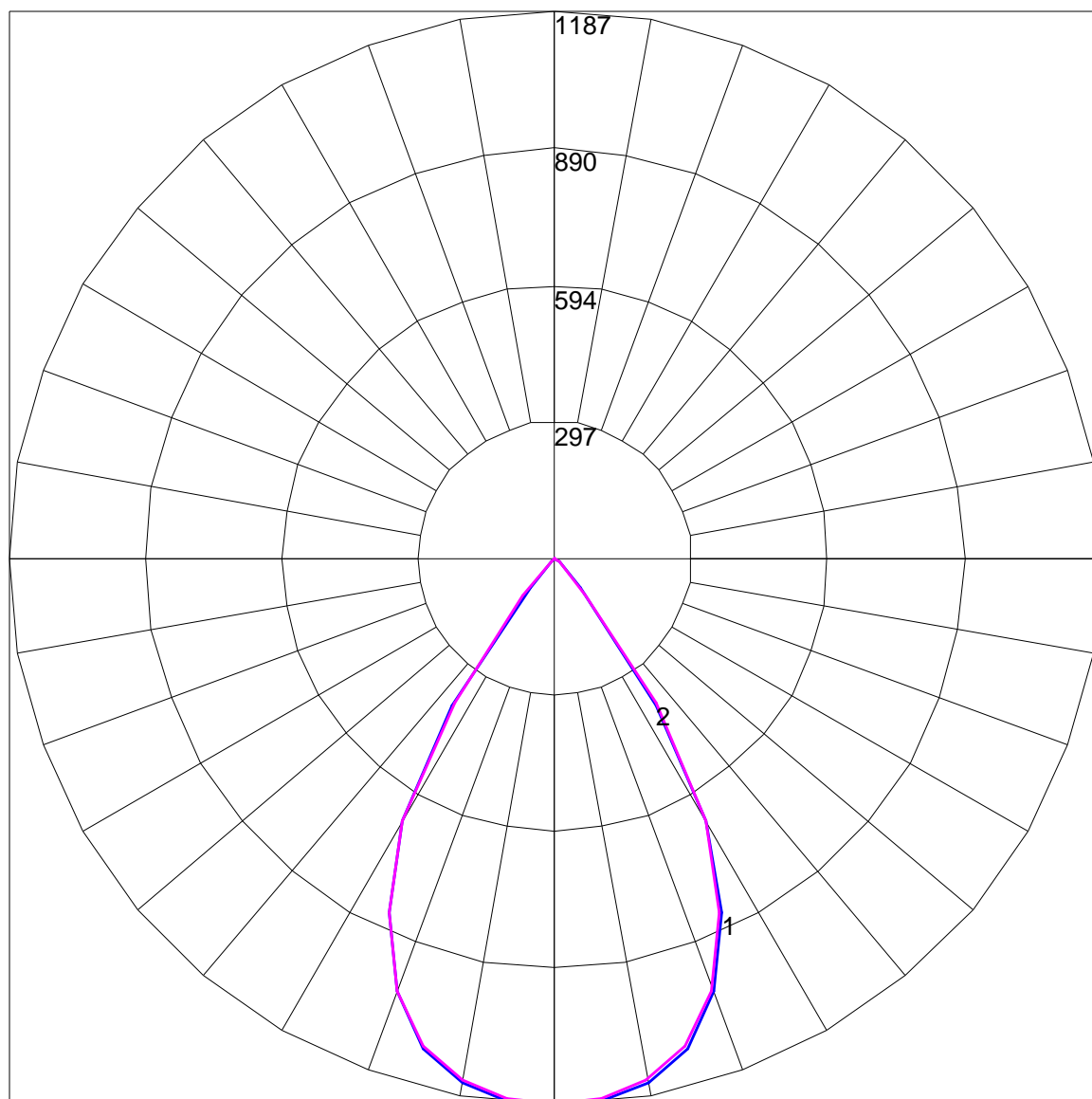
Effective Floor Cavity Reflectance 0.20

| 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 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 96 | 93 | 96 | 94 | 91 | 93 | 91 | 90 | 88 |
| 3 | 103 | 97 | 92 | 89 | 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 | 94 | 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 | 68 |
| 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 | 66 | 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 = 1187.124 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)