

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-30LXXK-NDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00561_M-30L

[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, Narrow Beam

[LUMCAT] C0612XT-30L-xxK-ND-EX-BB-NL-MW

[OTHER] Matte White finish, black baffle, no lens

[OTHER] 13.2 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 | 2685 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 82 |
| Total Luminaire Watts | 32.6 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 0.24 |
| Spacing Criterion (90-270) | 0.24 |
| Spacing Criterion (Diagonal) | 0.24 |
| 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 ~ C0612XT-30LXXK-NDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 268 | 202 | 147 |
| 55 | 51 | 59 | 81 |
| 65 | 85 | 130 | 87 |
| 75 | 163 | 142 | 151 |
| 85 | 665 | 746 | 837 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-30LXXK-NDEX-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 | 25012.266 | 25012.266 | 25012.266 | 25012.266 | 25012.266 |
| 5 | 16205.227 | 16235.245 | 16268.466 | 16294.891 | 16325.347 |
| 10 | 4725.286 | 4783.899 | 4781.794 | 4737.522 | 4709.620 |
| 15 | 1626.497 | 1643.134 | 1627.256 | 1590.207 | 1569.779 |
| 20 | 1067.548 | 1056.389 | 1058.727 | 1043.402 | 1038.948 |
| 25 | 960.991 | 947.886 | 939.708 | 928.141 | 934.856 |
| 30 | 902.359 | 887.323 | 881.954 | 873.356 | 873.454 |
| 35 | 690.662 | 685.018 | 698.086 | 662.482 | 661.709 |
| 40 | 202.589 | 170.384 | 150.049 | 122.529 | 120.238 |
| 45 | 3.739 | 3.905 | 2.819 | 2.702 | 2.057 |
| 50 | 1.316 | 1.232 | 1.131 | 0.734 | 1.108 |
| 55 | 0.577 | 0.956 | 0.672 | 1.066 | 0.913 |
| 60 | 0.947 | 0.950 | 1.016 | 0.791 | 1.006 |
| 65 | 0.707 | 0.914 | 1.081 | 0.806 | 0.730 |
| 70 | 1.601 | 0.859 | 0.743 | 1.519 | 0.824 |
| 75 | 0.832 | 0.404 | 0.724 | 0.816 | 0.770 |
| 80 | 0.759 | 1.073 | 1.203 | 0.547 | 0.434 |
| 85 | 1.144 | 0.800 | 1.284 | 1.724 | 1.441 |
| 90 | 1.214 | 0.000 | 0.000 | 0.000 | 0.000 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-30LXXK-NDEX-BB-NL-MW.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 1843.17 | N.A. | 68.60 |
| 0-30 | 2283.06 | N.A. | 85.00 |
| 0-40 | 2651.97 | N.A. | 98.80 |
| 0-60 | 2682.19 | N.A. | 99.90 |
| 0-80 | 2684.00 | N.A. | 100.00 |
| 0-90 | 2684.97 | N.A. | 100.00 |
| 10-90 | 1439.51 | N.A. | 53.60 |
| 20-40 | 808.80 | N.A. | 30.10 |
| 20-50 | 838.19 | N.A. | 31.20 |
| 40-70 | 31.16 | N.A. | 1.20 |
| 60-80 | 1.81 | N.A. | 0.10 |
| 70-80 | 0.87 | N.A. | 0.00 |
| 80-90 | 0.97 | 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 | 2684.97 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 1245.46 |
| 10-20 | 597.71 |
| 20-30 | 439.89 |
| 30-40 | 368.91 |
| 40-50 | 29.39 |
| 50-60 | 0.84 |
| 60-70 | 0.94 |
| 70-80 | 0.87 |
| 80-90 | 0.97 |
| 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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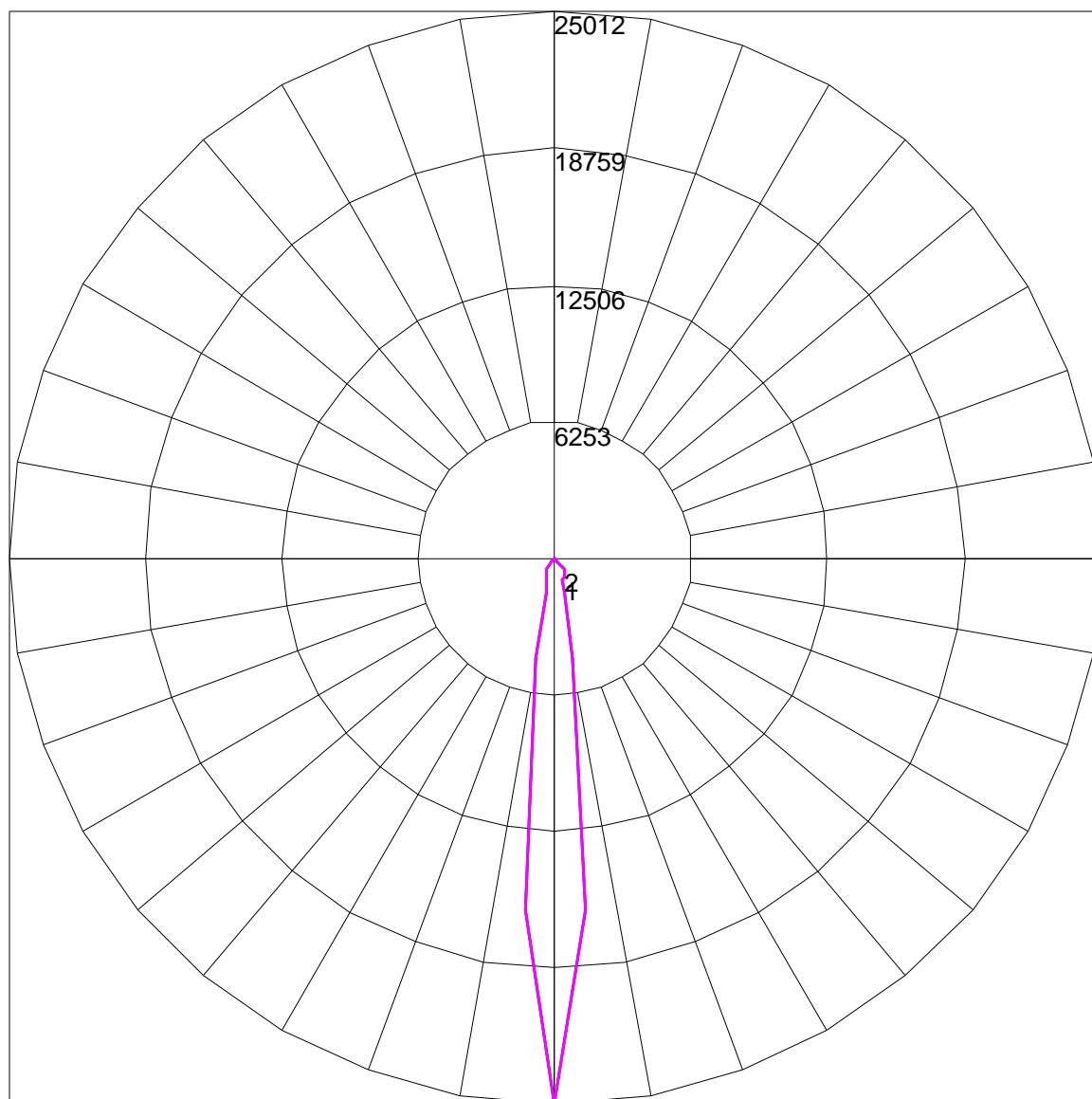
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 96 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 | 93 |
| 3 | 107 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 99 | 96 | 94 | 97 | 94 | 92 | 94 | 93 | 91 | 90 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 94 | 91 | 95 | 92 | 90 | 94 | 91 | 89 | 92 | 90 | 88 | 87 |
| 5 | 101 | 95 | 91 | 87 | 99 | 94 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 89 | 87 | 85 | 84 |
| 6 | 98 | 91 | 87 | 84 | 97 | 91 | 87 | 84 | 89 | 86 | 83 | 88 | 85 | 83 | 87 | 84 | 82 | 81 |
| 7 | 95 | 88 | 84 | 81 | 94 | 88 | 84 | 81 | 87 | 83 | 81 | 86 | 83 | 80 | 85 | 82 | 80 | 79 |
| 8 | 92 | 86 | 81 | 79 | 91 | 85 | 81 | 78 | 84 | 81 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 77 |
| 9 | 90 | 83 | 79 | 76 | 89 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 81 | 78 | 76 | 75 |
| 10 | 88 | 81 | 77 | 74 | 87 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 79 | 76 | 74 | 73 |

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POLAR GRAPH



Maximum Candela = 25012.266 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)