

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

IESNA:LM-63-2002
[TEST] SP-00561_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, Narrow Beam
[LUMCAT] C0612XT-13L-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	1163
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	13
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	116	87	64
55	22	26	35
65	37	56	38
75	71	61	65
85	288	323	363

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	10838.648	10838.648	10838.648	10838.648	10838.648
5	7022.265	7035.272	7049.668	7061.119	7074.316
10	2047.624	2073.023	2072.111	2052.926	2040.835
15	704.816	712.025	705.144	689.090	680.238
20	462.604	457.769	458.782	452.141	450.211
25	416.429	410.751	407.207	402.194	405.104
30	391.022	384.507	382.180	378.454	378.497
35	299.287	296.841	302.504	287.076	286.741
40	87.789	73.833	65.021	53.096	52.103
45	1.620	1.692	1.221	1.171	0.891
50	0.570	0.534	0.490	0.318	0.480
55	0.250	0.414	0.291	0.462	0.395
60	0.410	0.412	0.440	0.343	0.436
65	0.306	0.396	0.469	0.349	0.316
70	0.694	0.372	0.322	0.658	0.357
75	0.361	0.175	0.314	0.354	0.334
80	0.329	0.465	0.521	0.237	0.188
85	0.496	0.347	0.556	0.747	0.624
90	0.526	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	798.71	N.A.	68.60
0-30	989.32	N.A.	85.00
0-40	1149.19	N.A.	98.80
0-60	1162.28	N.A.	99.90
0-80	1163.07	N.A.	100.00
0-90	1163.49	N.A.	100.00
10-90	623.79	N.A.	53.60
20-40	350.48	N.A.	30.10
20-50	363.21	N.A.	31.20
40-70	13.50	N.A.	1.20
60-80	0.79	N.A.	0.10
70-80	0.38	N.A.	0.00
80-90	0.42	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	1163.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	539.70
10-20	259.01
20-30	190.62
30-40	159.86
40-50	12.73
50-60	0.36
60-70	0.41
70-80	0.38
80-90	0.42
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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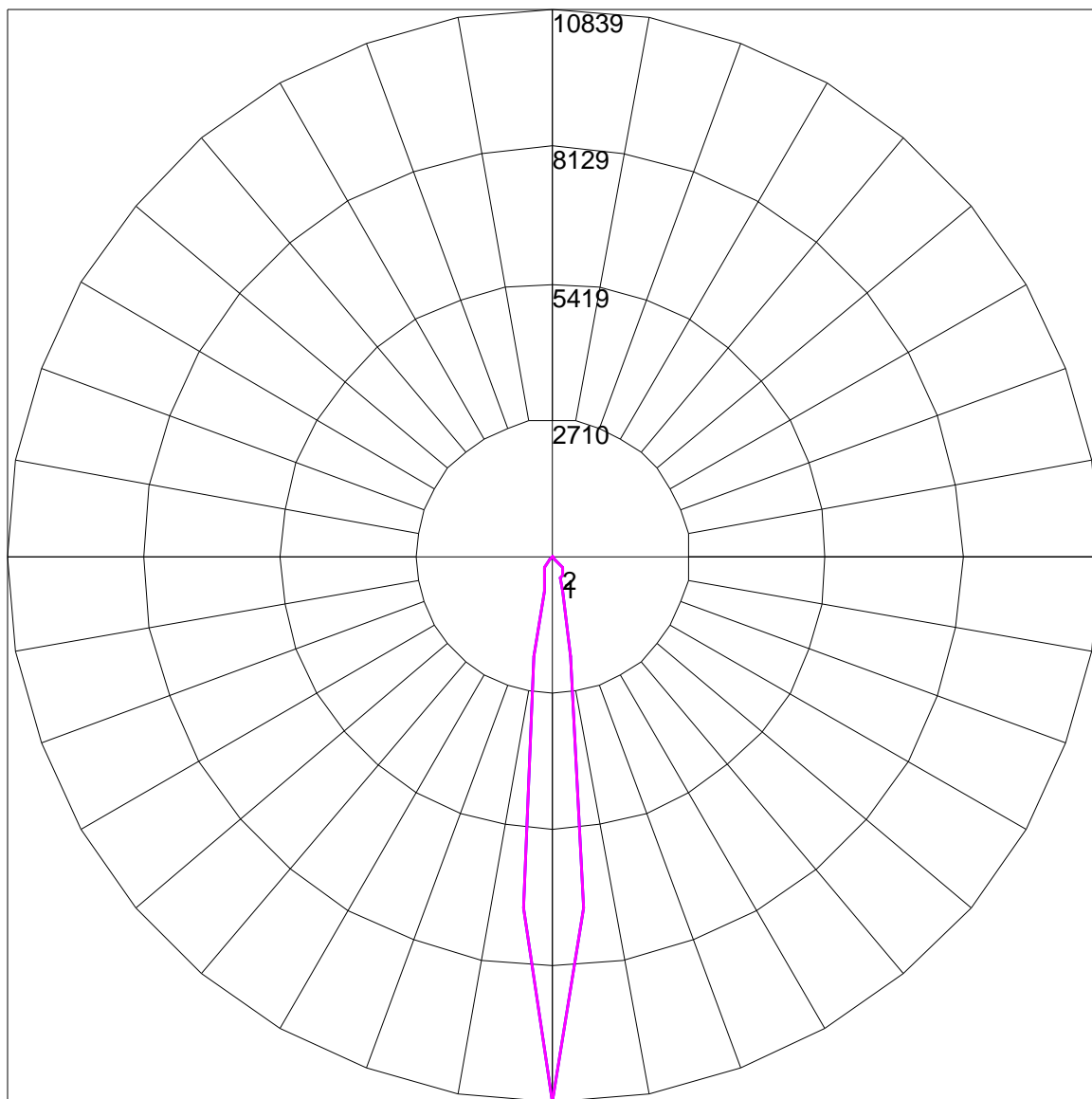
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
2	111	107	104	102	109	106	103	101	103	100	99	100	98	96	97	96	95	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	99	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	82	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 = 10838.648 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)