

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_8 ~ C0612XT-30LXXK-WDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00561_8_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, Wide Beam

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

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

[OTHER] 38.7 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	2452
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.66
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	215	179	159
55	72	131	135
65	123	116	113
75	181	128	204
85	636	713	649

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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	4900.987	4900.987	4900.987	4900.987	4900.987
5	4701.271	4708.139	4723.276	4721.556	4732.653
10	4117.078	4123.397	4144.234	4148.270	4165.627
15	3243.710	3248.167	3243.785	3252.131	3256.611
20	2328.272	2325.931	2317.027	2311.903	2312.571
25	1592.229	1585.116	1574.642	1568.121	1569.979
30	1092.290	1082.346	1076.990	1073.709	1072.268
35	618.310	609.979	603.100	602.135	601.372
40	103.846	74.365	68.669	57.091	55.265
45	3.009	1.889	2.498	1.980	2.216
50	1.712	1.330	1.301	1.238	1.507
55	0.814	0.873	1.484	1.113	1.528
60	1.308	0.776	0.808	0.829	0.963
65	1.025	0.945	0.966	1.057	0.940
70	1.028	0.767	1.277	0.610	0.626
75	0.923	0.952	0.652	1.024	1.042
80	0.957	0.939	0.940	1.057	1.143
85	1.094	0.902	1.228	0.680	1.117
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1328.9	N.A.	54.20
0-30	2073.65	N.A.	84.60
0-40	2434.61	N.A.	99.30
0-60	2449.72	N.A.	99.90
0-80	2451.62	N.A.	100.00
0-90	2452.43	N.A.	100.00
10-90	2020.6	N.A.	82.40
20-40	1105.71	N.A.	45.10
20-50	1119.8	N.A.	45.70
40-70	16.04	N.A.	0.70
60-80	1.90	N.A.	0.10
70-80	0.97	N.A.	0.00
80-90	0.80	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	2452.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	431.82
10-20	897.07
20-30	744.75
30-40	360.96
40-50	14.09
50-60	1.02
60-70	0.93
70-80	0.97
80-90	0.80
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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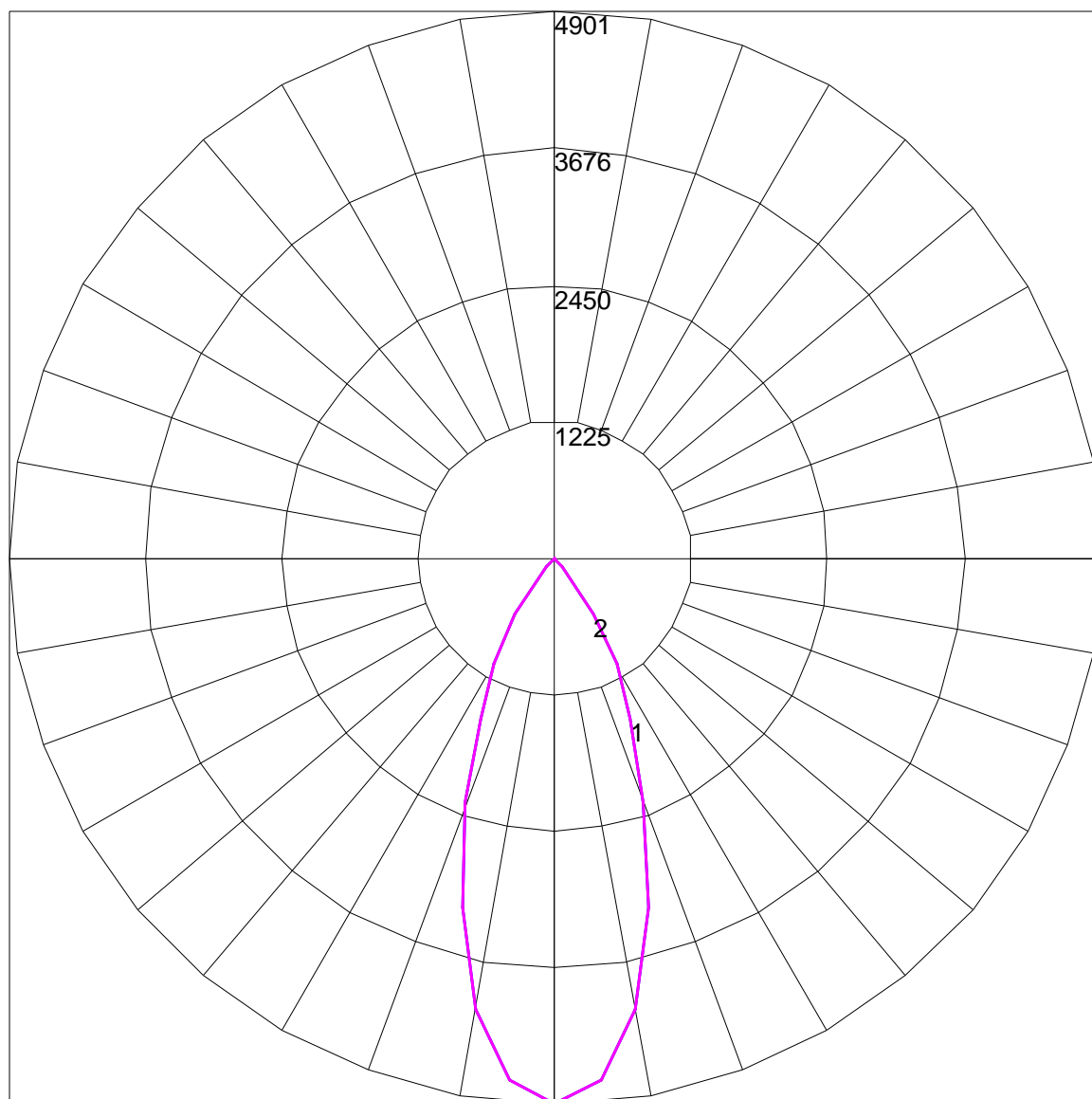
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	68	74	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 4900.987 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)