

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_13 ~ C0412XT-30LXXK-XWEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_13_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/2/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-30L-xxK-XW-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 56.1 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	2106
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.26 ft (Diameter)
Luminous Width (90-270)	0.26 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13291	13178	12825
55	1538	1299	1143
65	755	812	819
75	1402	1135	1733
85	2076	2065	2586

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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	2755.301	2755.301	2755.301	2755.301	2755.301
5	2674.144	2683.789	2701.192	2716.145	2741.479
10	2524.446	2542.882	2565.291	2595.807	2609.520
15	2349.842	2366.003	2386.456	2422.730	2430.647
20	2112.528	2125.106	2141.525	2173.384	2171.156
25	1738.969	1753.771	1751.120	1779.446	1755.273
30	1149.467	1157.045	1156.264	1169.796	1149.647
35	497.525	496.511	493.153	468.230	481.702
40	146.207	156.218	144.221	143.735	144.798
45	48.202	49.298	47.790	44.782	46.511
50	14.568	15.595	13.600	11.337	12.619
55	4.525	4.445	3.821	3.584	3.362
60	1.979	2.227	1.915	1.837	1.979
65	1.636	1.093	1.760	1.537	1.775
70	2.099	2.385	1.925	1.678	1.766
75	1.861	2.352	1.507	1.585	2.301
80	1.049	0.999	0.995	1.343	1.126
85	0.928	0.758	0.923	0.890	1.156
90	1.009	0.992	1.463	0.835	0.846

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Zone	Lumens	%Lamp	%Fixt
0-20	921.84	N.A.	43.80
0-30	1700.25	N.A.	80.70
0-40	2048.32	N.A.	97.20
0-60	2101.84	N.A.	99.80
0-80	2105.39	N.A.	99.90
0-90	2106.47	N.A.	100.00
10-90	1852.71	N.A.	88.00
20-40	1126.48	N.A.	53.50
20-50	1174.83	N.A.	55.80
40-70	55.26	N.A.	2.60
60-80	3.55	N.A.	0.20
70-80	1.81	N.A.	0.10
80-90	1.08	N.A.	0.10
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	2106.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.77
10-20	668.07
20-30	778.41
30-40	348.07
40-50	48.35
50-60	5.17
60-70	1.74
70-80	1.81
80-90	1.08
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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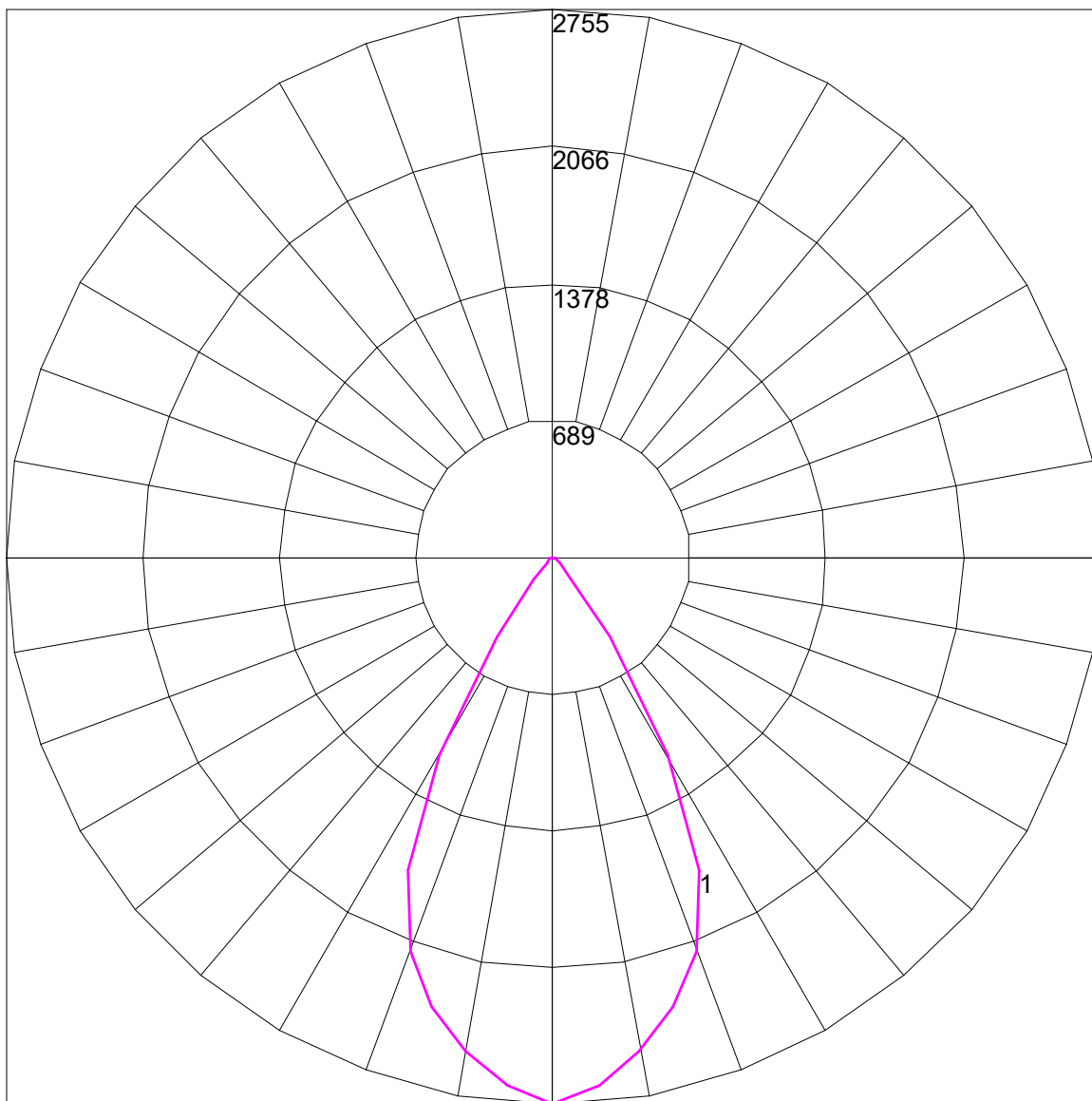
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	60	57	74	66	60	57	65	60	57	64	60	56	63	59	56	55

POLAR GRAPH



Maximum Candela = 2755.301 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)