

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_8 ~ C0412XT-13LXXK-WDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_8_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Wide Beam
 [LUMCAT] C0412XT-13L-xxK-WD-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 37.3 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	946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.62
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	1114	1111	1115
55	477	638	712
65	200	461	493
75	478	686	786
85	861	792	823

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_8 ~ C0412XT-13LXXK-WDEX-BBXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2186.203	2186.203	2186.203	2186.203	2186.203
5	2116.277	2117.120	2107.056	2106.036	2086.393
10	1857.932	1852.405	1844.583	1846.588	1818.517
15	1429.307	1423.795	1417.288	1427.724	1396.144
20	967.873	963.208	961.843	960.010	950.828
25	617.947	614.011	611.362	609.290	607.087
30	328.401	322.766	315.159	316.891	302.322
35	83.363	81.039	85.305	74.498	80.504
40	6.789	6.262	8.473	6.476	8.844
45	4.039	3.386	4.029	3.748	4.044
50	2.311	2.222	2.312	2.147	2.807
55	1.403	1.287	1.876	2.049	2.096
60	1.109	0.977	1.273	1.211	1.579
65	0.434	0.775	0.999	0.788	1.068
70	0.531	0.866	0.975	0.746	0.836
75	0.635	0.998	0.911	0.815	1.044
80	0.444	0.235	0.264	0.460	0.302
85	0.385	0.264	0.354	0.379	0.368
90	0.223	0.315	0.177	0.357	0.443

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Zone	Lumens	%Lamp	%Fixt
0-20	582.75	N.A.	61.60
0-30	865.33	N.A.	91.50
0-40	938.65	N.A.	99.30
0-60	943.49	N.A.	99.80
0-80	945.17	N.A.	100.00
0-90	945.53	N.A.	100.00
10-90	752.77	N.A.	79.60
20-40	355.89	N.A.	37.60
20-50	359.18	N.A.	38.00
40-70	5.75	N.A.	0.60
60-80	1.68	N.A.	0.20
70-80	0.77	N.A.	0.10
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	945.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	192.76
10-20	389.99
20-30	282.58
30-40	73.32
40-50	3.28
50-60	1.56
60-70	0.91
70-80	0.77
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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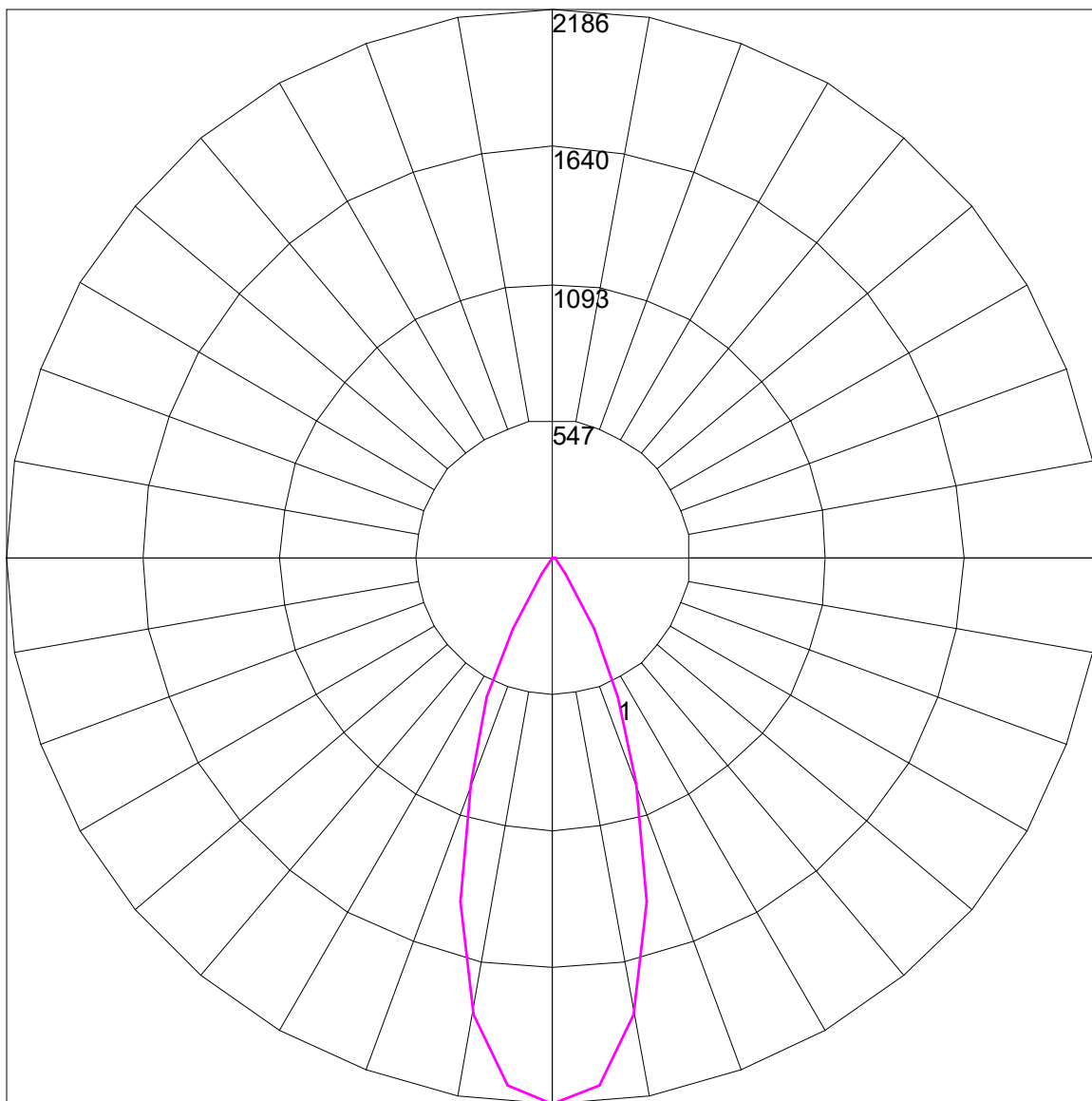
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 2186.203 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)