

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_1 ~ C0412XT-13LXXK-NDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_1_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-13L-xxK-ND-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear glass lens
 [OTHER] 17.5 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	1003
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.34
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	608	467	685
55	272	203	164
65	190	233	269
75	233	246	154
85	631	991	866

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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	6203.441	6203.441	6203.441	6203.441	6203.441
5	4898.390	4939.441	4893.681	4909.965	4855.555
10	2514.723	2543.340	2529.968	2536.166	2479.313
15	1083.202	1109.639	1114.463	1114.737	1086.258
20	555.944	577.905	585.243	582.839	568.144
25	394.101	397.456	406.074	407.404	403.614
30	250.461	251.543	253.764	255.052	256.115
35	69.634	67.604	69.169	69.127	76.375
40	4.708	4.294	4.666	5.483	7.371
45	2.204	2.165	1.694	2.720	2.485
50	0.896	0.982	0.992	0.902	0.728
55	0.799	0.582	0.596	1.146	0.483
60	0.708	0.805	0.532	0.883	0.609
65	0.412	0.660	0.506	0.570	0.583
70	0.481	0.305	0.350	0.482	0.684
75	0.309	0.415	0.326	0.291	0.205
80	0.400	0.254	0.312	0.383	0.392
85	0.282	0.215	0.443	0.398	0.387
90	0.279	0.321	0.461	0.340	0.570

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Zone	Lumens	%Lamp	%Fixt
0-20	752.82	N.A.	75.10
0-30	938.55	N.A.	93.60
0-40	998.62	N.A.	99.60
0-60	1001.32	N.A.	99.90
0-80	1002.25	N.A.	100.00
0-90	1002.64	N.A.	100.00
10-90	603.99	N.A.	60.20
20-40	245.80	N.A.	24.50
20-50	247.80	N.A.	24.70
40-70	3.26	N.A.	0.30
60-80	0.93	N.A.	0.10
70-80	0.37	N.A.	0.00
80-90	0.39	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	1002.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	398.65
10-20	354.17
20-30	185.73
30-40	60.07
40-50	2.00
50-60	0.70
60-70	0.56
70-80	0.37
80-90	0.39
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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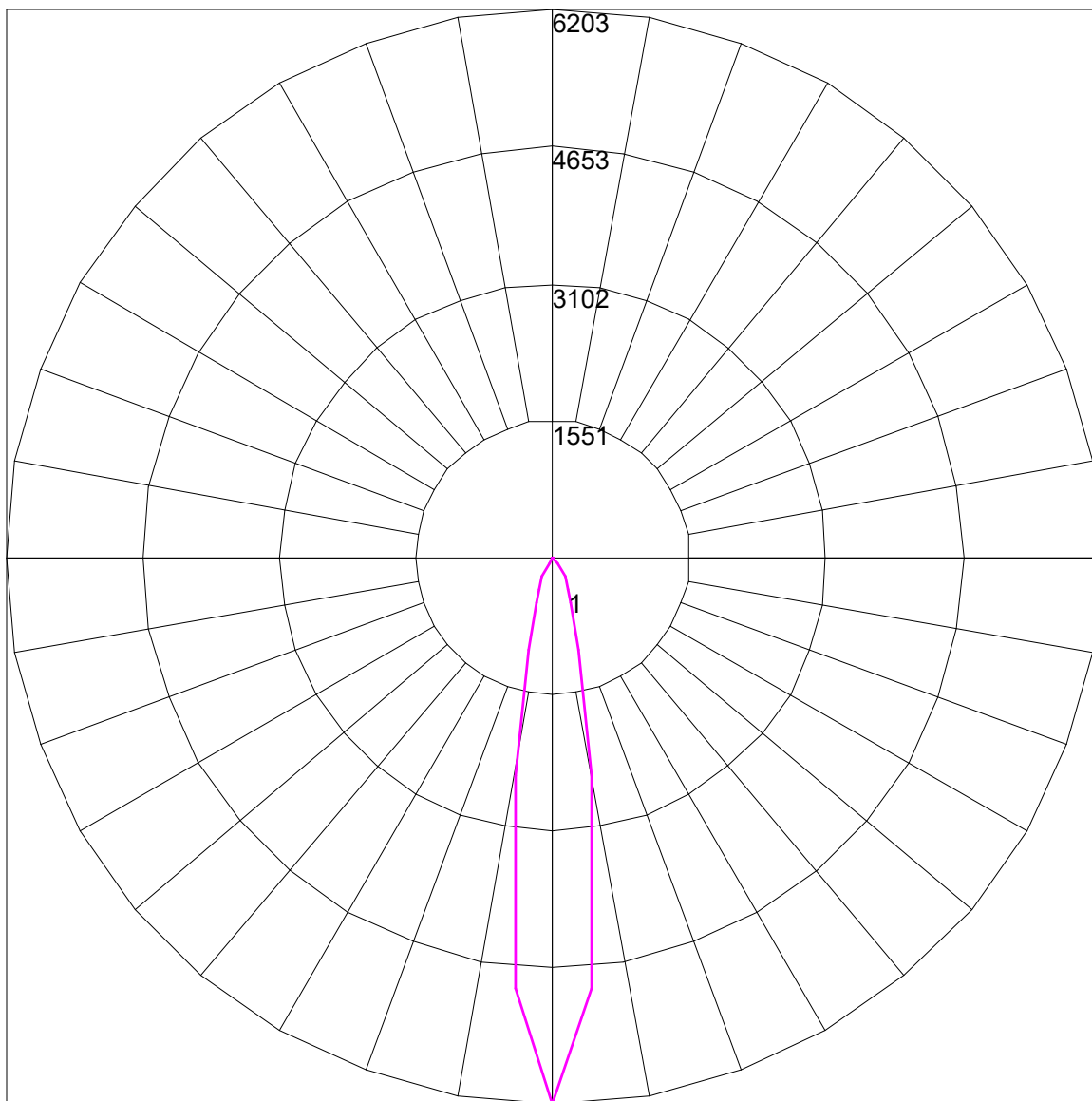
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	82	80	92	86	82	80	85	82	79	84	81	79	83	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	77	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 6203.441 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)