

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

IESNA:LM-63-2002
 [TEST] SP-00567_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, Narrow Beam
 [LUMCAT] C0412XT-13L-xxK-ND-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 16.5 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	983
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.32
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	326	461	277
55	607	511	410
65	590	177	248
75	471	239	257
85	479	877	792

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	5936.666	5936.666	5936.666	5936.666	5936.666
5	4805.840	4632.092	4821.580	4632.215	4810.749
10	2503.905	2487.361	2488.923	2514.450	2401.524
15	1112.595	1120.151	1108.021	1127.919	1041.826
20	591.530	588.959	579.991	589.816	561.600
25	398.849	409.640	400.674	407.924	396.433
30	239.058	237.072	243.109	236.014	241.298
35	67.902	49.384	71.970	60.382	67.149
40	4.446	2.351	5.230	6.334	2.971
45	1.184	1.173	1.672	0.939	1.003
50	1.263	1.397	0.844	1.597	0.968
55	1.787	1.724	1.504	1.097	1.205
60	1.797	1.146	1.297	2.161	1.169
65	1.278	0.637	0.383	0.789	0.538
70	0.640	0.457	0.437	0.448	0.336
75	0.625	0.395	0.317	0.668	0.341
80	0.544	0.246	0.505	0.406	0.216
85	0.214	0.203	0.392	0.488	0.354
90	0.639	0.505	0.251	0.329	0.121

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567 ~ C0412XT-13LXXK-NDEX-BBXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	738.01	N.A.	75.10
0-30	922.99	N.A.	93.90
0-40	978.50	N.A.	99.50
0-60	981.32	N.A.	99.80
0-80	982.61	N.A.	100.00
0-90	983.00	N.A.	100.00
10-90	597.66	N.A.	60.80
20-40	240.50	N.A.	24.50
20-50	242.04	N.A.	24.60
40-70	3.63	N.A.	0.40
60-80	1.29	N.A.	0.10
70-80	0.47	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	983.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	385.34
10-20	352.66
20-30	184.98
30-40	55.52
40-50	1.54
50-60	1.27
60-70	0.82
70-80	0.47
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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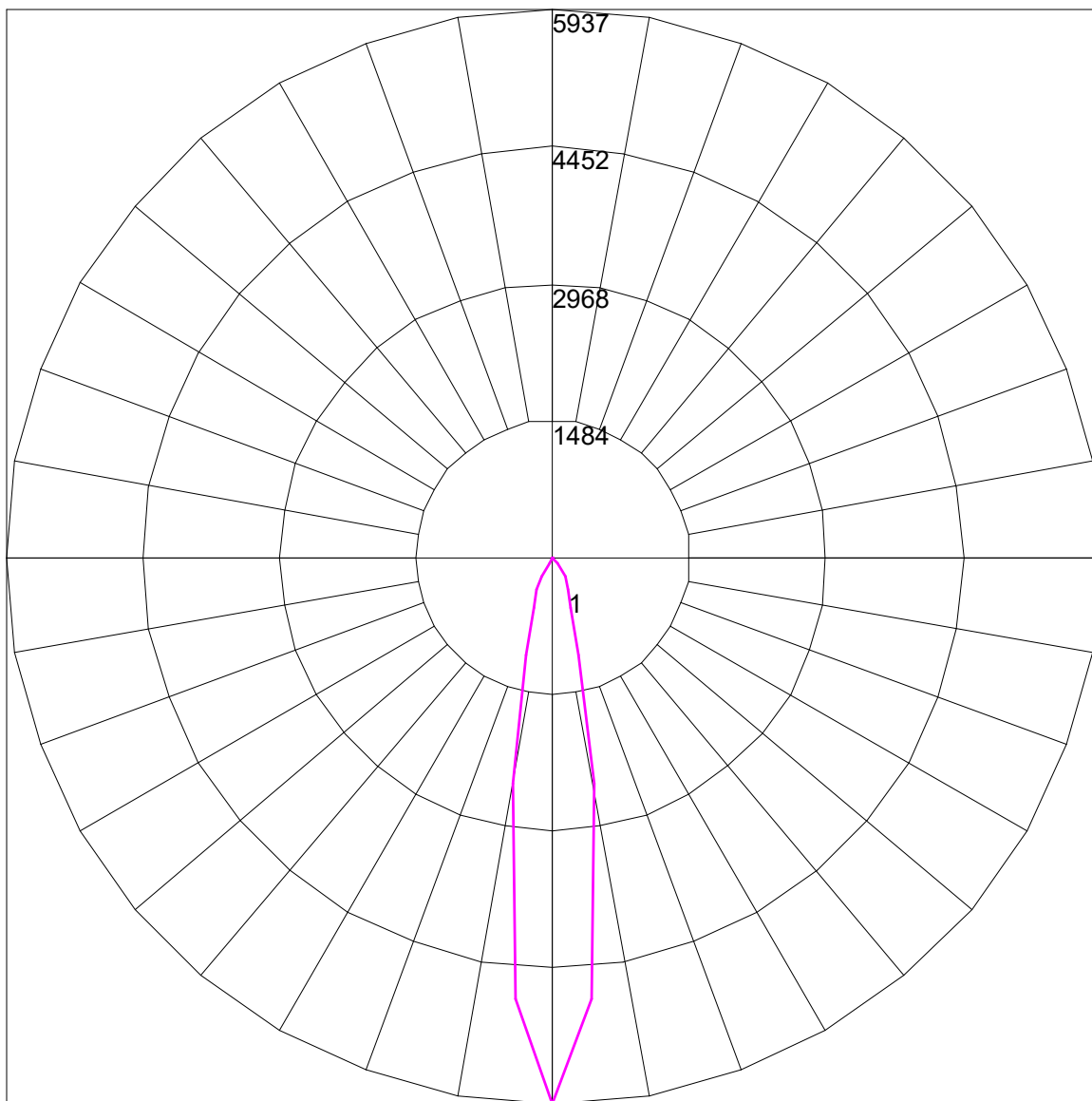
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	97	106	102	98	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	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	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	83	81	86	83	81	80
8	93	86	82	80	92	86	82	79	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	76	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

POLAR GRAPH



Maximum Candela = 5936.666 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)