

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567 ~ C0412XT-40LXXK-NDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_M-40L
 [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-40L-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	2911
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	37.9
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	966	1365	819
55	1799	1514	1213
65	1746	523	734
75	1394	707	761
85	1421	2595	2347

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	17581.664	17581.664	17581.664	17581.664	17581.664
5	14232.680	13718.119	14279.295	13718.482	14247.218
10	7415.412	7366.416	7371.043	7446.641	7112.205
15	3294.992	3317.370	3281.446	3340.375	3085.409
20	1751.838	1744.226	1717.665	1746.763	1663.199
25	1181.208	1213.165	1186.612	1208.084	1174.051
30	707.978	702.099	719.975	698.964	714.614
35	201.094	146.251	213.143	178.824	198.863
40	13.166	6.963	15.489	18.759	8.799
45	3.505	3.475	4.950	2.780	2.971
50	3.741	4.138	2.501	4.729	2.867
55	5.291	5.104	4.453	3.249	3.569
60	5.321	3.395	3.841	6.399	3.461
65	3.785	1.886	1.134	2.336	1.592
70	1.897	1.353	1.295	1.327	0.995
75	1.851	1.171	0.939	1.979	1.010
80	1.612	0.728	1.495	1.202	0.639
85	0.635	0.601	1.160	1.445	1.049
90	1.893	1.495	0.745	0.975	0.360

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567 ~ C0412XT-40LXXK-NDEX-BBXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2185.63	N.A.	75.10
0-30	2733.46	N.A.	93.90
0-40	2897.88	N.A.	99.50
0-60	2906.21	N.A.	99.80
0-80	2910.03	N.A.	100.00
0-90	2911.19	N.A.	100.00
10-90	1769.98	N.A.	60.80
20-40	712.25	N.A.	24.50
20-50	716.80	N.A.	24.60
40-70	10.76	N.A.	0.40
60-80	3.83	N.A.	0.10
70-80	1.39	N.A.	0.00
80-90	1.16	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	2911.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1141.21
10-20	1044.42
20-30	547.83
30-40	164.41
40-50	4.56
50-60	3.77
60-70	2.44
70-80	1.39
80-90	1.16
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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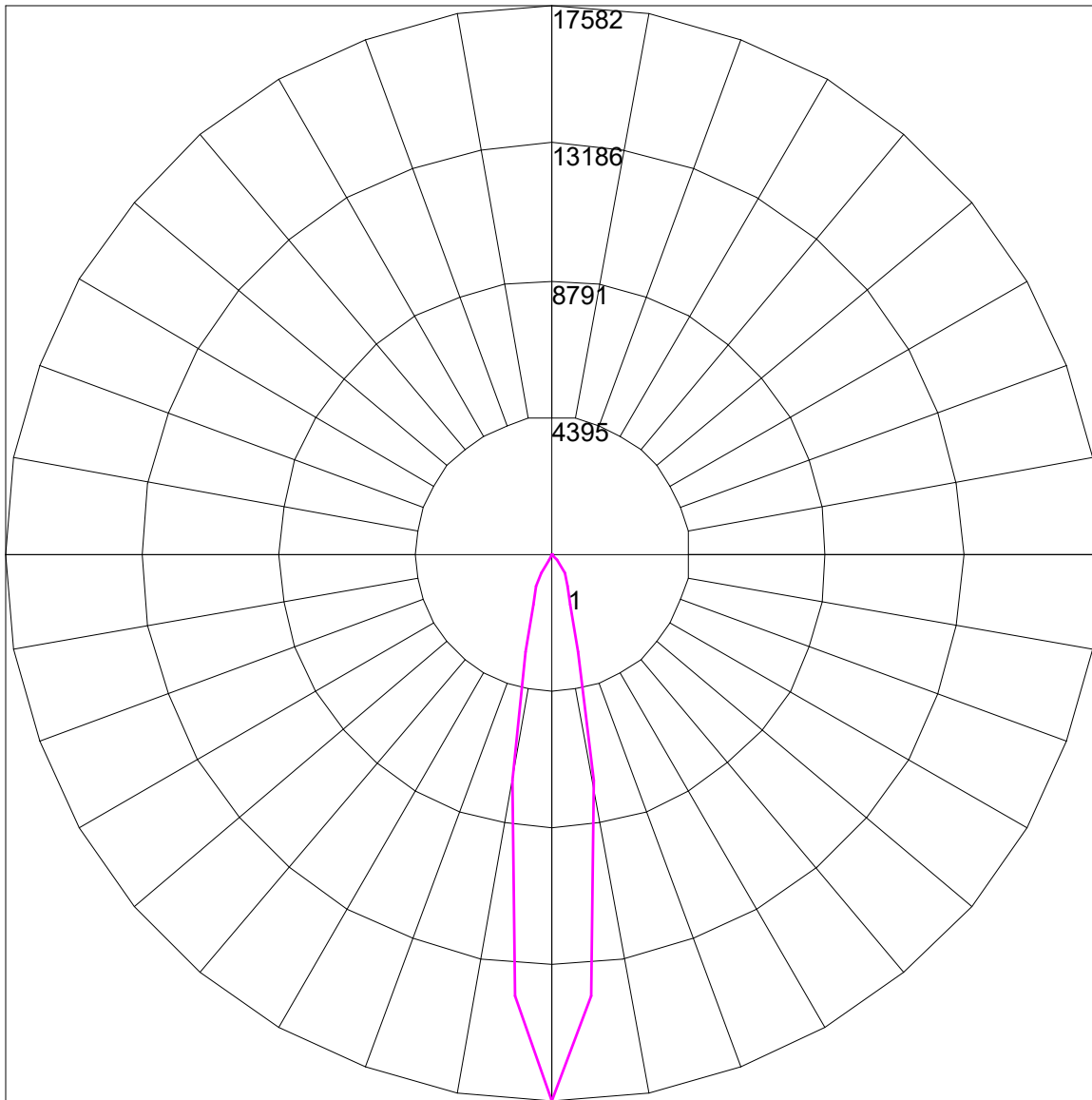
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	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	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	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	87	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	87	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 = 17581.664 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)