

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_11 ~ C0412XT-13LXXK-WDEX-SOXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_11_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/17/2017
[UPDATE] 6/1/2017
[LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Wide Beam
[LUMCAT] C0412XT-13L-xxK-WD-EX-SO-xx-MW
[OTHER] Matte White finish, Solite Lens
[OTHER] 38 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	874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
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)	0.64
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	4819	3823	5197
55	1329	1425	1620
65	631	671	650
75	565	360	716
85	1011	897	846

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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	1872.239	1872.239	1872.239	1872.239	1872.239
5	1790.183	1800.012	1801.366	1806.395	1814.880
10	1566.334	1574.389	1575.719	1578.754	1588.959
15	1226.659	1229.089	1228.258	1228.869	1231.952
20	861.528	858.433	860.270	859.949	865.567
25	549.380	547.828	548.673	556.097	561.784
30	296.771	299.532	298.185	304.495	312.494
35	119.786	127.552	127.107	128.619	132.233
40	42.993	44.118	41.188	43.741	47.139
45	17.475	16.353	13.865	15.565	18.846
50	9.031	7.850	6.690	7.199	8.919
55	3.910	4.168	4.193	4.099	4.767
60	2.524	2.315	2.481	2.771	2.333
65	1.367	1.253	1.455	1.715	1.408
70	1.043	0.924	1.122	0.815	0.993
75	0.750	0.739	0.478	0.789	0.951
80	0.373	0.457	0.525	0.608	0.459
85	0.452	0.354	0.401	0.394	0.378
90	0.232	0.304	0.327	0.323	0.362

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Zone	Lumens	%Lamp	%Fixt
0-20	503.44	N.A.	57.60
0-30	759.63	N.A.	86.90
0-40	851.32	N.A.	97.40
0-60	871.25	N.A.	99.70
0-80	873.59	N.A.	100.00
0-90	874.02	N.A.	100.00
10-90	709.21	N.A.	81.10
20-40	347.88	N.A.	39.80
20-50	363.68	N.A.	41.60
40-70	21.51	N.A.	2.50
60-80	2.34	N.A.	0.30
70-80	0.77	N.A.	0.10
80-90	0.44	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	874.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.82
10-20	338.62
20-30	256.20
30-40	91.68
40-50	15.80
50-60	4.13
60-70	1.57
70-80	0.77
80-90	0.44
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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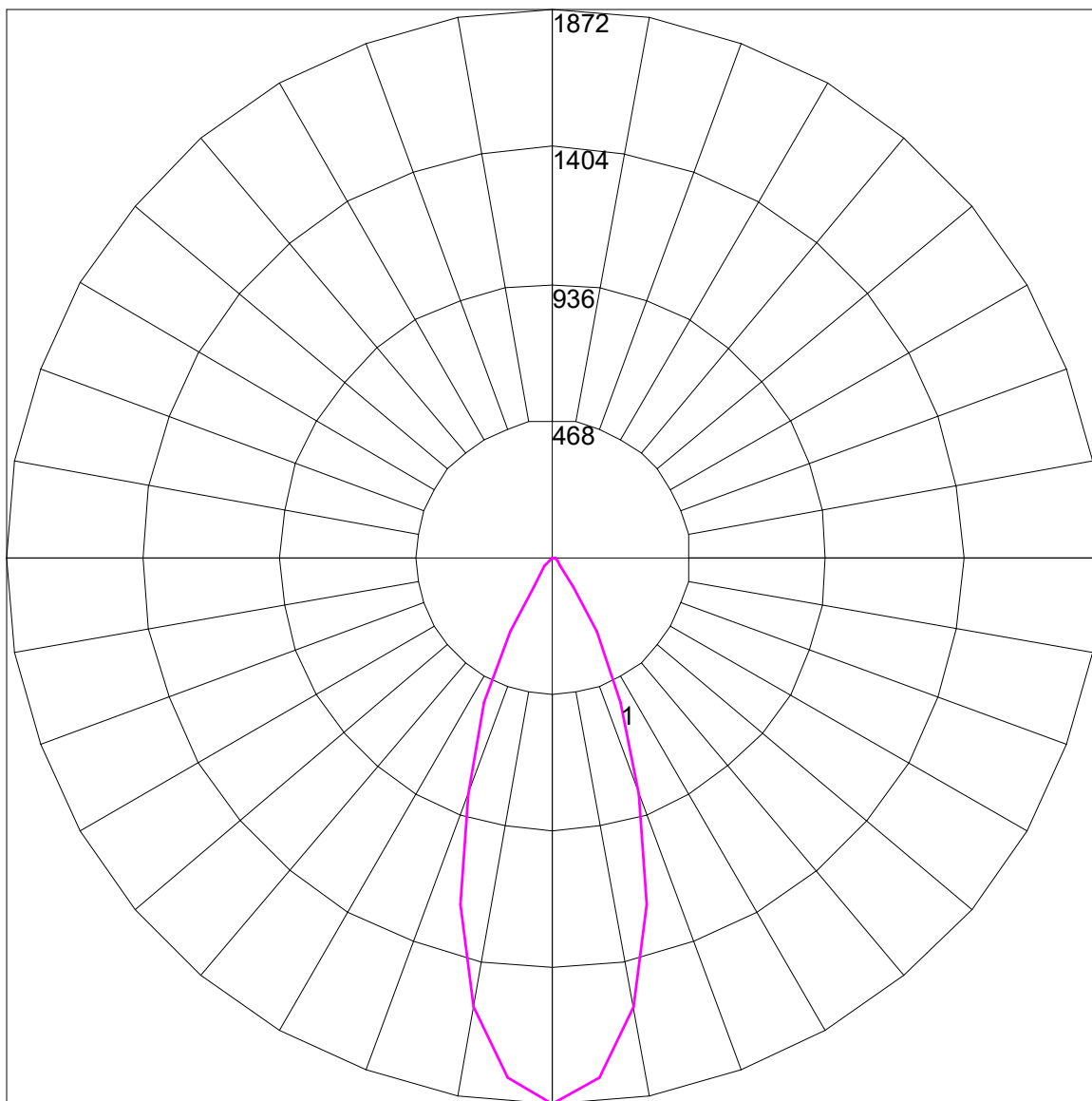
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	94	90	86	99	93	89	85	91	87	85	89	86	84	87	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	69	74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	66	72	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63	70	66	63	69	65	63	61

POLAR GRAPH



Maximum Candela = 1872.239 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)