

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-13LXXK-WDEX-GLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_9_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-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 37.5 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	888
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
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	1785	1884	1898
55	1215	1283	1296
65	346	244	199
75	447	386	410
85	902	1089	472

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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	2019.001	2019.001	2019.001	2019.001	2019.001
5	1922.242	1918.140	1940.772	1934.355	1951.821
10	1692.427	1686.462	1711.939	1700.357	1721.238
15	1325.928	1308.711	1324.745	1309.658	1329.590
20	903.121	889.332	890.485	888.296	895.640
25	574.130	575.084	571.308	576.229	575.311
30	315.388	301.606	310.432	299.203	315.741
35	93.072	82.750	80.268	79.702	84.681
40	11.801	14.330	9.901	13.735	10.406
45	6.473	7.214	6.831	7.041	6.884
50	5.697	5.750	5.268	5.305	5.111
55	3.575	4.084	3.774	3.961	3.814
60	1.643	0.849	1.465	1.367	1.239
65	0.751	0.599	0.528	0.419	0.432
70	0.601	0.843	0.495	0.679	0.453
75	0.594	0.386	0.512	0.545	0.544
80	0.385	0.493	0.447	0.433	0.517
85	0.403	0.434	0.487	0.401	0.211
90	0.348	0.440	0.403	0.316	0.454

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Zone	Lumens	%Lamp	%Fixt
0-20	538.43	N.A.	60.60
0-30	803.71	N.A.	90.50
0-40	876.96	N.A.	98.80
0-60	886.23	N.A.	99.80
0-80	887.52	N.A.	99.90
0-90	887.97	N.A.	100.00
10-90	710.73	N.A.	80.00
20-40	338.52	N.A.	38.10
20-50	344.58	N.A.	38.80
40-70	10.01	N.A.	1.10
60-80	1.29	N.A.	0.10
70-80	0.55	N.A.	0.10
80-90	0.45	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	887.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.24
10-20	361.19
20-30	265.27
30-40	73.25
40-50	6.06
50-60	3.22
60-70	0.74
70-80	0.55
80-90	0.45
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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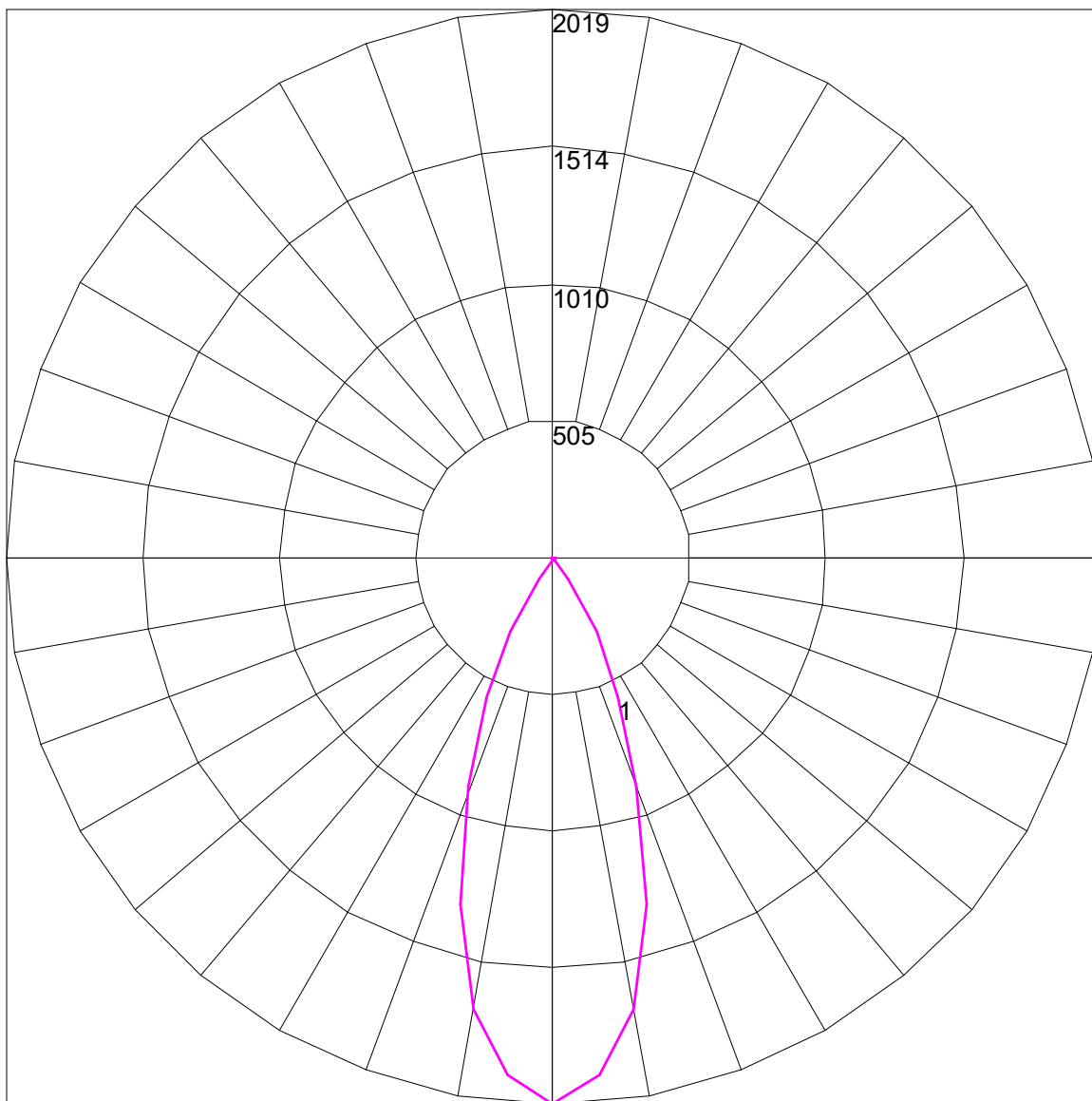
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	70	68	74	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	64	63

POLAR GRAPH



Maximum Candela = 2019.001 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)