

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567\_4 ~ C0412XT-13LXXK-MDEX-BBXXMW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] SP-00567\_4\_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. Cylinder XT Series, Medium Beam  
 [LUMCAT] C0412XT-13L-xxK-MD-EX-BB-xx-MW  
 [OTHER] Matte White finish, Black baffle, no lens  
 [OTHER] 26.6 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	941
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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	697	913	1059
55	1013	1351	1209
65	414	558	589
75	702	608	655
85	1065	716	1152

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	3202.355	3202.355	3202.355	3202.355	3202.355
<b>5</b>	2965.029	2892.531	2947.544	2889.271	2938.221
<b>10</b>	2150.631	2139.704	2175.891	2145.643	2172.930
<b>15</b>	1323.074	1345.126	1360.246	1352.681	1357.558
<b>20</b>	784.521	800.698	803.747	799.702	798.075
<b>25</b>	494.948	505.234	496.873	500.182	488.787
<b>30</b>	274.188	262.620	272.089	257.591	265.608
<b>35</b>	61.281	60.857	69.407	58.402	65.890
<b>40</b>	3.708	7.301	4.598	7.233	5.952
<b>45</b>	2.527	2.582	3.311	3.379	3.842
<b>50</b>	2.967	3.043	3.793	3.788	3.572
<b>55</b>	2.981	3.113	3.975	4.036	3.558
<b>60</b>	1.823	1.980	2.442	1.833	2.444
<b>65</b>	0.898	1.162	1.209	0.922	1.276
<b>70</b>	1.106	0.991	0.989	1.182	1.025
<b>75</b>	0.932	0.840	0.807	1.064	0.870
<b>80</b>	0.457	0.450	0.550	0.460	0.445
<b>85</b>	0.476	0.386	0.320	0.266	0.515
<b>90</b>	0.393	0.376	0.317	0.434	0.442

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Zone	Lumens	%Lamp	%Fixt
0-20	639.78	N.A.	68.00
0-30	872.55	N.A.	92.70
0-40	932.46	N.A.	99.10
0-60	938.33	N.A.	99.70
0-80	940.53	N.A.	100.00
0-90	940.97	N.A.	100.00
10-90	686.19	N.A.	72.90
20-40	292.68	N.A.	31.10
20-50	295.70	N.A.	31.40
40-70	7.19	N.A.	0.80
60-80	2.20	N.A.	0.20
70-80	0.88	N.A.	0.10
80-90	0.44	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	940.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	254.78
10-20	385.00
20-30	232.77
30-40	59.91
40-50	3.02
50-60	2.85
60-70	1.32
70-80	0.88
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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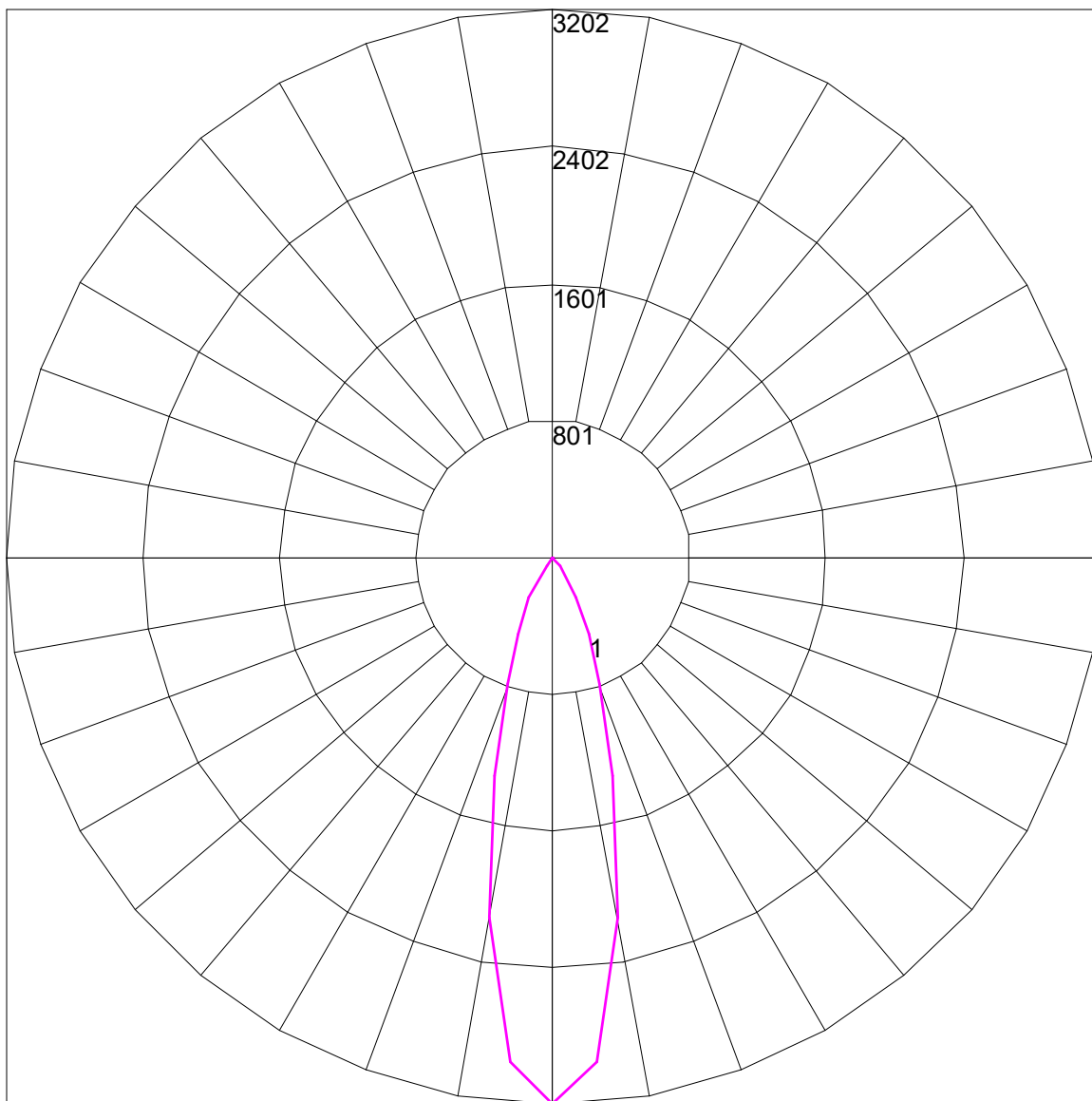
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	106	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

POLAR GRAPH



Maximum Candela = 3202.355 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)