

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00567\_15 ~ C0412XT-13LXXK-XWEX-SOXXMW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00567\_15\_M-13L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 4/17/2017  
 [UPDATE] 6/5/2017  
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam  
 [LUMCAT] C0412XT-13L-xxK-WD-EX-SO-xx-MW  
 [OTHER] Matte White finish, Solite Lens  
 [OTHER] 55.1 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	897
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.82
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	9517	9213	10990
55	2485	2108	2700
65	1087	1207	1092
75	882	919	601
85	1499	1136	1136

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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>	1184.123	1184.123	1184.123	1184.123	1184.123
<b>5</b>	1159.054	1168.654	1170.078	1172.753	1170.075
<b>10</b>	1102.828	1115.094	1111.919	1121.701	1119.502
<b>15</b>	1012.894	1023.362	1023.298	1035.412	1038.909
<b>20</b>	869.060	887.306	883.848	904.241	910.296
<b>25</b>	654.201	680.407	675.470	707.239	711.100
<b>30</b>	403.448	428.850	425.676	458.852	456.908
<b>35</b>	196.853	215.436	215.064	237.257	229.898
<b>40</b>	83.041	89.442	88.021	100.669	98.199
<b>45</b>	34.515	35.394	33.411	39.576	39.856
<b>50</b>	15.072	14.733	13.826	15.961	16.445
<b>55</b>	7.309	6.913	6.201	6.930	7.943
<b>60</b>	4.180	3.688	3.397	3.563	3.988
<b>65</b>	2.356	2.215	2.617	2.291	2.367
<b>70</b>	1.153	1.551	1.496	1.752	1.478
<b>75</b>	1.171	0.955	1.220	1.110	0.798
<b>80</b>	0.620	0.688	0.630	0.816	0.675
<b>85</b>	0.670	0.653	0.508	0.456	0.508
<b>90</b>	0.625	0.349	0.601	0.394	0.618

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Zone	Lumens	%Lamp	%Fixt
0-20	394.99	N.A.	44.00
0-30	702.49	N.A.	78.30
0-40	851.25	N.A.	94.90
0-60	892.69	N.A.	99.50
0-80	896.30	N.A.	99.90
0-90	896.92	N.A.	100.00
10-90	787.09	N.A.	87.80
20-40	456.26	N.A.	50.90
20-50	490.47	N.A.	54.70
40-70	43.90	N.A.	4.90
60-80	3.61	N.A.	0.40
70-80	1.15	N.A.	0.10
80-90	0.62	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	896.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	109.84
10-20	285.15
20-30	307.50
30-40	148.76
40-50	34.21
50-60	7.23
60-70	2.46
70-80	1.15
80-90	0.62
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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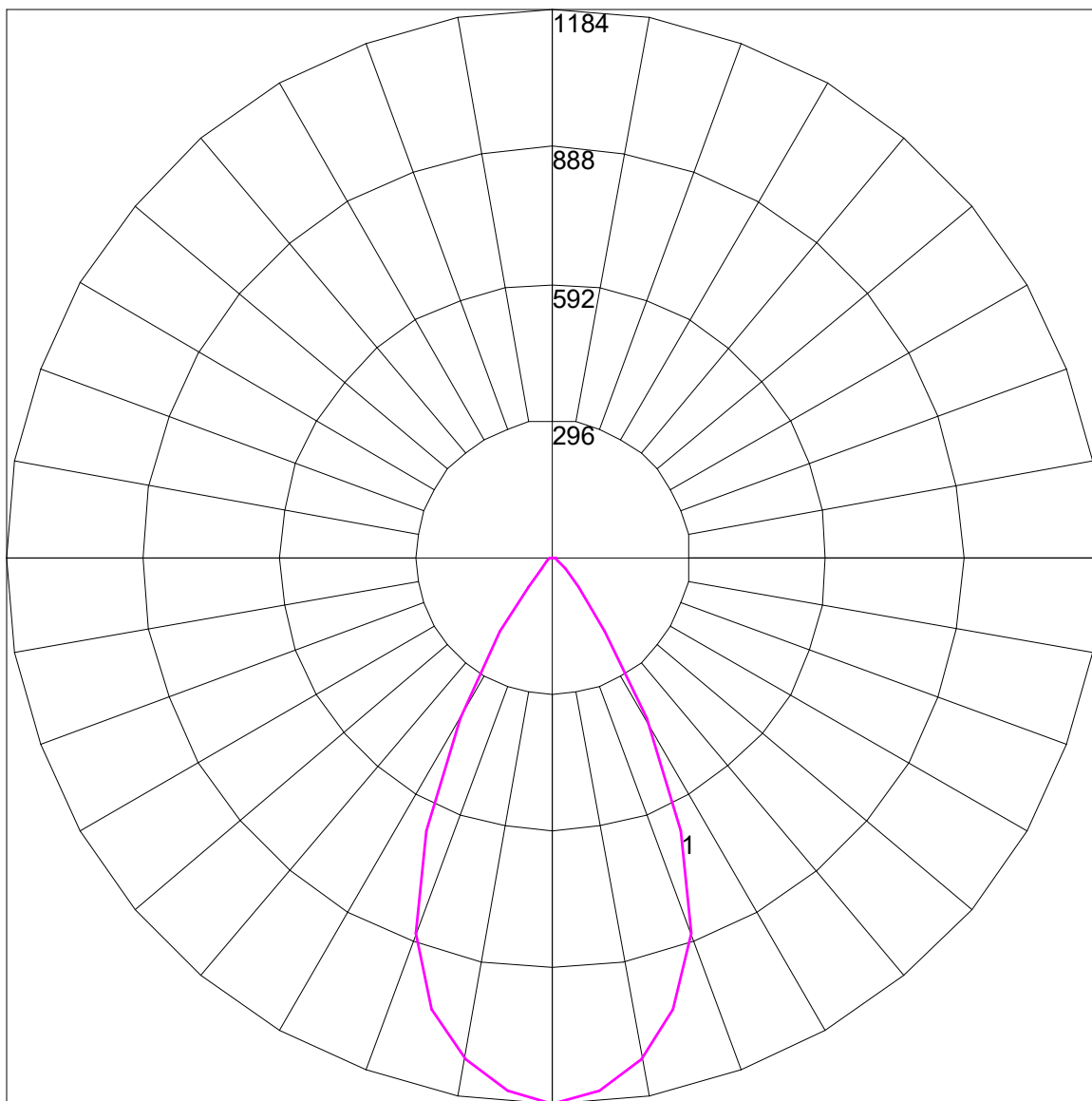
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

POLAR GRAPH



Maximum Candela = 1184.123 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)