

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567\_9 ~ C0412XT-10LXXK-WDEX-GLXXMW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] SP-00567\_9\_M-10L  
[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-10L-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	659
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	9.1
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	1325	1398	1409
55	902	952	963
65	257	181	148
75	332	286	304
85	669	808	351

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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>	1498.720	1498.720	1498.720	1498.720	1498.720
<b>5</b>	1426.895	1423.850	1440.650	1435.887	1448.852
<b>10</b>	1256.302	1251.873	1270.786	1262.188	1277.688
<b>15</b>	984.246	971.466	983.369	972.169	986.965
<b>20</b>	670.394	660.158	661.014	659.389	664.840
<b>25</b>	426.181	426.889	424.086	427.739	427.058
<b>30</b>	234.115	223.885	230.436	222.101	234.377
<b>35</b>	69.088	61.426	59.583	59.163	62.860
<b>40</b>	8.760	10.637	7.349	10.196	7.724
<b>45</b>	4.805	5.355	5.071	5.226	5.110
<b>50</b>	4.229	4.268	3.910	3.938	3.794
<b>55</b>	2.654	3.031	2.802	2.941	2.832
<b>60</b>	1.220	0.630	1.088	1.015	0.920
<b>65</b>	0.558	0.445	0.392	0.311	0.321
<b>70</b>	0.446	0.626	0.367	0.504	0.336
<b>75</b>	0.441	0.287	0.380	0.405	0.404
<b>80</b>	0.286	0.366	0.332	0.322	0.383
<b>85</b>	0.299	0.322	0.361	0.298	0.157
<b>90</b>	0.259	0.327	0.299	0.235	0.337

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Zone	Lumens	%Lamp	%Fixt
0-20	399.68	N.A.	60.60
0-30	596.60	N.A.	90.50
0-40	650.97	N.A.	98.80
0-60	657.85	N.A.	99.80
0-80	658.81	N.A.	99.90
0-90	659.15	N.A.	100.00
10-90	527.58	N.A.	80.00
20-40	251.29	N.A.	38.10
20-50	255.78	N.A.	38.80
40-70	7.43	N.A.	1.10
60-80	0.96	N.A.	0.10
70-80	0.41	N.A.	0.10
80-90	0.34	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	659.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	131.57
10-20	268.12
20-30	196.92
30-40	54.37
40-50	4.50
50-60	2.39
60-70	0.55
70-80	0.41
80-90	0.34
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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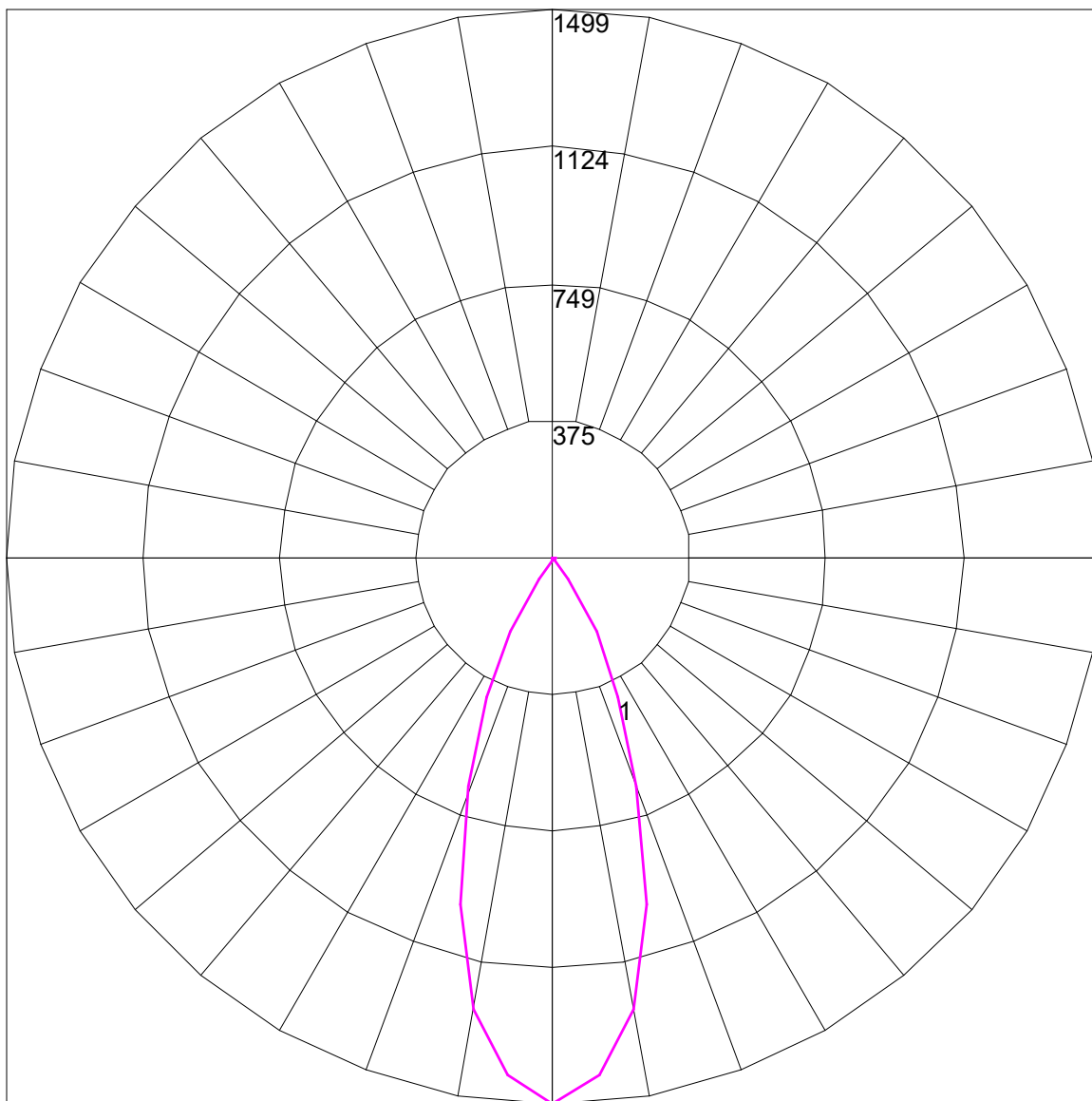
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	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	89	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	71	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 = 1498.72 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)