

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00567\_10 ~ C0412XT-10LXXK-WDEX-NLXXMW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00567\_10\_M-10L  
 [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, Wide Beam  
 [LUMCAT] C0412XT-10L-xxK-WD-EX-NL-xx-MW  
 [OTHER] Matte White finish, No lens  
 [OTHER] 36.7 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	685
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
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	113	195	105
55	144	169	127
65	115	113	213
75	215	134	134
85	647	839	667

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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>	1609.386	1609.386	1609.386	1609.386	1609.386
<b>5</b>	1559.732	1545.207	1553.049	1542.545	1541.252
<b>10</b>	1370.172	1356.485	1367.084	1354.633	1356.955
<b>15</b>	1040.840	1037.960	1049.710	1034.056	1037.722
<b>20</b>	688.412	701.477	697.046	690.100	687.979
<b>25</b>	447.773	455.991	449.036	450.256	448.053
<b>30</b>	231.726	228.922	237.068	230.155	233.026
<b>35</b>	43.938	50.561	54.323	42.684	45.395
<b>40</b>	1.005	3.679	1.219	1.041	1.061
<b>45</b>	0.411	0.456	0.708	0.457	0.381
<b>50</b>	0.302	0.355	0.484	0.417	0.421
<b>55</b>	0.424	0.310	0.497	0.270	0.373
<b>60</b>	0.357	0.339	0.283	0.353	0.444
<b>65</b>	0.250	0.313	0.244	0.373	0.461
<b>70</b>	0.237	0.256	0.271	0.187	0.278
<b>75</b>	0.285	0.192	0.178	0.229	0.178
<b>80</b>	0.207	0.168	0.324	0.210	0.232
<b>85</b>	0.289	0.325	0.375	0.223	0.298
<b>90</b>	0.235	0.203	0.282	0.323	0.411

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Zone	Lumens	%Lamp	%Fixt
0-20	427.13	N.A.	62.40
0-30	633.65	N.A.	92.50
0-40	683.22	N.A.	99.70
0-60	684.15	N.A.	99.90
0-80	684.69	N.A.	100.00
0-90	684.99	N.A.	100.00
10-90	543.21	N.A.	79.30
20-40	256.08	N.A.	37.40
20-50	256.68	N.A.	37.50
40-70	1.24	N.A.	0.20
60-80	0.54	N.A.	0.10
70-80	0.23	N.A.	0.00
80-90	0.31	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	684.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	141.78
10-20	285.35
20-30	206.52
30-40	49.57
40-50	0.60
50-60	0.33
60-70	0.30
70-80	0.23
80-90	0.31
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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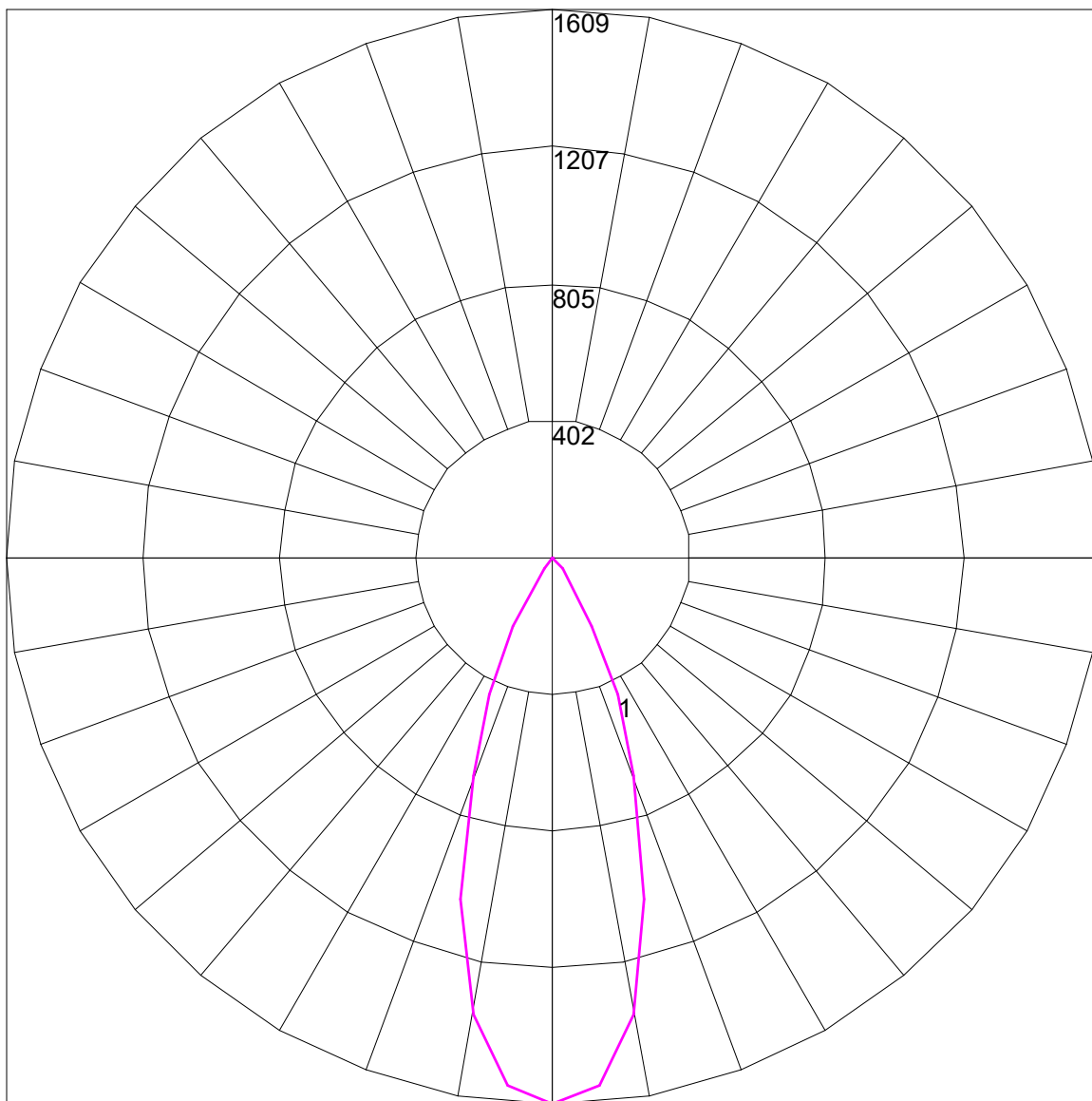
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	74	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

POLAR GRAPH



Maximum Candela = 1609.386 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)