

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00567\_14 ~ C0412XT-40LXXK-XWEX-NLXXMW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00567\_14\_M-40L  
 [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-40L-xxK-XW-EX-NL-xx-MW  
 [OTHER] Matte White finish, No lens  
 [OTHER] 53 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	2719
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.80
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	9147	10298	12141
55	580	811	580
65	485	548	636
75	835	1067	928
85	2872	2013	2644

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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>	3819.373	3819.373	3819.373	3819.373	3819.373
<b>5</b>	3726.701	3758.528	3761.656	3777.517	3769.068
<b>10</b>	3528.351	3569.617	3567.547	3617.788	3591.677
<b>15</b>	3263.870	3302.371	3294.434	3352.324	3340.392
<b>20</b>	2851.953	2902.293	2879.210	2966.037	2948.197
<b>25</b>	2189.493	2255.800	2229.796	2339.355	2330.652
<b>30</b>	1265.064	1353.121	1316.062	1466.393	1461.676
<b>35</b>	435.745	493.335	497.263	553.861	569.757
<b>40</b>	128.086	144.045	144.841	163.081	162.592
<b>45</b>	33.174	39.037	37.348	45.960	44.032
<b>50</b>	5.600	6.306	6.865	7.648	7.674
<b>55</b>	1.706	1.576	2.385	2.212	1.706
<b>60</b>	1.500	1.376	1.691	1.327	1.633
<b>65</b>	1.051	1.225	1.187	0.945	1.379
<b>70</b>	1.250	1.272	0.784	0.968	1.653
<b>75</b>	1.109	1.488	1.417	0.859	1.232
<b>80</b>	1.361	1.421	1.846	1.297	1.422
<b>85</b>	1.284	1.165	0.900	1.570	1.182
<b>90</b>	1.743	0.541	1.154	0.588	1.039

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Zone	Lumens	%Lamp	%Fixt
0-20	1275.01	N.A.	46.90
0-30	2280.03	N.A.	83.80
0-40	2668.14	N.A.	98.10
0-60	2715.48	N.A.	99.90
0-80	2718.04	N.A.	100.00
0-90	2719.36	N.A.	100.00
10-90	2366.15	N.A.	87.00
20-40	1393.13	N.A.	51.20
20-50	1437.75	N.A.	52.90
40-70	48.55	N.A.	1.80
60-80	2.56	N.A.	0.10
70-80	1.34	N.A.	0.00
80-90	1.32	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	2719.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	353.21
10-20	921.81
20-30	1005.02
30-40	388.11
40-50	44.62
50-60	2.72
60-70	1.21
70-80	1.34
80-90	1.32
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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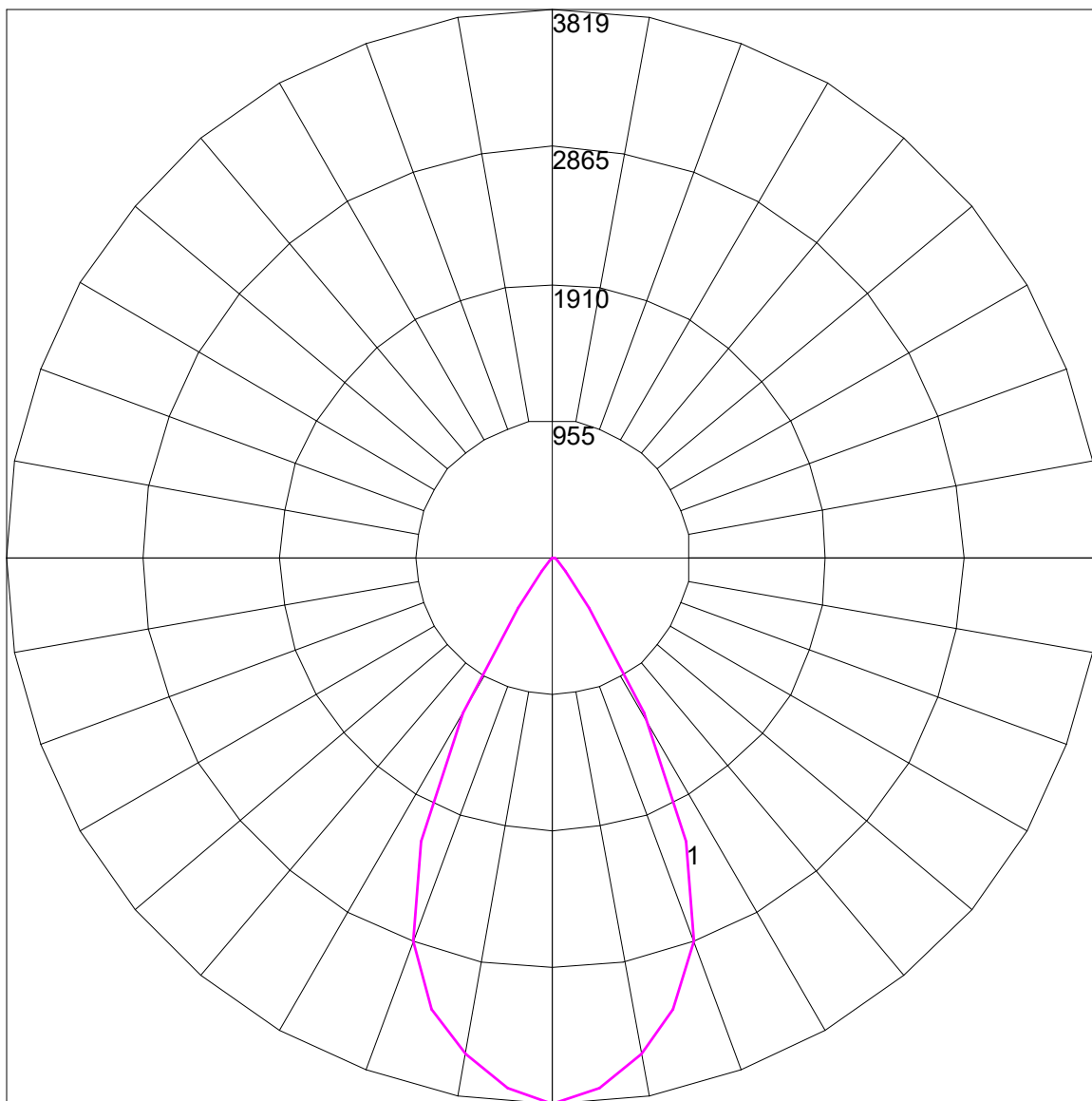
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	105	101	98	107	103	99	97	100	97	95	97	94	93	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	76	67	62	59	75	67	62	58	66	62	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 3819.373 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)