

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00567\_6 ~ C0412XT-40LXXK-MDEX-NLXXMW.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00567\_6\_M-40L  
[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, Medium Beam  
[LUMCAT] C0412XT-40L-xxK-MD-EX-NL-xx-MW  
[OTHER] Matte White finish, No Lens  
[OTHER] 26.9 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	2741
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)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
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	440	377	477
55	614	392	522
65	492	568	717
75	774	582	557
85	2038	2027	1085

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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>	9412.149	9412.149	9412.149	9412.149	9412.149
<b>5</b>	8739.677	8622.698	8679.948	8542.133	8532.385
<b>10</b>	6402.775	6394.469	6390.408	6334.273	6357.782
<b>15</b>	3932.938	4003.707	3960.385	3978.338	3991.467
<b>20</b>	2320.297	2370.814	2322.559	2350.119	2341.206
<b>25</b>	1423.705	1441.938	1419.935	1430.488	1413.445
<b>30</b>	785.539	781.371	770.717	748.934	739.324
<b>35</b>	173.487	208.126	183.149	199.789	194.688
<b>40</b>	3.257	6.320	4.543	7.832	6.382
<b>45</b>	1.595	2.412	1.368	1.457	1.729
<b>50</b>	1.806	1.287	1.672	1.076	1.594
<b>55</b>	1.806	1.355	1.153	1.234	1.537
<b>60</b>	1.677	1.358	0.928	1.036	1.841
<b>65</b>	1.066	0.778	1.231	0.545	1.555
<b>70</b>	1.056	0.709	1.173	0.849	1.089
<b>75</b>	1.028	1.307	0.772	0.699	0.740
<b>80</b>	0.805	0.739	0.487	0.646	1.314
<b>85</b>	0.911	1.697	0.906	1.337	0.485
<b>90</b>	0.872	0.983	1.071	0.972	1.679

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Zone	Lumens	%Lamp	%Fixt
0-20	1886.84	N.A.	68.80
0-30	2559.98	N.A.	93.40
0-40	2734.61	N.A.	99.80
0-60	2737.87	N.A.	99.90
0-80	2739.83	N.A.	100.00
0-90	2740.95	N.A.	100.00
10-90	1988.96	N.A.	72.60
20-40	847.77	N.A.	30.90
20-50	849.82	N.A.	31.00
40-70	4.29	N.A.	0.20
60-80	1.96	N.A.	0.10
70-80	0.93	N.A.	0.00
80-90	1.13	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	2740.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	751.99
10-20	1134.85
20-30	673.14
30-40	174.63
40-50	2.05
50-60	1.21
60-70	1.03
70-80	0.93
80-90	1.13
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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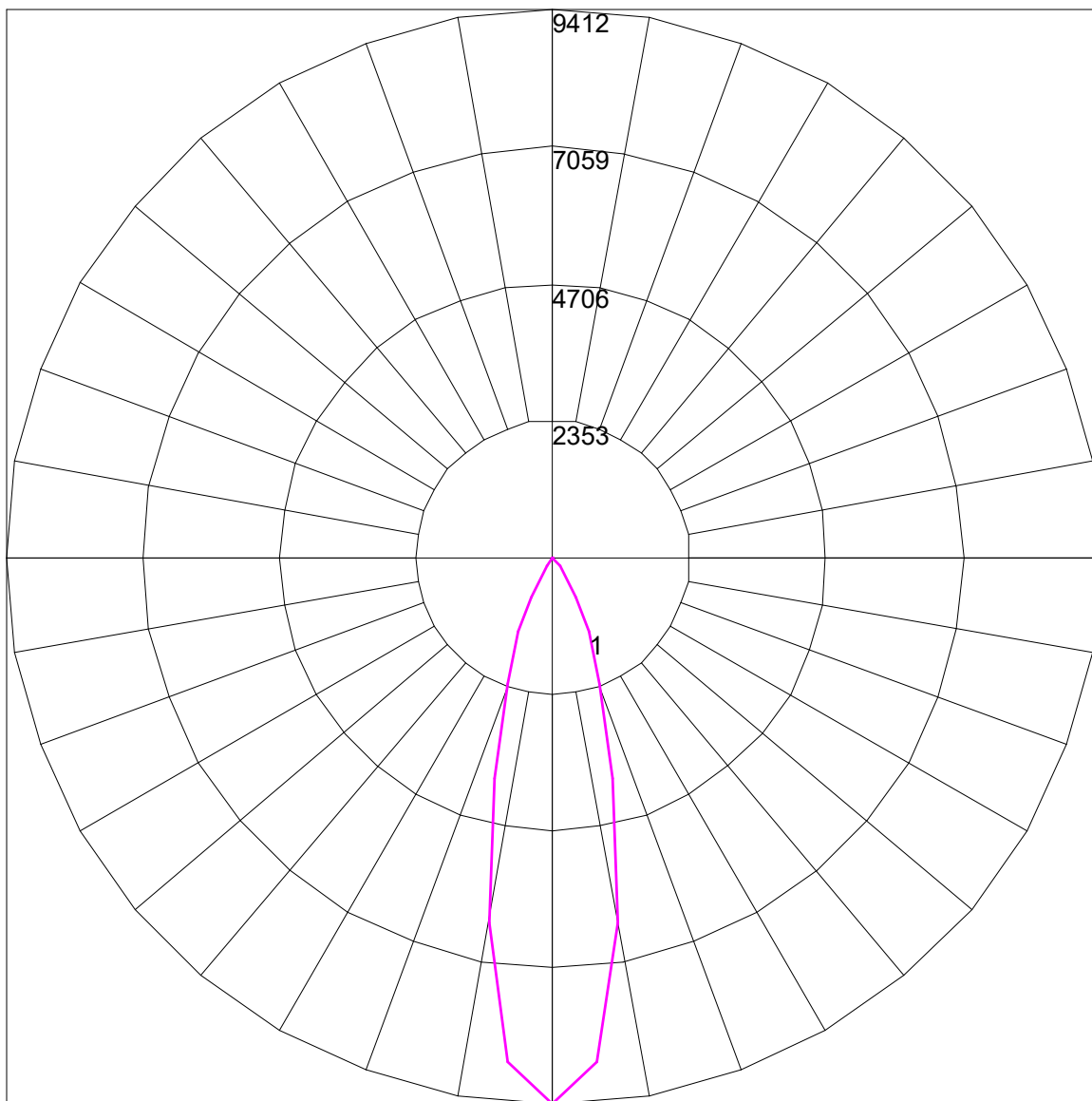
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	78	75	89	82	78	75	81	78	75	80	77	74	80	77	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	75	72	69	75	72	69	68

POLAR GRAPH



Maximum Candela = 9412.149 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)