

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00567\_11 ~ C0412XT-40LXXK-WDEX-SOXXMW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00567\_11\_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, Wide Beam  
 [LUMCAT] C0412XT-40L-xxK-WD-EX-SO-xx-MW  
 [OTHER] Matte White finish, Solite Lens  
 [OTHER] 38 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	2588
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.64
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	14271	11322	15389
55	3936	4222	4799
65	1868	1988	1924
75	1674	1067	2122
85	2993	2660	2501

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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>	5544.709	5544.709	5544.709	5544.709	5544.709
<b>5</b>	5301.695	5330.806	5334.815	5349.709	5374.836
<b>10</b>	4638.757	4662.614	4666.553	4675.541	4705.764
<b>15</b>	3632.798	3639.993	3637.532	3639.343	3648.475
<b>20</b>	2551.449	2542.282	2547.723	2546.773	2563.409
<b>25</b>	1627.011	1622.412	1624.916	1646.902	1663.744
<b>30</b>	878.898	887.075	883.085	901.772	925.463
<b>35</b>	354.751	377.750	376.431	380.909	391.612
<b>40</b>	127.326	130.656	121.980	129.542	139.603
<b>45</b>	51.754	48.431	41.061	46.097	55.812
<b>50</b>	26.746	23.248	19.812	21.320	26.413
<b>55</b>	11.579	12.345	12.419	12.138	14.117
<b>60</b>	7.474	6.855	7.349	8.206	6.909
<b>65</b>	4.048	3.712	4.310	5.078	4.170
<b>70</b>	3.088	2.735	3.323	2.414	2.942
<b>75</b>	2.222	2.190	1.417	2.338	2.817
<b>80</b>	1.103	1.353	1.555	1.800	1.360
<b>85</b>	1.338	1.049	1.189	1.168	1.118
<b>90</b>	0.688	0.902	0.968	0.956	1.073

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Zone	Lumens	%Lamp	%Fixt
0-20	1490.94	N.A.	57.60
0-30	2249.68	N.A.	86.90
0-40	2521.21	N.A.	97.40
0-60	2580.24	N.A.	99.70
0-80	2587.17	N.A.	100.00
0-90	2588.46	N.A.	100.00
10-90	2100.35	N.A.	81.10
20-40	1030.26	N.A.	39.80
20-50	1077.06	N.A.	41.60
40-70	63.69	N.A.	2.50
60-80	6.93	N.A.	0.30
70-80	2.27	N.A.	0.10
80-90	1.29	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	2588.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	488.11
10-20	1002.83
20-30	758.74
30-40	271.52
40-50	46.80
50-60	12.23
60-70	4.66
70-80	2.27
80-90	1.29
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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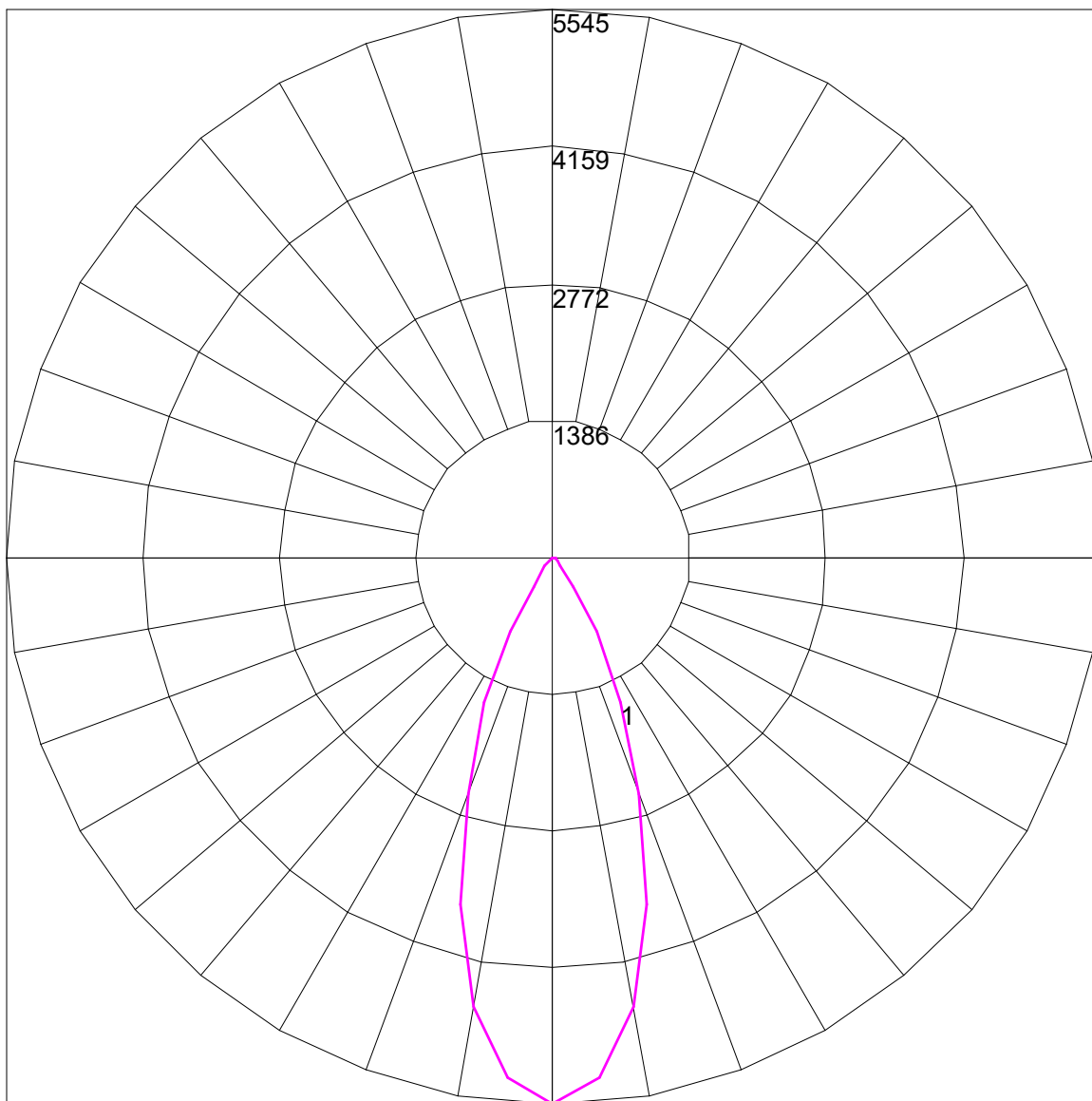
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 5544.709 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)