

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00567\_6 ~ C0412XT-10LXXK-MDEX-NLXXMW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00567\_6\_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, Medium Beam  
 [LUMCAT] C0412XT-10L-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	687
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)	0.46
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	110	95	119
55	154	98	131
65	123	143	180
75	194	145	139
85	510	508	273

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567\_6 ~ C0412XT-10LXXK-MDEX-NLXXMW.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	2359.149	2359.149	2359.149	2359.149	2359.149
<b>5</b>	2190.594	2161.274	2175.623	2141.080	2138.637
<b>10</b>	1604.852	1602.770	1601.752	1587.682	1593.574
<b>15</b>	985.788	1003.526	992.668	997.168	1000.459
<b>20</b>	581.581	594.243	582.148	589.056	586.822
<b>25</b>	356.851	361.421	355.906	358.551	354.279
<b>30</b>	196.895	195.850	193.180	187.720	185.311
<b>35</b>	43.484	52.167	45.906	50.077	48.798
<b>40</b>	0.816	1.584	1.139	1.963	1.600
<b>45</b>	0.400	0.604	0.343	0.365	0.433
<b>50</b>	0.453	0.323	0.419	0.270	0.400
<b>55</b>	0.453	0.340	0.289	0.309	0.385
<b>60</b>	0.420	0.340	0.233	0.260	0.461
<b>65</b>	0.267	0.195	0.309	0.137	0.390
<b>70</b>	0.265	0.178	0.294	0.213	0.273
<b>75</b>	0.258	0.328	0.193	0.175	0.185
<b>80</b>	0.202	0.185	0.122	0.162	0.329
<b>85</b>	0.228	0.425	0.227	0.335	0.122
<b>90</b>	0.219	0.246	0.268	0.244	0.421

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00567\_6 ~ C0412XT-10LXXK-MDEX-NLXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	472.94	N.A.	68.80
0-30	641.66	N.A.	93.40
0-40	685.43	N.A.	99.80
0-60	686.25	N.A.	99.90
0-80	686.74	N.A.	100.00
0-90	687.02	N.A.	100.00
10-90	498.53	N.A.	72.60
20-40	212.49	N.A.	30.90
20-50	213.01	N.A.	31.00
40-70	1.07	N.A.	0.20
60-80	0.49	N.A.	0.10
70-80	0.23	N.A.	0.00
80-90	0.28	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	687.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	188.49
10-20	284.45
20-30	168.72
30-40	43.77
40-50	0.51
50-60	0.30
60-70	0.26
70-80	0.23
80-90	0.28
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

# IES INDOOR REPORT

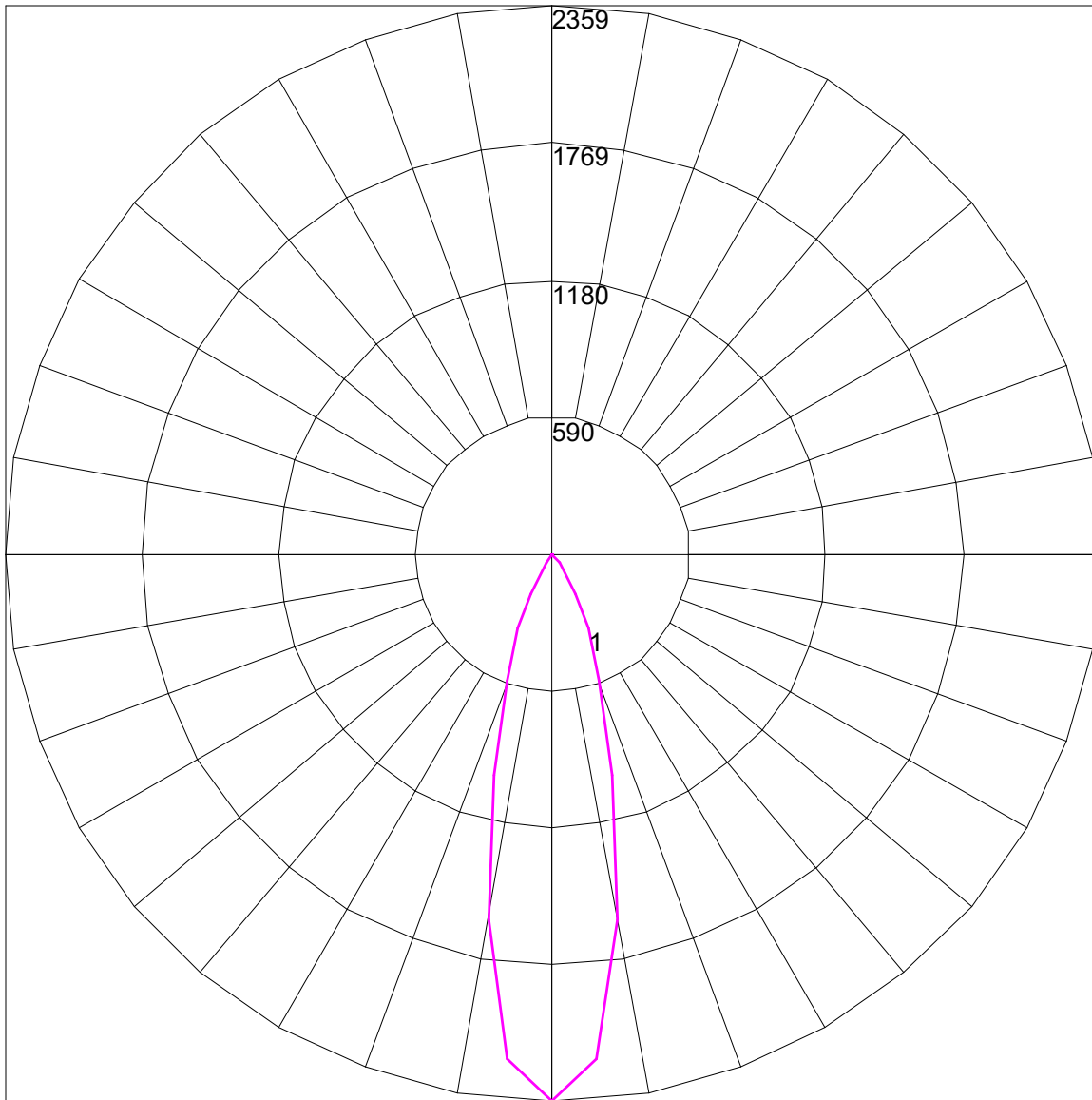
PHOTOMETRIC FILENAME : SP-00567\_6 ~ C0412XT-10LXXK-MDEX-NLXXMW.IES

## 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 = 2359.149 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)