

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_4 ~ C0612XT-30LXXK-MDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00561\_4\_M-30L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 4/27/2017  
[UPDATE] 3/29/2018  
[LUMINAIRE] Nom.6" Diam x 12"H. LED Cylinder XT Series, Medium Beam  
[LUMCAT] C0612XT-30L-xxK-MD-EX-BB-NL-MW  
[OTHER] Matte White finish, Black baffle, no lens  
[OTHER] 22.3 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	2435
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.52 ft (Diameter)
Luminous Width (90-270)	0.52 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_4 ~ C0612XT-30LXXK-MDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	186	91	185
55	98	181	89
65	54	93	164
75	166	73	107
85	571	514	759

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_4 ~ C0612XT-30LXXK-MDEX-BB-NL-MW.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>	10251.360	10251.360	10251.360	10251.360	10251.360
<b>5</b>	9142.602	9138.822	9154.242	9127.494	9158.106
<b>10</b>	5844.964	5828.385	5805.072	5770.838	5774.670
<b>15</b>	2769.337	2768.198	2742.581	2711.811	2705.749
<b>20</b>	1347.832	1338.655	1322.916	1308.778	1297.832
<b>25</b>	939.800	930.593	928.708	923.351	923.602
<b>30</b>	857.786	850.749	849.575	848.173	848.030
<b>35</b>	651.310	637.826	663.627	643.229	667.309
<b>40</b>	136.082	90.565	96.209	69.949	60.170
<b>45</b>	2.597	3.004	1.269	1.241	2.585
<b>50</b>	1.173	1.682	1.057	1.252	1.435
<b>55</b>	1.108	1.247	2.055	1.042	1.013
<b>60</b>	0.880	0.755	1.211	0.638	1.024
<b>65</b>	0.454	0.720	0.779	0.706	1.369
<b>70</b>	0.643	0.880	0.508	0.754	0.988
<b>75</b>	0.848	0.457	0.375	0.608	0.547
<b>80</b>	0.976	0.623	0.902	1.185	0.740
<b>85</b>	0.983	1.250	0.885	1.033	1.306
<b>90</b>	0.044	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1608.2	N.A.	66.00
0-30	2069.51	N.A.	85.00
0-40	2414.01	N.A.	99.10
0-60	2432.58	N.A.	99.90
0-80	2434.09	N.A.	100.00
0-90	2434.92	N.A.	100.00
10-90	1668.39	N.A.	68.50
20-40	805.81	N.A.	33.10
20-50	823.28	N.A.	33.80
40-70	19.37	N.A.	0.80
60-80	1.50	N.A.	0.10
70-80	0.71	N.A.	0.00
80-90	0.83	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	2434.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	766.53
10-20	841.67
20-30	461.31
30-40	344.50
40-50	17.48
50-60	1.10
60-70	0.79
70-80	0.71
80-90	0.83
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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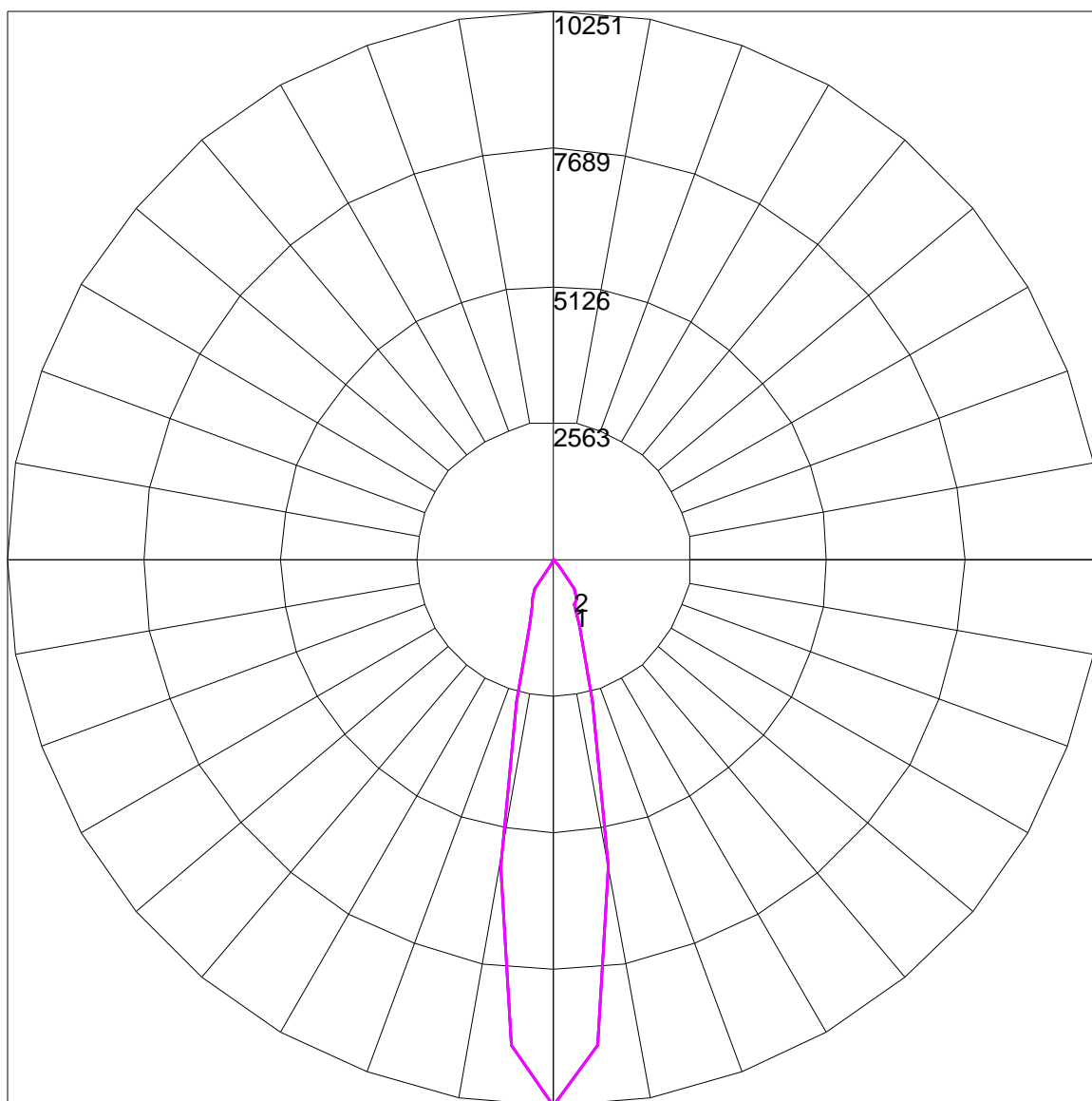
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72
9	86	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

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POLAR GRAPH



Maximum Candela = 10251.36 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)