

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-50LXXK-NDEX-BB-NL-MW.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00561  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 4/27/2017  
 [UPDATE] 3/29/2018  
 [LUMINAIRE] Nom.6" Diam x 12"H. LED Cylinder XT Series, Narrow Beam  
 [LUMCAT] C0612XT-50L-xxK-ND-EX-BB-NL-MW  
 [OTHER] Matte White finish, black baffle, no lens  
 [OTHER] 13.2 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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4475
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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 ~ C0612XT-50LXXK-NDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	446	336	245
55	85	99	134
65	141	216	146
75	271	236	251
85	1107	1243	1395

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-50LXXK-NDEX-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>	41687.109	41687.109	41687.109	41687.109	41687.109
<b>5</b>	27008.711	27058.740	27114.109	27158.150	27208.910
<b>10</b>	7875.477	7973.165	7969.657	7895.869	7849.366
<b>15</b>	2710.829	2738.556	2712.094	2650.345	2616.299
<b>20</b>	1779.247	1760.649	1764.545	1739.004	1731.580
<b>25</b>	1601.651	1579.810	1566.180	1546.901	1558.093
<b>30</b>	1503.931	1478.872	1469.923	1455.593	1455.757
<b>35</b>	1151.104	1141.696	1163.477	1104.137	1102.849
<b>40</b>	337.649	283.973	250.081	204.215	200.396
<b>45</b>	6.231	6.509	4.698	4.504	3.428
<b>50</b>	2.194	2.053	1.885	1.224	1.847
<b>55</b>	0.961	1.593	1.120	1.776	1.521
<b>60</b>	1.578	1.584	1.694	1.319	1.676
<b>65</b>	1.178	1.524	1.802	1.344	1.216
<b>70</b>	2.669	1.432	1.239	2.531	1.374
<b>75</b>	1.387	0.674	1.207	1.360	1.284
<b>80</b>	1.265	1.788	2.005	0.912	0.724
<b>85</b>	1.906	1.334	2.140	2.874	2.401
<b>90</b>	2.024	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	3071.94	N.A.	68.60
0-30	3805.09	N.A.	85.00
0-40	4419.94	N.A.	98.80
0-60	4470.32	N.A.	99.90
0-80	4473.34	N.A.	100.00
0-90	4474.95	N.A.	100.00
10-90	2399.18	N.A.	53.60
20-40	1348.00	N.A.	30.10
20-50	1396.98	N.A.	31.20
40-70	51.93	N.A.	1.20
60-80	3.02	N.A.	0.10
70-80	1.46	N.A.	0.00
80-90	1.62	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	4474.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	2075.77
10-20	996.18
20-30	733.15
30-40	614.85
40-50	48.98
50-60	1.39
60-70	1.56
70-80	1.46
80-90	1.62
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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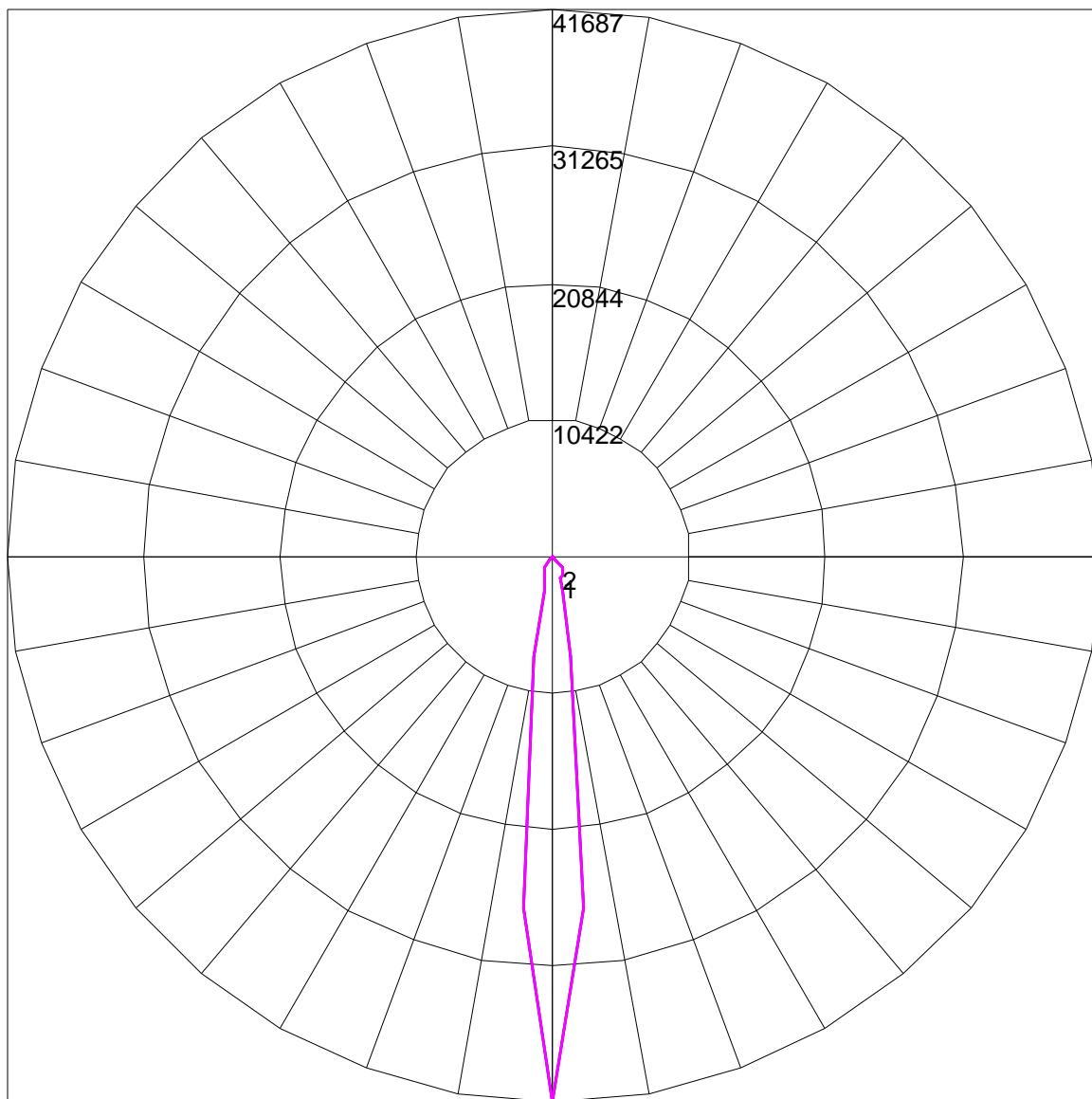
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	81	78	76	75
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73

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POLAR GRAPH



Maximum Candela = 41687.109 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)