

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_12 ~ C0612XT-50LXXK-XWEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00561\_12  
[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, Xtra Wide Beam  
[LUMCAT] C0612XT-50L-xxK-XW-EX-BB-NL-MW  
[OTHER] Matte White finish, Black baffle, no lens  
[OTHER] 61.9 Degree Beam Angle  
[LAMP] N/A  
[LAMPCAT] N/A, Min. 80 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	4080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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\_12 ~ C0612XT-50LXXK-XWEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3526	2726	2371
55	167	199	118
65	186	193	152
75	374	347	256
85	1030	1094	1236

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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>	4564.395	4564.395	4564.395	4564.395	4564.395
<b>5</b>	4535.682	4551.183	4565.863	4562.619	4555.791
<b>10</b>	4432.244	4448.618	4467.932	4472.359	4467.890
<b>15</b>	4222.757	4243.053	4256.919	4253.647	4233.414
<b>20</b>	3845.111	3858.679	3860.432	3863.434	3849.206
<b>25</b>	3274.612	3278.216	3283.310	3276.441	3259.213
<b>30</b>	2540.090	2543.373	2544.210	2533.431	2521.972
<b>35</b>	1474.736	1482.234	1495.317	1484.429	1472.160
<b>40</b>	405.722	381.042	322.853	289.059	319.622
<b>45</b>	49.241	40.241	38.067	30.552	33.115
<b>50</b>	2.404	1.861	2.183	3.386	2.656
<b>55</b>	1.892	2.630	2.253	1.819	1.340
<b>60</b>	1.519	1.754	1.795	2.373	1.550
<b>65</b>	1.555	1.792	1.611	1.425	1.269
<b>70</b>	1.399	1.740	1.006	1.807	1.243
<b>75</b>	1.914	1.010	1.776	1.953	1.308
<b>80</b>	1.887	1.705	0.897	1.264	1.043
<b>85</b>	1.773	1.279	1.883	1.749	2.128
<b>90</b>	1.978	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1615.74	N.A.	39.60
0-30	3099.73	N.A.	76.00
0-40	3996.09	N.A.	97.90
0-60	4075.77	N.A.	99.90
0-80	4078.95	N.A.	100.00
0-90	4080.32	N.A.	100.00
10-90	3648.75	N.A.	89.40
20-40	2380.35	N.A.	58.30
20-50	2458.13	N.A.	60.20
40-70	81.28	N.A.	2.00
60-80	3.18	N.A.	0.10
70-80	1.58	N.A.	0.00
80-90	1.37	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	4080.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	431.57
10-20	1184.17
20-30	1483.98
30-40	896.36
40-50	77.78
50-60	1.91
60-70	1.60
70-80	1.58
80-90	1.37
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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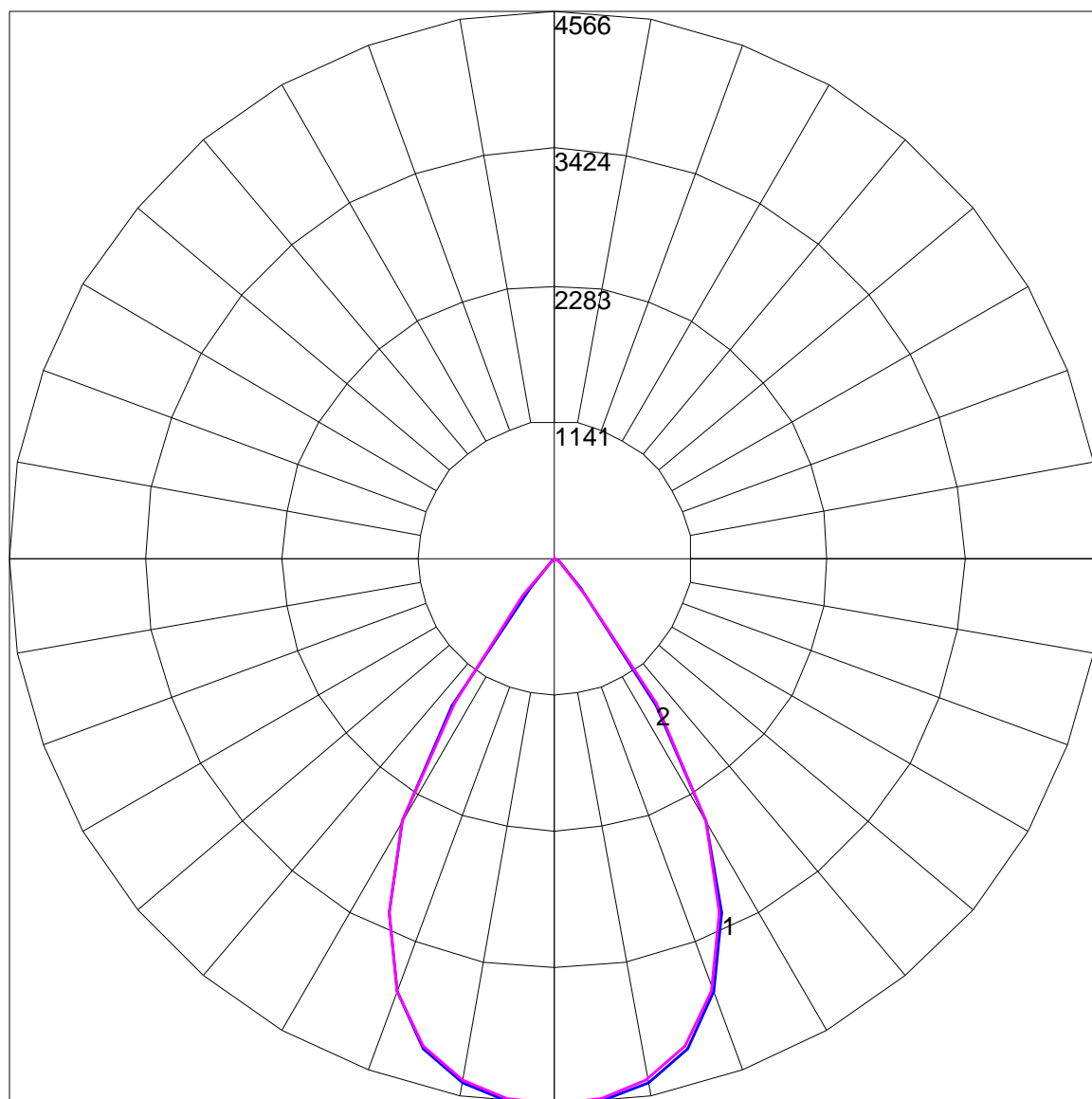
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	73	64	58	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 4565.863 Located At Horizontal Angle = 45, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)