

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-50LXXK-MDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_4
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 4/27/2017
[UPDATE] 6/5/2017
[LUMINAIRE] Nom.6" Diam x 12"H. LED Cylinder XT Series, Medium Beam
[LUMCAT] C0612XT-50L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4058
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)	0.38
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	310	151	309
55	163	302	149
65	91	156	273
75	276	122	178
85	952	857	1265

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	17085.600	17085.600	17085.600	17085.600	17085.600
5	15237.670	15231.370	15257.070	15212.490	15263.510
10	9741.607	9713.975	9675.120	9618.063	9624.450
15	4615.561	4613.663	4570.968	4519.685	4509.581
20	2246.387	2231.091	2204.860	2181.297	2163.054
25	1566.334	1550.989	1547.847	1538.919	1539.336
30	1429.643	1417.915	1415.959	1413.621	1413.383
35	1085.517	1063.044	1106.045	1072.049	1112.181
40	226.803	150.941	160.349	116.581	100.283
45	4.329	5.007	2.115	2.068	4.309
50	1.955	2.803	1.762	2.086	2.392
55	1.847	2.078	3.425	1.736	1.688
60	1.466	1.258	2.019	1.063	1.707
65	0.756	1.200	1.299	1.177	2.282
70	1.071	1.466	0.847	1.256	1.646
75	1.413	0.761	0.625	1.013	0.912
80	1.626	1.038	1.503	1.975	1.233
85	1.639	2.083	1.475	1.722	2.177
90	0.074	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	2680.33	N.A.	66.00
0-30	3449.18	N.A.	85.00
0-40	4023.34	N.A.	99.10
0-60	4054.3	N.A.	99.90
0-80	4056.81	N.A.	100.00
0-90	4058.2	N.A.	100.00
10-90	2780.66	N.A.	68.50
20-40	1343.01	N.A.	33.10
20-50	1372.14	N.A.	33.80
40-70	32.28	N.A.	0.80
60-80	2.51	N.A.	0.10
70-80	1.19	N.A.	0.00
80-90	1.39	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	4058.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1277.54
10-20	1402.79
20-30	768.85
30-40	574.17
40-50	29.13
50-60	1.83
60-70	1.32
70-80	1.19
80-90	1.39
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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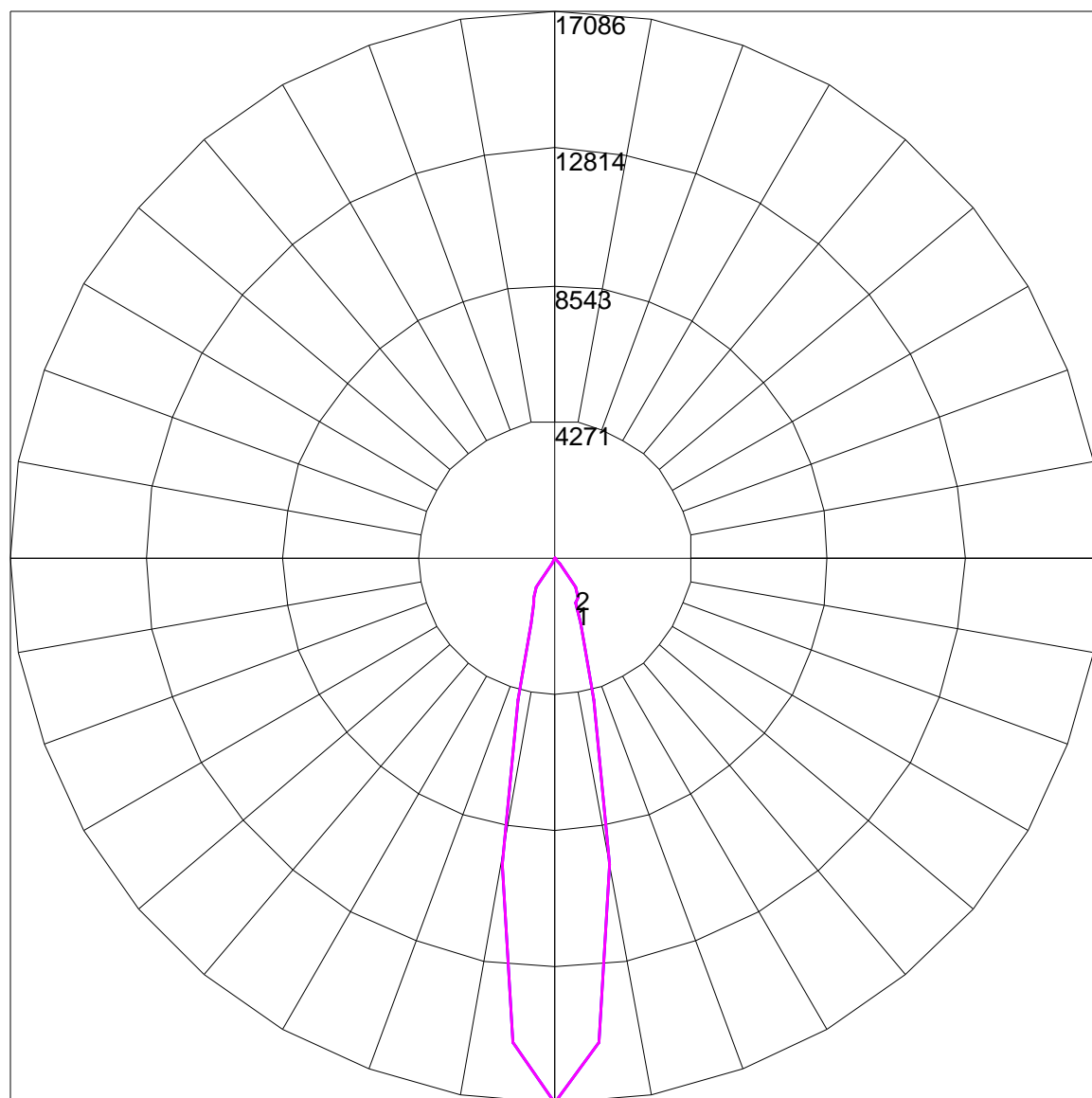
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	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	87	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 = 17085.6 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)