

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00561_8 ~ C0612XT-13LXXK-WDEX-BB-NL-MW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00561_8_M-13L
 [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, Wide Beam
 [LUMCAT] C0612XT-13L-xxK-WD-EX-BB-NL-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 38.7 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	1063
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.66
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_8 ~ C0612XT-13LXXK-WDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	93	78	69
55	31	57	58
65	53	50	49
75	78	55	88
85	275	309	281

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_8 ~ C0612XT-13LXXK-WDEX-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>
0	2123.761	2123.761	2123.761	2123.761	2123.761
5	2037.217	2040.193	2046.753	2046.008	2050.816
10	1784.067	1786.805	1795.835	1797.584	1805.105
15	1405.608	1407.539	1405.640	1409.257	1411.198
20	1008.918	1007.903	1004.045	1001.825	1002.114
25	689.966	686.884	682.345	679.519	680.324
30	473.326	469.017	466.696	465.274	464.650
35	267.934	264.324	261.343	260.925	260.595
40	45.000	32.225	29.757	24.740	23.948
45	1.304	0.819	1.083	0.858	0.960
50	0.742	0.576	0.564	0.536	0.653
55	0.353	0.378	0.643	0.482	0.662
60	0.567	0.336	0.350	0.359	0.417
65	0.444	0.409	0.419	0.458	0.407
70	0.445	0.332	0.554	0.264	0.271
75	0.400	0.412	0.282	0.444	0.451
80	0.415	0.407	0.407	0.458	0.495
85	0.474	0.391	0.532	0.295	0.484
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	575.85	N.A.	54.20
0-30	898.58	N.A.	84.60
0-40	1055.00	N.A.	99.30
0-60	1061.55	N.A.	99.90
0-80	1062.37	N.A.	100.00
0-90	1062.72	N.A.	100.00
10-90	875.60	N.A.	82.40
20-40	479.14	N.A.	45.10
20-50	485.25	N.A.	45.70
40-70	6.95	N.A.	0.70
60-80	0.82	N.A.	0.10
70-80	0.42	N.A.	0.00
80-90	0.35	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	1062.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.12
10-20	388.73
20-30	322.73
30-40	156.42
40-50	6.11
50-60	0.44
60-70	0.40
70-80	0.42
80-90	0.35
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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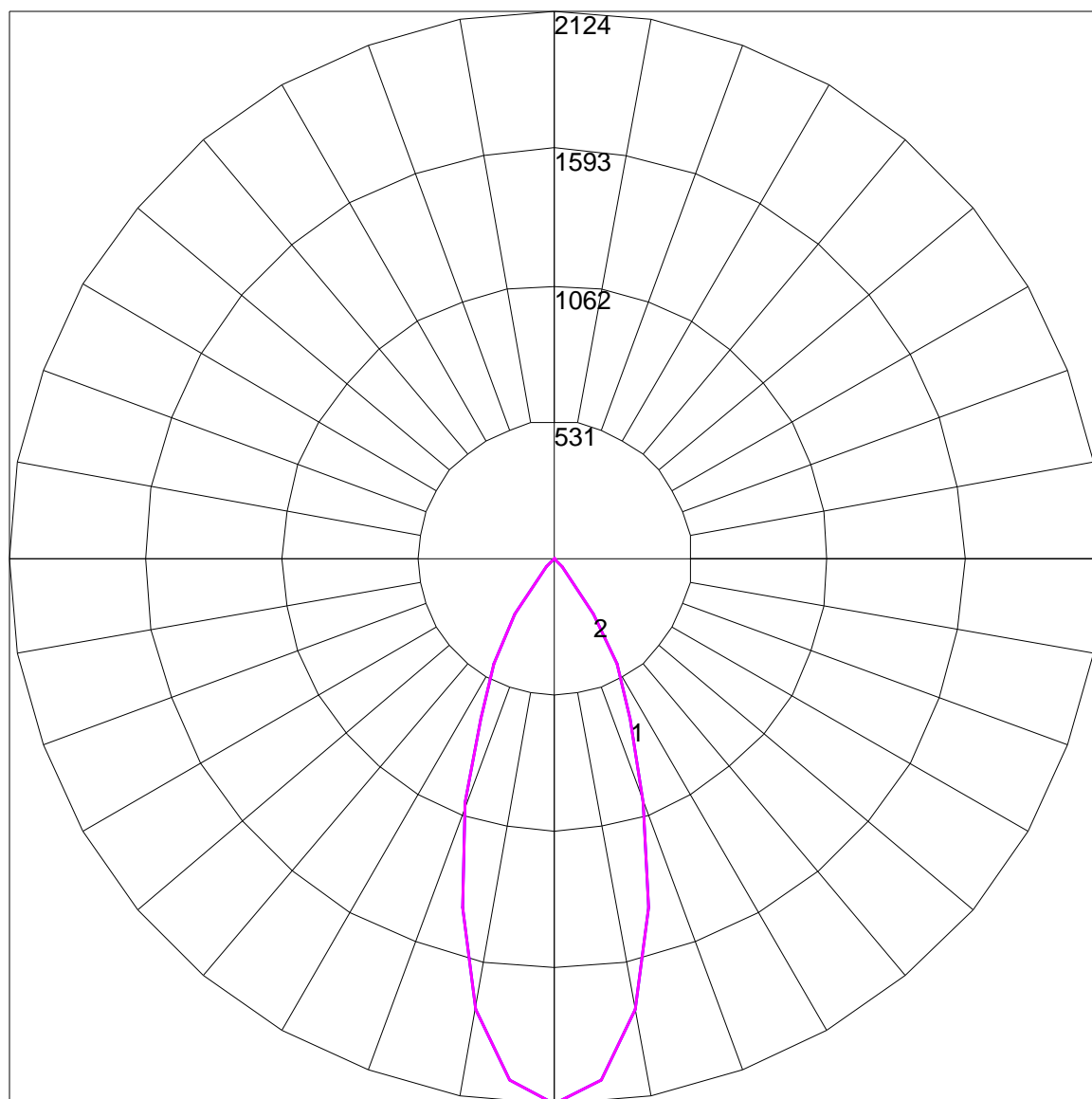
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 2123.761 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)