

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00618_2 ~ C0611SQXT-13LXXK-MDEX-TCY-NLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00618_2_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C0611SQXT-13L-xxK-MD-EX-TCY-NL-xx-MW
 [LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight
 [OTHER] Upper, Internal Reflector, Medium Beam
 [OTHER] Lower Trim, Same Color as Cylinder - Matte White
 [OTHER] No Lens
 [OTHER] 37.7 Degree Beam Angle
 [LAMPCAT] N/A
 [LAMP] N/A, 19mm LES
 [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 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.32 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_2 ~ C0611SQXT-13LXXK-MDEX-TCY-NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5466	5410	4915
55	3684	4239	3413
65	3953	4113	3514
75	4244	4758	4608
85	3601	4049	4638

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305
5	2375.864	2386.092	2386.547	2401.465	2394.827	2383.865	2390.232	2386.665	2381.427	2383.062
10	2041.964	2051.016	2055.942	2060.824	2062.019	2054.476	2063.519	2058.976	2056.114	2049.147
15	1598.002	1604.501	1614.761	1607.681	1612.970	1613.866	1623.623	1614.741	1614.584	1606.885
20	1157.294	1174.278	1193.887	1170.608	1159.873	1171.614	1194.842	1172.626	1146.985	1157.368
25	734.883	814.634	855.652	776.724	708.237	775.170	848.959	787.786	673.878	750.478
30	313.881	473.330	593.390	350.674	279.565	363.592	578.928	379.048	267.909	307.437
35	95.855	135.975	319.691	85.288	77.056	112.705	300.895	118.372	77.868	96.823
40	50.903	53.489	87.635	48.703	46.286	46.558	73.641	45.422	46.234	50.275
45	36.047	37.448	35.680	34.819	32.412	33.054	32.491	31.016	32.122	35.306
50	26.572	29.241	27.961	26.748	24.575	25.568	25.046	23.627	23.505	26.177
55	19.710	22.340	22.678	20.943	18.259	20.220	19.677	19.602	17.894	20.594
60	16.376	18.632	19.005	16.513	14.844	17.023	18.137	16.840	15.210	17.389
65	15.581	16.268	16.213	16.340	13.850	16.022	17.179	16.756	14.828	17.616
70	13.980	14.531	14.772	14.931	14.191	16.046	16.017	16.056	15.343	16.553
75	10.244	11.022	11.486	11.645	11.124	15.516	13.572	15.067	13.954	14.518
80	6.541	6.943	6.120	7.879	6.888	12.746	11.482	11.888	11.430	11.095
85	2.927	3.339	3.291	3.638	3.770	9.139	9.235	9.123	9.037	8.666
90	0.703	0.758	1.278	1.230	1.224	7.486	7.208	7.011	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305	2509.305
5	2376.043	2409.124	2407.333	2397.346	2395.366	2385.793	2375.864
10	2045.838	2072.539	2075.385	2073.143	2066.567	2058.430	2041.964
15	1606.887	1611.497	1612.061	1620.613	1619.462	1616.251	1598.002
20	1186.463	1175.123	1159.986	1177.896	1186.935	1178.880	1157.294
25	843.403	808.174	730.133	801.804	845.683	796.612	734.883
30	589.694	446.341	269.987	422.959	604.184	419.141	313.881
35	277.009	107.331	88.086	130.471	337.698	122.136	95.855
40	82.386	50.668	48.771	51.960	104.380	52.858	50.903
45	37.504	35.581	33.372	36.400	40.007	37.787	36.047

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50	27.554	27.613	24.359	26.789	28.818	28.607	26.572
55	22.682	22.212	17.472	20.607	24.765	22.513	19.710
60	19.692	18.495	16.728	17.659	20.529	18.388	16.376
65	18.251	18.680	15.224	15.967	17.370	17.253	15.581
70	16.190	16.239	15.861	13.374	13.776	14.729	13.980
75	14.018	13.876	12.580	9.254	8.524	10.365	10.244
80	10.577	10.584	10.566	5.320	5.647	5.894	6.541
85	7.942	7.887	7.720	2.006	2.288	2.607	2.927
90	0.000	0.000	0.000	0.000	0.000	0.000	0.703
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	665.06	N.A.	54.20
0-30	1022.31	N.A.	83.30
0-40	1142.16	N.A.	93.10
0-60	1191.08	N.A.	97.10
0-80	1220.2	N.A.	99.50
0-90	1226.22	N.A.	100.00
10-90	1008.49	N.A.	82.20
20-40	477.09	N.A.	38.90
20-50	506.89	N.A.	41.30
40-70	65.21	N.A.	5.30
60-80	29.12	N.A.	2.40
70-80	12.84	N.A.	1.00
80-90	6.02	N.A.	0.50
90-110	0.46	N.A.	0.00
90-120	0.46	N.A.	0.00
90-130	0.46	N.A.	0.00
90-150	0.46	N.A.	0.00
90-180	0.46	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1226.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	217.73
10-20	447.33
20-30	357.24
30-40	119.85
40-50	29.80
50-60	19.12
60-70	16.29
70-80	12.84
80-90	6.02
90-100	0.46
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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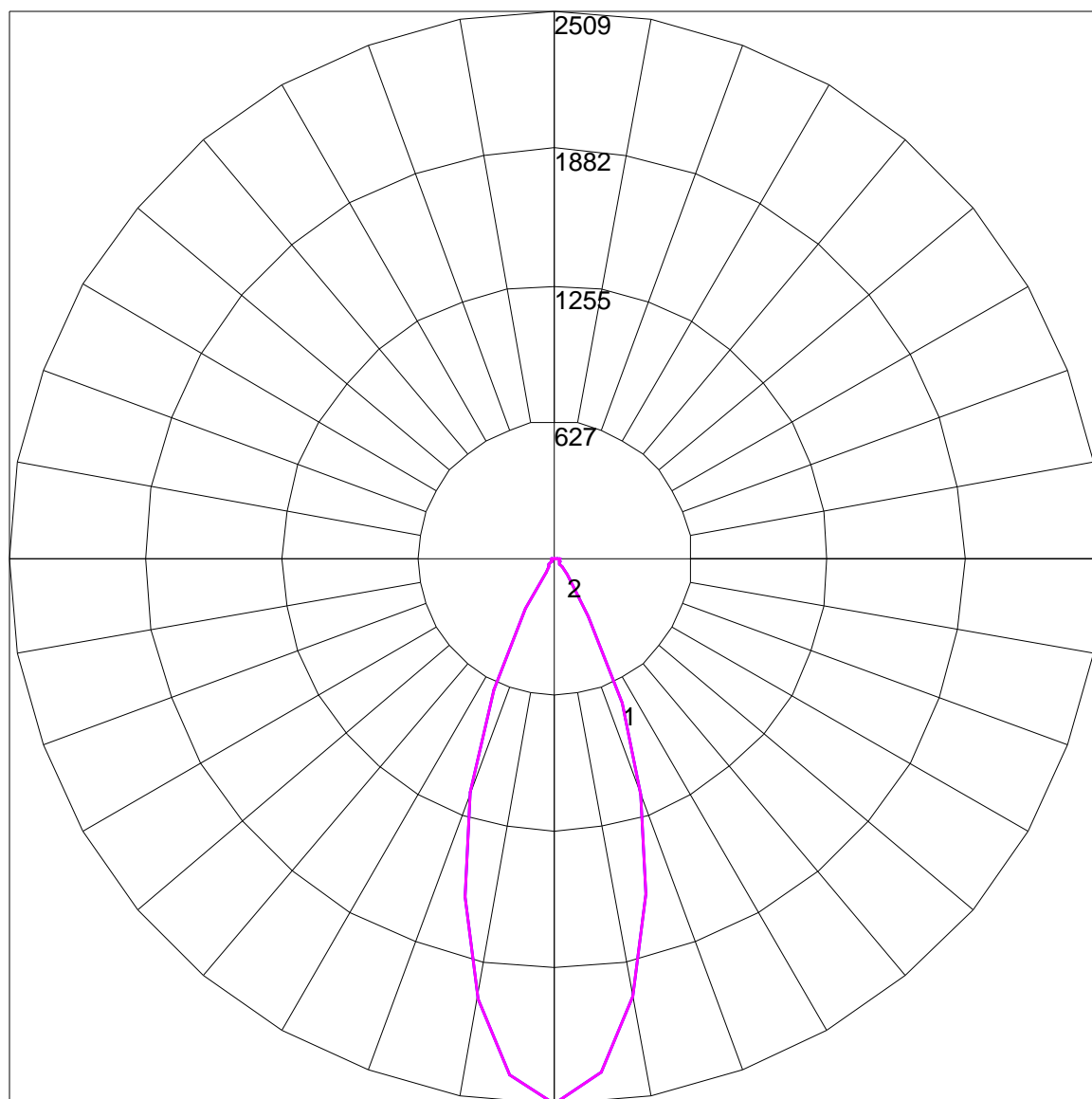
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

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POLAR GRAPH



Maximum Candela = 2509.305 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)