

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_10 ~ C0611SQXT-13LXXK-WDEX-TCY-NLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00618_10_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/26/2018

[LUMCAT] C0611SQXT-13L-xxK-WD-EX-TCY-NL-xx-MW

[LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight

[OTHER] Upper, Internal Reflector, Wide Beam

[OTHER] Lower Trim, Same Color as Cylinder - Matte White

[OTHER] No Lens, Flush with Lower Trim

[OTHER] 43.1 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	1206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.76
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_10 ~ C0611SQXT-13LXXK-WDEX-TCY-NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6558	6651	6143
55	4027	4565	3483
65	3849	4253	3789
75	4366	4244	4455
85	2356	3953	3894

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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	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480
5	1969.852	1968.754	1979.637	1983.543	1986.036	1977.789	1976.974	1977.105	1971.387	1963.587
10	1780.629	1778.754	1788.689	1797.610	1804.477	1797.428	1797.537	1797.074	1787.828	1776.790
15	1481.903	1481.142	1493.829	1502.210	1507.351	1507.754	1511.767	1507.350	1493.648	1487.418
20	1136.605	1138.879	1153.827	1145.347	1139.890	1160.284	1171.925	1158.941	1141.267	1142.663
25	775.139	843.178	861.866	807.776	764.498	811.313	881.036	830.911	742.088	791.265
30	361.747	485.918	630.888	411.978	327.753	426.852	639.113	453.806	325.720	386.504
35	128.743	178.728	339.585	121.905	108.815	146.226	333.641	161.683	117.608	136.685
40	67.371	70.004	95.938	65.859	63.557	69.152	110.040	69.351	65.243	68.213
45	43.248	45.415	43.866	43.275	40.512	45.863	46.279	44.658	40.902	45.513
50	29.403	31.814	31.013	29.327	26.822	31.932	32.957	31.299	26.987	31.100
55	21.542	23.234	24.423	21.970	18.633	23.379	24.432	23.174	19.478	22.179
60	17.110	19.285	20.064	18.491	15.031	18.915	20.330	18.859	17.019	18.405
65	15.172	17.126	16.765	16.510	14.935	18.179	19.394	18.406	16.728	18.151
70	14.225	15.415	14.107	15.139	14.038	18.144	17.900	17.730	17.023	17.730
75	10.539	11.463	10.246	12.233	10.753	17.717	14.136	16.082	14.399	15.594
80	5.824	7.036	6.119	7.168	7.344	13.705	12.008	12.411	11.471	12.406
85	1.915	2.418	3.213	2.943	3.165	9.963	8.914	8.630	8.143	8.825
90	0.889	0.881	1.213	0.932	1.349	6.990	7.128	7.188	2.935	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	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480	2038.480
5	1971.642	1980.172	1986.881	1979.466	1976.296	1971.128	1969.852
10	1784.647	1790.999	1800.581	1792.013	1792.337	1786.097	1780.629
15	1491.107	1483.819	1487.178	1488.608	1500.454	1492.176	1481.903
20	1146.201	1131.608	1131.923	1148.732	1162.935	1151.544	1136.605
25	854.927	842.748	803.799	855.745	886.204	844.403	775.139
30	650.609	501.615	330.802	470.471	667.418	449.486	361.747
35	324.814	141.610	116.503	171.635	387.102	164.919	128.743
40	79.335	70.912	70.852	79.703	137.743	76.947	67.371
45	44.481	45.176	43.384	50.381	53.710	50.148	43.248

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50	33.177	32.274	28.684	33.980	36.808	33.894	29.403
55	25.135	24.202	19.445	23.407	26.797	24.673	21.542
60	20.649	19.919	16.647	19.147	21.099	20.136	17.110
65	18.881	18.975	17.417	17.979	17.383	17.659	15.172
70	16.386	17.704	14.792	15.057	14.696	15.522	14.225
75	14.459	13.542	12.974	9.720	9.499	11.756	10.539
80	10.171	10.424	9.099	5.097	5.769	5.879	5.824
85	7.846	8.069	6.996	2.295	2.043	2.007	1.915
90	0.000	0.000	0.000	0.000	0.000	0.000	0.889
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	595.44	N.A.	49.40
0-30	966.18	N.A.	80.10
0-40	1109.01	N.A.	92.00
0-60	1168.94	N.A.	96.90
0-80	1199.57	N.A.	99.50
0-90	1205.46	N.A.	100.00
10-90	1022.71	N.A.	84.80
20-40	513.57	N.A.	42.60
20-50	552.07	N.A.	45.80
40-70	77.23	N.A.	6.40
60-80	30.63	N.A.	2.50
70-80	13.33	N.A.	1.10
80-90	5.89	N.A.	0.50
90-110	0.50	N.A.	0.00
90-120	0.50	N.A.	0.00
90-130	0.50	N.A.	0.00
90-150	0.50	N.A.	0.00
90-180	0.50	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1205.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.76
10-20	412.69
20-30	370.74
30-40	142.83
40-50	38.51
50-60	21.43
60-70	17.29
70-80	13.33
80-90	5.89
90-100	0.50
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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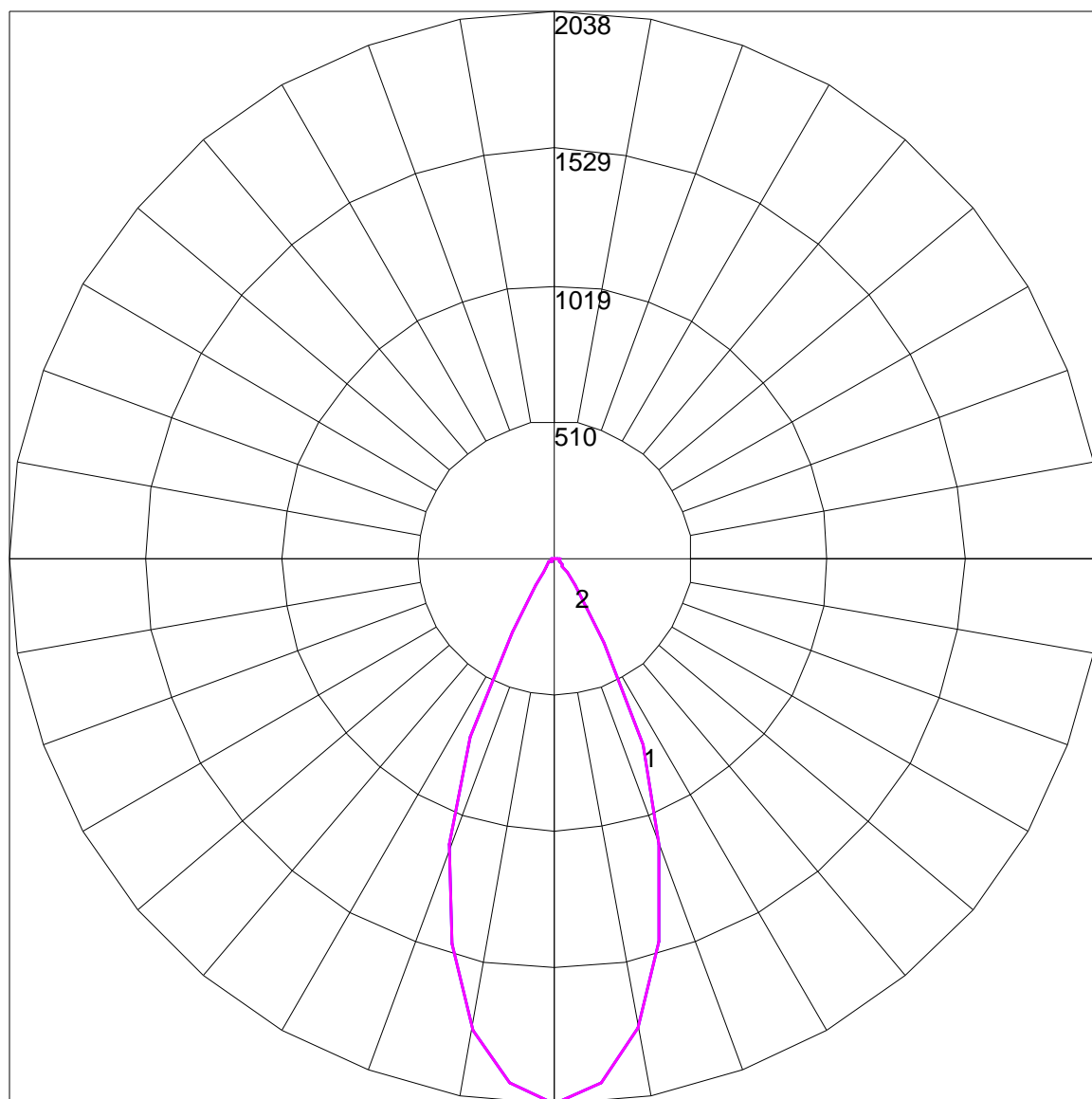
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	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	80	76	83	79	75	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 2038.48 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)