

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00618_9 ~ C0611SQXT-10LXXK-WDEX-TCY-GLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00618_9_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C0611SQXT-10L-xxK-WD-EX-TCY-GL-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] Clear Glass Lens, Flush with Lower Trim
 [OTHER] 43.3 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	845
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	9.1
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_9 ~ C0611SQXT-10LXXK-WDEX-TCY-GLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5174	5641	4881
55	3267	3395	2884
65	2762	2756	2608
75	2979	2838	3104
85	2727	2380	2896

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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	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972
5	1346.308	1345.141	1354.197	1357.605	1363.793	1357.073	1355.617	1356.881	1355.197	1352.534
10	1212.186	1210.727	1220.290	1227.734	1236.933	1232.885	1231.779	1231.908	1230.413	1226.816
15	1008.361	1009.796	1024.410	1029.399	1033.993	1035.485	1036.277	1032.975	1029.373	1028.014
20	777.830	784.326	803.596	797.754	790.454	799.364	805.682	795.043	786.371	791.778
25	544.772	590.598	610.153	576.516	546.742	560.791	606.525	576.642	522.953	555.923
30	275.321	362.163	456.404	320.509	246.695	303.372	439.252	326.492	230.529	275.034
35	98.732	144.529	263.708	108.871	91.062	108.217	236.506	121.676	86.086	101.268
40	51.943	56.275	90.226	56.564	52.833	52.011	80.180	49.977	47.117	50.074
45	34.120	35.352	37.204	36.778	32.188	33.554	32.702	31.912	29.838	32.357
50	24.066	24.388	25.352	24.964	21.937	22.960	22.858	22.361	19.594	22.664
55	17.477	17.874	18.164	17.101	15.430	16.556	17.372	16.297	14.435	16.959
60	13.029	13.691	13.894	12.824	11.895	13.537	13.490	13.762	12.169	13.575
65	10.887	12.055	10.863	10.745	10.280	12.436	11.856	12.253	11.583	12.245
70	10.213	10.235	8.881	9.235	9.729	11.327	11.660	11.467	10.454	12.169
75	7.190	7.312	6.850	8.408	7.494	10.516	9.982	10.136	9.781	10.525
80	3.990	3.722	3.951	4.875	4.159	9.108	8.056	8.279	8.314	7.387
85	2.217	1.636	1.935	2.378	2.354	7.042	5.895	6.437	5.818	6.385
90	0.786	0.653	0.838	0.833	1.024	4.861	4.487	4.671	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	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972	1399.972
5	1356.525	1364.150	1368.404	1360.332	1356.375	1350.188	1346.308
10	1231.527	1242.204	1249.474	1238.257	1233.072	1220.723	1212.186
15	1034.306	1038.352	1037.588	1032.500	1035.876	1019.952	1008.361
20	799.753	792.112	787.833	791.726	800.996	789.284	777.830
25	600.460	593.257	557.502	591.373	606.064	587.784	544.772
30	448.917	368.841	250.396	339.275	452.096	334.936	275.321
35	227.294	111.441	84.979	119.003	269.468	127.021	98.732
40	61.694	54.020	51.592	54.298	96.266	54.962	51.943
45	33.420	35.504	33.394	35.055	39.062	36.823	34.120

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50	23.909	24.600	23.283	24.661	26.866	25.732	24.066
55	18.556	18.020	16.793	17.805	20.695	18.832	17.477
60	15.033	14.880	13.425	13.300	15.543	13.750	13.029
65	12.748	14.006	12.712	11.081	13.240	12.002	10.887
70	11.981	12.500	12.101	10.830	10.612	10.949	10.213
75	9.098	9.854	9.473	6.630	7.157	8.090	7.190
80	7.121	7.401	7.275	3.191	3.990	4.359	3.990
85	5.188	4.601	5.253	1.259	1.660	1.794	2.217
90	0.000	0.000	0.000	0.000	0.000	0.000	0.786
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	409.67	N.A.	48.50
0-30	669.30	N.A.	79.20
0-40	774.44	N.A.	91.60
0-60	819.76	N.A.	97.00
0-80	840.78	N.A.	99.50
0-90	844.81	N.A.	100.00
10-90	719.35	N.A.	85.10
20-40	364.78	N.A.	43.20
20-50	393.98	N.A.	46.60
40-70	57.31	N.A.	6.80
60-80	21.01	N.A.	2.50
70-80	9.02	N.A.	1.10
80-90	4.04	N.A.	0.50
90-110	0.31	N.A.	0.00
90-120	0.31	N.A.	0.00
90-130	0.31	N.A.	0.00
90-150	0.31	N.A.	0.00
90-180	0.31	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	845.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.46
10-20	284.20
20-30	259.64
30-40	105.14
40-50	29.20
50-60	16.12
60-70	11.99
70-80	9.02
80-90	4.04
90-100	0.31
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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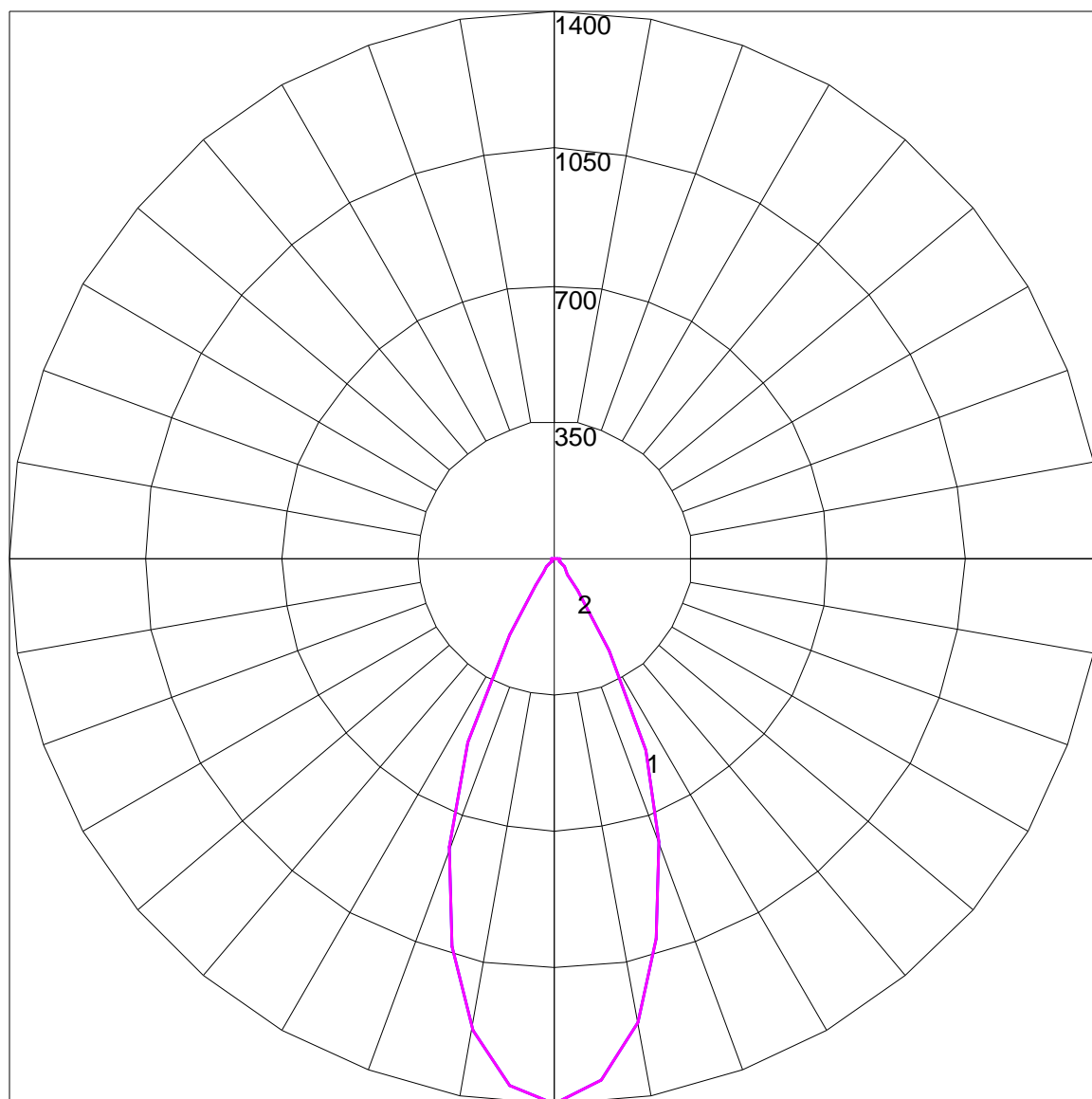
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	64	81	72	67	63	71	67	63	70	66	63	69	66	63	61
9	79	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

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POLAR GRAPH



Maximum Candela = 1399.972 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)