

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_1 ~ C0611SQXT-10LXXK-MDEX-TCY-GLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00618_1_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/26/2018

[LUMCAT] C0611SQXT-10L-xxK-MD-EX-TCY-GL-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] Clear Glass Lens, Flush with Lower Trim

[OTHER] 38 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	839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	9.1
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3701	3929	3610
55	2611	2782	2452
65	2508	2723	2245
75	2735	2776	2696
85	1796	2645	2988

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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	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601
5	1592.491	1589.875	1591.035	1613.050	1605.143	1598.669	1612.070	1596.754	1596.485	1589.748
10	1369.200	1368.484	1372.437	1386.119	1387.825	1383.469	1391.329	1379.445	1377.438	1369.202
15	1071.256	1075.068	1082.653	1083.438	1088.359	1092.928	1092.977	1087.143	1081.991	1076.730
20	781.686	791.061	804.713	790.432	784.486	796.631	806.613	797.136	779.068	783.776
25	510.033	555.184	578.299	526.697	485.056	528.090	574.767	547.382	479.119	518.602
30	216.666	325.081	397.782	248.419	203.019	264.526	404.785	292.010	201.994	235.563
35	71.963	110.197	213.895	64.890	59.311	87.587	215.436	100.531	59.365	78.778
40	35.746	38.320	67.523	36.713	34.934	37.531	53.091	37.484	34.056	37.382
45	24.408	25.299	25.914	24.969	23.807	25.264	25.702	24.459	22.881	25.742
50	18.058	18.385	18.952	19.359	16.651	19.109	19.546	17.395	16.918	19.088
55	13.969	14.611	14.882	14.159	13.119	14.831	15.671	14.506	13.023	14.564
60	10.974	11.963	12.228	11.702	10.649	12.303	13.255	12.875	10.930	11.989
65	9.885	10.341	10.735	9.971	8.848	11.688	11.404	11.944	10.499	10.727
70	8.592	8.655	9.347	9.435	7.801	11.197	10.924	10.854	10.894	11.649
75	6.602	6.442	6.702	7.595	6.508	10.860	9.797	9.556	8.355	9.362
80	3.766	4.025	4.181	4.730	4.803	9.195	8.658	8.194	7.257	7.631
85	1.460	1.822	2.150	2.491	2.429	6.498	6.027	5.994	6.086	5.282
90	0.472	0.560	0.474	0.875	0.844	5.269	5.130	4.868	0.968	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. 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	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601	1679.601
5	1588.191	1611.983	1606.404	1602.017	1614.148	1594.593	1592.491
10	1369.146	1387.981	1387.338	1386.544	1392.165	1376.715	1369.200
15	1080.588	1081.580	1083.582	1089.697	1092.026	1084.813	1071.256
20	803.164	791.689	784.644	799.413	801.897	798.562	781.686
25	576.706	554.620	504.605	555.459	572.498	549.657	510.033
30	402.614	323.370	201.288	300.926	412.908	290.017	216.666
35	207.720	84.358	69.459	106.781	236.839	98.578	71.963
40	68.798	38.384	36.582	41.548	65.358	40.643	35.746
45	28.015	26.294	25.839	27.802	28.661	27.609	24.408

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50	20.399	20.292	18.545	20.522	20.700	20.865	18.058
55	15.924	15.377	14.661	15.721	17.264	16.264	13.969
60	13.336	12.936	11.659	12.914	14.088	12.622	10.974
65	13.116	11.129	10.247	11.151	11.128	11.161	9.885
70	10.348	11.456	9.566	9.545	8.103	9.199	8.592
75	9.265	9.016	8.008	6.229	5.745	7.084	6.602
80	7.183	7.058	6.586	3.149	4.116	3.928	3.766
85	5.337	5.425	4.282	1.159	1.405	1.361	1.460
90	0.000	0.000	0.000	0.000	0.000	0.000	0.472
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	446.74	N.A.	53.30
0-30	691.94	N.A.	82.50
0-40	779.36	N.A.	92.90
0-60	815.01	N.A.	97.20
0-80	834.24	N.A.	99.50
0-90	838.20	N.A.	100.00
10-90	692.37	N.A.	82.60
20-40	332.61	N.A.	39.70
20-50	354.60	N.A.	42.30
40-70	46.53	N.A.	5.50
60-80	19.23	N.A.	2.30
70-80	8.36	N.A.	1.00
80-90	3.96	N.A.	0.50
90-110	0.33	N.A.	0.00
90-120	0.33	N.A.	0.00
90-130	0.33	N.A.	0.00
90-150	0.33	N.A.	0.00
90-180	0.33	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	838.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.83
10-20	300.92
20-30	245.19
30-40	87.42
40-50	21.98
50-60	13.67
60-70	10.87
70-80	8.36
80-90	3.96
90-100	0.33
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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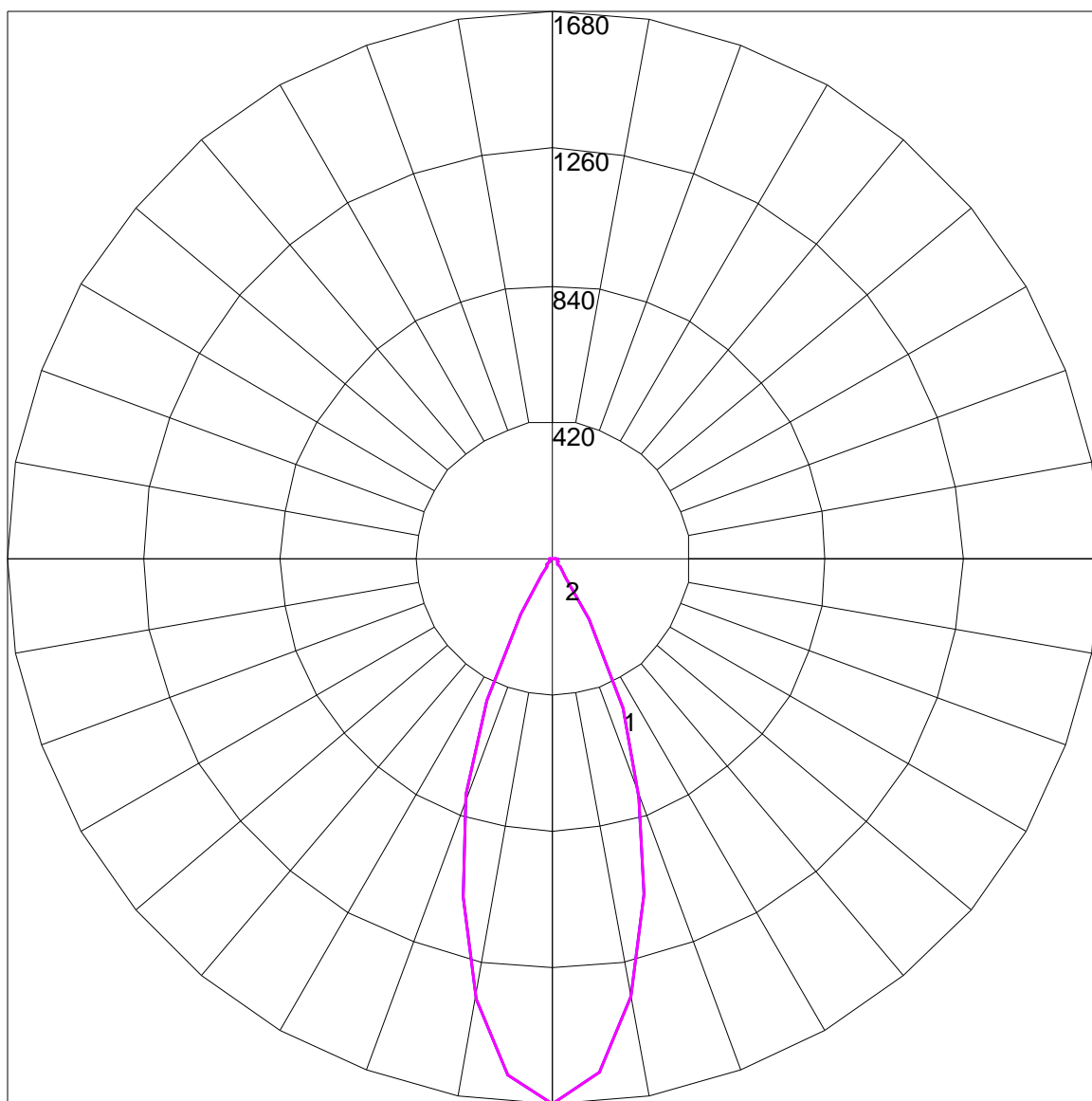
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	105	105	103	101	101	100	98	97	96	95	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	89	85	82	87	83	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 1679.601 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)