

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00618_17 ~ C0611SQXT-10LXXK-XWEX-TCY-GLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00618_17_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C0611SQXT-10L-xxK-XW-EX-TCY-GL-xx-MW
 [LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight
 [OTHER] Upper, Internal Reflector, Xtra Wide Beam
 [OTHER] Lower Trim, Same Color as Cylinder - Matte White
 [OTHER] Clear Glass Lens, Flush with Lower Trim
 [OTHER] 52.7 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	874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.90
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	8196	8615	8189
55	3779	4293	3603
65	3126	3232	3081
75	3078	3597	3898
85	2190	3239	4148

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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	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363
5	1044.991	1040.058	1046.666	1052.137	1048.968	1048.308	1048.505	1047.928	1048.970	1050.508
10	999.257	986.699	999.251	1008.482	1004.233	1004.738	1001.737	1001.542	1000.875	1008.520
15	913.054	897.890	922.429	939.212	925.333	929.924	924.476	922.998	919.698	936.137
20	786.227	779.140	813.214	823.334	807.070	814.367	813.186	799.602	799.973	820.268
25	622.007	638.755	690.519	680.863	605.330	664.736	689.977	672.650	606.228	684.762
30	308.575	385.766	530.701	399.715	312.290	382.501	536.917	412.298	327.420	390.075
35	140.116	164.979	292.498	165.836	153.057	168.777	305.364	162.184	152.691	158.777
40	86.493	83.409	113.772	95.680	90.471	94.053	123.633	92.331	91.340	95.023
45	54.055	52.210	56.817	58.746	54.009	57.315	59.870	57.394	55.299	60.204
50	32.521	31.207	35.187	35.961	30.961	35.741	37.509	35.532	32.559	36.449
55	20.217	20.529	22.964	22.237	19.274	22.483	23.963	22.207	19.135	22.535
60	14.150	14.734	16.253	15.196	13.517	16.516	16.642	16.182	13.750	15.932
65	12.322	13.378	12.738	13.005	12.146	14.970	15.495	14.737	13.346	13.468
70	10.693	11.287	11.067	11.750	11.331	14.034	13.720	13.684	13.776	12.951
75	7.429	8.719	8.682	9.810	9.410	13.636	11.925	12.049	10.611	11.221
80	4.208	4.681	5.562	6.726	6.751	11.398	9.813	9.006	8.616	7.982
85	1.780	2.054	2.633	3.378	3.372	8.821	7.682	7.108	6.034	5.952
90	0.000	0.000	0.942	1.209	1.366	6.377	5.401	4.963	4.295	4.134
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	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363	1065.363
5	1046.804	1046.428	1052.095	1050.131	1052.878	1049.572	1044.991
10	1000.806	992.767	1001.708	1000.757	1012.700	1005.598	999.257
15	918.972	899.141	908.663	908.410	930.365	923.628	913.054
20	799.733	780.450	786.623	788.266	803.497	802.005	786.227
25	676.072	633.047	613.936	655.494	679.532	646.552	622.007
30	531.133	378.107	296.214	389.031	537.337	381.741	308.575
35	278.014	163.678	142.937	162.512	321.056	170.826	140.116
40	94.766	86.146	88.004	89.782	120.074	93.516	86.493
45	55.333	53.887	54.562	56.414	60.414	59.567	54.055

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50	35.746	33.457	32.669	34.729	39.473	36.180	32.521
55	24.416	21.067	20.791	21.021	25.889	22.709	20.217
60	17.662	16.713	14.986	14.577	17.508	15.591	14.150
65	14.232	15.024	13.339	12.847	13.320	14.118	12.322
70	12.284	13.012	11.697	10.005	10.426	11.981	10.693
75	9.371	10.281	9.251	6.314	6.857	7.777	7.429
80	7.071	7.161	6.705	2.983	4.005	4.143	4.208
85	5.077	4.551	5.140	1.046	1.234	1.409	1.780
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	354.46	N.A.	40.50
0-30	641.19	N.A.	73.30
0-40	777.98	N.A.	89.00
0-60	845.75	N.A.	96.70
0-80	869.41	N.A.	99.40
0-90	874.01	N.A.	99.90
10-90	775.39	N.A.	88.70
20-40	423.52	N.A.	48.40
20-50	470.27	N.A.	53.80
40-70	81.41	N.A.	9.30
60-80	23.66	N.A.	2.70
70-80	10.02	N.A.	1.10
80-90	4.60	N.A.	0.50
90-110	0.49	N.A.	0.10
90-120	0.49	N.A.	0.10
90-130	0.49	N.A.	0.10
90-150	0.49	N.A.	0.10
90-180	0.49	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	874.50	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.62
10-20	255.85
20-30	286.73
30-40	136.79
40-50	46.75
50-60	21.02
60-70	13.64
70-80	10.02
80-90	4.60
90-100	0.49
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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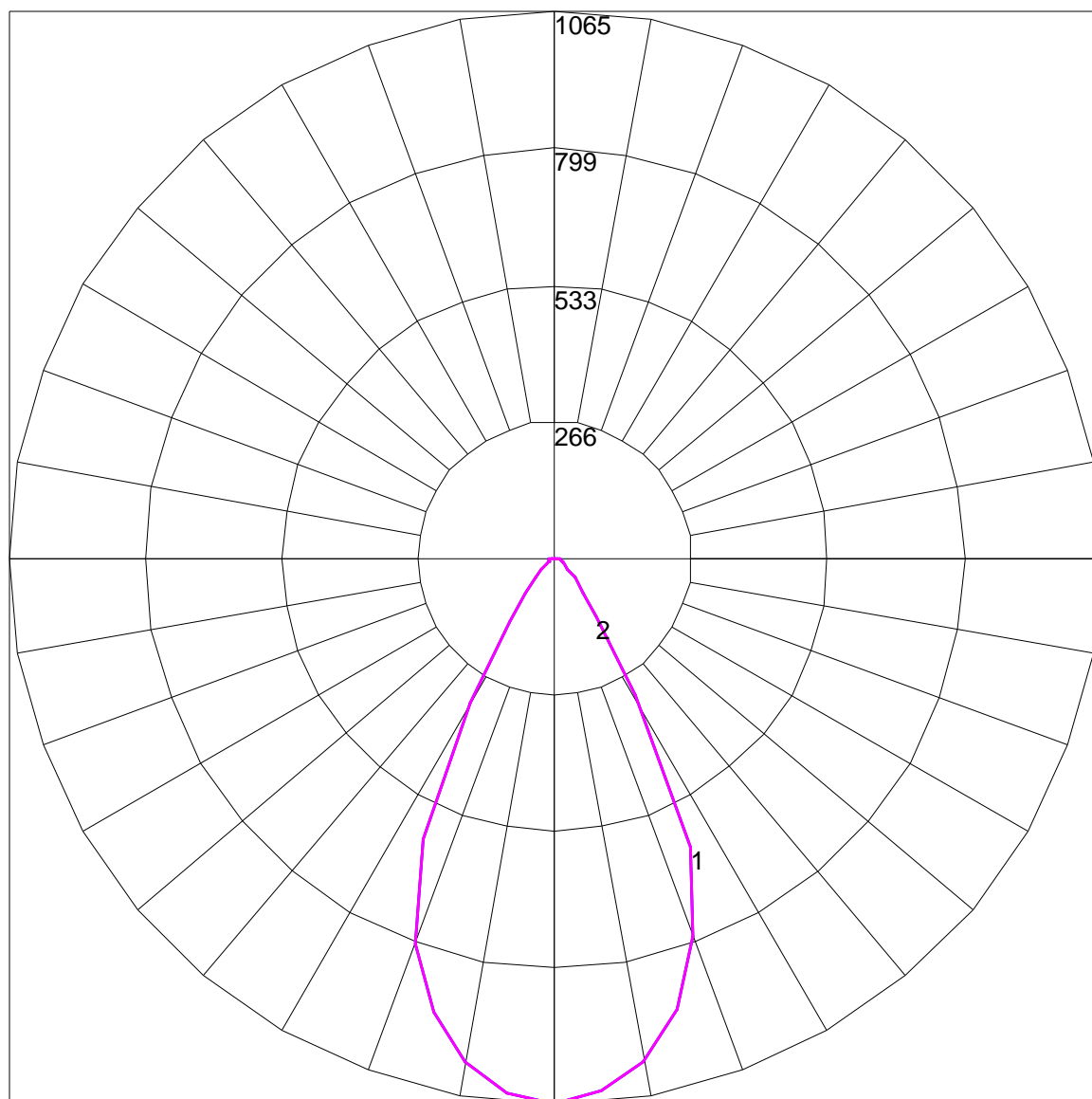
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54
10	72	63	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 1065.363 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)