

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00618_3 ~ C0611SQXT-30LXXK-MDEX-TCY-SOMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00618_3
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C0611SQXT-30L-xxK-MD-EX-TCY-SO-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] Solite Lens, Flush with Lower Trim
 [OTHER] 38.6 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2653
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.64
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_3 ~ C0611SQXT-30LXXK-MDEX-TCY-SOMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12787	13909	11986
55	9336	9539	8342
65	9001	9092	7762
75	8768	9918	10274
85	6519	9806	10505

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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	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803
5	4895.020	4876.929	4930.014	4928.238	4943.444	4939.500	4913.471	4923.221	4904.146	4889.320
10	4225.442	4202.352	4245.283	4270.687	4282.825	4281.632	4264.792	4268.076	4240.745	4232.784
15	3340.032	3326.251	3356.793	3389.110	3394.832	3401.538	3402.933	3386.607	3358.549	3359.322
20	2460.197	2479.945	2512.444	2498.085	2477.352	2508.543	2549.363	2509.945	2448.001	2474.694
25	1595.500	1740.138	1811.040	1638.924	1538.153	1651.293	1831.420	1727.065	1520.026	1622.267
30	749.163	976.714	1226.461	839.651	624.175	834.936	1222.312	962.919	636.506	793.944
35	248.963	371.392	646.730	294.624	213.335	288.280	640.854	357.162	227.564	283.319
40	125.643	141.215	213.719	132.860	121.902	130.754	241.306	138.479	120.686	131.764
45	84.332	86.867	91.728	86.520	79.048	87.224	98.573	88.215	82.104	88.906
50	63.158	64.513	64.959	63.834	57.197	63.971	63.778	64.888	57.509	67.049
55	49.944	50.938	51.030	48.868	44.625	51.241	50.594	50.558	45.563	52.241
60	40.606	40.315	42.522	39.802	35.159	43.995	42.444	40.229	39.384	42.843
65	35.479	35.172	35.839	35.004	30.597	38.948	38.729	37.459	32.089	39.635
70	29.572	32.337	31.237	30.112	29.612	37.060	36.804	36.575	34.389	36.637
75	21.166	23.388	23.942	24.369	24.801	36.364	33.290	33.715	31.636	32.002
80	12.589	13.481	14.682	15.527	16.736	28.006	27.399	24.477	25.223	23.481
85	5.299	5.599	7.971	8.769	8.539	23.858	22.303	19.607	18.451	17.020
90	2.120	1.763	2.858	2.437	3.090	17.934	14.794	14.867	0.178	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	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803	5163.803
5	4924.449	4922.627	4950.910	4942.238	4918.934	4908.068	4895.020
10	4252.573	4256.923	4285.322	4283.811	4271.066	4245.012	4225.442
15	3358.728	3358.111	3390.819	3382.015	3402.840	3366.315	3340.032
20	2500.762	2499.835	2486.739	2506.986	2549.654	2504.750	2460.197
25	1803.705	1771.932	1619.433	1768.386	1845.972	1728.320	1595.500
30	1243.647	1029.642	748.789	981.373	1269.678	898.576	749.163
35	650.403	364.784	248.413	335.082	726.924	318.226	248.963
40	213.432	147.474	132.168	147.348	296.216	142.937	125.643
45	101.534	94.170	88.461	94.596	116.449	93.927	84.332

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50	72.505	71.080	65.737	71.343	75.212	70.296	63.158
55	56.653	56.877	51.149	55.479	62.170	57.628	49.944
60	47.560	47.326	41.273	43.883	51.055	44.703	40.606
65	39.965	42.439	38.007	38.902	40.287	37.579	35.479
70	36.773	38.473	34.523	30.949	31.710	31.187	29.572
75	30.258	30.302	28.514	23.329	22.038	23.760	21.166
80	23.165	22.107	21.109	10.954	12.411	12.762	12.589
85	16.238	17.825	14.804	4.857	5.879	5.053	5.299
90	0.000	0.000	0.000	0.000	0.000	0.000	2.120
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	1385.31	N.A.	52.20
0-30	2159.88	N.A.	81.40
0-40	2447.2	N.A.	92.20
0-60	2573.43	N.A.	97.00
0-80	2639.33	N.A.	99.50
0-90	2652.42	N.A.	100.00
10-90	2203.61	N.A.	83.00
20-40	1061.88	N.A.	40.00
20-50	1140.46	N.A.	43.00
40-70	163.62	N.A.	6.20
60-80	65.90	N.A.	2.50
70-80	28.52	N.A.	1.10
80-90	13.08	N.A.	0.50
90-110	1.03	N.A.	0.00
90-120	1.03	N.A.	0.00
90-130	1.03	N.A.	0.00
90-150	1.03	N.A.	0.00
90-180	1.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2653.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	448.80
10-20	936.51
20-30	774.57
30-40	287.32
40-50	78.58
50-60	47.66
60-70	37.38
70-80	28.52
80-90	13.08
90-100	1.03
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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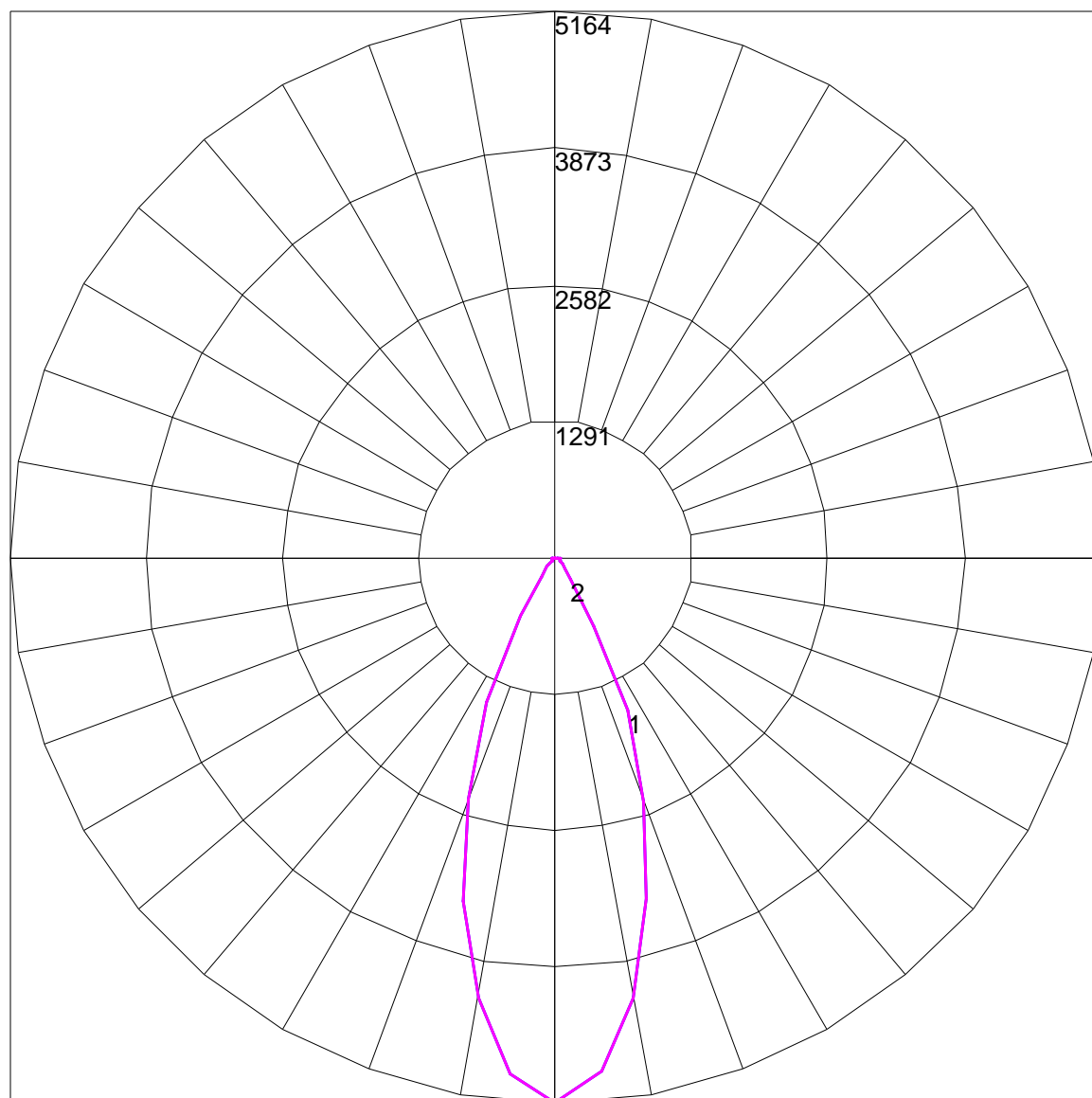
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	105	103	101	101	99	98	97	96	95	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	99	92	86	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 5163.803 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)