

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_5 ~ C0611SQXT-30LXXK-NDEX-TCY-GLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00618_5
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C0611SQXT-30L-xxK-ND-EX-TCY-GL-xx-MW
[LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight
[OTHER] Upper, Internal Reflector, Narrow Beam
[OTHER] Lower Trim, Same Color as Cylinder - Matte White
[OTHER] Clear Glass Lens, Flush with Lower Trim
[OTHER] 21 Degree Beam Angle
[LAMPCAT] N/A
[LAMP] N/A, 83 CRI
[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	3055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.40
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_5 ~ C0611SQXT-30LXXK-NDEX-TCY-GLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7337	8264	7334
55	8466	8150	8550
65	7560	8839	8642
75	7829	7740	9450
85	4905	5980	8458

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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	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500
5	11117.470	11063.210	11054.590	11117.500	11267.310	11211.540	11323.220	11146.690	11160.800	11043.570
10	6925.625	6878.077	6879.721	6850.059	6979.277	6984.234	6904.823	6943.076	6903.370	6899.921
15	3717.074	3706.825	3740.976	3744.085	3736.067	3765.146	3690.830	3745.966	3699.525	3737.918
20	2140.223	2144.348	2193.626	2176.500	2132.682	2163.448	2170.277	2158.566	2112.390	2156.680
25	1271.288	1403.481	1492.355	1365.397	1229.256	1337.446	1483.324	1383.611	1212.232	1338.649
30	497.080	780.295	1069.969	578.944	453.200	637.989	1079.827	706.599	436.314	592.125
35	99.173	195.534	575.327	143.755	71.760	137.676	591.379	182.342	66.738	142.976
40	54.717	60.197	133.925	57.663	52.232	56.048	118.826	56.612	48.289	57.996
45	48.389	50.246	54.500	48.802	48.366	48.055	54.626	48.808	44.455	50.324
50	47.871	47.020	44.629	43.324	47.312	47.098	49.235	45.405	44.811	45.808
55	45.290	43.342	43.602	41.779	45.741	46.328	45.305	43.928	43.078	42.542
60	36.140	37.202	40.159	39.887	40.255	44.199	42.182	41.465	37.120	41.100
65	29.798	34.150	34.842	38.174	34.063	41.148	40.271	39.173	34.913	38.553
70	27.509	28.362	29.685	29.281	27.632	40.087	36.095	38.484	35.042	39.845
75	18.900	21.000	18.684	23.536	22.813	34.461	31.769	30.872	30.994	31.369
80	10.309	10.532	12.795	12.434	13.949	27.303	23.128	24.634	23.212	23.761
85	3.987	3.607	4.861	5.771	6.875	17.697	18.035	17.341	16.351	19.096
90	0.563	0.000	2.381	1.582	1.694	14.495	12.833	13.031	9.834	14.005
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	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500	13279.500
5	11009.330	11310.630	11165.790	11169.020	11213.410	11181.220	11117.470
10	6906.582	6852.303	7003.459	6996.832	6910.738	6942.757	6925.625
15	3770.555	3629.909	3780.661	3769.249	3735.530	3711.784	3717.074
20	2192.732	2103.729	2134.820	2152.058	2176.886	2147.175	2140.223
25	1496.243	1408.216	1227.989	1393.688	1494.792	1385.500	1271.288
30	1098.247	793.704	446.769	716.013	1131.400	715.471	497.080
35	588.564	156.049	93.442	194.332	659.481	181.592	99.173
40	177.492	62.465	55.543	64.321	213.893	66.707	54.717
45	58.396	50.684	47.977	54.599	64.803	58.535	48.389

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50	50.499	49.385	46.094	47.468	50.415	51.562	47.871
55	50.642	44.252	45.843	42.392	48.353	43.514	45.290
60	47.383	45.791	40.520	39.988	42.214	37.749	36.140
65	43.498	42.443	38.085	38.146	33.075	32.950	29.798
70	33.457	37.399	30.431	28.957	28.296	30.991	27.509
75	28.001	30.626	26.752	16.210	19.615	21.610	18.900
80	21.806	22.755	22.025	8.247	8.095	8.507	10.309
85	18.012	16.824	16.260	4.540	3.191	4.073	3.987
90	0.000	0.000	0.000	0.000	0.000	0.000	0.563
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	2055.83	N.A.	67.30
0-30	2691.61	N.A.	88.10
0-40	2893.64	N.A.	94.70
0-60	2978.62	N.A.	97.50
0-80	3041.76	N.A.	99.60
0-90	3053.63	N.A.	100.00
10-90	2114.61	N.A.	69.20
20-40	837.82	N.A.	27.40
20-50	882.99	N.A.	28.90
40-70	121.56	N.A.	4.00
60-80	63.14	N.A.	2.10
70-80	26.56	N.A.	0.90
80-90	11.87	N.A.	0.40
90-110	1.21	N.A.	0.00
90-120	1.21	N.A.	0.00
90-130	1.21	N.A.	0.00
90-150	1.21	N.A.	0.00
90-180	1.21	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3054.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	939.02
10-20	1116.8
20-30	635.78
30-40	202.03
40-50	45.17
50-60	39.81
60-70	36.58
70-80	26.56
80-90	11.87
90-100	1.21
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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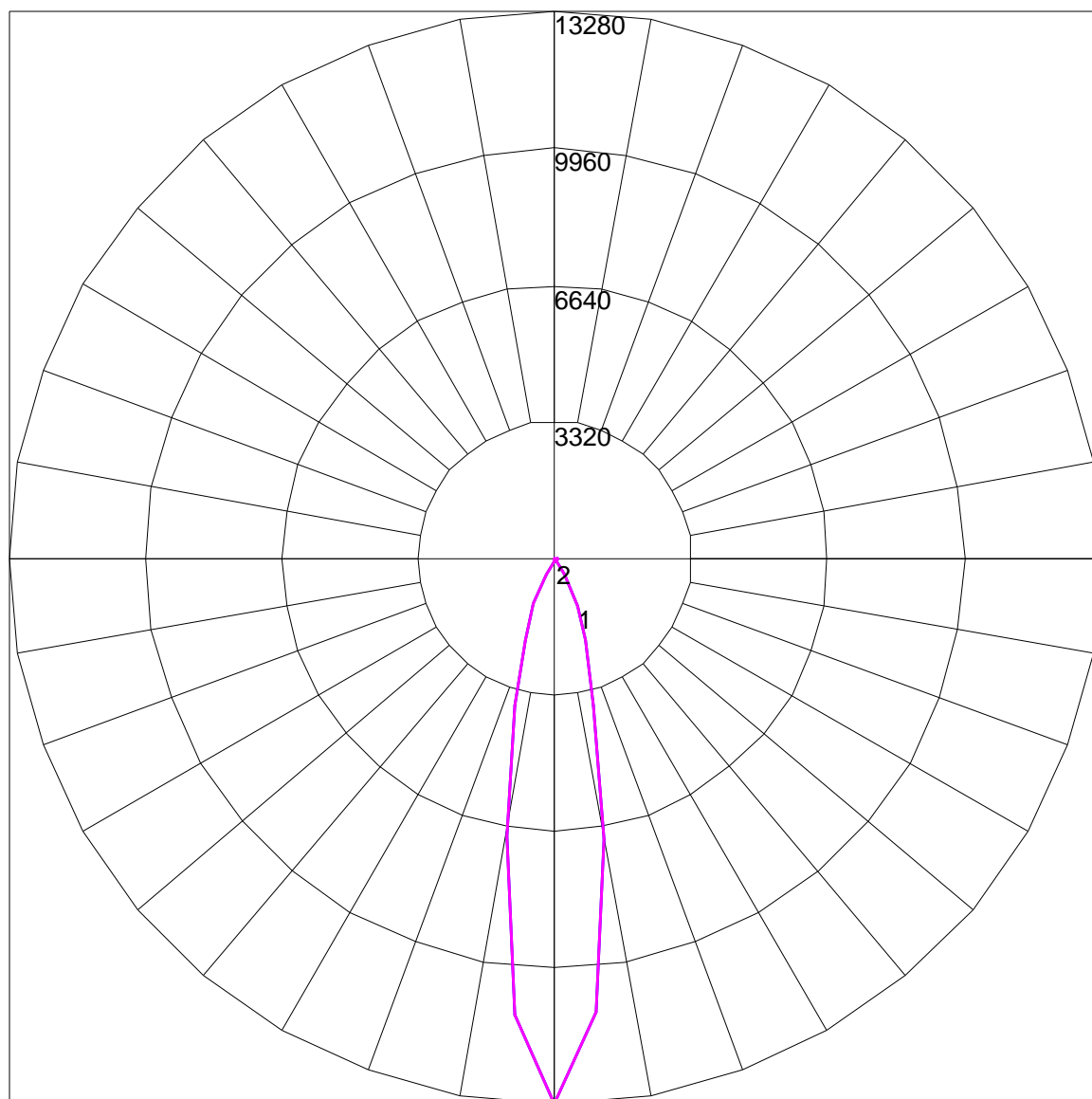
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	96	91	88	100	94	90	87	92	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	73	71
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69
10	84	76	72	69	83	76	71	68	75	71	68	74	71	68	74	70	68	67

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POLAR GRAPH



Maximum Candela = 13279.5 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)