

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_17 ~ C0611SQXT-30LXXK-XWEX-TCY-GLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00618_17
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C0611SQXT-30L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2719
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	32.6
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	25486	26788	25464
55	11751	13348	11203
65	9720	10049	9581
75	9569	11183	12121
85	6808	10073	12897

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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	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696
5	3249.350	3234.012	3254.560	3271.570	3261.718	3259.664	3260.277	3258.482	3261.723	3266.505
10	3107.142	3068.095	3107.125	3135.827	3122.615	3124.186	3114.855	3114.247	3112.175	3135.944
15	2839.098	2791.948	2868.250	2920.436	2877.279	2891.554	2874.615	2870.020	2859.756	2910.874
20	2444.736	2422.698	2528.650	2560.118	2509.545	2532.237	2528.564	2486.325	2487.478	2550.585
25	1934.102	1986.178	2147.137	2117.112	1882.244	2066.966	2145.451	2091.574	1885.036	2129.234
30	959.500	1199.522	1650.190	1242.896	971.051	1189.370	1669.518	1282.022	1018.098	1212.921
35	435.685	512.993	909.508	515.658	475.923	524.804	949.516	504.302	474.787	493.711
40	268.946	259.357	353.768	297.511	281.316	292.454	384.432	287.098	284.017	295.468
45	168.082	162.343	176.671	182.668	167.937	178.219	186.164	178.464	171.949	187.202
50	101.122	97.038	109.412	111.819	96.273	111.134	116.631	110.484	101.242	113.335
55	62.863	63.833	71.406	69.145	59.932	69.910	74.511	69.053	59.500	70.073
60	44.000	45.814	50.539	47.252	42.030	51.355	51.749	50.318	42.754	49.539
65	38.315	41.598	39.609	40.437	37.766	46.550	48.182	45.824	41.499	41.878
70	33.250	35.095	34.413	36.535	35.232	43.639	42.661	42.551	42.835	40.270
75	23.100	27.110	26.995	30.505	29.260	42.399	37.079	37.466	32.995	34.892
80	13.085	14.555	17.295	20.913	20.991	35.443	30.514	28.003	26.791	24.819
85	5.534	6.387	8.188	10.504	10.484	27.427	23.887	22.101	18.763	18.507
90	0.000	0.000	2.928	3.758	4.248	19.829	16.795	15.433	13.356	12.853
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	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696	3312.696
5	3254.988	3253.818	3271.441	3265.333	3273.873	3263.596	3249.350
10	3111.958	3086.961	3114.763	3111.808	3148.942	3126.861	3107.142
15	2857.500	2795.836	2825.446	2824.658	2892.927	2871.979	2839.098
20	2486.733	2426.774	2445.968	2451.076	2498.435	2493.796	2444.736
25	2102.213	1968.431	1909.004	2038.228	2112.972	2010.422	1934.102
30	1651.532	1175.706	921.064	1209.675	1670.823	1187.005	959.500
35	864.471	508.949	444.457	505.323	998.310	531.174	435.685
40	294.671	267.868	273.643	279.174	373.365	290.784	268.946
45	172.055	167.558	169.658	175.417	187.855	185.222	168.082

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50	111.151	104.034	101.584	107.987	122.740	112.499	101.122
55	75.920	65.508	64.648	65.363	80.501	70.614	62.863
60	54.919	51.969	46.598	45.325	54.439	48.480	44.000
65	44.254	46.715	41.478	39.946	41.418	43.899	38.315
70	38.195	40.459	36.370	31.110	32.418	37.253	33.250
75	29.140	31.968	28.764	19.632	21.323	24.182	23.100
80	21.988	22.266	20.850	9.277	12.453	12.881	13.085
85	15.786	14.151	15.984	3.253	3.836	4.382	5.534
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	1102.18	N.A.	40.50
0-30	1993.76	N.A.	73.30
0-40	2419.09	N.A.	89.00
0-60	2629.82	N.A.	96.70
0-80	2703.39	N.A.	99.40
0-90	2717.68	N.A.	99.90
10-90	2411.05	N.A.	88.70
20-40	1316.91	N.A.	48.40
20-50	1462.29	N.A.	53.80
40-70	253.14	N.A.	9.30
60-80	73.57	N.A.	2.70
70-80	31.16	N.A.	1.10
80-90	14.30	N.A.	0.50
90-110	1.53	N.A.	0.10
90-120	1.53	N.A.	0.10
90-130	1.53	N.A.	0.10
90-150	1.53	N.A.	0.10
90-180	1.53	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2719.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	306.64
10-20	795.54
20-30	891.58
30-40	425.33
40-50	145.38
50-60	65.35
60-70	42.41
70-80	31.16
80-90	14.30
90-100	1.53
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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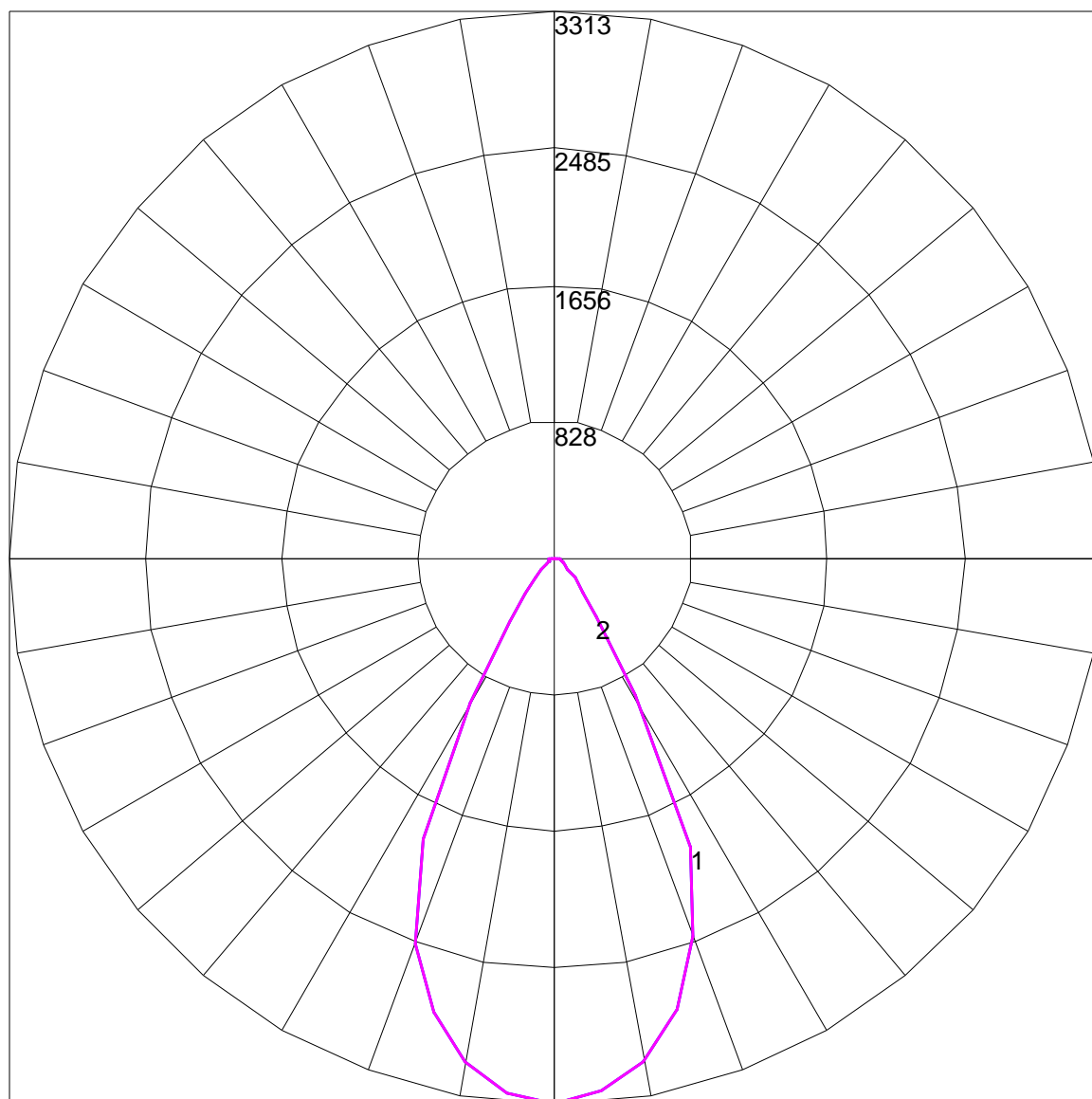
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	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	77	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	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 3312.696 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)