

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_11 ~ C0611SQXT-30LXXK-WDEX-TCY-SOMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00618_11
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C0611SQXT-30L-xxK-WD-EX-TCY-SO-xx-MW
[LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight
[OTHER] Upper, Internal Reflector, Wide Beam
[OTHER] Lower Trim, Same Color as Cylinder - Matte White
[OTHER] Solite Lens, Flush with Lower Trim
[OTHER] 43.7 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	2597
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.76
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	16605	17638	15828
55	9334	10389	9025
65	8770	8963	8464
75	9687	8425	10481
85	7204	5942	8123

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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	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347
5	4094.714	4087.799	4090.288	4114.813	4097.183	4094.350	4095.845	4100.231	4090.121	4083.219
10	3698.376	3686.899	3701.925	3722.234	3709.406	3718.563	3715.093	3717.010	3699.732	3692.242
15	3090.671	3078.881	3107.844	3122.652	3110.970	3134.194	3133.771	3127.981	3102.370	3101.541
20	2398.431	2399.409	2438.413	2419.670	2404.404	2447.567	2470.657	2448.029	2395.174	2420.691
25	1655.986	1759.651	1846.467	1736.781	1627.314	1745.140	1873.579	1793.302	1622.131	1728.986
30	813.736	1062.684	1320.468	943.828	802.215	971.702	1327.798	1045.271	796.440	917.221
35	330.051	422.841	743.270	341.168	300.819	396.787	742.489	430.608	295.920	365.643
40	172.519	172.263	286.695	165.803	160.259	179.518	288.352	181.056	163.509	173.806
45	109.510	110.687	116.326	109.737	104.386	113.663	122.246	112.629	102.728	113.862
50	75.920	76.695	75.524	77.112	71.427	77.428	80.523	78.882	70.486	78.407
55	49.935	54.954	55.579	54.200	48.281	55.069	60.188	55.664	50.897	56.809
60	35.456	41.485	43.494	41.079	36.448	45.065	48.254	44.325	40.544	45.757
65	34.567	34.944	35.328	36.285	33.363	41.683	41.450	40.737	38.147	42.789
70	30.292	30.987	27.990	32.266	29.037	39.002	37.744	39.750	35.313	38.757
75	23.384	22.720	20.338	24.458	25.301	36.066	30.017	34.076	28.736	33.658
80	12.633	13.569	12.590	15.154	17.472	26.428	25.761	25.736	24.252	24.287
85	5.856	4.925	4.830	6.886	6.603	19.937	21.508	19.975	17.767	16.110
90	2.035	2.211	2.374	2.536	2.776	15.461	16.264	13.762	0.000	2.089
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	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347	4228.347
5	4069.139	4101.830	4100.236	4092.920	4101.237	4093.886	4094.714
10	3669.759	3693.097	3699.629	3696.570	3717.158	3704.501	3698.376
15	3077.446	3072.003	3086.388	3087.296	3124.395	3106.255	3090.671
20	2422.673	2392.294	2401.089	2419.936	2459.756	2433.649	2398.431
25	1845.580	1792.577	1657.856	1776.803	1877.635	1767.516	1655.986
30	1307.773	1078.802	824.474	1056.302	1363.687	1020.823	813.736
35	718.677	407.622	344.052	454.653	815.513	415.303	330.051
40	286.315	182.713	178.437	201.535	354.187	192.288	172.519
45	124.431	114.820	110.666	124.222	147.245	123.666	109.510

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50	83.433	79.365	72.201	83.006	89.692	83.326	75.920
55	63.359	61.742	51.108	57.241	63.960	58.715	49.935
60	50.429	42.438	39.691	43.265	48.812	45.062	35.456
65	44.551	41.887	34.460	35.238	37.299	37.160	34.567
70	37.591	38.021	33.088	31.295	28.921	31.593	30.292
75	29.293	28.217	28.651	19.227	20.872	22.160	23.384
80	23.121	21.241	19.700	10.610	11.645	11.482	12.633
85	16.986	14.271	15.862	3.651	4.868	5.638	5.856
90	0.000	0.000	0.000	0.000	0.000	0.000	2.035
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	1237.71	N.A.	47.70
0-30	2030.14	N.A.	78.20
0-40	2365.96	N.A.	91.10
0-60	2517.66	N.A.	96.90
0-80	2583.57	N.A.	99.50
0-90	2595.94	N.A.	100.00
10-90	2217.53	N.A.	85.40
20-40	1128.25	N.A.	43.40
20-50	1227.76	N.A.	47.30
40-70	189.70	N.A.	7.30
60-80	65.91	N.A.	2.50
70-80	27.92	N.A.	1.10
80-90	12.37	N.A.	0.50
90-110	1.02	N.A.	0.00
90-120	1.02	N.A.	0.00
90-130	1.02	N.A.	0.00
90-150	1.02	N.A.	0.00
90-180	1.02	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2596.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	378.41
10-20	859.29
20-30	792.43
30-40	335.82
40-50	99.51
50-60	52.19
60-70	38.00
70-80	27.92
80-90	12.37
90-100	1.02
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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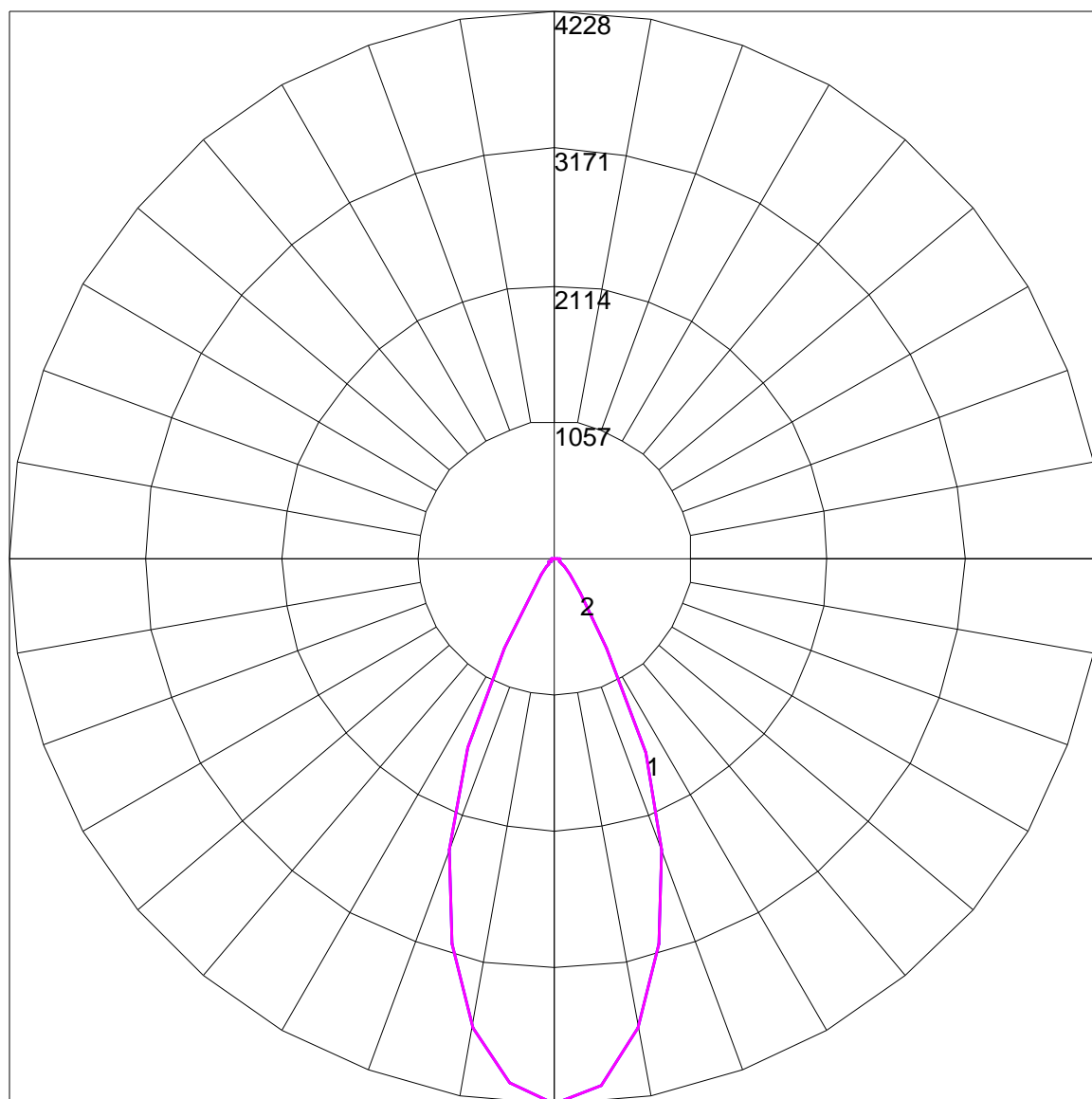
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	57	65	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 4228.347 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)