

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_2 ~ C0611SQXT-30LXXK-MDEX-TCY-NLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00618_2
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C0611SQXT-30L-xxK-MD-EX-TCY-NL-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] No Lens
[OTHER] 37.7 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	2831
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
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_2 ~ C0611SQXT-30LXXK-MDEX-TCY-NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12614	12486	11342
55	8503	9783	7877
65	9123	9493	8109
75	9794	10981	10635
85	8309	9344	10704

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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	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149
5	5483.186	5506.790	5507.840	5542.269	5526.950	5501.650	5516.345	5508.112	5496.023	5499.796
10	4712.587	4733.478	4744.846	4756.113	4758.872	4741.463	4762.334	4751.849	4745.243	4729.165
15	3687.980	3702.979	3726.658	3710.318	3722.525	3724.592	3747.111	3726.611	3726.249	3708.481
20	2670.884	2710.080	2755.337	2701.610	2676.835	2703.933	2757.541	2706.268	2647.092	2671.054
25	1696.014	1880.070	1974.733	1792.577	1634.520	1788.992	1959.288	1818.108	1555.222	1732.005
30	724.397	1092.383	1369.467	809.311	645.200	839.124	1336.090	874.794	618.300	709.524
35	221.220	313.812	737.805	196.834	177.836	260.109	694.427	273.187	179.710	223.456
40	117.478	123.445	202.251	112.400	106.821	107.449	169.955	104.829	106.703	116.029
45	83.192	86.424	82.345	80.358	74.803	76.285	74.985	71.581	74.133	81.482
50	61.325	67.485	64.530	61.732	56.717	59.007	57.804	54.528	54.246	60.412
55	45.489	51.557	52.338	48.334	42.139	46.665	45.412	45.240	41.297	47.528
60	37.793	43.001	43.860	38.111	34.259	39.287	41.857	38.865	35.102	40.132
65	35.960	37.544	37.418	37.711	31.963	36.976	39.646	38.671	34.221	40.656
70	32.264	33.536	34.092	34.459	32.752	37.033	36.965	37.056	35.409	38.202
75	23.642	25.437	26.508	26.875	25.673	35.808	31.322	34.773	32.205	33.506
80	15.096	16.024	14.124	18.183	15.896	29.417	26.500	27.436	26.380	25.605
85	6.754	7.705	7.596	8.397	8.701	21.092	21.313	21.054	20.857	20.001
90	1.623	1.750	2.950	2.838	2.824	17.276	16.634	16.180	0.000	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	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149	5791.149
5	5483.598	5559.945	5555.812	5532.762	5528.194	5506.100	5483.186
10	4721.528	4783.150	4789.718	4784.544	4769.367	4750.588	4712.587
15	3708.486	3719.126	3720.427	3740.164	3737.508	3730.097	3687.980
20	2738.203	2712.030	2677.097	2718.431	2739.291	2720.702	2670.884
25	1946.464	1865.160	1685.052	1850.459	1951.727	1838.477	1696.014
30	1360.938	1030.098	623.096	976.134	1394.378	967.324	724.397
35	639.300	247.706	203.290	301.109	779.362	281.875	221.220
40	190.136	116.936	112.558	119.916	240.895	121.990	117.478
45	86.554	82.116	77.018	84.006	92.331	87.207	83.192

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50	63.592	63.727	56.217	61.826	66.509	66.022	61.325
55	52.348	51.263	40.322	47.559	57.154	51.956	45.489
60	45.446	42.685	38.605	40.755	47.379	42.438	37.793
65	42.121	43.111	35.136	36.849	40.088	39.817	35.960
70	37.365	37.478	36.606	30.865	31.794	33.992	32.264
75	32.352	32.023	29.033	21.356	19.673	23.920	23.642
80	24.411	24.426	24.386	12.278	13.032	13.603	15.096
85	18.330	18.203	17.817	4.629	5.280	6.016	6.754
90	0.000	0.000	0.000	0.000	0.000	0.000	1.623
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	1534.88	N.A.	54.20
0-30	2359.35	N.A.	83.30
0-40	2635.95	N.A.	93.10
0-60	2748.85	N.A.	97.10
0-80	2816.06	N.A.	99.50
0-90	2829.96	N.A.	100.00
10-90	2327.46	N.A.	82.20
20-40	1101.07	N.A.	38.90
20-50	1169.84	N.A.	41.30
40-70	150.49	N.A.	5.30
60-80	67.21	N.A.	2.40
70-80	29.62	N.A.	1.00
80-90	13.90	N.A.	0.50
90-110	1.06	N.A.	0.00
90-120	1.06	N.A.	0.00
90-130	1.06	N.A.	0.00
90-150	1.06	N.A.	0.00
90-180	1.06	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2831.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	502.50
10-20	1032.38
20-30	824.47
30-40	276.60
40-50	68.77
50-60	44.14
60-70	37.59
70-80	29.62
80-90	13.90
90-100	1.06
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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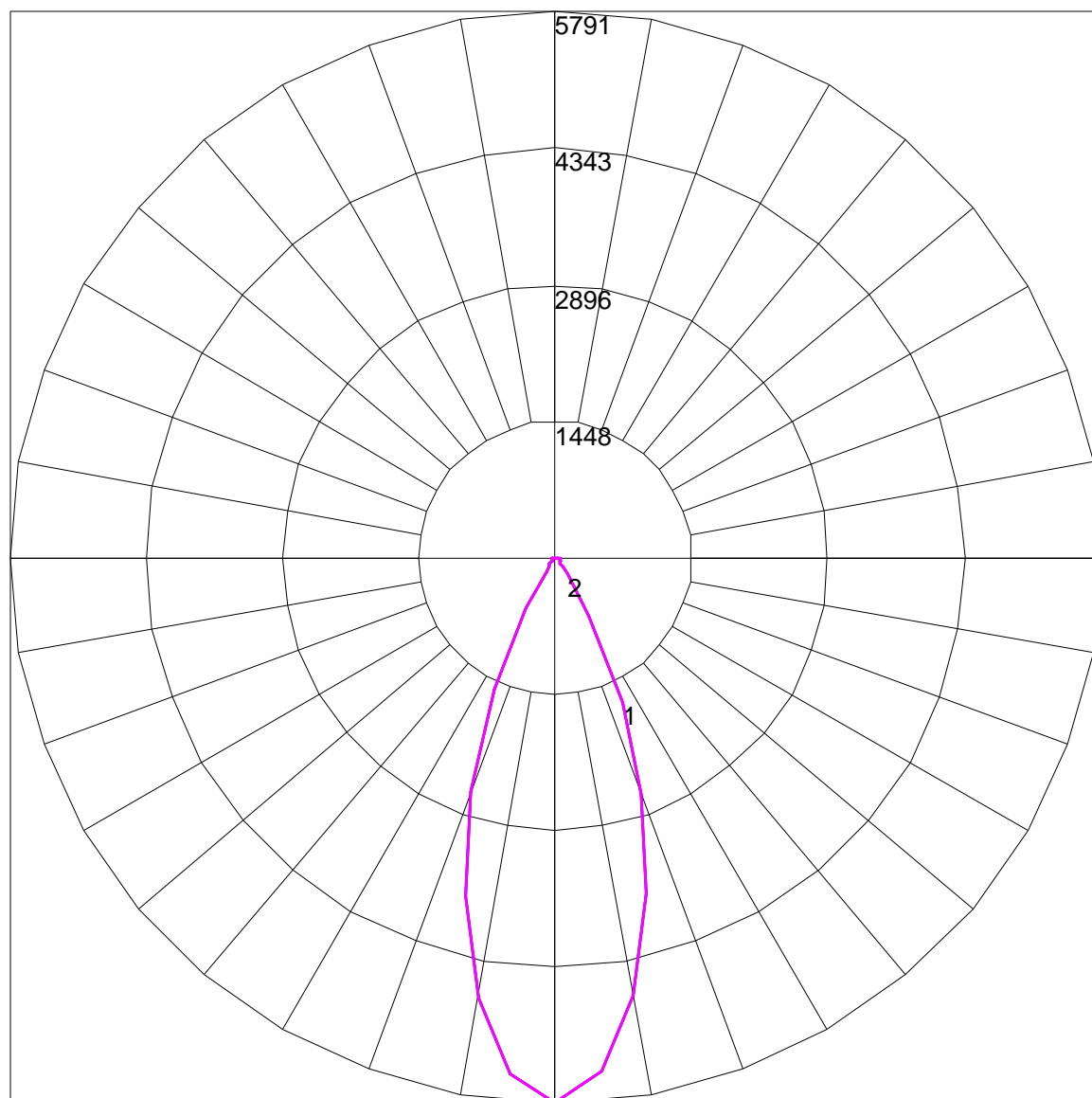
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	105	105	103	101	101	100	98	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	82	78	85	80	77	83	79	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

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POLAR GRAPH



Maximum Candela = 5791.149 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)