

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_14 ~ C08XXSQXT-13LXXK-XWEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_14_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-13L-xxK-XW-EX-TSG-NL
[LUMINAIRE] Nom. 8" Square LED Cylinder Downlight
[OTHER] Data applicable to: 12"H and 16"H Square Cylinders
[OTHER] Upper, Internal Reflector, Xtra Wide Beam
[OTHER] Lower Trim, Semi-diffuse Clear Anodized
[OTHER] No Lens
[OTHER] 62.4 Degree Beam Angle
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] Former Cat. No: SPC08SQ-LEDXT-series
[OTHER] This report prepared by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1144
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3268	2686	3004
55	626	218	453
65	110	112	96
75	150	147	151
85	452	334	428

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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	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661
5	1292.492	1286.185	1286.409	1295.443	1305.820	1299.208	1305.347	1299.673	1302.493	1306.979
10	1226.811	1220.392	1223.795	1233.199	1249.456	1245.011	1253.351	1247.480	1249.294	1256.016
15	1129.194	1132.986	1151.539	1139.546	1157.402	1158.865	1169.731	1156.824	1155.913	1171.296
20	1016.300	1077.554	1079.794	1042.509	1030.322	1047.192	1057.442	1034.879	1022.991	1059.301
25	924.543	944.098	931.083	950.485	910.998	937.262	947.300	909.381	893.141	938.155
30	743.867	672.120	631.232	726.693	756.991	685.603	682.129	725.938	733.388	672.804
35	436.392	240.293	282.661	413.469	450.449	270.957	240.536	383.131	441.946	266.908
40	163.398	96.244	97.781	132.760	124.776	104.361	109.238	121.168	130.154	117.499
45	53.729	45.126	44.153	46.724	49.378	48.076	50.007	50.992	50.250	55.515
50	25.675	14.059	13.572	18.927	21.936	15.234	16.431	20.791	19.973	16.075
55	8.348	3.089	2.906	4.307	6.034	3.650	4.128	6.409	4.580	2.702
60	1.660	1.559	1.227	1.186	1.640	2.233	2.585	2.517	1.780	1.570
65	1.080	1.207	1.102	0.896	0.942	2.172	2.536	2.167	1.851	1.964
70	0.793	0.698	1.137	0.805	0.807	2.256	2.552	2.611	2.296	2.438
75	0.902	0.791	0.882	0.753	0.907	3.153	3.024	3.281	2.980	2.574
80	0.747	0.908	0.882	0.689	0.924	4.895	3.920	4.120	3.950	3.590
85	0.915	0.714	0.676	0.554	0.867	4.979	5.795	5.206	5.209	4.561
90	0.737	0.000	0.000	0.000	0.708	6.517	0.000	0.000	0.000	6.427
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	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661	1316.661
5	1304.800	1300.877	1292.396	1279.928	1281.914	1283.831	1292.492
10	1253.134	1241.625	1222.294	1208.684	1208.708	1217.235	1226.811
15	1165.578	1143.806	1114.263	1109.708	1107.610	1111.401	1129.194
20	1052.584	1010.960	981.463	1043.602	1030.973	994.511	1016.300
25	934.421	889.009	888.241	946.114	934.551	900.646	924.543
30	634.289	721.412	755.185	685.476	681.418	723.890	743.867
35	258.100	409.982	458.639	216.665	244.922	428.785	436.392
40	125.551	126.288	161.718	100.741	96.326	143.020	163.398
45	57.871	61.144	55.667	48.204	46.865	52.869	53.729
50	14.035	24.410	24.705	14.020	15.459	23.188	25.675
55	2.566	5.595	6.614	2.890	3.129	5.554	8.348
60	1.801	1.822	1.944	1.464	1.478	1.752	1.660

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65	2.106	1.712	1.699	1.115	1.110	1.316	1.080
70	2.308	2.031	2.140	0.948	1.090	0.743	0.793
75	2.708	2.901	3.131	0.934	1.034	1.088	0.902
80	3.910	3.872	3.605	0.871	0.926	0.802	0.747
85	4.995	4.353	4.809	0.887	0.675	0.879	0.915
90	6.490	5.878	0.000	0.000	0.754	0.875	0.737
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	442.28	N.A.	38.70
0-30	853.60	N.A.	74.60
0-40	1084.19	N.A.	94.80
0-60	1136.8	N.A.	99.40
0-80	1140.5	N.A.	99.70
0-90	1143.21	N.A.	100.00
10-90	1021.48	N.A.	89.30
20-40	641.91	N.A.	56.10
20-50	688.02	N.A.	60.20
40-70	54.22	N.A.	4.70
60-80	3.70	N.A.	0.30
70-80	2.09	N.A.	0.20
80-90	2.71	N.A.	0.20
90-110	0.49	N.A.	0.00
90-120	0.49	N.A.	0.00
90-130	0.49	N.A.	0.00
90-150	0.49	N.A.	0.00
90-180	0.49	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1143.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.73
10-20	320.55
20-30	411.32
30-40	230.59
40-50	46.11
50-60	6.50
60-70	1.61
70-80	2.09
80-90	2.71
90-100	0.49
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

IES INDOOR REPORT

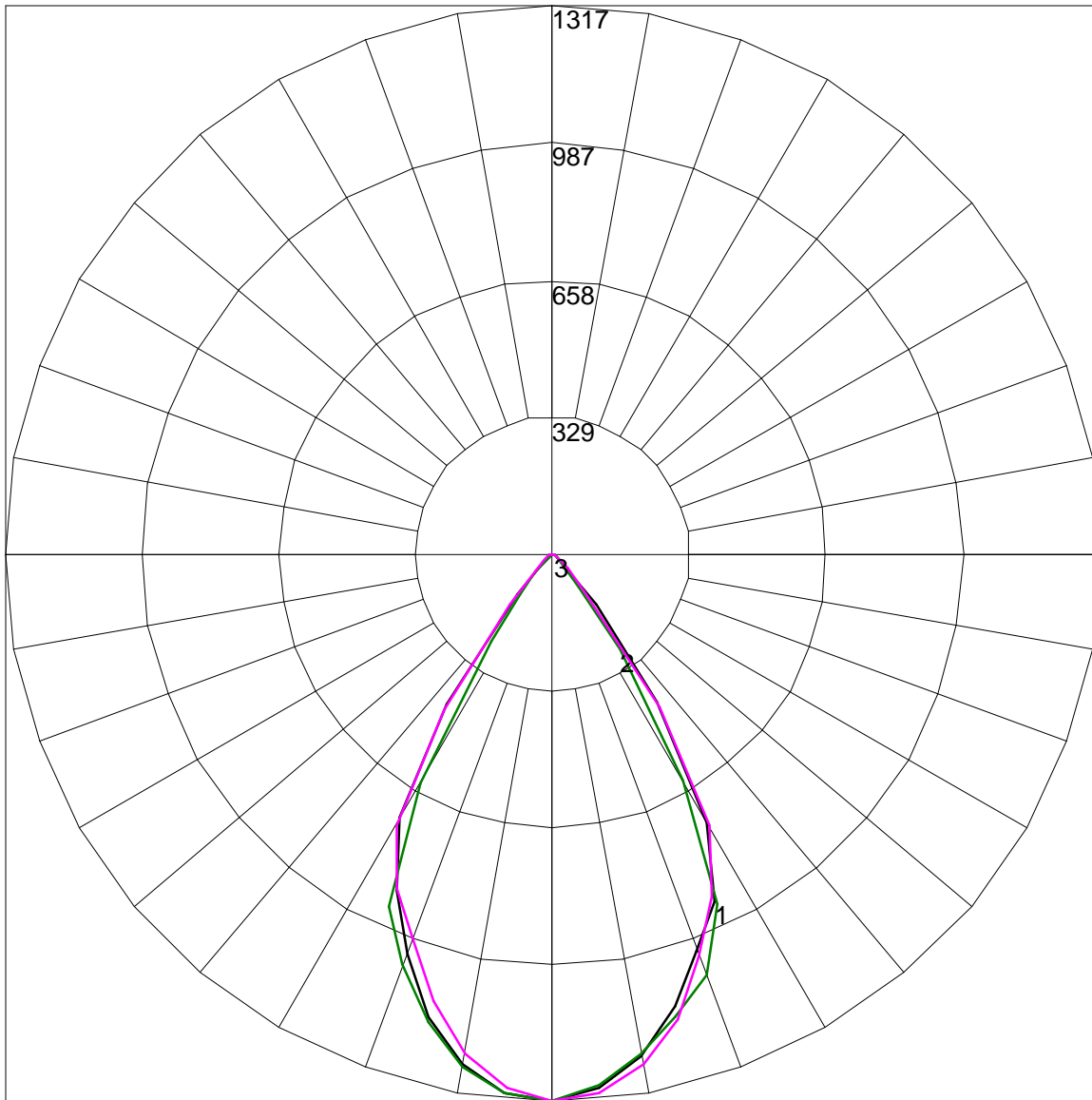
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	70	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

POLAR GRAPH



Maximum Candela = 1316.661 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)