

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-10LXXK-MDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_1_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2018
[UPDATE] 2/2/2017
[LUMCAT] C08xxSQXT-10L-xxK-MD-EX-TSG-GL
[LUMINAIRE] Nom. 8" Square LED Cylinder Downlight
[OTHER] Data applicable to: 12"H and 16"H Square Cylinders
[OTHER] Upper, Internal Reflector, Medium Beam
[OTHER] Lower Trim, Semi-diffuse Clear Anodized
[OTHER] Clear Glass Lens, Regressed in Lower Trim
[OTHER] 39.9 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	751
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.72
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	971	886	1071
55	183	123	248
65	89	74	77
75	122	106	92
85	304	303	301

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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	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869
5	1341.527	1362.706	1362.904	1367.148	1349.506	1354.156	1347.036	1322.263	1309.583	1281.822
10	1178.734	1223.424	1226.189	1236.160	1200.551	1204.177	1191.822	1144.102	1122.978	1080.705
15	941.332	1002.135	1009.574	1012.039	970.145	976.511	961.539	902.322	880.011	852.446
20	707.135	783.825	787.611	772.221	736.118	753.659	744.583	676.058	666.161	671.954
25	527.127	579.185	580.782	576.692	553.897	565.972	555.175	502.294	519.273	514.488
30	382.264	359.997	356.116	418.742	404.477	355.818	352.823	359.091	380.656	298.173
35	208.698	126.062	135.065	266.494	226.448	137.389	120.222	192.963	210.406	99.997
40	64.010	33.373	31.631	75.930	62.589	31.670	30.709	58.271	64.750	26.333
45	15.954	15.171	14.570	20.308	17.606	15.052	14.743	14.571	17.182	13.091
50	7.266	5.128	5.257	7.745	8.355	6.211	5.815	7.309	7.399	5.741
55	2.445	1.687	1.634	2.997	3.301	2.748	2.378	3.182	3.060	2.558
60	0.980	0.975	0.906	0.993	1.252	2.027	1.241	1.620	1.807	1.515
65	0.877	0.788	0.724	0.848	0.760	1.664	1.203	1.808	1.704	1.284
70	0.620	0.639	0.677	0.764	0.620	1.635	1.575	1.847	1.887	1.832
75	0.736	0.637	0.635	0.711	0.553	2.050	1.915	1.723	1.855	1.934
80	0.587	0.502	0.626	0.610	0.616	2.091	2.547	2.295	2.782	2.453
85	0.616	0.424	0.614	0.727	0.609	2.866	2.874	3.306	3.034	3.306
90	0.459	0.450	0.590	0.372	0.639	3.076	2.413	3.223	3.016	3.616
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	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869	1383.869
5	1281.124	1273.493	1293.922	1294.891	1299.982	1328.031	1341.527
10	1079.659	1066.839	1099.912	1099.054	1108.202	1154.904	1178.734
15	850.123	825.607	854.170	856.678	868.120	914.665	941.332
20	668.395	625.306	628.575	657.088	663.762	683.791	707.135
25	510.564	480.028	464.542	513.125	510.601	516.351	527.127
30	290.859	335.561	350.594	301.191	299.971	387.205	382.264
35	92.857	160.053	189.988	94.806	97.575	214.045	208.698
40	25.407	36.156	47.587	26.459	27.031	61.889	64.010
45	11.936	12.970	14.210	13.274	12.817	15.743	15.954
50	4.523	6.399	6.638	5.197	5.024	7.669	7.266
55	2.107	2.508	2.651	2.223	2.017	3.178	2.445
60	1.492	1.547	1.671	1.385	1.134	1.303	0.980

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65	1.422	1.609	1.583	0.908	0.907	1.135	0.877
70	1.999	1.840	1.753	0.700	0.598	0.688	0.620
75	2.030	1.911	1.895	0.327	0.577	0.606	0.736
80	2.691	2.822	2.624	0.430	0.753	0.488	0.587
85	3.936	3.907	3.615	0.436	0.528	0.390	0.616
90	3.000	4.500	2.572	0.507	0.618	0.365	0.459
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	377.00	N.A.	50.20
0-30	617.66	N.A.	82.30
0-40	727.36	N.A.	96.90
0-60	745.41	N.A.	99.30
0-80	748.06	N.A.	99.70
0-90	750.05	N.A.	99.90
10-90	629.17	N.A.	83.80
20-40	350.36	N.A.	46.70
20-50	365.58	N.A.	48.70
40-70	19.29	N.A.	2.60
60-80	2.64	N.A.	0.40
70-80	1.40	N.A.	0.20
80-90	1.99	N.A.	0.30
90-110	0.50	N.A.	0.10
90-120	0.50	N.A.	0.10
90-130	0.50	N.A.	0.10
90-150	0.50	N.A.	0.10
90-180	0.50	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	750.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	120.87
10-20	256.12
20-30	240.66
30-40	109.70
40-50	15.22
50-60	2.84
60-70	1.24
70-80	1.40
80-90	1.99
90-100	0.50
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

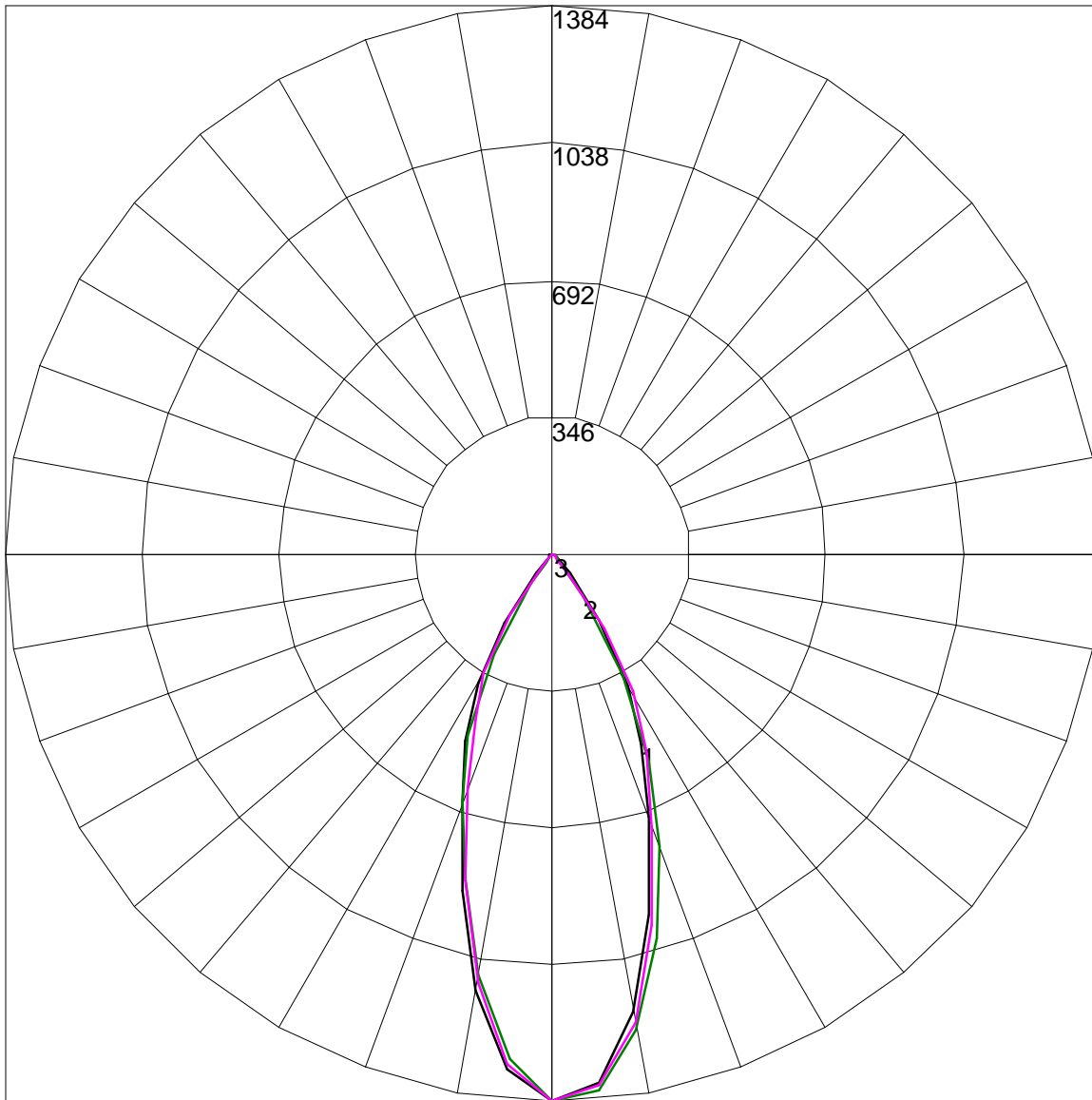
Effective Floor Cavity Reflectance 0.20

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	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	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 1383.869 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)