

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_9 ~ C08XXSQXT-20LXXK-WDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_9_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-20L-xxK-WD-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, Wide Beam
[OTHER] Lower Trim, Semi-diffuse Clear Anodized
[OTHER] Clear Glass Lens, Regressed in Lower Trim
[OTHER] 47.4 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	1522
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.78
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	3221	2057	2767
55	537	209	407
65	134	169	189
75	273	192	160
85	445	417	561

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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	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164
5	2274.856	2297.546	2294.952	2286.049	2262.022	2295.879	2286.628	2291.162	2249.128	2237.311
10	2089.993	2133.246	2131.453	2117.996	2064.680	2115.955	2106.489	2107.040	2041.758	2012.941
15	1776.742	1846.033	1846.815	1814.818	1739.681	1810.892	1793.824	1787.423	1713.758	1691.609
20	1402.083	1498.734	1503.471	1444.291	1359.906	1448.520	1444.890	1403.378	1356.350	1409.892
25	1090.916	1149.553	1130.917	1113.686	1070.493	1142.934	1151.812	1095.780	1107.526	1153.933
30	839.177	719.041	646.538	812.287	814.637	769.694	722.293	844.844	863.065	797.721
35	507.631	259.432	214.414	418.990	409.710	252.147	181.810	446.373	506.967	257.434
40	179.692	85.034	79.369	112.889	118.670	92.890	92.094	102.944	191.586	82.391
45	52.943	40.637	33.816	44.563	45.490	45.933	44.863	53.821	62.528	42.901
50	23.222	13.531	9.506	17.624	18.577	17.708	15.789	25.561	26.991	14.658
55	7.158	3.469	2.785	4.538	5.424	6.331	5.402	8.469	9.872	5.073
60	2.264	2.040	1.594	1.832	2.044	4.019	3.964	4.273	3.848	3.035
65	1.316	1.627	1.657	1.523	1.860	3.428	3.134	3.682	3.494	3.253
70	1.468	1.310	0.903	1.262	1.288	3.902	3.994	3.520	3.175	3.612
75	1.642	1.415	1.156	0.865	0.961	4.366	4.337	4.266	3.265	3.947
80	1.090	1.211	1.021	1.143	1.059	4.306	4.439	3.888	4.938	4.852
85	0.902	0.845	0.845	1.271	1.137	6.042	5.948	5.678	5.916	6.341
90	0.000	0.000	0.000	0.000	0.000	7.207	8.398	7.146	8.046	8.260
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	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164	2330.164
5	2231.670	2237.736	2254.623	2251.817	2251.371	2256.723	2274.856
10	2009.006	2018.430	2057.130	2035.133	2038.313	2045.626	2089.993
15	1703.150	1689.540	1743.053	1704.815	1724.566	1715.829	1776.742
20	1410.594	1361.499	1378.534	1368.240	1409.511	1365.718	1402.083
25	1141.668	1126.462	1078.043	1147.301	1153.648	1110.288	1090.916
30	748.375	844.058	858.821	845.155	789.093	858.254	839.177
35	295.945	452.631	572.914	289.512	295.745	465.897	507.631
40	86.522	117.330	252.430	96.640	100.944	115.058	179.692
45	42.711	51.301	81.019	49.580	49.570	52.993	52.943
50	16.049	25.025	33.448	20.208	18.578	24.648	23.222
55	5.388	8.650	15.536	6.688	5.959	7.870	7.158
60	3.495	3.469	6.080	3.049	2.731	2.195	2.264

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65	3.111	2.655	3.179	2.023	1.885	1.517	1.316
70	3.407	3.397	3.563	1.637	1.759	1.685	1.468
75	3.470	4.232	3.199	1.128	1.264	1.493	1.642
80	4.701	4.410	5.050	1.153	0.889	1.077	1.090
85	6.376	6.555	5.800	0.946	1.135	0.909	0.902
90	8.399	8.079	7.730	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	698.06	N.A.	45.90
0-30	1206.87	N.A.	79.30
0-40	1458.71	N.A.	95.80
0-60	1512.19	N.A.	99.30
0-80	1517.56	N.A.	99.70
0-90	1521.34	N.A.	99.90
10-90	1311.26	N.A.	86.10
20-40	760.64	N.A.	50.00
20-50	805.99	N.A.	52.90
40-70	56.09	N.A.	3.70
60-80	5.37	N.A.	0.40
70-80	2.76	N.A.	0.20
80-90	3.78	N.A.	0.20
90-110	1.08	N.A.	0.10
90-120	1.08	N.A.	0.10
90-130	1.08	N.A.	0.10
90-150	1.08	N.A.	0.10
90-180	1.08	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	1522.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.08
10-20	487.98
20-30	508.80
30-40	251.84
40-50	45.35
50-60	8.13
60-70	2.61
70-80	2.76
80-90	3.78
90-100	1.08
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**PHOTOMETRIC FILENAME : SP-00611_9 ~ C08XXSQXT-20LXXK-WDEX-TSG-GL.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

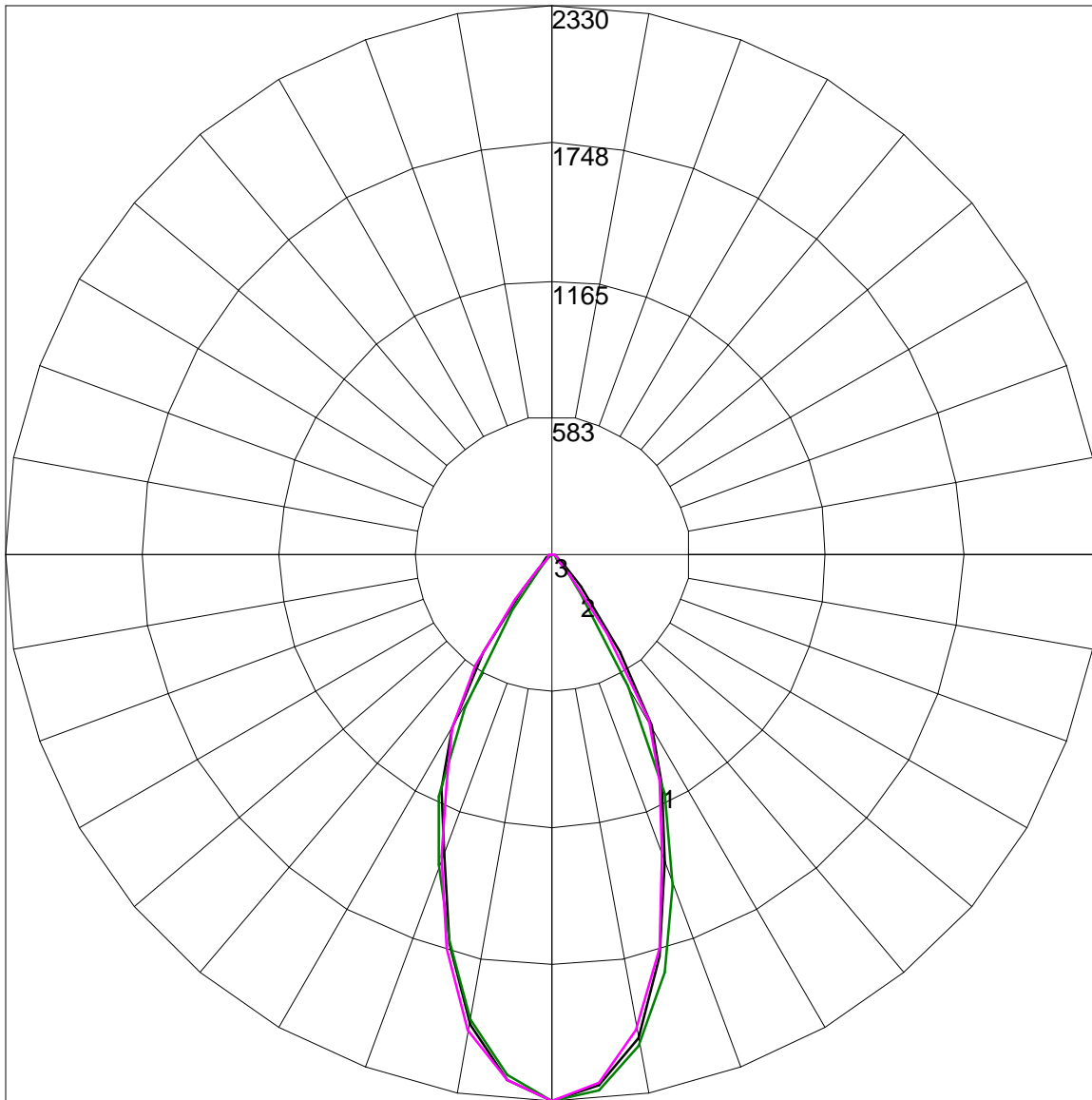
Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	76	71	67	74	70	67	73	70	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	67	63	60	67	63	60	59
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 2330.164 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)