

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_1_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-20L-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	1556
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	21.7
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2012	1837	2220
55	380	254	513
65	185	153	160
75	254	219	190
85	630	628	623

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES

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	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860
5	2781.082	2824.989	2825.399	2834.196	2797.624	2807.262	2792.504	2741.146	2714.861	2657.309
10	2443.600	2536.246	2541.979	2562.648	2488.829	2496.347	2470.732	2371.805	2328.015	2240.379
15	1951.448	2077.499	2092.921	2098.031	2011.181	2024.377	1993.340	1870.578	1824.327	1767.182
20	1465.941	1624.927	1632.774	1600.870	1526.026	1562.389	1543.575	1401.516	1381.000	1393.010
25	1092.773	1200.692	1204.003	1195.524	1148.269	1173.300	1150.919	1041.291	1076.490	1066.570
30	792.461	746.301	738.255	868.082	838.511	737.636	731.428	744.421	789.127	618.134
35	432.647	261.336	280.000	552.462	469.443	284.818	249.228	400.026	436.186	207.300
40	132.698	69.185	65.574	157.408	129.752	65.654	63.661	120.801	134.232	54.590
45	33.073	31.450	30.204	42.099	36.498	31.203	30.563	30.208	35.620	27.139
50	15.063	10.631	10.897	16.055	17.320	12.877	12.055	15.153	15.339	11.901
55	5.069	3.498	3.388	6.214	6.843	5.698	4.929	6.597	6.343	5.304
60	2.032	2.021	1.877	2.059	2.596	4.202	2.573	3.359	3.747	3.140
65	1.818	1.633	1.501	1.758	1.576	3.449	2.493	3.749	3.532	2.661
70	1.285	1.325	1.403	1.585	1.285	3.389	3.265	3.830	3.912	3.798
75	1.526	1.320	1.317	1.473	1.145	4.250	3.970	3.572	3.845	4.010
80	1.217	1.041	1.297	1.264	1.276	4.336	5.280	4.758	5.766	5.086
85	1.277	0.878	1.273	1.507	1.263	5.941	5.958	6.854	6.289	6.854
90	0.951	0.933	1.224	0.771	1.325	6.376	5.002	6.682	6.252	7.496
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	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860	2868.860
5	2655.862	2640.043	2682.393	2684.403	2694.956	2753.105	2781.082
10	2238.211	2211.633	2280.197	2278.419	2297.383	2394.198	2443.600
15	1762.367	1711.542	1770.755	1775.956	1799.675	1896.166	1951.448
20	1385.632	1296.305	1303.081	1362.191	1376.027	1417.548	1465.941
25	1058.436	995.133	963.029	1063.745	1058.513	1070.433	1092.773
30	602.972	695.641	726.806	624.391	621.861	802.704	792.461
35	192.498	331.801	393.858	196.540	202.279	443.730	432.647
40	52.670	74.954	98.652	54.852	56.037	128.301	132.698
45	24.743	26.889	29.459	27.519	26.570	32.636	33.073
50	9.377	13.266	13.761	10.773	10.415	15.898	15.063
55	4.369	5.198	5.496	4.608	4.181	6.588	5.069
60	3.092	3.207	3.465	2.871	2.351	2.701	2.032

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES****CANDELA TABULATION - (Cont.)**

65	2.947	3.335	3.281	1.882	1.880	2.352	1.818
70	4.144	3.815	3.634	1.452	1.240	1.426	1.285
75	4.208	3.962	3.928	0.678	1.196	1.256	1.526
80	5.578	5.851	5.440	0.891	1.561	1.011	1.217
85	8.160	8.099	7.494	0.903	1.095	0.809	1.277
90	6.218	9.328	5.332	1.050	1.282	0.757	0.951
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	781.54	N.A.	50.20
0-30	1280.45	N.A.	82.30
0-40	1507.87	N.A.	96.90
0-60	1545.3	N.A.	99.30
0-80	1550.78	N.A.	99.70
0-90	1554.9	N.A.	99.90
10-90	1304.32	N.A.	83.80
20-40	726.33	N.A.	46.70
20-50	757.87	N.A.	48.70
40-70	40.00	N.A.	2.60
60-80	5.48	N.A.	0.40
70-80	2.91	N.A.	0.20
80-90	4.13	N.A.	0.30
90-110	1.04	N.A.	0.10
90-120	1.04	N.A.	0.10
90-130	1.04	N.A.	0.10
90-150	1.04	N.A.	0.10
90-180	1.04	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	1555.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	250.58
10-20	530.96
20-30	498.91
30-40	227.42
40-50	31.55
50-60	5.88
60-70	2.57
70-80	2.91
80-90	4.13
90-100	1.04
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_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

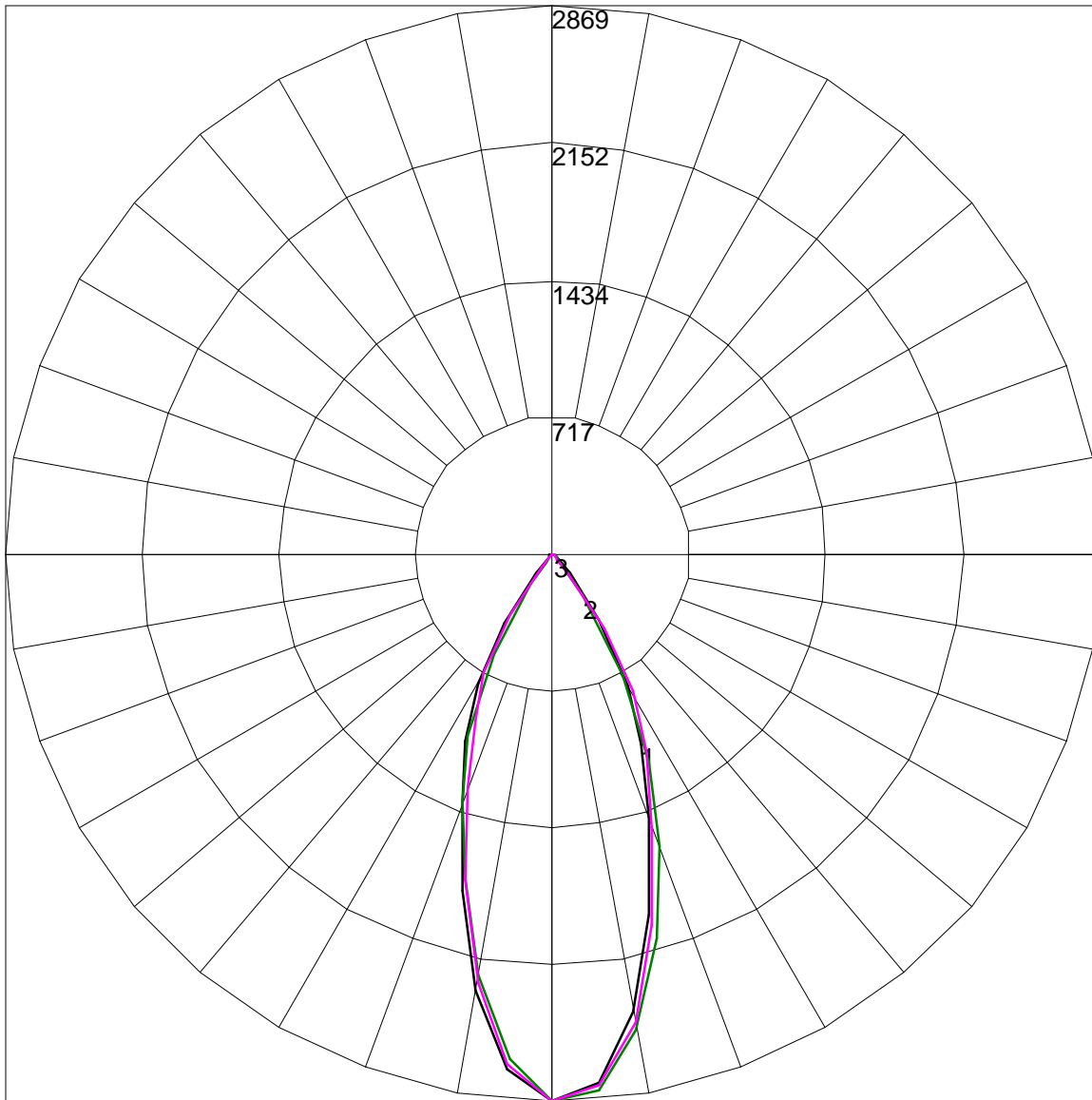
Effective Floor Cavity Reflectance 0.20

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	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-20LXXK-MDEX-TSG-GL.IES

POLAR GRAPH



Maximum Candela = 2868.86 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)