

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_1 ~ C08XXSQXT-30LXXK-MDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_1
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-30L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2334
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	32.6
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	3018	2756	3330
55	570	381	770
65	278	229	241
75	380	328	286
85	946	942	935

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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	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075
5	4171.415	4237.271	4237.886	4251.082	4196.226	4210.683	4188.546	4111.513	4072.088	3985.764
10	3665.217	3804.179	3812.778	3843.780	3733.057	3744.333	3705.913	3557.530	3491.848	3360.400
15	2927.026	3116.092	3139.224	3146.889	3016.620	3036.414	2989.860	2805.727	2736.354	2650.640
20	2198.802	2437.268	2449.039	2401.185	2288.924	2343.467	2315.247	2102.169	2071.396	2089.410
25	1639.078	1800.948	1805.914	1793.197	1722.318	1759.862	1726.292	1561.859	1614.655	1599.775
30	1188.632	1119.395	1107.327	1302.058	1257.703	1106.398	1097.087	1116.576	1183.632	927.155
35	648.938	391.985	419.979	828.652	704.130	427.206	373.824	600.009	654.247	310.935
40	199.037	103.772	98.356	236.100	194.618	98.476	95.487	181.192	201.338	81.881
45	49.607	47.173	45.304	63.146	54.745	46.802	45.842	45.309	53.427	40.707
50	22.593	15.946	16.345	24.082	25.979	19.314	18.082	22.728	23.008	17.850
55	7.603	5.247	5.082	9.320	10.264	8.546	7.393	9.895	9.514	7.955
60	3.048	3.032	2.816	3.088	3.894	6.302	3.859	5.038	5.620	4.710
65	2.727	2.450	2.252	2.637	2.364	5.173	3.740	5.623	5.297	3.991
70	1.927	1.988	2.105	2.377	1.928	5.083	4.898	5.744	5.867	5.696
75	2.289	1.980	1.976	2.210	1.718	6.375	5.954	5.357	5.767	6.015
80	1.825	1.562	1.946	1.896	1.914	6.503	7.919	7.136	8.649	7.629
85	1.916	1.317	1.909	2.261	1.895	8.911	8.937	10.280	9.433	10.281
90	1.426	1.400	1.836	1.157	1.988	9.564	7.502	10.023	9.378	11.244
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	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075	4303.075
5	3983.594	3959.866	4023.388	4026.403	4042.232	4129.451	4171.415
10	3357.148	3317.284	3420.125	3417.457	3445.902	3591.118	3665.217
15	2643.418	2567.185	2656.000	2663.801	2699.378	2844.107	2927.026
20	2078.344	1944.360	1954.524	2043.185	2063.938	2126.216	2198.802
25	1587.575	1492.625	1444.471	1595.538	1587.690	1605.569	1639.078
30	904.413	1043.410	1090.154	936.539	932.745	1203.996	1188.632
35	288.733	497.677	590.758	294.795	303.404	665.562	648.938
40	79.001	112.426	147.970	82.274	84.051	192.442	199.037
45	37.113	40.331	44.186	41.276	39.853	48.952	49.607
50	14.065	19.898	20.641	16.159	15.622	23.846	22.593
55	6.553	7.797	8.243	6.912	6.271	9.882	7.603
60	4.638	4.810	5.197	4.307	3.527	4.052	3.048

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65	4.421	5.002	4.922	2.823	2.820	3.528	2.727
70	6.215	5.722	5.450	2.178	1.860	2.139	1.927
75	6.311	5.942	5.891	1.017	1.794	1.884	2.289
80	8.367	8.776	8.160	1.337	2.341	1.516	1.825
85	12.240	12.148	11.241	1.355	1.642	1.213	1.916
90	9.327	13.991	7.997	1.575	1.923	1.135	1.426
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	1172.25	N.A.	50.20
0-30	1920.58	N.A.	82.30
0-40	2261.69	N.A.	96.90
0-60	2317.83	N.A.	99.30
0-80	2326.05	N.A.	99.70
0-90	2332.23	N.A.	99.90
10-90	1956.39	N.A.	83.80
20-40	1089.44	N.A.	46.70
20-50	1136.76	N.A.	48.70
40-70	60.00	N.A.	2.60
60-80	8.22	N.A.	0.40
70-80	4.36	N.A.	0.20
80-90	6.19	N.A.	0.30
90-110	1.57	N.A.	0.10
90-120	1.57	N.A.	0.10
90-130	1.57	N.A.	0.10
90-150	1.57	N.A.	0.10
90-180	1.57	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2333.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	375.85
10-20	796.41
20-30	748.33
30-40	341.11
40-50	47.32
50-60	8.82
60-70	3.85
70-80	4.36
80-90	6.19
90-100	1.57
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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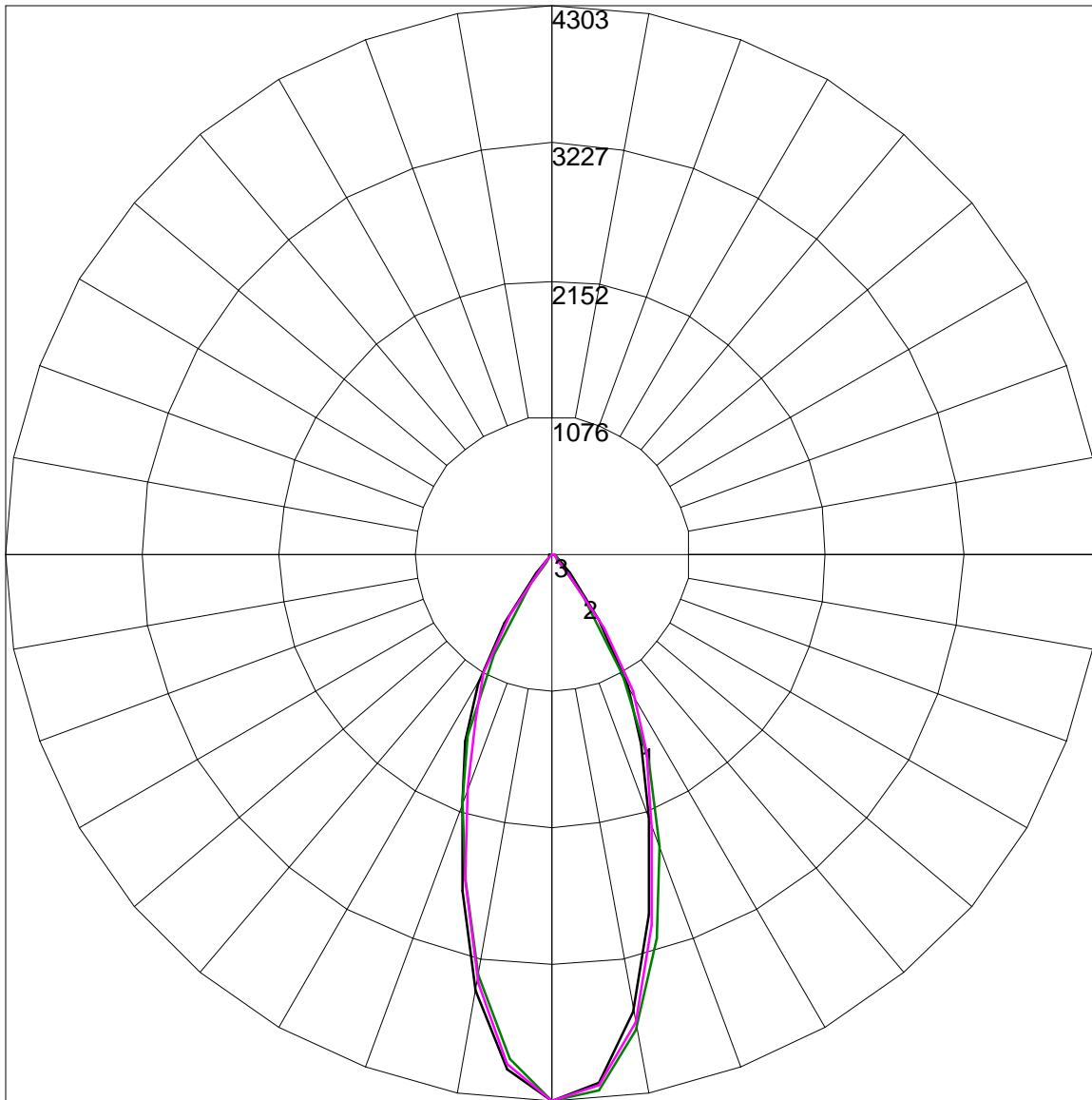
Effective Floor Cavity Reflectance 0.20

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	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	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	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

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POLAR GRAPH



Maximum Candela = 4303.075 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)