

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_5 ~ C08XXSQXT-13LXXK-NDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_5_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-13L-xxK-ND-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, Narrow Beam
[OTHER] Lower Trim, Semi-diffuse Clear Anodized
[OTHER] Clear Glass Lens, Regressed in Lower Trim
[OTHER] 22.1 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	1187
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.42
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_5 ~ C08XXSQXT-13LXXK-NDEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	328	203	460
55	93	87	108
65	128	131	82
75	94	155	78
85	382	242	238

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00611_5 ~ C08XXSQXT-13LXXK-NDEX-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	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584
5	4203.339	4401.483	4385.239	4356.337	4162.106	4255.398	4194.833	3928.766	3799.396	3549.220
10	2790.935	3093.630	3071.876	3067.320	2780.920	2854.907	2788.609	2473.294	2351.799	2091.409
15	1524.056	1749.238	1734.262	1733.283	1530.708	1572.315	1549.763	1354.784	1290.737	1164.788
20	862.171	1009.318	1004.638	981.775	891.068	927.436	925.828	812.064	786.366	785.289
25	601.796	675.056	671.131	665.390	635.659	651.528	652.477	588.034	610.707	612.593
30	463.360	409.657	391.701	499.258	497.876	431.994	428.447	447.854	491.151	354.589
35	260.899	118.580	122.668	313.134	299.696	156.100	140.273	241.478	285.210	96.677
40	67.420	10.550	9.426	86.498	86.549	17.673	16.312	59.859	77.018	10.187
45	5.399	3.781	3.335	8.113	7.566	6.806	6.281	5.568	8.106	4.837
50	2.109	2.097	1.781	3.043	2.819	4.036	3.245	3.183	2.704	3.181
55	1.241	1.303	1.155	1.776	1.436	2.535	1.595	1.769	2.195	2.424
60	1.083	1.241	0.908	0.914	1.057	2.037	1.837	1.297	1.478	1.683
65	1.256	0.698	1.283	1.191	0.804	1.875	1.696	1.575	2.296	1.681
70	0.676	0.622	0.802	0.476	0.473	2.172	1.638	1.416	1.453	1.744
75	0.564	0.684	0.932	0.685	0.471	2.258	2.001	2.593	2.078	2.013
80	0.632	0.798	0.581	1.025	0.752	2.368	2.545	2.321	2.709	2.958
85	0.774	0.510	0.490	0.562	0.482	3.882	3.058	3.346	3.688	3.743
90	0.318	0.198	0.728	0.239	0.694	4.427	1.735	3.568	1.695	5.698
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	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584	4637.584
5	3525.534	3446.721	3626.300	3736.816	3806.669	4076.293	4203.339
10	2090.702	2012.788	2206.068	2259.308	2314.130	2631.448	2790.935
15	1163.778	1111.667	1206.851	1224.599	1245.974	1425.903	1524.056
20	788.152	731.543	725.710	763.991	773.923	818.258	862.171
25	613.273	583.818	531.483	597.599	590.051	586.528	601.796
30	334.573	428.773	435.944	334.083	323.813	472.267	463.360
35	82.086	183.659	253.579	84.360	78.981	240.806	260.899
40	10.386	27.341	55.536	12.922	12.572	51.435	67.420
45	4.150	4.280	5.813	5.762	4.797	5.450	5.399
50	2.077	3.231	3.206	2.969	2.406	2.387	2.109
55	1.822	2.686	1.761	1.695	1.704	1.418	1.241
60	1.623	2.241	1.779	1.060	1.135	0.946	1.083

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_5 ~ C08XXSQXT-13LXXK-NDEX-TSG-GL.IES****CANDELA TABULATION - (Cont.)**

65	1.510	1.761	1.550	0.993	0.994	1.007	1.256
70	1.965	2.524	1.364	0.744	1.006	0.974	0.676
75	2.227	2.171	2.031	0.955	0.865	0.980	0.564
80	2.907	3.415	3.052	0.706	0.501	0.647	0.632
85	4.676	4.638	4.110	0.633	0.886	0.578	0.774
90	1.728	5.863	4.584	0.389	0.987	0.259	0.318
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_5 ~ C08XXSQXT-13LXXK-NDEX-TSG-GL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	757.71	N.A.	63.90
0-30	1042.86	N.A.	87.90
0-40	1169.39	N.A.	98.50
0-60	1180.93	N.A.	99.50
0-80	1183.85	N.A.	99.80
0-90	1186.12	N.A.	100.00
10-90	850.00	N.A.	71.60
20-40	411.67	N.A.	34.70
20-50	421.49	N.A.	35.50
40-70	12.89	N.A.	1.10
60-80	2.92	N.A.	0.20
70-80	1.57	N.A.	0.10
80-90	2.27	N.A.	0.20
90-110	0.57	N.A.	0.00
90-120	0.57	N.A.	0.00
90-130	0.57	N.A.	0.00
90-150	0.57	N.A.	0.00
90-180	0.57	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1186.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	336.12
10-20	421.59
20-30	285.14
30-40	126.53
40-50	9.82
50-60	1.73
60-70	1.34
70-80	1.57
80-90	2.27
90-100	0.57
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00611_5 ~ C08XXSQXT-13LXXK-NDEX-TSG-GL.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

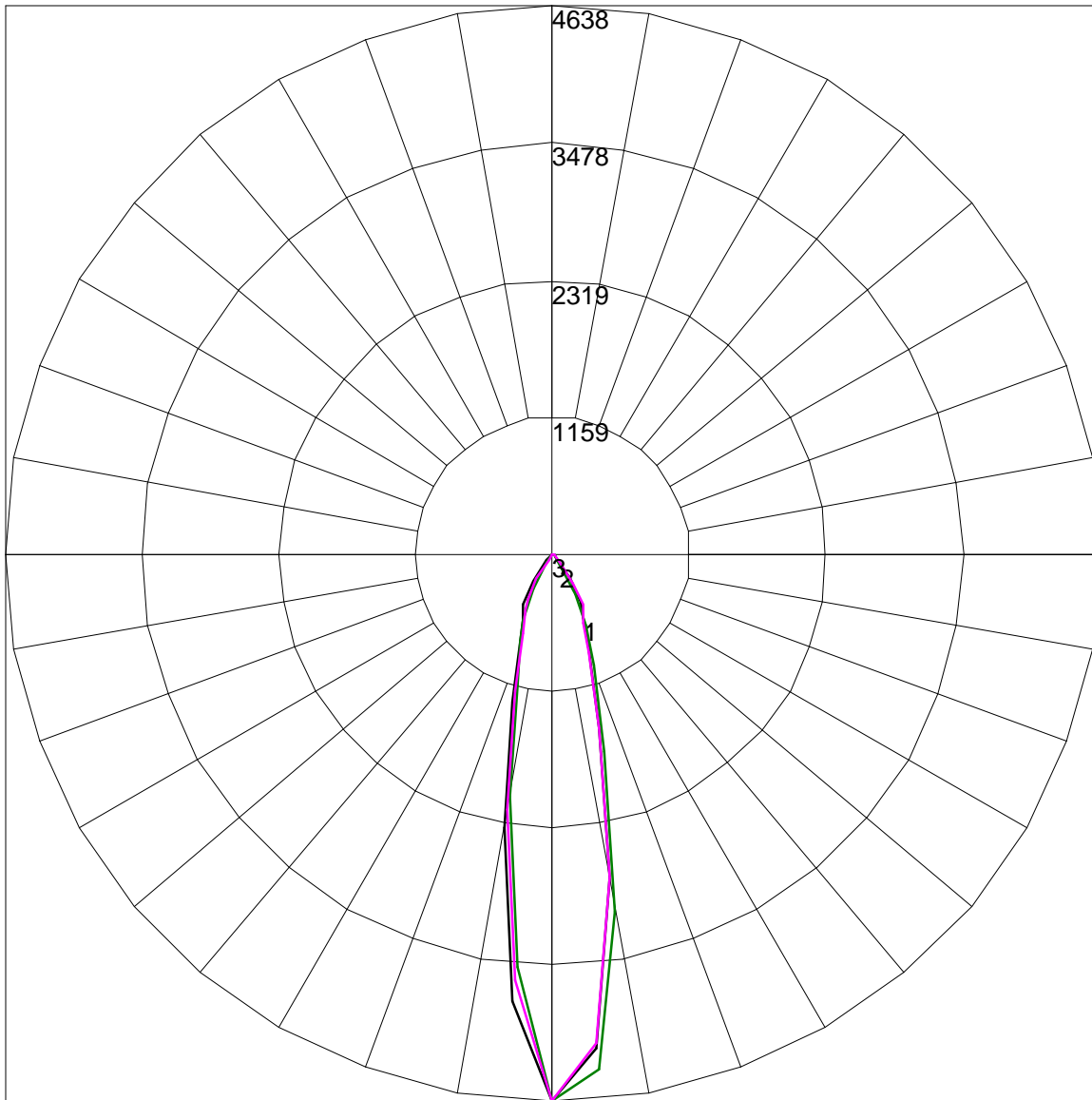
Effective Floor Cavity Reflectance 0.20

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	100	95	91	88	93	90	87	91	88	86	89	87	85	84
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71
9	86	78	74	70	85	78	73	70	77	73	70	76	72	70	75	72	70	69
10	83	75	71	68	82	75	71	68	74	70	68	74	70	67	73	70	67	66

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00611_5 ~ C08XXSQXT-13LXXK-NDEX-TSG-GL.IES

POLAR GRAPH



Maximum Candela = 4637.584 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)