

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_7 ~ C08XXSQXT-10LXXK-NDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_7_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-10L-xxK-ND-EX-TSG-SO
[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] Solite Lens, Regressed in Lower Trim
[OTHER] 25.4 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	873
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.48
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	1284	521	1641
55	168	139	125
65	69	110	95
75	69	87	75
85	181	201	228

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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	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570
5	2361.675	2448.603	2482.417	2581.538	2615.100	2619.850	2631.031	2579.462	2592.724	2518.733
10	1618.852	1725.788	1764.748	1905.407	1937.722	1957.654	1968.855	1885.874	1908.777	1802.703
15	993.448	1074.525	1101.120	1210.116	1224.879	1243.421	1249.197	1179.090	1200.750	1120.140
20	623.165	677.774	693.797	746.389	748.316	762.116	764.134	723.667	737.069	704.809
25	430.001	451.958	454.587	497.591	492.789	494.070	490.873	481.684	496.357	487.186
30	295.021	257.328	248.227	330.990	336.950	296.429	282.079	320.024	357.137	313.147
35	163.682	103.490	92.724	173.118	198.585	130.151	115.174	172.339	229.483	146.996
40	66.525	31.391	26.671	65.078	87.546	36.500	29.886	64.827	112.242	47.888
45	21.108	9.399	8.567	18.929	26.976	7.653	6.796	16.440	42.024	15.113
50	5.864	3.739	3.672	5.764	6.232	3.085	3.142	4.449	13.223	6.095
55	2.239	1.842	1.856	2.137	1.665	2.083	1.513	2.204	3.903	3.019
60	1.294	1.141	0.894	1.384	0.918	1.348	1.175	1.506	2.391	1.730
65	0.674	1.068	1.076	0.423	0.938	1.036	1.179	1.506	1.436	1.694
70	0.603	0.748	0.644	0.598	0.337	1.310	1.209	1.283	1.178	1.299
75	0.413	0.495	0.523	0.526	0.450	1.378	1.217	1.096	1.952	1.931
80	0.598	0.242	0.494	0.461	0.343	1.681	1.939	1.722	1.938	1.759
85	0.366	0.463	0.407	0.398	0.462	2.924	2.249	2.707	2.895	2.850
90	0.400	0.105	0.332	0.176	0.442	3.373	1.190	3.130	1.290	4.261
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	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570	2798.570
5	2495.275	2389.986	2359.500	2316.098	2306.563	2375.137	2361.675
10	1776.839	1643.981	1613.045	1568.390	1554.612	1634.348	1618.852
15	1104.415	1005.401	984.454	956.829	948.945	1006.941	993.448
20	696.530	631.880	619.068	610.696	609.335	637.326	623.165
25	479.301	440.070	432.450	420.233	414.783	443.193	430.001
30	299.266	303.110	304.853	247.210	236.886	300.970	295.021
35	133.177	168.228	181.545	102.601	93.393	163.707	163.682
40	42.301	67.490	85.273	30.291	25.776	64.231	66.525
45	13.223	21.293	30.650	9.441	7.295	17.843	21.108
50	4.947	6.642	8.666	3.647	2.969	4.992	5.864
55	2.810	3.261	3.747	1.677	1.531	2.308	2.239
60	1.872	2.111	1.897	0.834	0.864	1.112	1.294

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65	1.894	1.999	1.903	0.865	0.673	0.939	0.674
70	1.701	1.304	1.336	0.638	0.422	0.527	0.603
75	1.448	1.594	1.329	0.440	0.646	0.790	0.413
80	2.478	2.207	2.026	0.413	0.282	0.647	0.598
85	2.733	3.032	2.929	0.569	0.678	0.443	0.366
90	1.344	3.412	3.314	0.168	0.585	0.127	0.400
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	532.33	N.A.	61.00
0-30	748.90	N.A.	85.80
0-40	848.14	N.A.	97.20
0-60	868.64	N.A.	99.50
0-80	870.92	N.A.	99.80
0-90	872.54	N.A.	100.00
10-90	657.54	N.A.	75.30
20-40	315.80	N.A.	36.20
20-50	333.74	N.A.	38.20
40-70	21.68	N.A.	2.50
60-80	2.29	N.A.	0.30
70-80	1.11	N.A.	0.10
80-90	1.62	N.A.	0.20
90-110	0.40	N.A.	0.00
90-120	0.40	N.A.	0.00
90-130	0.40	N.A.	0.00
90-150	0.40	N.A.	0.00
90-180	0.40	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	872.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	215.00
10-20	317.33
20-30	216.56
30-40	99.24
40-50	17.93
50-60	2.57
60-70	1.18
70-80	1.11
80-90	1.62
90-100	0.40
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

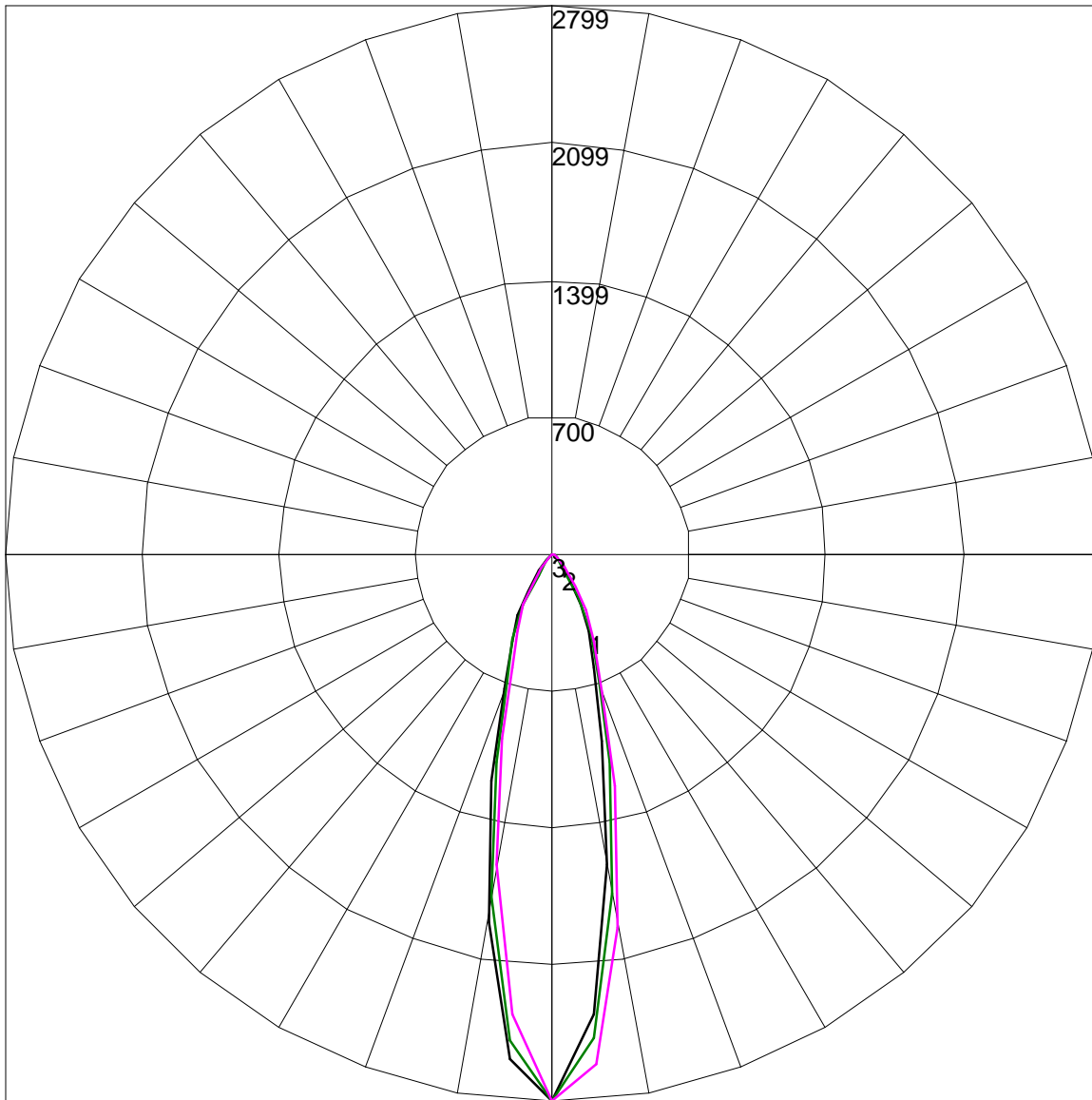
Effective Floor Cavity Reflectance 0.20

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86
4	101	95	91	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64

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POLAR GRAPH



Maximum Candela = 2798.57 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)