

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_3 ~ C08XXSQXT-30LXXK-MDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_3
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-30L-xxK-MD-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, Medium Beam
[OTHER] Lower Trim, Semi-diffuse Clear Anodized
[OTHER] Solite Lens, Regressed in Lower Trim
[OTHER] 41.1 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

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)	0.64
Spacing Criterion (90-270)	0.70
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	7071	4079	9393
55	1287	823	1339
65	416	331	399
75	263	311	229
85	973	459	722

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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	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854
5	3913.504	3974.496	3977.578	4032.557	4036.357	3975.204	3982.625	3940.515	3937.783	3879.256
10	3404.434	3504.716	3522.264	3623.047	3634.705	3524.340	3528.401	3440.196	3446.947	3349.421
15	2731.284	2853.887	2881.742	2992.859	3005.093	2889.112	2898.501	2777.673	2786.493	2690.543
20	2080.282	2214.075	2254.779	2328.862	2331.649	2235.478	2245.254	2132.513	2133.746	2097.312
25	1538.788	1652.529	1675.048	1758.130	1743.374	1644.032	1632.694	1575.810	1589.547	1583.524
30	1068.711	1065.259	1026.510	1234.935	1244.238	1048.930	1005.774	1057.612	1128.914	1014.638
35	632.208	496.935	462.853	711.313	777.741	505.355	449.322	566.039	700.167	475.698
40	293.471	179.436	168.678	301.576	387.932	178.569	150.578	226.920	351.035	182.499
45	116.232	65.427	67.058	111.755	154.411	59.839	53.707	77.667	146.512	70.897
50	43.247	28.219	27.713	43.962	52.058	25.490	22.759	28.076	58.663	31.178
55	17.166	13.253	10.977	17.985	17.859	10.863	9.213	15.519	23.094	15.604
60	7.995	5.422	5.776	8.516	7.050	5.847	5.244	8.224	10.173	9.735
65	4.088	4.222	3.252	4.306	3.918	4.773	5.228	6.529	6.779	6.413
70	1.847	2.614	2.752	1.949	1.786	6.041	5.670	4.502	5.264	6.341
75	1.580	1.827	1.871	1.643	1.377	4.808	5.358	5.200	6.142	5.703
80	1.530	1.295	1.643	1.503	1.425	7.081	7.685	7.551	5.593	6.780
85	1.971	1.470	0.931	1.329	1.463	8.035	8.127	8.770	8.824	10.281
90	1.793	0.662	1.360	0.746	1.752	11.664	4.811	12.098	5.883	9.816
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	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854	4105.854
5	3864.253	3791.567	3784.012	3866.100	3870.631	3926.767	3913.504
10	3333.734	3219.916	3211.141	3337.361	3339.509	3422.295	3404.434
15	2683.176	2550.285	2539.723	2683.826	2688.709	2761.194	2731.284
20	2091.916	1948.699	1917.864	2069.851	2081.752	2123.801	2080.282
25	1559.244	1444.022	1402.198	1523.545	1526.385	1583.513	1538.788
30	971.623	962.740	952.193	953.880	912.494	1087.068	1068.711
35	442.631	505.789	552.956	439.534	398.919	605.894	632.208
40	163.671	211.731	263.710	154.773	137.466	252.166	293.471
45	65.040	81.344	109.289	57.501	53.307	86.348	116.232
50	29.590	32.886	42.427	27.506	22.560	31.484	43.247
55	14.404	14.438	18.989	11.621	8.844	14.000	17.166
60	8.689	7.152	10.091	4.464	4.786	6.664	7.995

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65	7.064	6.945	6.540	3.527	3.545	3.279	4.088
70	6.075	7.010	6.388	2.512	1.660	2.339	1.847
75	6.831	7.235	5.923	1.871	1.780	1.925	1.580
80	7.368	7.742	7.801	1.589	1.511	1.624	1.530
85	10.114	9.235	10.123	1.484	0.988	1.800	1.971
90	6.000	10.770	14.266	0.643	1.368	1.044	1.793
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	1132.27	N.A.	48.50
0-30	1857.26	N.A.	79.60
0-40	2220.12	N.A.	95.10
0-60	2317.73	N.A.	99.30
0-80	2327.26	N.A.	99.70
0-90	2332.79	N.A.	99.90
10-90	1973.89	N.A.	84.60
20-40	1087.86	N.A.	46.60
20-50	1169.79	N.A.	50.10
40-70	102.89	N.A.	4.40
60-80	9.52	N.A.	0.40
70-80	4.24	N.A.	0.20
80-90	5.53	N.A.	0.20
90-110	1.45	N.A.	0.10
90-120	1.45	N.A.	0.10
90-130	1.45	N.A.	0.10
90-150	1.45	N.A.	0.10
90-180	1.45	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2334.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	358.89
10-20	773.37
20-30	725.00
30-40	362.86
40-50	81.94
50-60	15.67
60-70	5.28
70-80	4.24
80-90	5.53
90-100	1.45
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

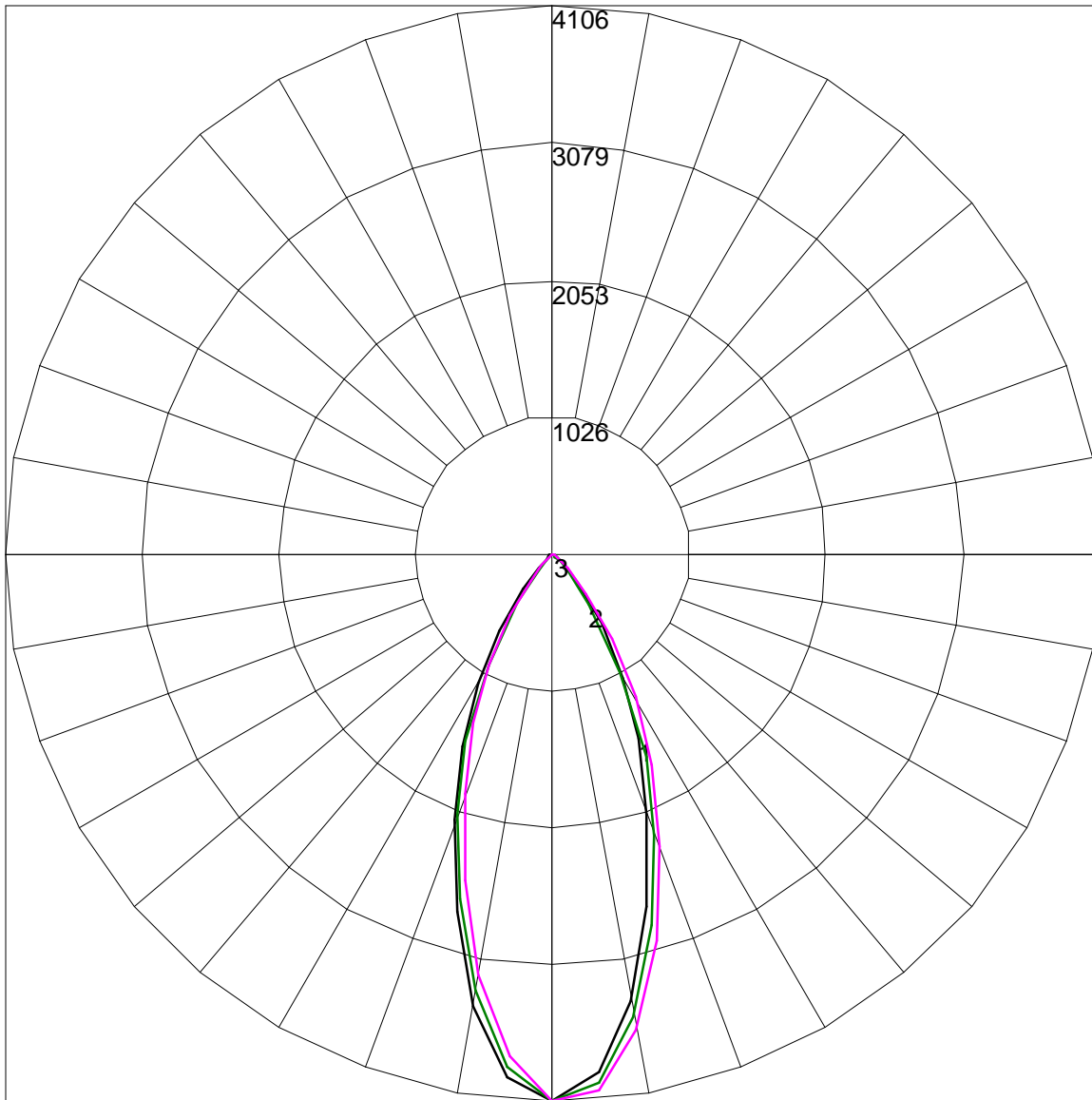
Effective Floor Cavity Reflectance 0.20

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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POLAR GRAPH



Maximum Candela = 4105.854 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)