

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00611_11 ~ C08XXSQXT-30LXXK-WDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00611_11
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 2/2/2018
[LUMCAT] C08xxSQXT-30L-xxK-WD-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, Wide Beam
[OTHER] Lower Trim, Semi-diffuse Clear Anodized
[OTHER] Solite Lens, Regressed in Lower Trim
[OTHER] 48 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	2302
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.78
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_11 ~ C08XXSQXT-30LXXK-WDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7923	6333	8803
55	1828	1496	1721
65	567	494	442
75	231	428	378
85	621	727	604

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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	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614
5	3338.057	3361.586	3365.727	3388.401	3391.696	3322.407	3323.423	3300.015	3298.445	3266.185
10	3042.971	3094.183	3101.236	3153.211	3158.902	3024.691	3022.645	2976.182	2979.283	2924.178
15	2589.996	2668.580	2677.894	2739.315	2752.156	2588.551	2584.848	2514.593	2525.755	2479.848
20	2088.254	2190.276	2204.398	2242.479	2255.314	2097.231	2103.912	2023.257	2050.268	2037.912
25	1626.119	1703.308	1724.686	1764.398	1772.596	1557.962	1585.175	1568.516	1618.196	1570.308
30	1169.118	1123.947	1157.709	1313.005	1289.942	956.760	989.785	1115.555	1177.594	992.537
35	684.913	554.812	593.628	852.894	779.015	442.178	469.594	659.180	706.088	480.025
40	313.690	227.305	245.590	443.862	367.046	169.537	185.570	312.537	334.411	199.975
45	130.249	95.756	104.108	190.200	144.704	72.094	77.234	127.634	141.575	87.739
50	54.474	44.283	46.717	76.759	57.088	30.621	33.689	50.739	60.153	39.922
55	24.372	18.002	19.949	30.546	22.948	11.258	13.767	21.651	26.469	17.196
60	10.928	7.889	8.545	13.156	8.900	6.632	6.584	9.411	12.706	8.620
65	5.572	4.401	4.858	4.711	4.346	5.018	5.608	6.006	8.185	6.626
70	3.401	2.767	3.610	2.477	2.830	5.190	6.004	5.381	6.189	6.684
75	1.387	1.998	2.576	1.643	2.272	5.373	5.630	5.977	6.317	5.746
80	1.396	1.328	1.510	1.910	1.446	7.830	6.979	7.293	7.455	7.150
85	1.259	1.037	1.474	1.558	1.223	8.139	9.504	10.619	8.834	8.824
90	1.837	0.512	1.816	1.352	1.067	10.149	11.801	9.038	10.860	10.305
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	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614	3419.614
5	3254.547	3213.919	3214.723	3311.888	3317.823	3340.581	3338.057
10	2905.624	2835.554	2839.695	3005.809	3016.094	3052.128	3042.971
15	2452.612	2354.345	2367.670	2575.991	2585.810	2611.990	2589.996
20	2000.494	1873.771	1898.728	2111.106	2123.001	2122.210	2088.254
25	1543.572	1434.458	1450.392	1636.110	1651.585	1657.924	1626.119
30	1000.991	1001.541	993.996	1092.088	1122.181	1212.716	1169.118
35	491.522	588.875	564.501	559.049	593.170	773.182	684.913
40	202.973	287.890	258.473	227.340	243.222	404.358	313.690
45	86.590	127.602	105.849	91.597	94.499	178.245	130.249
50	39.349	54.071	44.339	41.011	42.130	71.487	54.474
55	18.121	22.868	22.459	16.796	17.167	27.260	24.372
60	10.205	11.582	12.851	6.577	6.706	9.814	10.928

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65	8.042	7.823	8.236	3.573	3.820	4.890	5.572
70	7.120	5.750	6.042	2.618	2.930	2.574	3.401
75	6.746	6.637	6.388	1.728	1.936	1.668	1.387
80	7.999	8.332	8.544	1.853	1.667	1.492	1.396
85	9.317	10.311	9.494	1.619	1.310	0.984	1.259
90	12.411	11.699	11.109	1.363	1.461	0.519	1.837
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	1021.04	N.A.	44.40
0-30	1754.33	N.A.	76.20
0-40	2155.69	N.A.	93.60
0-60	2283.88	N.A.	99.20
0-80	2294.68	N.A.	99.70
0-90	2300.52	N.A.	99.90
10-90	1993.9	N.A.	86.60
20-40	1134.65	N.A.	49.30
20-50	1240.69	N.A.	53.90
40-70	134.46	N.A.	5.80
60-80	10.80	N.A.	0.50
70-80	4.53	N.A.	0.20
80-90	5.84	N.A.	0.30
90-110	1.67	N.A.	0.10
90-120	1.67	N.A.	0.10
90-130	1.67	N.A.	0.10
90-150	1.67	N.A.	0.10
90-180	1.67	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2302.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	306.62
10-20	714.42
20-30	733.29
30-40	401.36
40-50	106.04
50-60	22.15
60-70	6.27
70-80	4.53
80-90	5.84
90-100	1.67
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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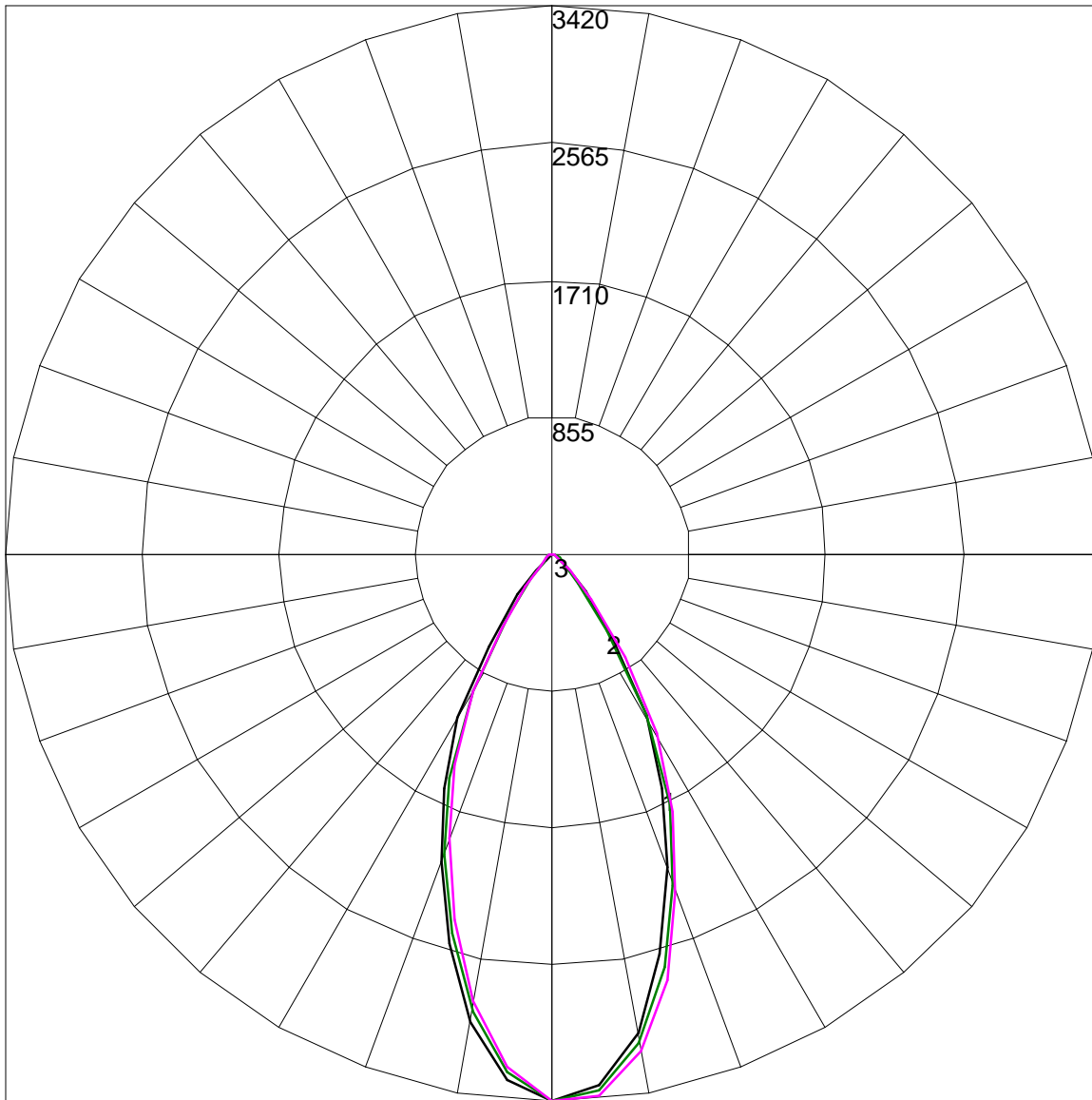
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	62	58	55	54

POLAR GRAPH



Maximum Candela = 3419.614 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)