

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_11 ~ C0611SQXT-13LXXK-WDEX-TCY-SOMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00618_11_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/26/2018

[LUMCAT] C0611SQXT-13L-xxK-WD-EX-TCY-SO-xx-MW

[LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight

[OTHER] Upper, Internal Reflector, Wide Beam

[OTHER] Lower Trim, Same Color as Cylinder - Matte White

[OTHER] Solite Lens, Flush with Lower Trim

[OTHER] 43.7 Degree Beam Angle

[LAMPCAT] N/A

[LAMP] N/A, 19mm LES

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available CCT's

[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	1125
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.32 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7195	7643	6858
55	4045	4502	3911
65	3800	3884	3667
75	4197	3650	4542
85	3121	2575	3520

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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	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143
5	1774.240	1771.243	1772.322	1782.948	1775.309	1774.082	1774.730	1776.630	1772.249	1769.259
10	1602.506	1597.533	1604.044	1612.844	1607.286	1611.253	1609.750	1610.580	1603.094	1599.848
15	1339.188	1334.079	1346.629	1353.045	1347.983	1358.046	1357.863	1355.354	1344.257	1343.898
20	1039.240	1039.664	1056.564	1048.443	1041.828	1060.531	1070.536	1060.731	1037.829	1048.885
25	717.539	762.457	800.074	752.547	705.115	756.169	811.822	777.038	702.869	749.170
30	352.592	460.461	572.159	408.961	347.600	421.038	575.335	452.916	345.097	397.432
35	143.011	183.217	322.059	147.828	130.345	171.928	321.720	186.582	128.222	158.433
40	74.752	74.642	124.225	71.842	69.440	77.785	124.943	78.452	70.848	75.310
45	47.451	47.961	50.404	47.549	45.230	49.250	52.969	48.802	44.512	49.336
50	32.896	33.232	32.725	33.413	30.949	33.550	34.891	34.180	30.542	33.974
55	21.637	23.812	24.082	23.485	20.920	23.861	26.079	24.119	22.054	24.615
60	15.363	17.975	18.846	17.800	15.793	19.527	20.908	19.206	17.568	19.827
65	14.978	15.141	15.308	15.722	14.456	18.061	17.960	17.651	16.529	18.540
70	13.126	13.427	12.128	13.981	12.582	16.900	16.354	17.224	15.301	16.793
75	10.132	9.845	8.812	10.598	10.963	15.627	13.006	14.765	12.451	14.584
80	5.474	5.879	5.455	6.566	7.571	11.451	11.162	11.151	10.508	10.524
85	2.537	2.134	2.093	2.984	2.861	8.639	9.319	8.655	7.698	6.980
90	0.882	0.958	1.029	1.099	1.203	6.699	7.047	5.963	0.000	0.905
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	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143	1832.143
5	1763.158	1777.323	1776.632	1773.462	1777.066	1773.881	1774.240
10	1590.107	1600.219	1603.049	1601.724	1610.645	1605.160	1602.506
15	1333.457	1331.099	1337.332	1337.725	1353.800	1345.940	1339.188
20	1049.744	1036.581	1040.392	1048.558	1065.812	1054.500	1039.240
25	799.690	776.724	718.349	769.889	813.579	765.865	717.539
30	566.658	467.445	357.245	457.696	590.886	442.323	352.592
35	311.403	176.623	149.078	197.001	353.362	179.951	143.011
40	124.060	79.170	77.317	87.325	153.469	83.318	74.752
45	53.916	49.752	47.952	53.825	63.801	53.584	47.451

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50	36.152	34.389	31.285	35.966	38.864	36.105	32.896
55	27.453	26.753	22.145	24.803	27.714	25.441	21.637
60	21.851	18.388	17.198	18.747	21.150	19.525	15.363
65	19.304	18.150	14.932	15.269	16.162	16.101	14.978
70	16.288	16.474	14.337	13.560	12.531	13.689	13.126
75	12.693	12.226	12.414	8.331	9.044	9.602	10.132
80	10.018	9.204	8.536	4.597	5.046	4.975	5.474
85	7.360	6.184	6.873	1.582	2.109	2.443	2.537
90	0.000	0.000	0.000	0.000	0.000	0.000	0.882
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	536.30	N.A.	47.70
0-30	879.66	N.A.	78.20
0-40	1025.17	N.A.	91.10
0-60	1090.9	N.A.	96.90
0-80	1119.46	N.A.	99.50
0-90	1124.82	N.A.	100.00
10-90	960.86	N.A.	85.40
20-40	488.87	N.A.	43.40
20-50	531.99	N.A.	47.30
40-70	82.20	N.A.	7.30
60-80	28.56	N.A.	2.50
70-80	12.10	N.A.	1.10
80-90	5.36	N.A.	0.50
90-110	0.44	N.A.	0.00
90-120	0.44	N.A.	0.00
90-130	0.44	N.A.	0.00
90-150	0.44	N.A.	0.00
90-180	0.44	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1125.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.97
10-20	372.33
20-30	343.36
30-40	145.51
40-50	43.12
50-60	22.62
60-70	16.46
70-80	12.10
80-90	5.36
90-100	0.44
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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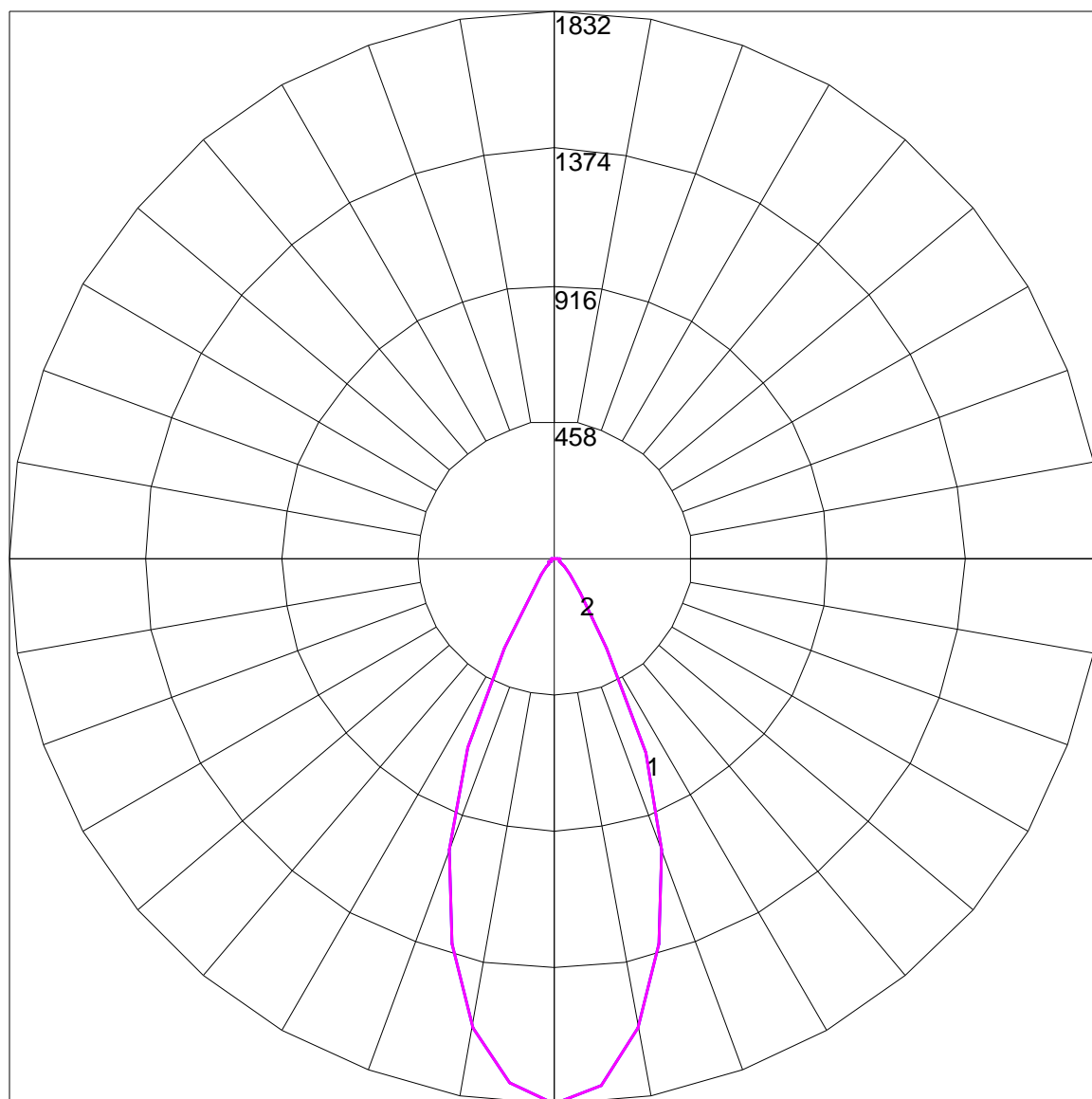
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	57	65	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 1832.143 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)