

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00618_18 ~ C0611SQXT-13LXXK-XWEX-TCY-NLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00618_18_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C0611SQXT-13L-xxK-XW-EX-TCY-NL-xx-MW
 [LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight
 [OTHER] Upper, Internal Reflector, Xtra Wide Beam
 [OTHER] Lower Trim, Same Color as Cylinder - Matte White
 [OTHER] No Lens, Flush with Lower Trim
 [OTHER] 52.8 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	1237
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.32 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_18 ~ C0611SQXT-13LXXK-XWEX-TCY-NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10677	10675	10637
55	4535	5709	4397
65	4339	4570	4065
75	4548	4721	5010
85	3196	4037	4832

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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	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407
5	1492.082	1485.745	1490.264	1495.114	1492.474	1497.810	1493.473	1494.917	1494.986	1494.827
10	1422.214	1414.361	1420.158	1434.803	1432.959	1437.735	1426.499	1428.876	1426.819	1427.369
15	1298.840	1292.491	1310.204	1326.430	1320.181	1334.004	1321.577	1317.772	1314.862	1321.999
20	1118.240	1115.309	1143.819	1163.777	1147.041	1160.145	1153.131	1140.016	1134.359	1157.770
25	878.948	926.388	967.475	943.599	874.050	951.922	973.289	944.090	885.163	934.500
30	453.365	575.763	757.113	552.660	437.688	568.630	769.970	581.083	443.120	557.030
35	192.017	208.163	398.592	243.007	205.871	224.806	424.440	224.013	201.559	226.929
40	115.237	110.787	128.272	124.748	119.424	125.450	138.264	124.734	121.405	126.584
45	70.413	68.896	70.404	75.787	70.154	76.944	76.534	76.206	71.947	76.996
50	41.240	43.158	45.026	45.566	40.614	46.211	47.186	45.915	40.629	45.981
55	24.260	27.690	30.540	27.835	23.522	29.006	30.682	27.963	23.955	28.765
60	18.115	19.937	21.918	19.243	16.688	20.764	22.375	20.609	18.171	20.792
65	17.102	17.536	18.014	17.110	16.023	18.656	19.674	18.725	17.306	18.683
70	15.158	15.580	14.887	15.926	14.320	18.343	17.758	18.314	16.947	18.517
75	10.978	11.661	11.396	13.211	12.094	17.151	15.879	15.888	14.755	16.574
80	6.291	6.337	6.727	8.097	8.321	13.949	12.551	13.320	12.140	12.947
85	2.598	2.602	3.282	4.358	3.928	10.651	10.324	10.167	9.033	9.367
90	0.000	0.000	0.936	1.507	1.158	7.898	7.155	7.009	6.784	6.720
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
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	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407	1517.407
5	1491.611	1487.543	1494.993	1496.939	1498.961	1492.889	1492.082
10	1425.073	1415.049	1427.650	1429.675	1436.815	1429.256	1422.214
15	1316.174	1285.875	1300.617	1302.173	1323.750	1314.159	1298.840
20	1152.913	1120.212	1130.749	1124.917	1151.116	1138.156	1118.240
25	975.368	928.731	867.225	921.891	972.363	927.179	878.948
30	756.901	560.855	469.624	573.034	767.751	576.586	453.365
35	431.259	238.666	210.828	225.548	471.784	228.232	192.017
40	162.720	118.508	121.104	121.227	192.157	123.982	115.237
45	77.214	72.769	73.095	75.062	81.887	78.337	70.413

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50	48.923	45.149	42.656	45.436	52.148	48.198	41.240
55	32.918	28.240	24.710	27.918	34.354	29.152	24.260
60	24.113	21.314	18.974	19.714	24.018	20.967	18.115
65	20.358	20.213	18.247	17.297	18.740	18.527	17.102
70	17.882	18.330	16.508	14.363	15.419	15.884	15.158
75	14.347	14.944	14.321	10.244	10.716	11.612	10.978
80	11.016	11.521	9.994	5.507	6.235	6.301	6.291
85	9.185	8.122	8.741	2.298	2.393	2.774	2.598
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	505.18	N.A.	40.80
0-30	914.30	N.A.	73.90
0-40	1107.97	N.A.	89.60
0-60	1197.21	N.A.	96.80
0-80	1229.41	N.A.	99.40
0-90	1236.06	N.A.	99.90
10-90	1095.58	N.A.	88.60
20-40	602.78	N.A.	48.70
20-50	664.80	N.A.	53.80
40-70	107.47	N.A.	8.70
60-80	32.20	N.A.	2.60
70-80	13.98	N.A.	1.10
80-90	6.64	N.A.	0.50
90-110	0.67	N.A.	0.10
90-120	0.67	N.A.	0.10
90-130	0.67	N.A.	0.10
90-150	0.67	N.A.	0.10
90-180	0.67	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	1236.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.47
10-20	364.71
20-30	409.12
30-40	193.67
40-50	62.02
50-60	27.23
60-70	18.22
70-80	13.98
80-90	6.64
90-100	0.67
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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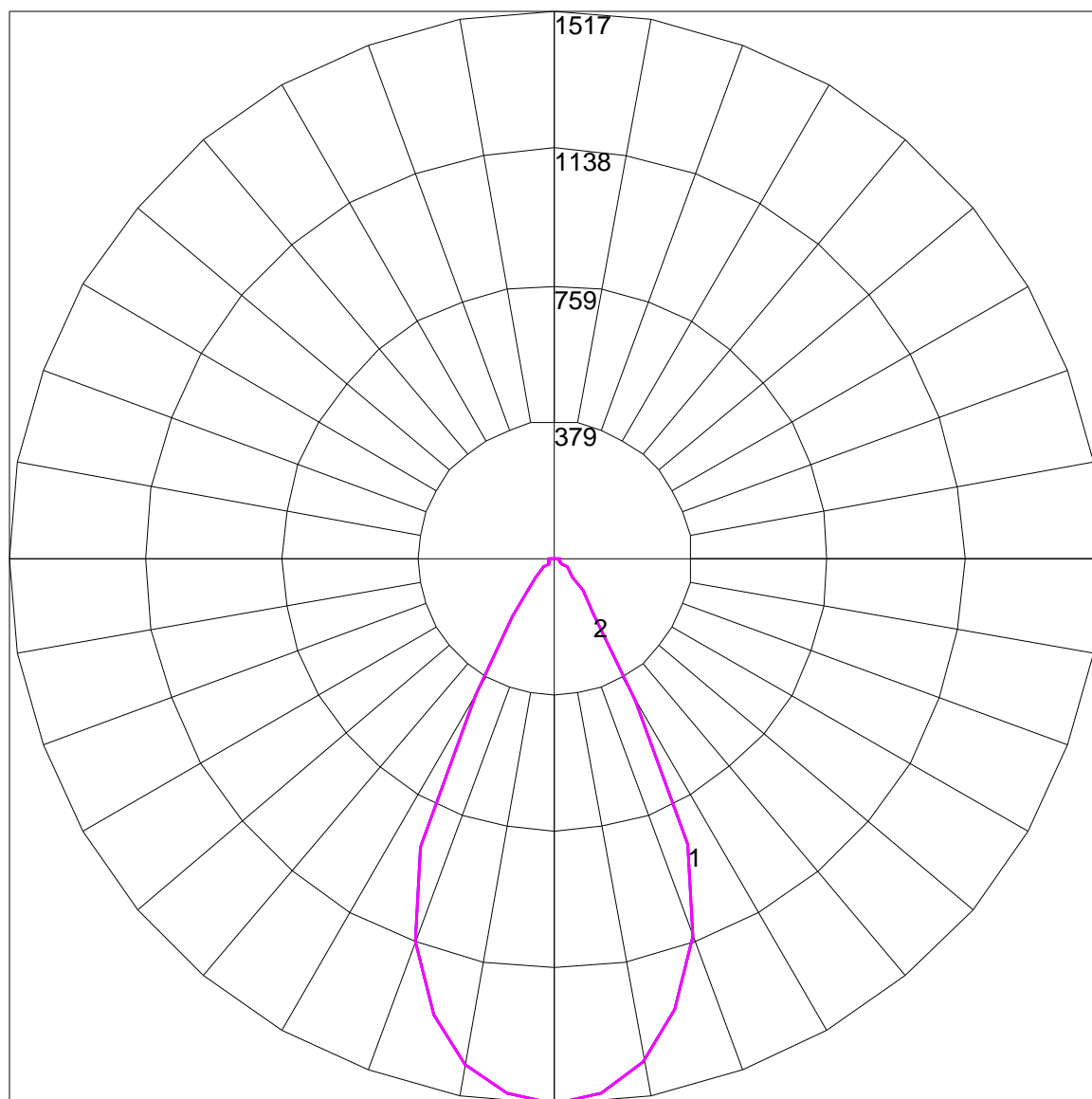
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

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POLAR GRAPH



Maximum Candela = 1517.407 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)