

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_10 ~ C0611SQXT-10LXXK-WDEX-TCY-NLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00618_10_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/26/2018

[LUMCAT] C0611SQXT-10L-xxK-WD-EX-TCY-NL-xx-MW

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

[OTHER] Upper, Internal Reflector, Wide Beam

[OTHER] Lower Trim, Semi-Diffuse Clear Anodized Alum.

[OTHER] No Lens, Flush with Lower Trim

[OTHER] 43.1 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	895
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	9.1
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00618_10 ~ C0611SQXT-10LXXK-WDEX-TCY-NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4867	4937	4559
55	2989	3388	2585
65	2857	3157	2812
75	3240	3150	3306
85	1748	2934	2890

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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	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982
5	1462.045	1461.230	1469.308	1472.208	1474.057	1467.936	1467.332	1467.429	1463.185	1457.396
10	1321.602	1320.211	1327.584	1334.206	1339.303	1334.070	1334.151	1333.808	1326.945	1318.753
15	1099.885	1099.319	1108.736	1114.957	1118.772	1119.071	1122.050	1118.771	1108.602	1103.978
20	843.601	845.288	856.383	850.089	846.039	861.176	869.815	860.179	847.061	848.097
25	575.317	625.816	639.686	599.541	567.419	602.166	653.915	616.711	550.786	587.285
30	268.493	360.654	468.252	305.774	243.262	316.815	474.357	336.820	241.753	286.868
35	95.554	132.654	252.043	90.479	80.764	108.530	247.632	120.003	87.290	101.449
40	50.003	51.957	71.206	48.882	47.173	51.325	81.673	51.473	48.424	50.629
45	32.099	33.708	32.558	32.119	30.069	34.040	34.349	33.145	30.358	33.781
50	21.823	23.613	23.018	21.767	19.907	23.701	24.461	23.231	20.030	23.083
55	15.988	17.245	18.127	16.307	13.829	17.352	18.134	17.200	14.457	16.461
60	12.699	14.313	14.892	13.724	11.156	14.039	15.089	13.997	12.632	13.661
65	11.261	12.711	12.443	12.254	11.085	13.492	14.394	13.661	12.416	13.472
70	10.558	11.441	10.470	11.236	10.420	13.467	13.286	13.160	12.635	13.160
75	7.822	8.508	7.605	9.080	7.981	13.150	10.492	11.936	10.687	11.574
80	4.323	5.222	4.542	5.320	5.450	10.172	8.913	9.211	8.514	9.208
85	1.421	1.795	2.385	2.184	2.349	7.395	6.616	6.405	6.044	6.550
90	0.660	0.654	0.900	0.691	1.001	5.188	5.290	5.335	2.179	0.000
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	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982	1512.982
5	1463.374	1469.706	1474.685	1469.182	1466.829	1462.993	1462.045
10	1324.584	1329.299	1336.411	1330.052	1330.292	1325.661	1321.602
15	1106.716	1101.307	1103.800	1104.861	1113.653	1107.509	1099.885
20	850.723	839.891	840.126	852.601	863.143	854.688	843.601
25	634.536	625.497	596.589	635.144	657.750	626.725	575.317
30	482.889	372.304	245.525	349.188	495.365	333.614	268.493
35	241.081	105.105	86.470	127.389	287.311	122.405	95.554
40	58.884	52.632	52.587	59.156	102.235	57.111	50.003
45	33.014	33.530	32.200	37.393	39.864	37.220	32.099

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50	24.625	23.954	21.290	25.221	27.319	25.157	21.823
55	18.656	17.963	14.432	17.373	19.889	18.312	15.988
60	15.326	14.784	12.356	14.211	15.660	14.945	12.699
65	14.014	14.084	12.927	13.344	12.902	13.107	11.261
70	12.162	13.140	10.979	11.176	10.908	11.520	10.558
75	10.731	10.051	9.630	7.214	7.050	8.725	7.822
80	7.549	7.737	6.754	3.783	4.282	4.363	4.323
85	5.824	5.989	5.192	1.704	1.516	1.490	1.421
90	0.000	0.000	0.000	0.000	0.000	0.000	0.660
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	441.94	N.A.	49.40
0-30	717.11	N.A.	80.10
0-40	823.12	N.A.	92.00
0-60	867.60	N.A.	96.90
0-80	890.33	N.A.	99.50
0-90	894.71	N.A.	100.00
10-90	759.06	N.A.	84.80
20-40	381.17	N.A.	42.60
20-50	409.75	N.A.	45.80
40-70	57.32	N.A.	6.40
60-80	22.73	N.A.	2.50
70-80	9.89	N.A.	1.10
80-90	4.38	N.A.	0.50
90-110	0.37	N.A.	0.00
90-120	0.37	N.A.	0.00
90-130	0.37	N.A.	0.00
90-150	0.37	N.A.	0.00
90-180	0.37	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	895.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.64
10-20	306.30
20-30	275.17
30-40	106.01
40-50	28.58
50-60	15.90
60-70	12.84
70-80	9.89
80-90	4.38
90-100	0.37
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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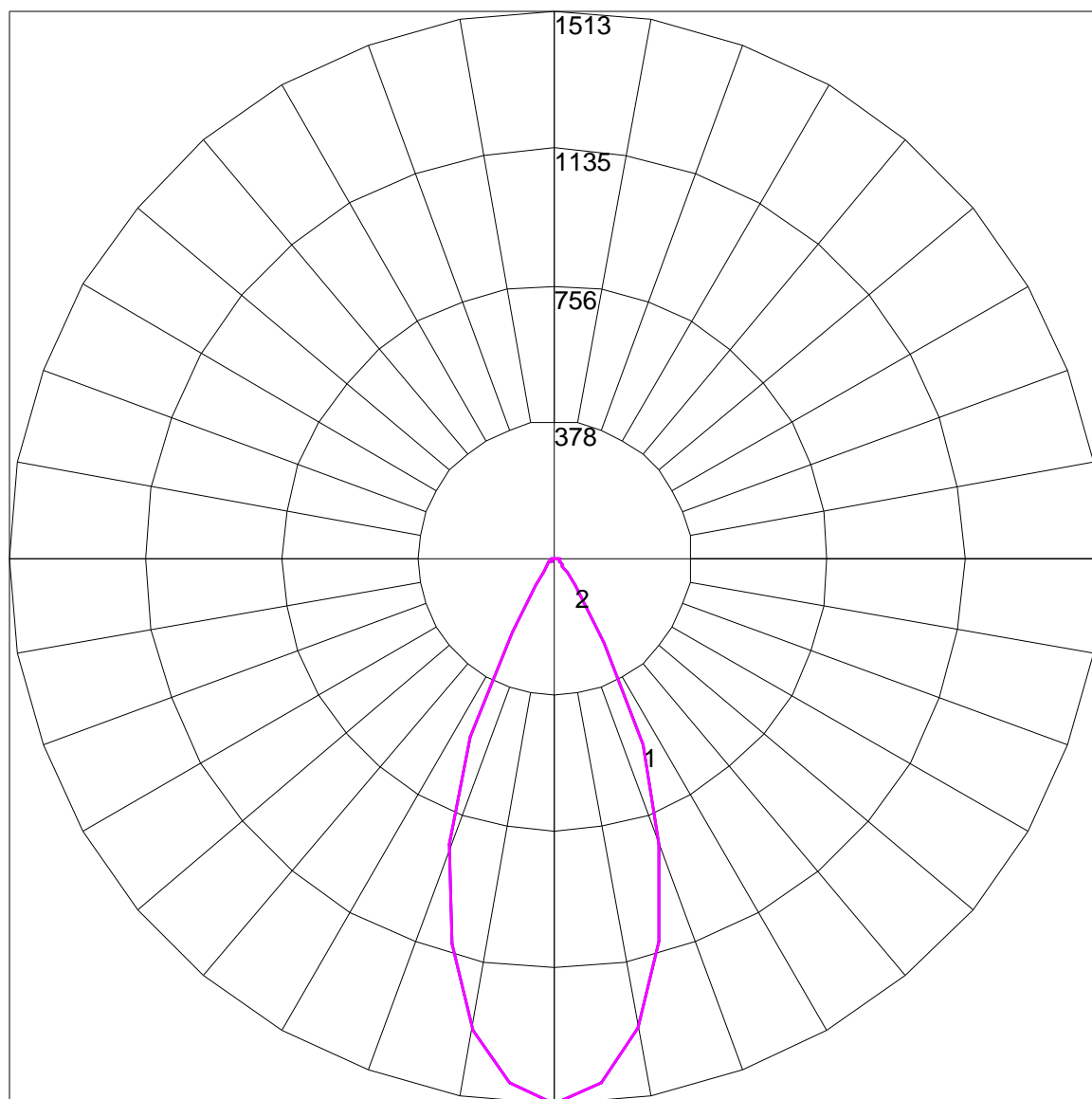
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	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	79	75	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	58	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 1512.982 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)