

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00618_3 ~ C0611SQXT-10LXXK-MDEX-TCY-SOMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00618_3_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C0611SQXT-10L-xxK-MD-EX-TCY-SO-xx-MW
 [LUMINAIRE] Nom. 6" Square, LED Cylinder Downlight
 [OTHER] Upper, Internal Reflector, Medium Beam
 [OTHER] Lower Trim, Same Color as Cylinder - Matte White
 [OTHER] Solite Lens, Flush with Lower Trim
 [OTHER] 38.6 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	853
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.68
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	4112	4473	3855
55	3002	3068	2683
65	2895	2924	2496
75	2820	3190	3304
85	2096	3153	3378

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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	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679
5	1574.238	1568.420	1585.492	1584.921	1589.812	1588.543	1580.172	1583.308	1577.173	1572.405
10	1358.902	1351.476	1365.283	1373.453	1377.356	1376.973	1371.557	1372.613	1363.824	1361.263
15	1074.154	1069.722	1079.545	1089.938	1091.778	1093.935	1094.383	1089.133	1080.109	1080.358
20	791.199	797.550	808.002	803.384	796.716	806.747	819.875	807.198	787.277	795.862
25	513.113	559.628	582.430	527.078	494.670	531.056	588.985	555.424	488.840	521.721
30	240.931	314.111	394.430	270.032	200.735	268.515	393.096	309.675	204.700	255.332
35	80.066	119.440	207.988	94.751	68.609	92.711	206.099	114.863	73.185	91.115
40	40.407	45.415	68.732	42.728	39.204	42.050	77.604	44.535	38.813	42.375
45	27.121	27.936	29.500	27.825	25.422	28.051	31.701	28.370	26.405	28.592
50	20.312	20.747	20.891	20.529	18.395	20.573	20.511	20.868	18.495	21.563
55	16.062	16.382	16.411	15.716	14.351	16.479	16.271	16.259	14.653	16.801
60	13.059	12.965	13.675	12.800	11.307	14.149	13.650	12.938	12.666	13.778
65	11.410	11.311	11.526	11.257	9.840	12.526	12.455	12.047	10.320	12.747
70	9.510	10.400	10.046	9.684	9.523	11.918	11.836	11.763	11.060	11.782
75	6.807	7.522	7.700	7.837	7.976	11.695	10.706	10.843	10.174	10.292
80	4.049	4.335	4.722	4.993	5.382	9.007	8.812	7.872	8.112	7.551
85	1.704	1.801	2.563	2.820	2.746	7.673	7.173	6.306	5.934	5.474
90	0.682	0.567	0.919	0.784	0.994	5.768	4.758	4.781	0.057	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. Angles **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	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679	1660.679
5	1583.703	1583.117	1592.213	1589.424	1581.929	1578.435	1574.238
10	1367.627	1369.026	1378.160	1377.674	1373.575	1365.196	1358.902
15	1080.167	1079.968	1090.487	1087.656	1094.353	1082.607	1074.154
20	804.245	803.947	799.735	806.247	819.969	805.528	791.199
25	580.072	569.853	520.810	568.713	593.665	555.828	513.113
30	399.957	331.133	240.811	315.610	408.328	288.982	240.931
35	209.170	117.315	79.890	107.762	233.779	102.341	80.066
40	68.640	47.428	42.505	47.387	95.263	45.969	40.407
45	32.653	30.285	28.449	30.422	37.450	30.207	27.121

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50	23.318	22.859	21.141	22.944	24.188	22.607	20.312
55	18.220	18.292	16.450	17.842	19.994	18.533	16.062
60	15.295	15.220	13.273	14.113	16.419	14.376	13.059
65	12.853	13.648	12.223	12.511	12.956	12.085	11.410
70	11.826	12.373	11.103	9.953	10.198	10.030	9.510
75	9.731	9.745	9.170	7.503	7.087	7.641	6.807
80	7.450	7.110	6.789	3.523	3.991	4.104	4.049
85	5.222	5.733	4.761	1.562	1.891	1.625	1.704
90	0.000	0.000	0.000	0.000	0.000	0.000	0.682
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	445.52	N.A.	52.20
0-30	694.62	N.A.	81.40
0-40	787.02	N.A.	92.20
0-60	827.62	N.A.	97.00
0-80	848.81	N.A.	99.50
0-90	853.02	N.A.	100.00
10-90	708.68	N.A.	83.00
20-40	341.50	N.A.	40.00
20-50	366.77	N.A.	43.00
40-70	52.62	N.A.	6.20
60-80	21.19	N.A.	2.50
70-80	9.17	N.A.	1.10
80-90	4.21	N.A.	0.50
90-110	0.33	N.A.	0.00
90-120	0.33	N.A.	0.00
90-130	0.33	N.A.	0.00
90-150	0.33	N.A.	0.00
90-180	0.33	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	853.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.34
10-20	301.18
20-30	249.10
30-40	92.40
40-50	25.27
50-60	15.33
60-70	12.02
70-80	9.17
80-90	4.21
90-100	0.33
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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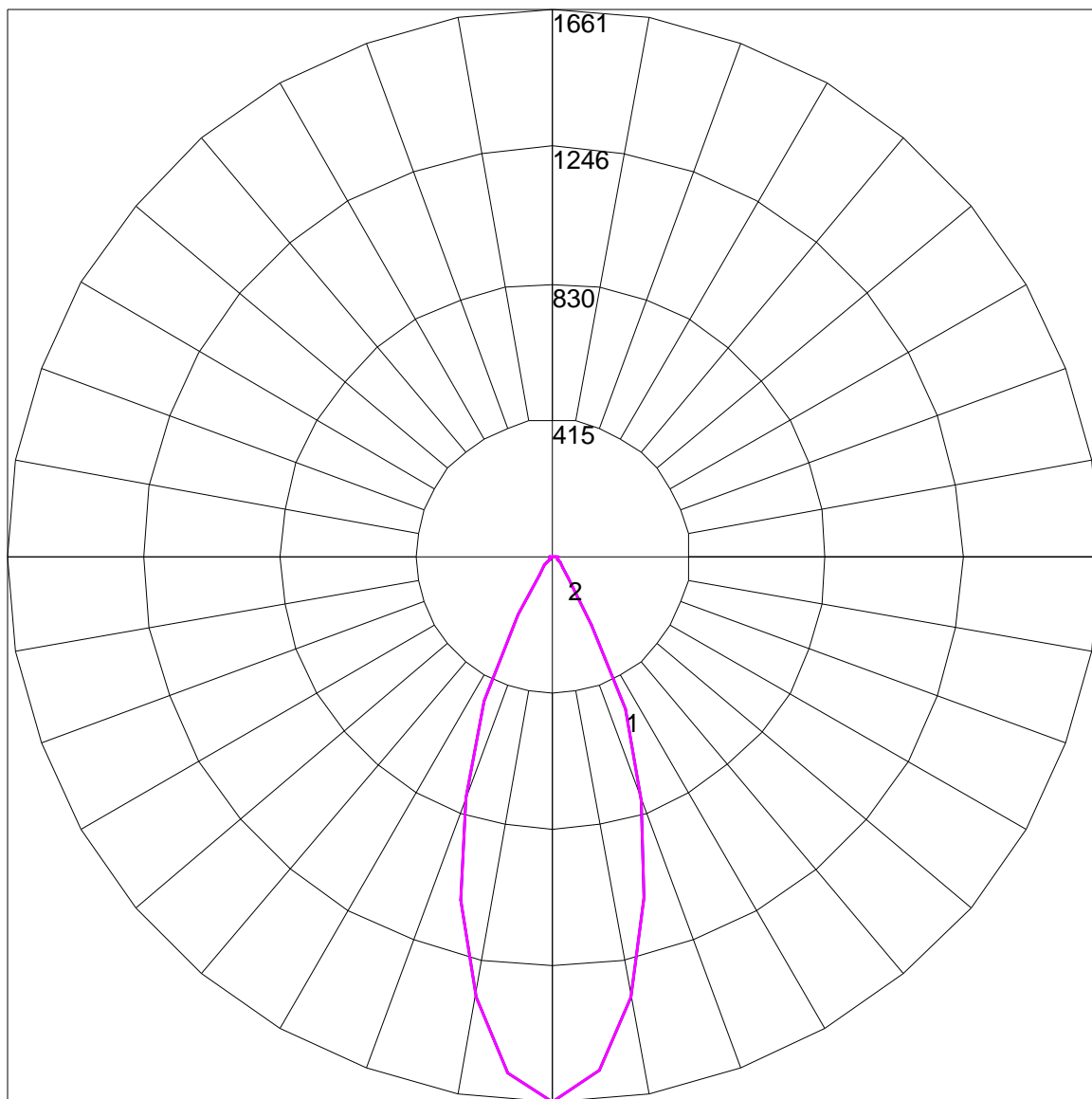
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	99	92	87	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 1660.679 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)