

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-13LMDGL-13LMD-XXKEX-TCY-SOMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_3_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-13L-MD-GL-13L-MD-xxK-EX-TCY-SO-MW (Up/Down)
 [LUMINAIRE] Nom. 6" Square x 18" H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H variant
 [OTHER] Uplight: Medium Beam, Flush Clear Glass lens
 [OTHER] Uplight: 30 Degree Beam Angle
 [OTHER] Downlight: Medium Beam, Regressed Solite lens
 [OTHER] Downlight: 38.6 Degree Beam Angle
 [OTHER] Trim: Same Color as Cylinder, Matte White
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES indirect
 [OTHER] N/A, 19mm LES direct
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] See Catalog cut sheet for different source lumen multipliers
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1852
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Semi-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)	0.35 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4539	4937	4255
55	3314	3386	2961
65	3195	3228	2755
75	3113	3521	3647
85	2314	3481	3729

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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>
0.0	2238.767	2238.767	2238.767	2238.767	2238.767
2.5	2180.502	2176.580	2188.087	2187.702	2190.998
5.0	2122.236	2114.393	2137.407	2136.638	2143.230
7.5	1977.088	1968.162	1988.975	1994.097	2000.025
10.0	1831.940	1821.930	1840.543	1851.556	1856.819
12.5	1640.006	1632.013	1647.940	1660.452	1664.324
15.0	1448.071	1442.096	1455.338	1469.348	1471.829
17.5	1257.344	1258.638	1272.304	1276.197	1272.943
20.0	1066.618	1075.180	1089.270	1083.045	1074.056
22.5	879.174	914.809	937.223	896.800	870.461
25.0	691.729	754.437	785.177	710.555	666.866
27.5	508.264	588.945	658.455	537.293	468.739
30.0	324.800	423.454	531.732	364.031	270.611
32.5	216.369	292.235	406.061	245.883	181.551
35.0	107.938	161.017	280.390	127.734	92.491
37.5	81.205	111.120	186.524	92.668	72.671
40.0	54.473	61.223	92.658	57.602	52.851
42.5	45.518	49.442	66.214	47.557	43.561
45.0	36.562	37.661	39.769	37.511	34.271
47.5	31.972	32.815	33.966	32.593	29.535
50.0	27.382	27.969	28.163	27.675	24.797
52.5	24.518	25.027	25.144	24.431	22.073
55.0	21.653	22.084	22.124	21.187	19.347
57.5	19.629	19.781	20.280	19.222	17.295
60.0	17.605	17.478	18.435	17.256	15.243
62.5	16.493	16.364	16.987	16.216	14.254
65.0	15.382	15.249	15.538	15.176	13.265
67.5	14.102	14.635	14.540	14.116	13.052
70.0	12.821	14.020	13.543	13.055	12.838
72.5	10.999	12.080	11.961	11.810	11.796
75.0	9.177	10.140	10.380	10.565	10.752
77.5	7.318	7.992	8.373	8.649	9.004
80.0	5.458	5.845	6.365	6.732	7.256
82.5	3.878	4.137	4.911	5.267	5.479
85.0	2.297	2.428	3.456	3.802	3.702
87.5	1.608	1.596	2.348	2.429	2.521
90.0	0.919	0.764	1.239	1.056	1.340
92.5	5.800	5.687	4.534	4.809	4.594
95.0	6.222	4.843	5.269	4.417	4.020
97.5	4.827	4.987	4.390	3.772	4.015
100.0	4.445	4.477	3.873	3.477	3.265
102.5	4.446	4.002	3.396	3.321	2.665
105.0	4.165	3.722	2.814	2.954	2.254
107.5	3.295	2.965	2.996	2.730	1.945
110.0	3.011	2.578	2.916	2.487	1.966
112.5	2.855	2.454	2.645	2.229	1.990
115.0	2.639	2.228	2.231	1.862	1.863
117.5	2.469	1.984	1.792	1.479	1.776
120.0	2.443	2.202	1.958	2.257	1.768
122.5	2.642	2.443	2.144	2.998	1.977
125.0	3.329	2.974	2.382	3.160	2.502

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127.5	4.001	3.577	2.832	3.535	3.617
130.0	4.653	4.755	5.008	5.315	5.378
132.5	5.904	6.126	7.326	7.626	9.095
135.0	7.902	8.393	10.342	12.132	14.477
137.5	11.123	11.366	14.368	17.390	20.953
140.0	15.509	16.606	21.642	24.799	28.145
142.5	36.984	33.129	43.300	47.176	60.601
145.0	71.219	75.341	98.363	100.444	105.428
147.5	149.382	146.596	182.743	188.849	226.764
150.0	252.260	266.744	318.150	332.968	376.163
152.5	339.466	367.669	428.600	455.972	505.906
155.0	420.079	443.422	506.273	553.597	630.707
157.5	497.314	525.130	596.723	660.551	757.231
160.0	573.527	612.784	700.331	776.061	884.021
162.5	681.116	718.923	818.226	904.809	1032.054
165.0	794.897	839.336	947.342	1043.067	1181.764
167.5	933.192	973.833	1085.872	1184.708	1322.595
170.0	1074.239	1116.666	1229.990	1328.176	1460.109
172.5	1225.088	1255.914	1355.735	1439.455	1544.728
175.0	1375.170	1393.593	1473.142	1537.793	1620.505
177.5	1488.693	1495.251	1544.228	1584.281	1632.667
180.0	1619.800	1619.800	1619.800	1619.800	1619.800

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Zone	Lumens	%Lamp	%Fixt
0-20	595.41	N.A.	32.20
0-30	927.45	N.A.	50.10
0-40	1049.76	N.A.	56.70
0-60	1101.67	N.A.	59.50
0-80	1127.36	N.A.	60.90
0-90	1131.1	N.A.	61.10
10-90	938.04	N.A.	50.70
20-40	454.34	N.A.	24.50
20-50	486.64	N.A.	26.30
40-70	67.00	N.A.	3.60
60-80	25.70	N.A.	1.40
70-80	10.61	N.A.	0.60
80-90	3.73	N.A.	0.20
90-110	8.00	N.A.	0.40
90-120	10.18	N.A.	0.50
90-130	12.93	N.A.	0.70
90-150	92.75	N.A.	5.00
90-180	720.50	N.A.	38.90
110-180	712.51	N.A.	38.50
0-180	1851.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.06
10-20	402.35
20-30	332.04
30-40	122.31
40-50	32.30
50-60	19.61
60-70	15.09
70-80	10.61
80-90	3.73
90-100	4.59
100-110	3.40
110-120	2.19
120-130	2.75
130-140	8.66
140-150	71.16
150-160	230.22
160-170	264.59
170-180	132.95

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

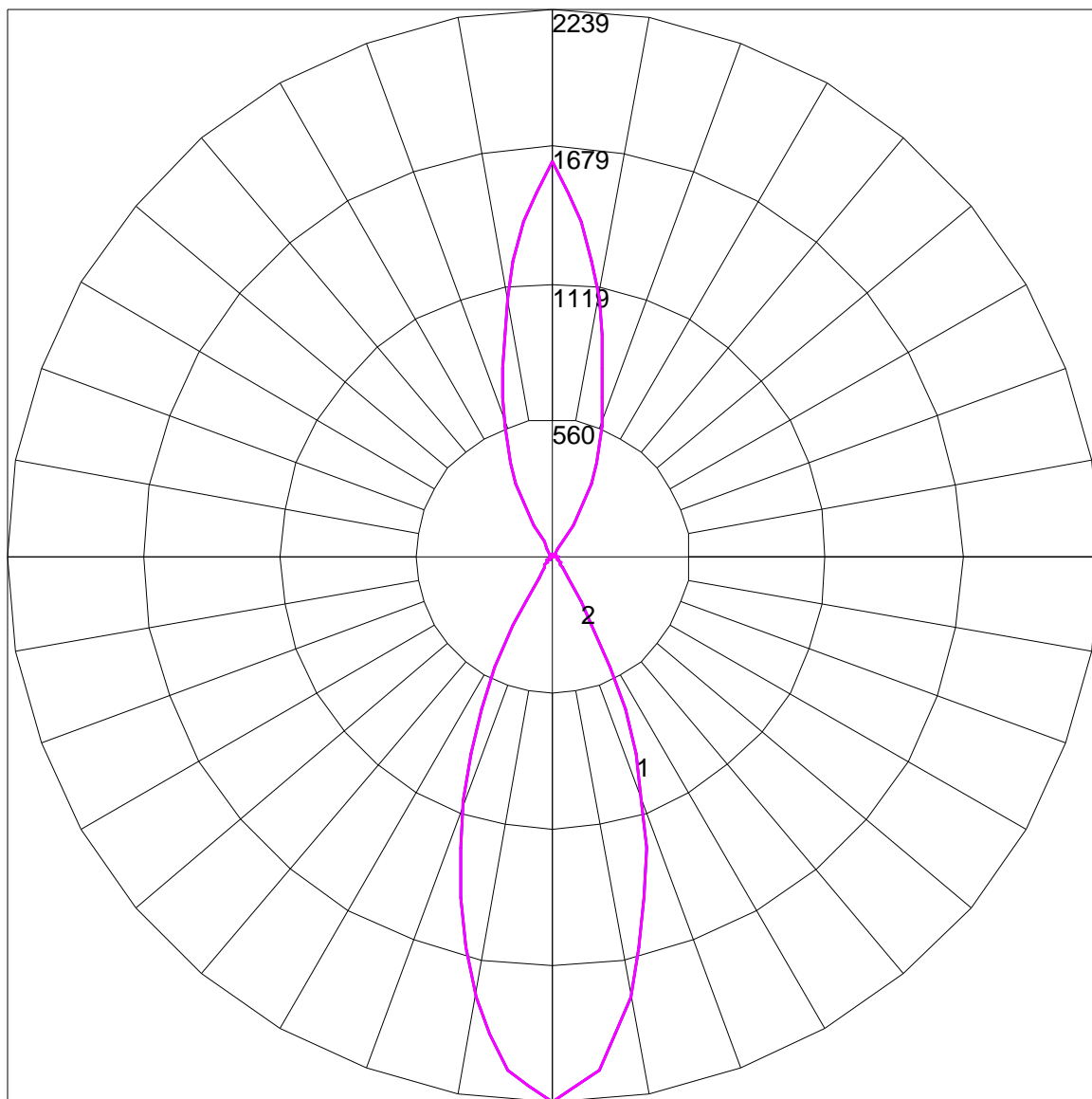
Effective Floor Cavity Reflectance 0.20

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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	103	100	97	94	97	94	92	89	83	81	80	73	71	70	63	62	62	57
2	97	91	87	83	91	86	82	79	77	74	72	68	66	64	60	59	58	54
3	91	84	79	74	86	80	75	71	72	68	65	64	62	59	57	55	54	51
4	86	78	72	67	81	74	69	65	67	63	60	60	58	55	54	52	51	48
5	81	72	66	62	77	69	64	60	63	59	56	57	54	52	52	49	48	45
6	77	67	61	57	73	65	59	55	59	55	52	54	51	48	49	47	45	43
7	73	63	57	53	69	61	55	51	56	52	48	51	48	46	47	45	43	41
8	69	59	53	49	66	57	52	48	53	49	45	49	45	43	45	43	41	39
9	66	56	50	46	63	54	49	45	50	46	43	47	43	41	43	41	39	37
10	63	53	47	43	60	51	46	42	48	44	41	44	41	39	41	39	37	35

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POLAR GRAPH



Maximum Candela = 2238.767 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)