

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-10LWDGL-10LWD-XXKEX-TCY-SOMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_4_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-10L-WD-GL-10L-WD-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: Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 40 Degree Beam Angle
 [OTHER] Downlight: Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 43.8 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	1428
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	18.2
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	4375	4648	4171
55	2460	2738	2378
65	2311	2362	2230
75	2553	2220	2762
85	1899	1566	2140

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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	1360.798	1360.798	1360.798	1360.798	1360.798
2.5	1339.295	1338.182	1338.583	1342.529	1339.692
5.0	1317.791	1315.566	1316.367	1324.260	1318.586
7.5	1254.016	1251.056	1253.874	1261.089	1256.188
10.0	1190.239	1186.546	1191.381	1197.917	1193.789
12.5	1092.451	1088.707	1095.785	1101.436	1097.493
15.0	994.663	990.869	1000.190	1004.955	1001.196
17.5	883.272	881.532	892.469	891.836	887.499
20.0	771.881	772.196	784.748	778.716	773.803
22.5	652.411	669.250	689.496	668.830	648.759
25.0	532.942	566.304	594.244	558.944	523.714
27.5	397.413	454.153	509.603	431.347	390.945
30.0	261.883	342.001	424.963	303.750	258.175
32.5	184.051	239.042	332.084	206.773	177.493
35.0	106.219	136.082	239.205	109.797	96.812
37.5	80.870	95.760	165.736	81.579	74.194
40.0	55.521	55.439	92.267	53.360	51.576
42.5	45.383	45.531	64.852	44.338	42.585
45.0	35.243	35.622	37.437	35.317	33.594
47.5	29.838	30.152	30.871	30.067	28.291
50.0	24.433	24.683	24.306	24.817	22.987
52.5	20.252	21.184	21.096	21.130	19.263
55.0	16.071	17.686	17.887	17.443	15.538
57.5	13.741	15.518	15.942	15.332	13.634
60.0	11.411	13.351	13.997	13.220	11.730
62.5	11.268	12.298	12.683	12.449	11.234
65.0	11.125	11.246	11.370	11.677	10.737
67.5	10.437	10.609	10.189	11.031	10.041
70.0	9.749	9.972	9.008	10.384	9.345
72.5	8.637	8.642	7.776	9.127	8.744
75.0	7.526	7.312	6.545	7.871	8.143
77.5	5.796	5.840	5.299	6.374	6.883
80.0	4.066	4.367	4.052	4.877	5.623
82.5	2.975	2.976	2.803	3.547	3.874
85.0	1.885	1.585	1.555	2.216	2.125
87.5	1.270	1.148	1.159	1.516	1.509
90.0	0.655	0.712	0.764	0.816	0.894
92.5	3.833	4.368	4.127	3.539	3.294
95.0	3.142	3.943	3.862	3.294	3.557
97.5	2.516	3.513	3.083	2.805	3.811
100.0	2.454	2.998	2.867	2.404	2.435
102.5	2.197	2.344	2.913	2.268	2.442
105.0	2.029	2.287	2.657	2.099	2.448
107.5	1.912	2.179	1.970	1.613	2.314
110.0	1.810	2.017	1.411	1.592	1.920
112.5	1.733	1.833	1.561	1.700	1.638
115.0	1.775	1.640	1.577	1.486	1.417
117.5	1.900	1.709	1.395	1.365	1.407
120.0	2.322	1.832	1.578	1.792	1.435
122.5	2.840	2.396	2.183	2.257	1.934
125.0	3.643	3.029	3.164	2.887	2.474

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127.5	4.908	5.030	4.521	3.958	3.719
130.0	7.348	7.193	6.868	6.629	4.994
132.5	10.568	10.643	10.098	9.682	8.689
135.0	15.464	14.191	14.938	13.887	12.478
137.5	24.123	21.854	21.020	19.612	18.934
140.0	39.648	29.661	34.887	29.151	26.123
142.5	83.951	78.837	54.008	52.862	46.062
145.0	174.652	129.871	121.892	107.579	72.776
147.5	257.026	232.572	218.474	180.253	170.781
150.0	327.842	332.176	302.354	286.327	267.262
152.5	390.390	385.986	379.851	375.154	352.855
155.0	442.880	441.050	444.796	436.505	436.073
157.5	506.912	507.962	504.309	504.676	506.367
160.0	583.269	577.275	580.176	582.480	580.281
162.5	663.971	662.408	662.083	664.518	669.882
165.0	748.689	745.739	743.051	751.721	757.069
167.5	825.106	819.892	823.733	829.734	835.876
170.0	894.782	889.505	886.072	897.905	907.153
172.5	948.156	940.550	943.683	949.591	956.116
175.0	989.932	984.670	978.158	985.765	996.095
177.5	1013.196	1005.925	1007.931	1006.593	1013.894
180.0	1022.417	1022.417	1022.417	1022.417	1022.417

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Zone	Lumens	%Lamp	%Fixt
0-20	396.42	N.A.	27.80
0-30	648.88	N.A.	45.50
0-40	753.88	N.A.	52.80
0-60	800.35	N.A.	56.10
0-80	819.25	N.A.	57.40
0-90	821.69	N.A.	57.60
10-90	700.35	N.A.	49.10
20-40	357.47	N.A.	25.00
20-50	387.92	N.A.	27.20
40-70	57.70	N.A.	4.00
60-80	18.90	N.A.	1.30
70-80	7.66	N.A.	0.50
80-90	2.44	N.A.	0.20
90-110	5.75	N.A.	0.40
90-120	7.37	N.A.	0.50
90-130	10.48	N.A.	0.70
90-150	107.64	N.A.	7.50
90-180	605.90	N.A.	42.40
110-180	600.15	N.A.	42.00
0-180	1427.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.34
10-20	275.08
20-30	252.46
30-40	105.01
40-50	30.45
50-60	16.01
60-70	11.24
70-80	7.66
80-90	2.44
90-100	3.38
100-110	2.37
110-120	1.63
120-130	3.11
130-140	12.23
140-150	84.93
150-160	200.85
160-170	206.27
170-180	91.14

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

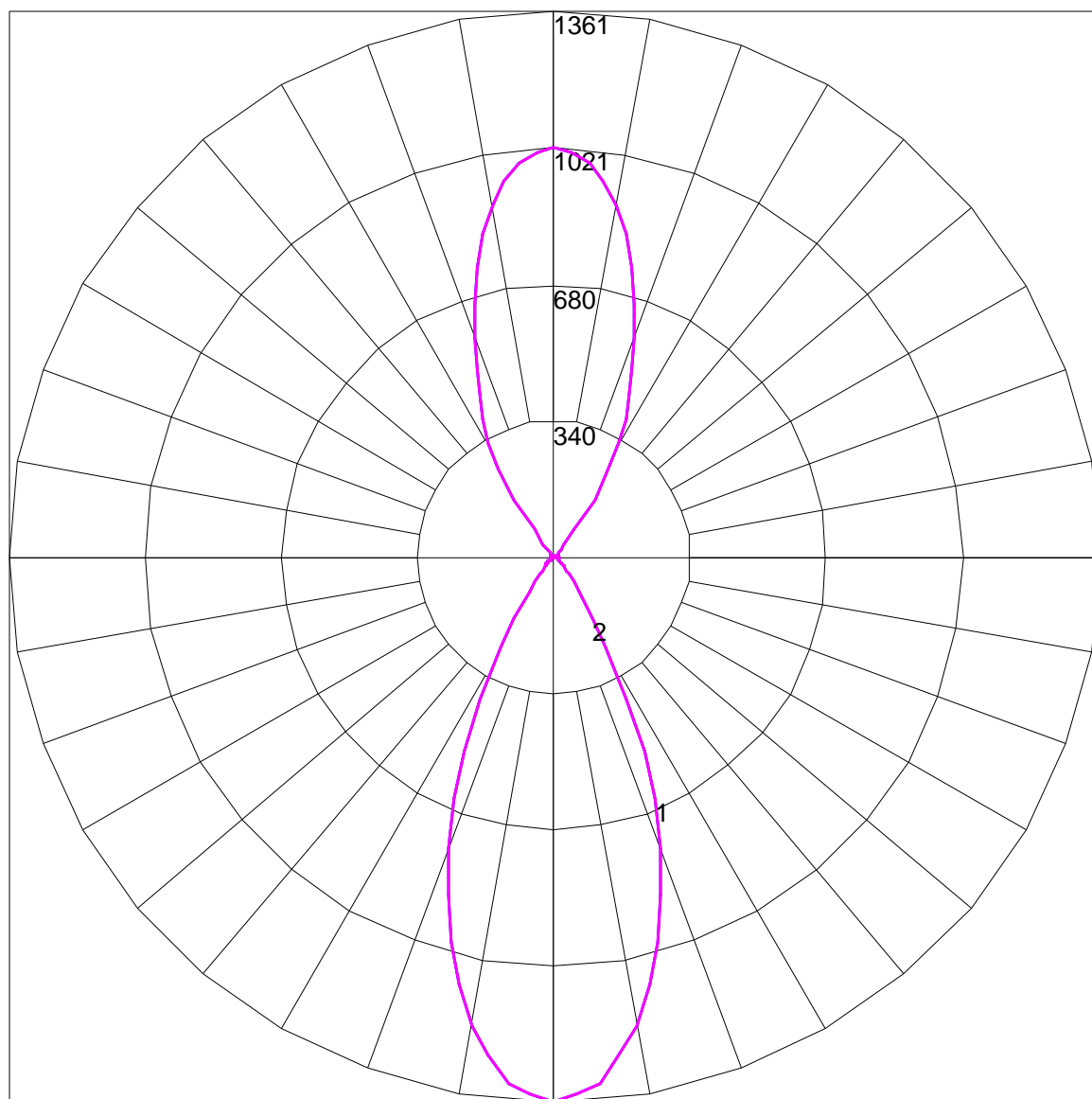
Effective Floor Cavity Reflectance 0.20

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	109	109	109	109	101	101	101	101	88	88	88	75	75	75	63	63	63	58
1	102	99	96	93	95	92	90	88	81	79	77	70	69	68	60	59	58	54
2	96	90	85	81	89	85	81	77	75	72	69	65	63	62	57	55	54	50
3	90	82	77	72	84	78	73	69	69	66	63	61	59	56	54	52	51	47
4	84	76	70	65	79	72	67	62	64	60	57	57	55	52	51	49	47	44
5	79	70	64	59	75	67	61	57	60	56	53	54	51	48	48	46	44	42
6	75	65	59	54	70	62	57	52	56	52	49	51	48	45	46	44	42	39
7	71	61	55	50	67	58	53	48	53	49	45	48	45	42	44	41	39	37
8	67	57	51	46	63	55	49	45	50	46	42	46	42	40	42	39	37	35
9	63	54	47	43	60	51	46	42	47	43	40	43	40	38	40	37	35	33
10	60	50	44	41	57	48	43	40	45	40	38	41	38	36	38	35	34	32

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POLAR GRAPH



Maximum Candela = 1360.798 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)