

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-13LXWGL-13LXW-XXKEX-TCY-SOMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 2/9/2018
 [LUMCAT] C06xxSQUDXT-13L-XW-GL-13L-XW-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: Xtra Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 50 Degree Beam Angle
 [OTHER] Downlight: Xtra Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 50.4 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	1844
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	26
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	8236	8015	7987
55	3323	4362	3764
65	2887	3299	3179
75	2815	2825	3125
85	2046	1668	2041

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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	1369.634	1369.634	1369.634	1369.634	1369.634
2.5	1351.221	1349.493	1346.927	1351.962	1353.947
5.0	1332.807	1329.351	1324.218	1334.288	1338.258
7.5	1297.194	1291.173	1284.030	1296.831	1300.217
10.0	1261.580	1252.995	1243.842	1259.374	1262.176
12.5	1200.170	1194.012	1182.485	1195.419	1197.581
15.0	1138.761	1135.028	1121.128	1131.464	1132.985
17.5	1054.247	1058.487	1043.200	1050.772	1046.625
20.0	969.732	981.946	965.271	970.081	960.266
22.5	836.010	876.978	875.537	861.593	830.285
25.0	702.287	772.010	785.803	753.106	700.303
27.5	525.473	601.320	667.730	594.673	536.254
30.0	348.659	430.628	549.657	436.240	372.204
32.5	262.373	309.353	419.490	314.332	273.194
35.0	176.087	188.077	289.322	192.423	174.184
37.5	142.308	147.885	203.949	148.583	138.074
40.0	108.529	107.694	118.574	104.743	101.963
42.5	87.435	87.712	91.567	85.397	83.148
45.0	66.342	67.730	64.559	66.051	64.332
47.5	52.306	54.810	53.390	53.893	52.035
50.0	38.270	41.889	42.220	41.736	39.738
52.5	29.990	33.937	35.362	34.588	32.166
55.0	21.710	25.984	28.503	27.441	24.593
57.5	18.632	22.174	24.454	23.422	21.263
60.0	15.554	18.364	20.405	19.402	17.933
62.5	14.726	16.994	18.144	17.468	16.620
65.0	13.897	15.623	15.883	15.533	15.306
67.5	12.763	14.155	14.179	14.163	14.225
70.0	11.630	12.687	12.474	12.792	13.143
72.5	9.964	10.762	10.401	10.239	11.179
75.0	8.299	8.837	8.328	7.686	9.214
77.5	6.739	6.877	6.495	6.316	7.045
80.0	5.178	4.917	4.662	4.946	4.875
82.5	3.605	3.637	3.159	3.382	3.451
85.0	2.031	2.356	1.656	1.817	2.026
87.5	1.584	1.656	1.206	1.365	1.439
90.0	1.136	0.955	0.755	0.912	0.851
92.5	4.802	5.218	4.508	4.417	4.546
95.0	5.308	5.218	4.361	4.435	5.048
97.5	4.894	5.204	4.178	4.413	4.114
100.0	3.793	4.642	3.688	3.996	4.197
102.5	3.086	3.299	3.063	3.373	3.338
105.0	2.752	3.294	2.601	2.824	2.804
107.5	2.668	3.171	2.387	2.664	2.475
110.0	2.552	2.765	2.467	2.521	2.365
112.5	2.393	2.296	2.066	2.385	2.109
115.0	2.698	1.799	1.536	2.182	1.722
117.5	3.325	2.417	1.854	2.023	2.197
120.0	4.452	3.295	2.233	2.382	3.080
122.5	5.849	5.835	4.444	3.076	4.235
125.0	9.924	8.644	6.825	6.025	5.488

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127.5	15.162	14.114	11.784	9.603	9.583
130.0	23.233	19.843	17.200	16.110	14.469
132.5	32.258	29.290	26.357	23.330	23.299
135.0	45.683	38.962	36.361	32.973	32.919
137.5	60.267	57.007	50.946	45.121	46.756
140.0	97.585	77.575	71.774	64.009	61.166
142.5	139.162	140.351	116.583	105.132	116.017
145.0	262.188	211.676	187.858	193.111	174.034
147.5	394.980	359.968	338.473	303.162	326.520
150.0	497.251	497.934	471.922	450.964	479.663
152.5	597.454	577.687	565.482	566.751	566.817
155.0	656.894	651.987	645.413	637.612	652.637
157.5	715.359	704.165	700.200	705.078	721.351
160.0	761.270	755.446	755.368	768.670	789.756
162.5	807.407	803.962	811.117	829.805	855.889
165.0	856.082	851.605	862.906	888.616	917.608
167.5	903.486	897.171	909.772	933.876	957.253
170.0	942.541	938.457	948.705	968.532	992.361
172.5	978.965	971.408	979.478	993.665	1011.128
175.0	1003.053	999.293	1002.996	1012.754	1026.187
177.5	1023.788	1019.253	1020.336	1022.651	1030.931
180.0	1033.500	1033.500	1033.500	1033.500	1033.500

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Zone	Lumens	%Lamp	%Fixt
0-20	438.30	N.A.	23.80
0-30	769.17	N.A.	41.70
0-40	918.31	N.A.	49.80
0-60	997.25	N.A.	54.10
0-80	1021.66	N.A.	55.40
0-90	1024.31	N.A.	55.60
10-90	899.88	N.A.	48.80
20-40	480.01	N.A.	26.00
20-50	533.91	N.A.	29.00
40-70	94.32	N.A.	5.10
60-80	24.42	N.A.	1.30
70-80	9.04	N.A.	0.50
80-90	2.65	N.A.	0.10
90-110	7.73	N.A.	0.40
90-120	10.01	N.A.	0.50
90-130	17.58	N.A.	1.00
90-150	190.81	N.A.	10.30
90-180	819.46	N.A.	44.40
110-180	811.73	N.A.	44.00
0-180	1843.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.43
10-20	313.87
20-30	330.88
30-40	149.13
40-50	53.90
50-60	25.03
60-70	15.38
70-80	9.04
80-90	2.65
90-100	4.52
100-110	3.21
110-120	2.28
120-130	7.57
130-140	30.58
140-150	142.66
150-160	291.06
160-170	243.05
170-180	94.54

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

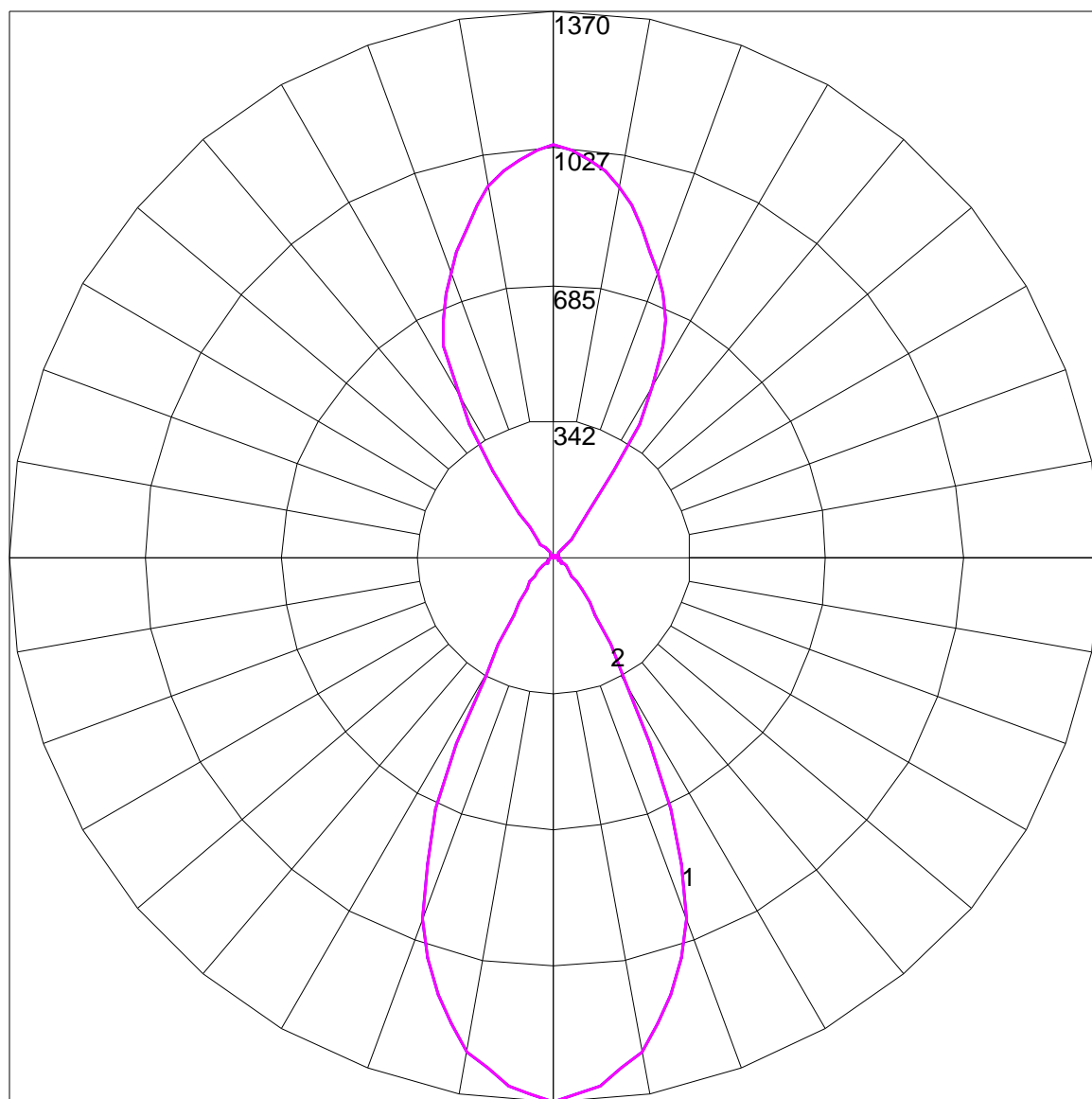
Effective Floor Cavity Reflectance 0.20

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	101	98	95	92	94	92	89	87	79	78	76	68	67	66	58	57	56	52
2	95	89	84	80	88	83	79	76	73	70	68	63	61	60	55	53	52	48
3	89	81	75	71	83	76	71	67	67	64	61	59	57	54	51	50	48	45
4	83	74	68	63	78	70	65	61	63	58	55	55	52	50	49	46	45	42
5	78	69	62	57	73	65	59	55	58	54	50	52	49	46	46	44	42	39
6	73	63	57	52	69	60	54	50	54	50	46	49	45	43	43	41	39	37
7	69	59	52	48	65	56	50	46	51	46	43	46	42	40	41	39	37	34
8	65	55	49	44	61	52	47	43	48	43	40	43	40	37	39	36	34	32
9	62	51	45	41	58	49	44	40	45	40	37	41	37	35	37	34	33	31
10	58	48	42	38	55	46	41	37	42	38	35	39	35	33	35	33	31	29

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POLAR GRAPH



Maximum Candela = 1369.634 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)