

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00633_1 ~ C06XXSQUDXT-13LXNGL-13LXN-XXKEX-TCY-GLMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_1
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-13L-XN-GL-13L-XN-xxK-EX-TCY-GLMW (Up/Down)
 [LUMINAIRE] Nom. 6" Square x 18" H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H variant
 [OTHER] Uplight: Xtra Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 11 Degree Beam Angle
 [OTHER] Downlight: Xtra Narrow Beam, Clear Glass lens
 [OTHER] Downlight: 12 Degree Beam Angle
 [OTHER] Trim: Same Color as Cylinder, Matte White
 [LAMP] N/A
 [LAMPCAT] N/A, 9mm LES indirect
 [OTHER] N/A, 9mm 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	36.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.35 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_1 ~ C06XXSQUDXT-13LXNGL-13LXN-XXKEX-TCY-GLMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1766	1504	1250
55	2186	1501	1355
65	1887	2078	1700
75	1423	1741	1520
85	1111	1393	1738

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_1 ~ C06XXSQUDXT-13LXNGL-13LXN-XXKEX-TCY-GLMW (UP_DOWN).IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	14115.507	14115.507	14115.507	14115.507	14115.507
2.5	11175.011	11719.627	10894.761	11452.693	11310.212
5.0	8234.515	9323.746	7674.015	8789.879	8504.917
7.5	5228.927	5874.296	4812.313	5528.302	5454.311
10.0	2223.338	2424.846	1950.611	2266.724	2403.705
12.5	1457.143	1568.624	1307.114	1480.488	1555.514
15.0	690.948	712.401	663.617	694.252	707.323
17.5	598.329	612.466	588.483	600.660	601.866
20.0	505.710	512.530	513.348	507.067	496.408
22.5	473.012	488.677	490.865	450.704	407.153
25.0	440.313	464.823	468.381	394.341	317.898
27.5	287.009	366.167	440.985	273.181	194.237
30.0	133.705	267.510	413.589	152.021	70.576
32.5	78.602	165.613	285.599	85.905	42.865
35.0	23.498	63.716	157.609	19.789	15.154
37.5	18.861	40.130	93.675	17.680	13.643
40.0	14.224	16.544	29.740	15.570	12.132
42.5	14.224	14.759	20.926	14.416	11.100
45.0	14.224	12.974	12.112	13.262	10.067
47.5	15.602	12.530	11.327	11.749	9.648
50.0	16.980	12.085	10.541	10.235	9.229
52.5	15.633	12.239	10.173	9.235	9.042
55.0	14.286	12.393	9.805	8.235	8.855
57.5	12.943	11.535	10.189	7.822	8.881
60.0	11.600	10.676	10.572	7.408	8.907
62.5	10.341	9.251	10.287	7.525	8.547
65.0	9.082	7.825	10.002	7.641	8.186
67.5	7.903	8.234	7.734	6.555	7.157
70.0	6.724	8.642	5.466	5.468	6.128
72.5	5.460	7.067	5.300	4.949	5.305
75.0	4.195	5.491	5.133	4.429	4.482
77.5	3.627	4.324	3.638	3.152	3.685
80.0	3.058	3.156	2.143	1.874	2.888
82.5	2.081	2.264	1.763	2.167	2.307
85.0	1.103	1.371	1.383	2.459	1.726
87.5	0.993	1.028	1.160	1.350	1.450
90.0	0.882	0.685	0.936	0.241	1.173
92.5	7.099	6.242	4.637	5.544	6.987
95.0	4.659	5.150	3.979	5.077	4.998
97.5	3.978	4.726	3.896	4.163	4.297
100.0	3.906	3.595	3.283	3.022	4.545
102.5	3.820	2.878	2.687	2.571	4.466
105.0	2.960	2.620	3.081	2.998	4.144
107.5	1.969	2.105	2.194	2.340	2.976
110.0	1.227	1.732	1.625	1.849	2.321
112.5	1.844	1.428	2.201	1.997	2.156
115.0	2.139	1.501	2.262	2.071	2.187
117.5	1.901	1.603	1.833	2.079	2.282
120.0	1.819	1.821	1.626	2.200	2.311
122.5	1.939	2.043	1.581	2.397	2.327
125.0	2.191	2.348	1.655	2.298	2.541

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127.5	2.605	2.632	1.809	2.011	2.789
130.0	2.734	2.601	1.884	2.017	2.581
132.5	2.544	2.564	1.909	2.198	2.303
135.0	2.819	2.468	2.156	2.045	2.982
137.5	3.586	2.347	2.534	1.711	3.783
140.0	3.802	2.007	2.878	1.990	3.594
142.5	3.477	4.402	3.202	2.581	3.298
145.0	44.822	27.866	61.191	61.493	83.298
147.5	124.726	67.741	148.528	147.675	170.217
150.0	214.215	214.008	238.164	239.102	260.035
152.5	311.931	340.943	328.874	332.814	350.040
155.0	362.404	360.332	366.676	366.243	365.328
157.5	375.282	379.032	381.433	375.675	377.057
160.0	398.332	394.309	398.226	391.229	391.941
162.5	428.995	419.779	415.830	409.041	406.912
165.0	562.114	489.781	509.485	477.212	473.741
167.5	766.216	685.869	631.202	562.245	544.957
170.0	1813.061	1381.903	1472.338	1187.563	1140.723
172.5	3408.096	2633.315	2554.312	1979.491	1790.761
175.0	6391.006	5852.241	5623.039	4810.479	4820.035
177.5	10008.010	8826.142	9292.179	8206.442	7828.437
180.0	10121.000	10121.000	10121.000	10121.000	10121.000

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Zone	Lumens	%Lamp	%Fixt
0-20	888.88	N.A.	46.20
0-30	1069.81	N.A.	55.60
0-40	1127.28	N.A.	58.60
0-60	1147.41	N.A.	59.70
0-80	1160.58	N.A.	60.40
0-90	1162.37	N.A.	60.40
10-90	541.30	N.A.	28.10
20-40	238.40	N.A.	12.40
20-50	249.07	N.A.	13.00
40-70	28.36	N.A.	1.50
60-80	13.18	N.A.	0.70
70-80	4.94	N.A.	0.30
80-90	1.79	N.A.	0.10
90-110	7.56	N.A.	0.40
90-120	9.46	N.A.	0.50
90-130	11.38	N.A.	0.60
90-150	57.82	N.A.	3.00
90-180	760.70	N.A.	39.60
110-180	753.14	N.A.	39.20
0-180	1923.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	621.07
10-20	267.81
20-30	180.93
30-40	57.48
40-50	10.67
50-60	9.45
60-70	8.24
70-80	4.94
80-90	1.79
90-100	4.63
100-110	2.93
110-120	1.90
120-130	1.93
130-140	1.87
140-150	44.56
150-160	158.95
160-170	161.50
170-180	382.43

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

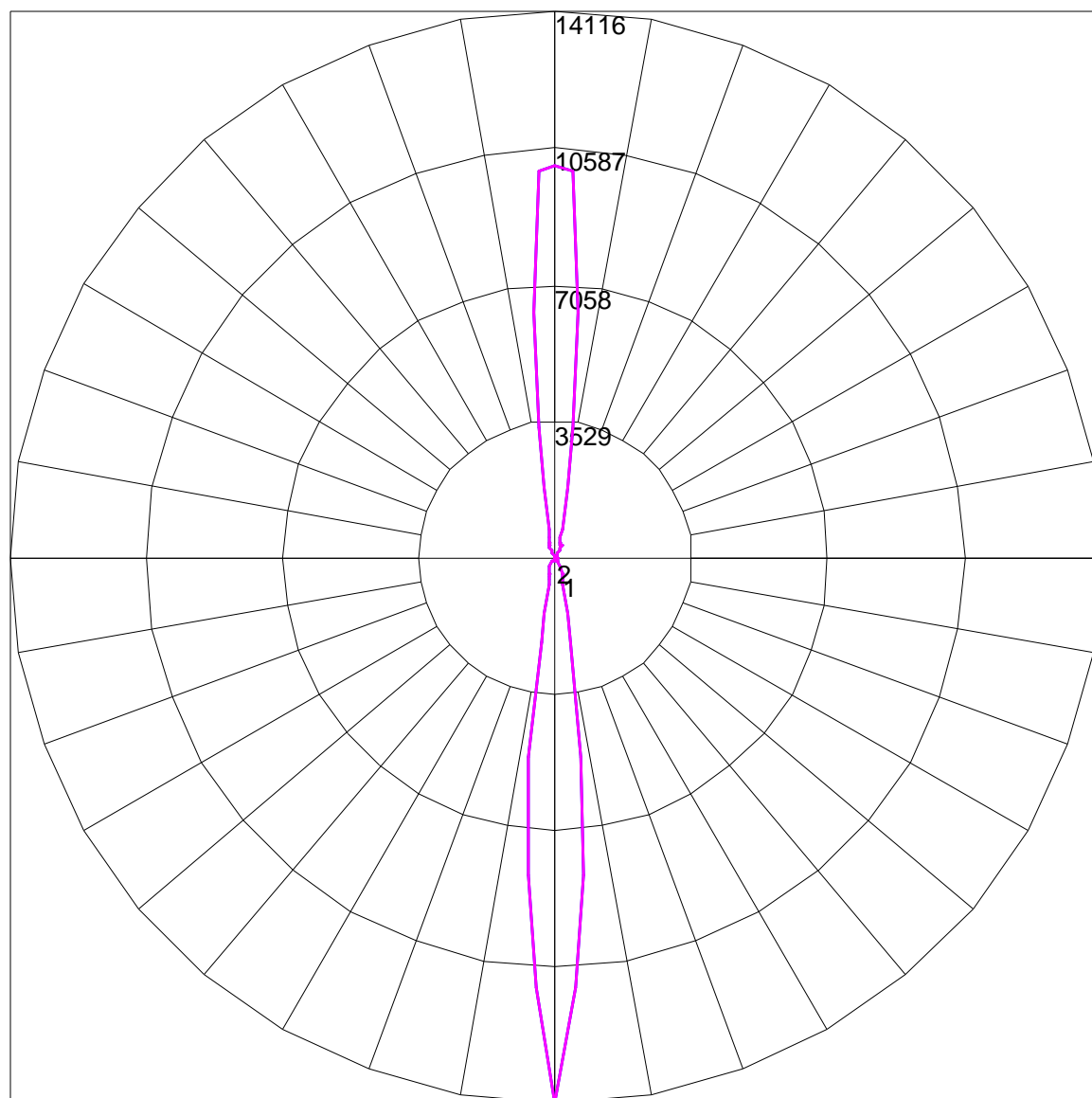
Effective Floor Cavity Reflectance 0.20

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	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	104	101	98	96	97	95	93	91	84	82	81	73	72	72	64	63	63	58
2	99	94	90	86	93	89	85	82	79	77	75	70	69	67	62	61	60	57
3	94	88	83	79	88	83	79	76	75	72	70	67	66	64	60	59	58	55
4	89	82	77	73	85	79	74	71	72	68	66	65	63	61	59	57	56	54
5	85	78	73	69	81	75	70	67	69	65	63	63	60	59	57	56	55	52
6	82	74	69	65	78	71	67	63	66	62	60	61	58	56	56	54	53	51
7	79	71	66	62	75	68	64	60	63	60	57	59	56	55	55	53	52	50
8	76	68	63	59	73	66	61	58	61	58	55	57	55	53	54	52	50	49
9	73	65	60	57	70	63	59	56	59	56	54	56	53	51	52	51	49	48
10	71	63	58	55	68	61	57	54	58	54	52	54	52	50	51	50	48	47

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POLAR GRAPH



Maximum Candela = 14115.507 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)