

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_4_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-13L-WD-GL-13L-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	1923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5894	6261	5618
55	3314	3688	3204
65	3113	3182	3004
75	3439	2991	3720
85	2557	2109	2884

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (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	1833.199	1833.199	1833.199	1833.199	1833.199
2.5	1804.232	1802.733	1803.272	1808.589	1804.767
5.0	1775.263	1772.265	1773.344	1783.977	1776.334
7.5	1689.347	1685.360	1689.157	1698.876	1692.274
10.0	1603.431	1598.455	1604.970	1613.774	1608.213
12.5	1471.696	1466.652	1476.188	1483.800	1478.487
15.0	1339.961	1334.849	1347.406	1353.826	1348.761
17.5	1189.900	1187.556	1202.290	1201.437	1195.595
20.0	1039.839	1040.264	1057.174	1049.048	1042.429
22.5	878.896	901.581	928.855	901.015	873.976
25.0	717.953	762.897	800.535	752.981	705.522
27.5	535.374	611.812	686.512	581.089	526.661
30.0	352.795	460.726	572.489	409.196	347.800
32.5	247.944	322.025	447.367	278.555	239.110
35.0	143.094	183.323	322.245	147.913	130.420
37.5	108.945	129.004	223.271	109.899	99.950
40.0	74.795	74.684	124.297	71.884	69.480
42.5	61.137	61.337	87.365	59.730	57.368
45.0	47.478	47.988	50.433	47.577	45.256
47.5	40.197	40.620	41.588	40.505	38.112
50.0	32.915	33.251	32.744	33.432	30.967
52.5	27.282	28.538	28.420	28.465	25.950
55.0	21.650	23.825	24.096	23.498	20.932
57.5	18.511	20.905	21.477	20.654	18.367
60.0	15.372	17.985	18.856	17.810	15.802
62.5	15.179	16.568	17.087	16.771	15.133
65.0	14.986	15.150	15.317	15.731	14.464
67.5	14.060	14.292	13.726	14.860	13.527
70.0	13.133	13.434	12.135	13.989	12.589
72.5	11.636	11.642	10.476	12.296	11.779
75.0	10.138	9.850	8.817	10.603	10.969
77.5	7.808	7.867	7.138	8.587	9.272
80.0	5.477	5.883	5.459	6.570	7.575
82.5	4.008	4.009	3.776	4.778	5.219
85.0	2.539	2.135	2.094	2.985	2.863
87.5	1.711	1.547	1.562	2.043	2.033
90.0	0.882	0.959	1.029	1.100	1.204
92.5	5.164	5.884	5.560	4.768	4.437
95.0	4.233	5.311	5.203	4.438	4.791
97.5	3.390	4.733	4.153	3.779	5.134
100.0	3.307	4.038	3.862	3.238	3.280
102.5	2.960	3.157	3.924	3.055	3.290
105.0	2.733	3.081	3.579	2.828	3.297
107.5	2.575	2.936	2.653	2.174	3.117
110.0	2.439	2.717	1.901	2.145	2.587
112.5	2.334	2.469	2.103	2.290	2.207
115.0	2.391	2.209	2.125	2.001	1.908
117.5	2.559	2.302	1.879	1.838	1.896
120.0	3.128	2.468	2.125	2.415	1.934
122.5	3.827	3.228	2.941	3.041	2.606
125.0	4.907	4.080	4.263	3.889	3.333

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (UP_DOWN).IES****CANDELA TABULATION - (Cont.)**

127.5	6.611	6.776	6.090	5.333	5.010
130.0	9.898	9.690	9.252	8.930	6.728
132.5	14.237	14.338	13.603	13.043	11.706
135.0	20.832	19.117	20.124	18.708	16.810
137.5	32.497	29.440	28.317	26.420	25.507
140.0	53.412	39.958	46.998	39.271	35.191
142.5	113.094	106.205	72.756	71.213	62.053
145.0	235.283	174.955	164.207	144.925	98.041
147.5	346.253	313.309	294.317	242.828	230.068
150.0	441.652	447.491	407.317	385.725	360.042
152.5	525.914	519.981	511.716	505.389	475.348
155.0	596.626	594.160	599.208	588.038	587.456
157.5	682.886	684.302	679.380	679.874	682.152
160.0	785.751	777.676	781.585	784.688	781.726
162.5	894.468	892.363	891.925	895.205	902.431
165.0	1008.597	1004.622	1001.002	1012.680	1019.886
167.5	1111.542	1104.518	1109.692	1117.777	1126.051
170.0	1205.406	1198.296	1193.672	1209.613	1222.071
172.5	1277.309	1267.062	1271.282	1279.242	1288.032
175.0	1333.587	1326.498	1317.726	1327.974	1341.889
177.5	1364.928	1355.132	1357.834	1356.032	1365.867
180.0	1377.350	1377.350	1377.350	1377.350	1377.350

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (UP_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	534.03	N.A.	27.80
0-30	874.13	N.A.	45.50
0-40	1015.59	N.A.	52.80
0-60	1078.19	N.A.	56.10
0-80	1103.65	N.A.	57.40
0-90	1106.94	N.A.	57.60
10-90	943.48	N.A.	49.10
20-40	481.56	N.A.	25.00
20-50	522.58	N.A.	27.20
40-70	77.73	N.A.	4.00
60-80	25.46	N.A.	1.30
70-80	10.32	N.A.	0.50
80-90	3.29	N.A.	0.20
90-110	7.74	N.A.	0.40
90-120	9.93	N.A.	0.50
90-130	14.12	N.A.	0.70
90-150	145.00	N.A.	7.50
90-180	816.23	N.A.	42.40
110-180	808.49	N.A.	42.00
0-180	1923.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.46
10-20	370.57
20-30	340.10
30-40	141.46
40-50	41.02
50-60	21.57
60-70	15.14
70-80	10.32
80-90	3.29
90-100	4.55
100-110	3.19
110-120	2.19
120-130	4.19
130-140	16.47
140-150	114.42
150-160	270.57
160-170	277.88
170-180	122.78

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (UP_DOWN).IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

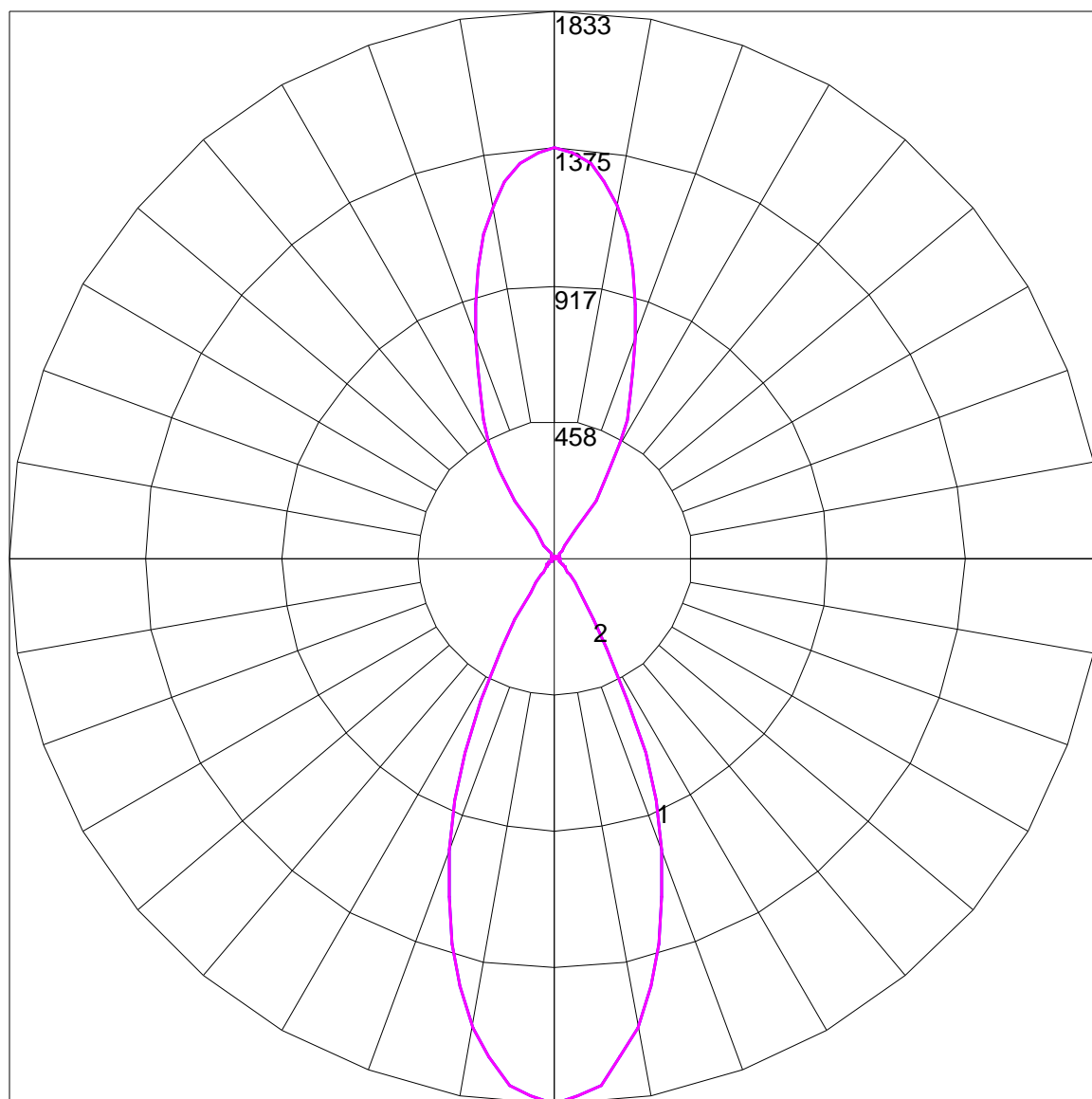
Effective Floor Cavity Reflectance 0.20

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	57	54	52	51	47
4	84	76	70	65	79	72	67	63	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	49	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	34
10	60	50	45	41	57	48	43	40	45	40	38	41	38	36	38	35	34	32

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_4 ~ C06XXSQUDXT-13LWDGL-13LWD-XXKEX-TCY-SOMW (UP_DOWN).IES

POLAR GRAPH



Maximum Candela = 1833.199 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)