

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-XXKEX-TCY-SOMW (UP\_DOWN).IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00633\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 10/13/2017  
 [UPDATE] 2/9/2018  
 [LUMCAT] C06xxSQUDXT-10L-XW-GL-10L-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	1369
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-XXKEX-TCY-SOMW (UP\_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6114	5950	5929
55	2466	3238	2794
65	2143	2449	2360
75	2089	2097	2320
85	1519	1238	1515

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-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	1016.690	1016.690	1016.690	1016.690	1016.690
2.5	1003.022	1001.739	999.834	1003.572	1005.045
5.0	989.353	986.787	982.977	990.452	993.399
7.5	962.917	958.448	953.145	962.648	965.161
10.0	936.480	930.108	923.313	934.843	936.923
12.5	890.896	886.324	877.768	887.369	888.973
15.0	845.311	842.540	832.222	839.894	841.024
17.5	782.575	785.723	774.375	779.996	776.918
20.0	719.840	728.906	716.528	720.098	712.813
22.5	620.577	650.988	649.918	639.567	616.327
25.0	521.313	573.069	583.307	559.036	519.841
27.5	390.063	446.364	495.661	441.431	398.065
30.0	258.813	319.659	408.015	323.825	276.290
32.5	194.762	229.635	311.391	233.331	202.794
35.0	130.711	139.611	214.766	142.837	129.298
37.5	105.637	109.776	151.393	110.295	102.493
40.0	80.562	79.942	88.019	77.751	75.688
42.5	64.904	65.110	67.971	63.391	61.721
45.0	49.246	50.276	47.923	49.030	47.754
47.5	38.827	40.686	39.632	40.006	38.626
50.0	28.408	31.095	31.340	30.981	29.498
52.5	22.262	25.192	26.249	25.675	23.877
55.0	16.115	19.288	21.158	20.370	18.256
57.5	13.831	16.460	18.153	17.386	15.784
60.0	11.546	13.632	15.147	14.403	13.312
62.5	10.931	12.614	13.469	12.967	12.337
65.0	10.316	11.597	11.790	11.530	11.362
67.5	9.474	10.507	10.525	10.513	10.559
70.0	8.633	9.417	9.260	9.496	9.756
72.5	7.397	7.989	7.721	7.600	8.298
75.0	6.160	6.560	6.182	5.705	6.840
77.5	5.002	5.105	4.821	4.688	5.229
80.0	3.844	3.650	3.460	3.671	3.619
82.5	2.676	2.700	2.345	2.510	2.562
85.0	1.508	1.749	1.229	1.349	1.504
87.5	1.176	1.229	0.895	1.013	1.068
90.0	0.843	0.709	0.560	0.677	0.632
92.5	3.565	3.873	3.346	3.279	3.375
95.0	3.940	3.874	3.238	3.292	3.747
97.5	3.633	3.863	3.101	3.276	3.054
100.0	2.815	3.446	2.738	2.966	3.116
102.5	2.290	2.449	2.274	2.504	2.478
105.0	2.043	2.445	1.930	2.096	2.082
107.5	1.981	2.354	1.772	1.977	1.837
110.0	1.894	2.053	1.831	1.871	1.755
112.5	1.776	1.704	1.533	1.770	1.566
115.0	2.003	1.336	1.140	1.620	1.279
117.5	2.468	1.794	1.376	1.502	1.631
120.0	3.305	2.446	1.657	1.768	2.286
122.5	4.342	4.331	3.299	2.283	3.143
125.0	7.367	6.417	5.066	4.472	4.074

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-XXKEX-TCY-SOMW (UP\_DOWN).IES****CANDELA TABULATION - (Cont.)**

<b>127.5</b>	11.255	10.477	8.747	7.128	7.113
<b>130.0</b>	17.246	14.729	12.767	11.959	10.740
<b>132.5</b>	23.946	21.742	19.565	17.318	17.295
<b>135.0</b>	33.911	28.922	26.991	24.476	24.436
<b>137.5</b>	44.736	42.317	37.818	33.494	34.707
<b>140.0</b>	72.438	57.584	53.279	47.515	45.404
<b>142.5</b>	103.301	104.183	86.540	78.040	86.120
<b>145.0</b>	194.624	157.129	139.449	143.348	129.186
<b>147.5</b>	293.196	267.207	251.251	225.039	242.378
<b>150.0</b>	369.113	369.620	350.311	334.754	356.057
<b>152.5</b>	443.495	428.822	419.762	420.704	420.753
<b>155.0</b>	487.617	483.975	479.095	473.304	484.457
<b>157.5</b>	531.017	522.707	519.764	523.385	535.464
<b>160.0</b>	565.097	560.773	560.715	570.590	586.242
<b>162.5</b>	599.344	596.787	602.099	615.971	635.333
<b>165.0</b>	635.477	632.153	640.542	659.627	681.147
<b>167.5</b>	670.665	665.977	675.331	693.223	710.576
<b>170.0</b>	699.655	696.624	704.231	718.949	736.638
<b>172.5</b>	726.693	721.084	727.074	737.605	750.568
<b>175.0</b>	744.574	741.783	744.532	751.775	761.746
<b>177.5</b>	759.966	756.600	757.403	759.122	765.268
<b>180.0</b>	767.175	767.175	767.175	767.175	767.175

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-XXKEX-TCY-SOMW (UP\_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	325.35	N.A.	23.80
0-30	570.96	N.A.	41.70
0-40	681.67	N.A.	49.80
0-60	740.26	N.A.	54.10
0-80	758.39	N.A.	55.40
0-90	760.35	N.A.	55.60
10-90	667.99	N.A.	48.80
20-40	356.31	N.A.	26.00
20-50	396.33	N.A.	29.00
40-70	70.01	N.A.	5.10
60-80	18.12	N.A.	1.30
70-80	6.71	N.A.	0.50
80-90	1.96	N.A.	0.10
90-110	5.74	N.A.	0.40
90-120	7.43	N.A.	0.50
90-130	13.05	N.A.	1.00
90-150	141.64	N.A.	10.30
90-180	608.29	N.A.	44.40
110-180	602.56	N.A.	44.00
0-180	1368.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	92.36
10-20	232.99
20-30	245.61
30-40	110.70
40-50	40.01
50-60	18.58
60-70	11.42
70-80	6.71
80-90	1.96
90-100	3.35
100-110	2.38
110-120	1.69
120-130	5.62
130-140	22.70
140-150	105.90
150-160	216.06
160-170	180.42
170-180	70.18

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-XXKEX-TCY-SOMW (UP\_DOWN).IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

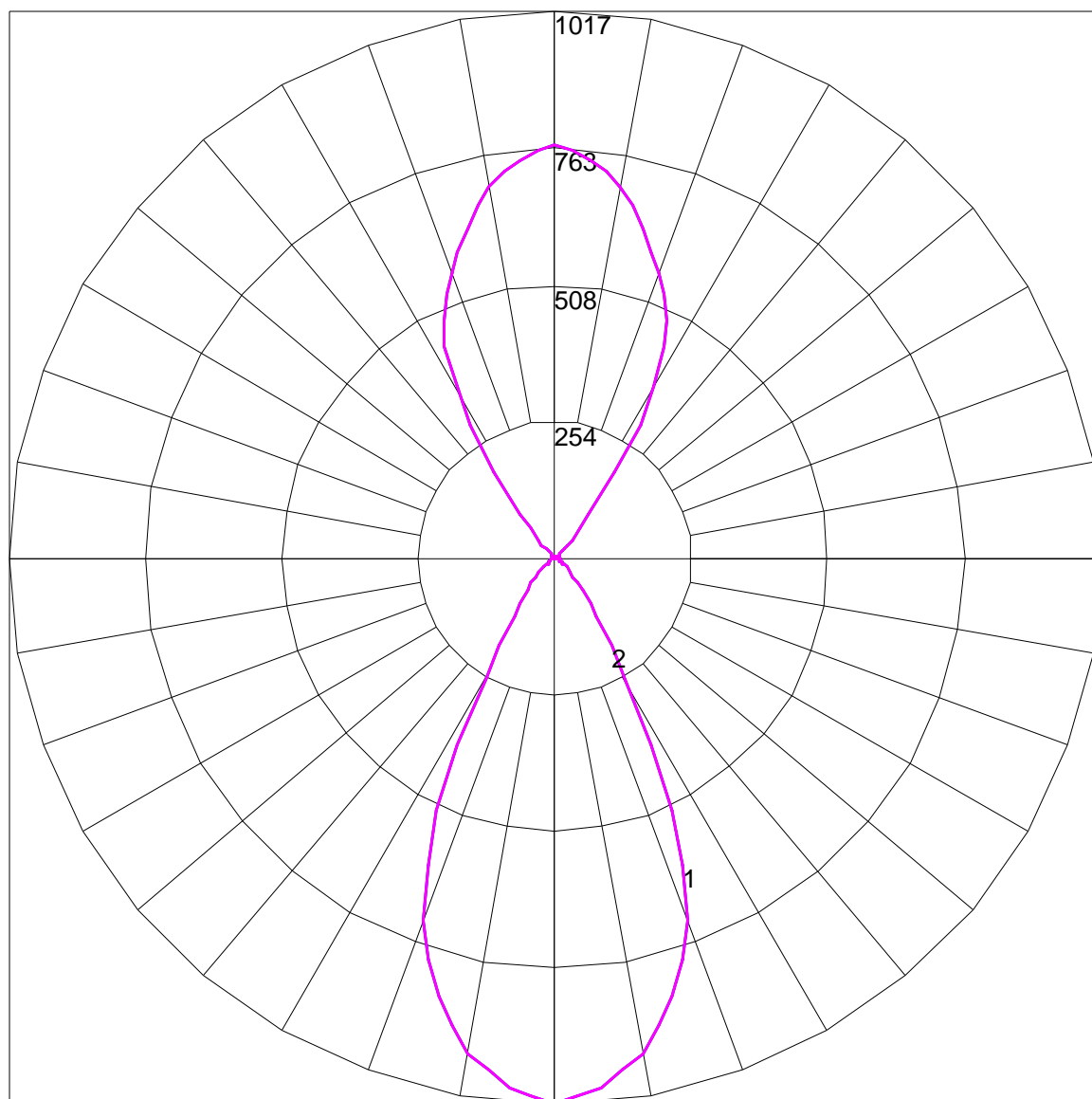
Effective Floor Cavity Reflectance 0.20

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	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	48	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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-10LXWGL-10LXW-XXKEX-TCY-SOMW (UP\_DOWN).IES

## POLAR GRAPH



Maximum Candela = 1016.69 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)