

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00633_1 ~ C06XXSQUDXT-10LXNGL-10LXN-XXKEX-TCY-GLMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_1_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-10L-XN-GL-10L-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, scaled from 13L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	25.6
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-10LXNGL-10LXN-XXKEX-TCY-GLMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1307	1113	925
55	1618	1111	1003
65	1396	1537	1258
75	1053	1288	1125
85	822	1030	1286

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	0.0	22.5	45.0	67.5	90.0
0.0	10445.478	10445.478	10445.478	10445.478	10445.478
2.5	8269.508	8672.526	8062.123	8474.991	8369.556
5.0	6093.541	6899.572	5678.771	6504.511	6293.639
7.5	3869.406	4346.979	3561.112	4090.944	4036.190
10.0	1645.270	1794.386	1443.452	1677.376	1778.742
12.5	1078.286	1160.782	967.264	1095.561	1151.080
15.0	511.302	527.177	491.077	513.746	523.419
17.5	442.763	453.225	435.477	444.488	445.381
20.0	374.225	379.272	379.878	375.230	367.342
22.5	350.029	361.621	363.240	333.521	301.293
25.0	325.832	343.969	346.602	291.812	235.245
27.5	212.387	270.964	326.329	202.154	143.735
30.0	98.942	197.957	306.056	112.496	52.226
32.5	58.165	122.554	211.343	63.570	31.720
35.0	17.389	47.150	116.631	14.644	11.214
37.5	13.957	29.696	69.320	13.083	10.096
40.0	10.526	12.243	22.008	11.522	8.978
42.5	10.526	10.922	15.485	10.668	8.214
45.0	10.526	9.601	8.963	9.814	7.450
47.5	11.545	9.272	8.382	8.694	7.140
50.0	12.565	8.943	7.800	7.574	6.829
52.5	11.568	9.057	7.528	6.834	6.691
55.0	10.572	9.171	7.256	6.094	6.553
57.5	9.578	8.536	7.540	5.788	6.572
60.0	8.584	7.900	7.823	5.482	6.591
62.5	7.652	6.846	7.612	5.569	6.325
65.0	6.721	5.791	7.401	5.654	6.058
67.5	5.848	6.093	5.723	4.851	5.296
70.0	4.976	6.395	4.045	4.046	4.535
72.5	4.040	5.230	3.922	3.662	3.926
75.0	3.104	4.063	3.798	3.277	3.317
77.5	2.684	3.200	2.692	2.332	2.727
80.0	2.263	2.335	1.586	1.387	2.137
82.5	1.540	1.675	1.305	1.604	1.707
85.0	0.816	1.015	1.023	1.820	1.277
87.5	0.735	0.761	0.858	0.999	1.073
90.0	0.653	0.507	0.693	0.178	0.868
92.5	5.253	4.619	3.431	4.103	5.170
95.0	3.448	3.811	2.944	3.757	3.699
97.5	2.944	3.497	2.883	3.081	3.180
100.0	2.890	2.660	2.429	2.236	3.363
102.5	2.827	2.130	1.988	1.903	3.305
105.0	2.190	1.939	2.280	2.219	3.067
107.5	1.457	1.558	1.624	1.732	2.202
110.0	0.908	1.282	1.203	1.368	1.718
112.5	1.365	1.057	1.629	1.478	1.595
115.0	1.583	1.111	1.674	1.533	1.618
117.5	1.407	1.186	1.356	1.538	1.689
120.0	1.346	1.348	1.203	1.628	1.710
122.5	1.435	1.512	1.170	1.774	1.722
125.0	1.621	1.738	1.225	1.701	1.880

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127.5	1.928	1.948	1.339	1.488	2.064
130.0	2.023	1.925	1.394	1.493	1.910
132.5	1.883	1.897	1.413	1.627	1.704
135.0	2.086	1.826	1.595	1.513	2.207
137.5	2.654	1.737	1.875	1.266	2.799
140.0	2.813	1.485	2.130	1.473	2.660
142.5	2.573	3.257	2.369	1.910	2.441
145.0	33.168	20.621	45.281	45.505	61.641
147.5	92.297	50.128	109.911	109.280	125.961
150.0	158.519	158.366	176.241	176.935	192.426
152.5	230.829	252.298	243.367	246.282	259.030
155.0	268.179	266.646	271.340	271.020	270.343
157.5	277.709	280.484	282.260	278.000	279.022
160.0	294.766	291.789	294.687	289.509	290.036
162.5	317.456	310.636	307.714	302.690	301.115
165.0	415.964	362.438	377.019	353.137	350.568
167.5	567.000	507.543	467.089	416.061	403.268
170.0	1341.665	1022.608	1089.530	878.797	844.135
172.5	2521.991	1948.653	1890.191	1464.823	1325.163
175.0	4729.345	4330.658	4161.049	3559.755	3566.826
177.5	7405.927	6531.345	6876.213	6072.767	5793.043
180.0	7489.540	7489.540	7489.540	7489.540	7489.540

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Zone	Lumens	%Lamp	%Fixt
0-20	657.77	N.A.	46.20
0-30	791.66	N.A.	55.60
0-40	834.19	N.A.	58.60
0-60	849.08	N.A.	59.70
0-80	858.83	N.A.	60.40
0-90	860.16	N.A.	60.40
10-90	400.56	N.A.	28.10
20-40	176.42	N.A.	12.40
20-50	184.31	N.A.	13.00
40-70	20.99	N.A.	1.50
60-80	9.75	N.A.	0.70
70-80	3.66	N.A.	0.30
80-90	1.33	N.A.	0.10
90-110	5.60	N.A.	0.40
90-120	7.00	N.A.	0.50
90-130	8.42	N.A.	0.60
90-150	42.78	N.A.	3.00
90-180	562.92	N.A.	39.60
110-180	557.32	N.A.	39.20
0-180	1423.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	459.59
10-20	198.18
20-30	133.89
30-40	42.53
40-50	7.89
50-60	7.00
60-70	6.10
70-80	3.66
80-90	1.33
90-100	3.43
100-110	2.17
110-120	1.40
120-130	1.43
130-140	1.39
140-150	32.97
150-160	117.62
160-170	119.51
170-180	283.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

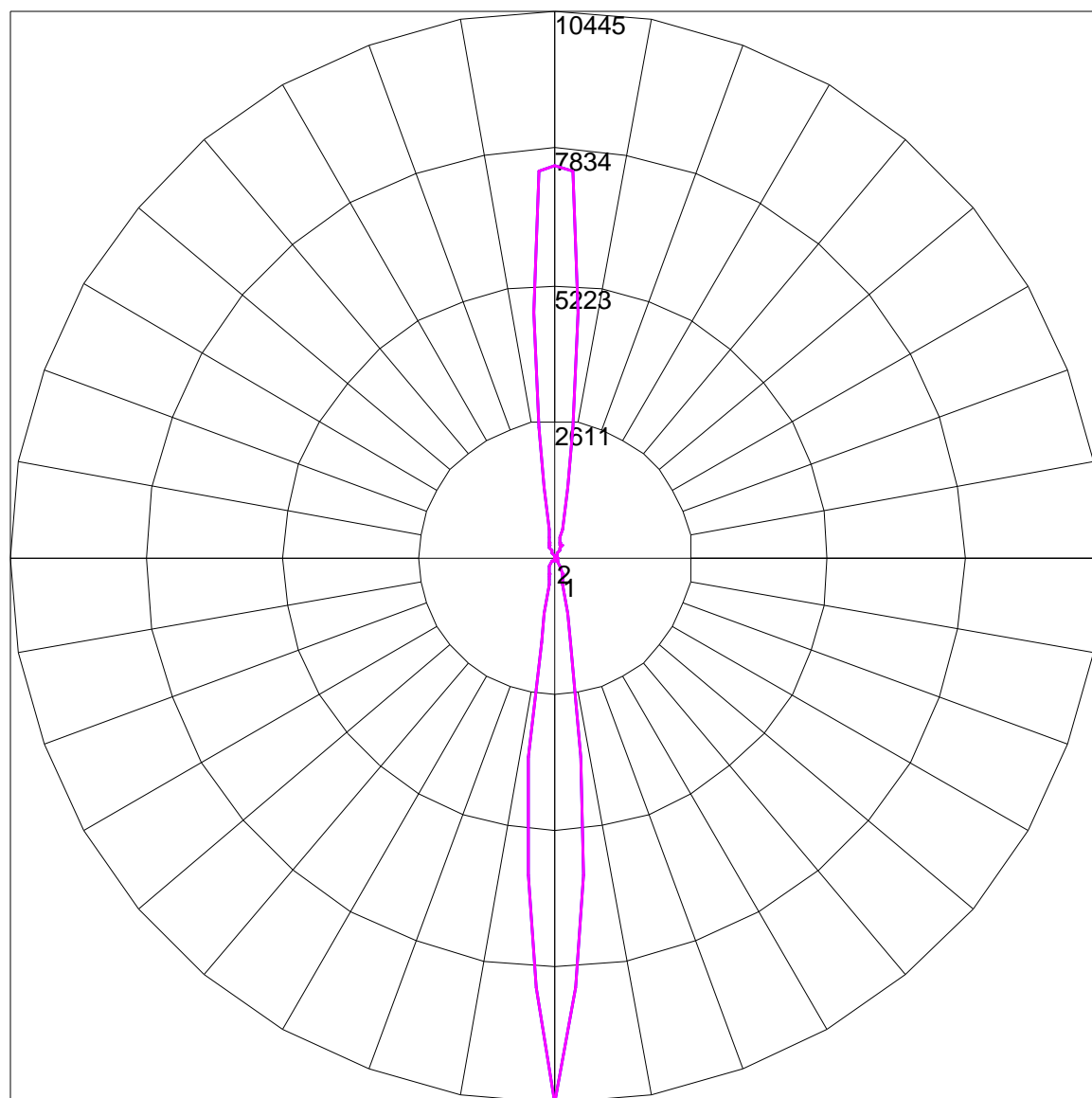
Effective Floor Cavity Reflectance 0.20

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 = 10445.478 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)