

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-10LMDGL-10LMD-XXKEX-TCY-SOMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_3_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-10L-MD-GL-10L-MD-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: Medium Beam, Flush Clear Glass lens
 [OTHER] Uplight: 30 Degree Beam Angle
 [OTHER] Downlight: Medium Beam, Regressed Solite lens
 [OTHER] Downlight: 38.6 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	1374
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	18.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.68
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_3 ~ C06XXSQUDXT-10LMDGL-10LMD-XXKEX-TCY-SOMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3369	3665	3158
55	2460	2514	2198
65	2372	2396	2045
75	2310	2613	2707
85	1717	2584	2768

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1661.854	1661.854	1661.854	1661.854	1661.854
2.5	1618.603	1615.692	1624.234	1623.948	1626.395
5.0	1575.352	1569.530	1586.614	1586.043	1590.936
7.5	1467.608	1460.981	1476.432	1480.234	1484.634
10.0	1359.863	1352.433	1366.249	1374.424	1378.331
12.5	1217.389	1211.456	1223.279	1232.566	1235.441
15.0	1074.914	1070.479	1080.308	1090.709	1092.550
17.5	933.336	934.297	944.441	947.331	944.915
20.0	791.759	798.114	808.573	803.953	797.280
22.5	652.617	679.070	695.708	665.702	646.150
25.0	513.476	560.024	582.843	527.451	495.020
27.5	377.288	437.179	488.776	398.837	347.949
30.0	241.101	314.333	394.709	270.223	200.877
32.5	160.612	216.929	301.422	182.521	134.767
35.0	80.123	119.524	208.136	94.818	68.657
37.5	60.279	82.485	138.458	68.788	53.944
40.0	40.435	45.447	68.781	42.758	39.232
42.5	33.788	36.701	49.151	35.302	32.336
45.0	27.140	27.956	29.521	27.845	25.440
47.5	23.733	24.359	25.214	24.194	21.924
50.0	20.326	20.762	20.906	20.543	18.407
52.5	18.200	18.578	18.665	18.135	16.385
55.0	16.074	16.393	16.423	15.727	14.362
57.5	14.571	14.684	15.054	14.268	12.838
60.0	13.068	12.974	13.685	12.809	11.315
62.5	12.243	12.147	12.610	12.037	10.581
65.0	11.418	11.319	11.534	11.265	9.847
67.5	10.468	10.863	10.794	10.478	9.689
70.0	9.517	10.407	10.053	9.691	9.530
72.5	8.165	8.967	8.879	8.767	8.756
75.0	6.812	7.527	7.705	7.843	7.982
77.5	5.432	5.933	6.215	6.420	6.684
80.0	4.052	4.339	4.725	4.997	5.386
82.5	2.879	3.071	3.645	3.910	4.067
85.0	1.705	1.802	2.565	2.822	2.748
87.5	1.194	1.185	1.743	1.803	1.872
90.0	0.682	0.567	0.920	0.784	0.994
92.5	4.305	4.221	3.366	3.570	3.410
95.0	4.619	3.595	3.911	3.279	2.984
97.5	3.583	3.702	3.259	2.800	2.980
100.0	3.299	3.323	2.875	2.581	2.424
102.5	3.300	2.971	2.521	2.466	1.978
105.0	3.092	2.763	2.089	2.192	1.673
107.5	2.446	2.201	2.224	2.026	1.444
110.0	2.235	1.914	2.164	1.846	1.459
112.5	2.120	1.822	1.964	1.654	1.477
115.0	1.959	1.654	1.656	1.382	1.383
117.5	1.833	1.473	1.330	1.098	1.319
120.0	1.813	1.635	1.454	1.676	1.312
122.5	1.961	1.813	1.591	2.225	1.468
125.0	2.471	2.208	1.768	2.346	1.858

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127.5	2.970	2.655	2.102	2.624	2.685
130.0	3.454	3.529	3.717	3.945	3.992
132.5	4.383	4.548	5.438	5.661	6.751
135.0	5.866	6.230	7.677	9.006	10.747
137.5	8.257	8.437	10.665	12.909	15.553
140.0	11.512	12.326	16.065	18.409	20.892
142.5	27.454	24.592	32.142	35.019	44.984
145.0	52.866	55.927	73.016	74.561	78.260
147.5	110.887	108.820	135.651	140.184	168.329
150.0	187.254	198.006	236.165	247.165	279.229
152.5	251.989	272.923	318.153	338.471	375.538
155.0	311.828	329.156	375.811	410.939	468.178
157.5	369.160	389.808	442.952	490.332	562.098
160.0	425.734	454.874	519.861	576.076	656.215
162.5	505.598	533.662	607.375	671.647	766.102
165.0	590.058	623.045	703.220	774.277	877.233
167.5	692.716	722.884	806.051	879.418	981.772
170.0	797.416	828.910	913.031	985.915	1083.850
172.5	909.392	932.274	1006.372	1068.518	1146.664
175.0	1020.800	1034.475	1093.525	1141.515	1202.913
177.5	1105.068	1109.936	1146.292	1176.024	1211.941
180.0	1202.390	1202.390	1202.390	1202.390	1202.390

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Zone	Lumens	%Lamp	%Fixt
0-20	441.98	N.A.	32.20
0-30	688.45	N.A.	50.10
0-40	779.24	N.A.	56.70
0-60	817.78	N.A.	59.50
0-80	836.85	N.A.	60.90
0-90	839.62	N.A.	61.10
10-90	696.31	N.A.	50.70
20-40	337.26	N.A.	24.50
20-50	361.24	N.A.	26.30
40-70	49.73	N.A.	3.60
60-80	19.07	N.A.	1.40
70-80	7.87	N.A.	0.60
80-90	2.77	N.A.	0.20
90-110	5.93	N.A.	0.40
90-120	7.56	N.A.	0.60
90-130	9.60	N.A.	0.70
90-150	68.85	N.A.	5.00
90-180	534.84	N.A.	38.90
110-180	528.90	N.A.	38.50
0-180	1374.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.31
10-20	298.67
20-30	246.47
30-40	90.79
40-50	23.97
50-60	14.56
60-70	11.20
70-80	7.87
80-90	2.77
90-100	3.41
100-110	2.52
110-120	1.62
120-130	2.04
130-140	6.42
140-150	52.82
150-160	170.90
160-170	196.40
170-180	98.69

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

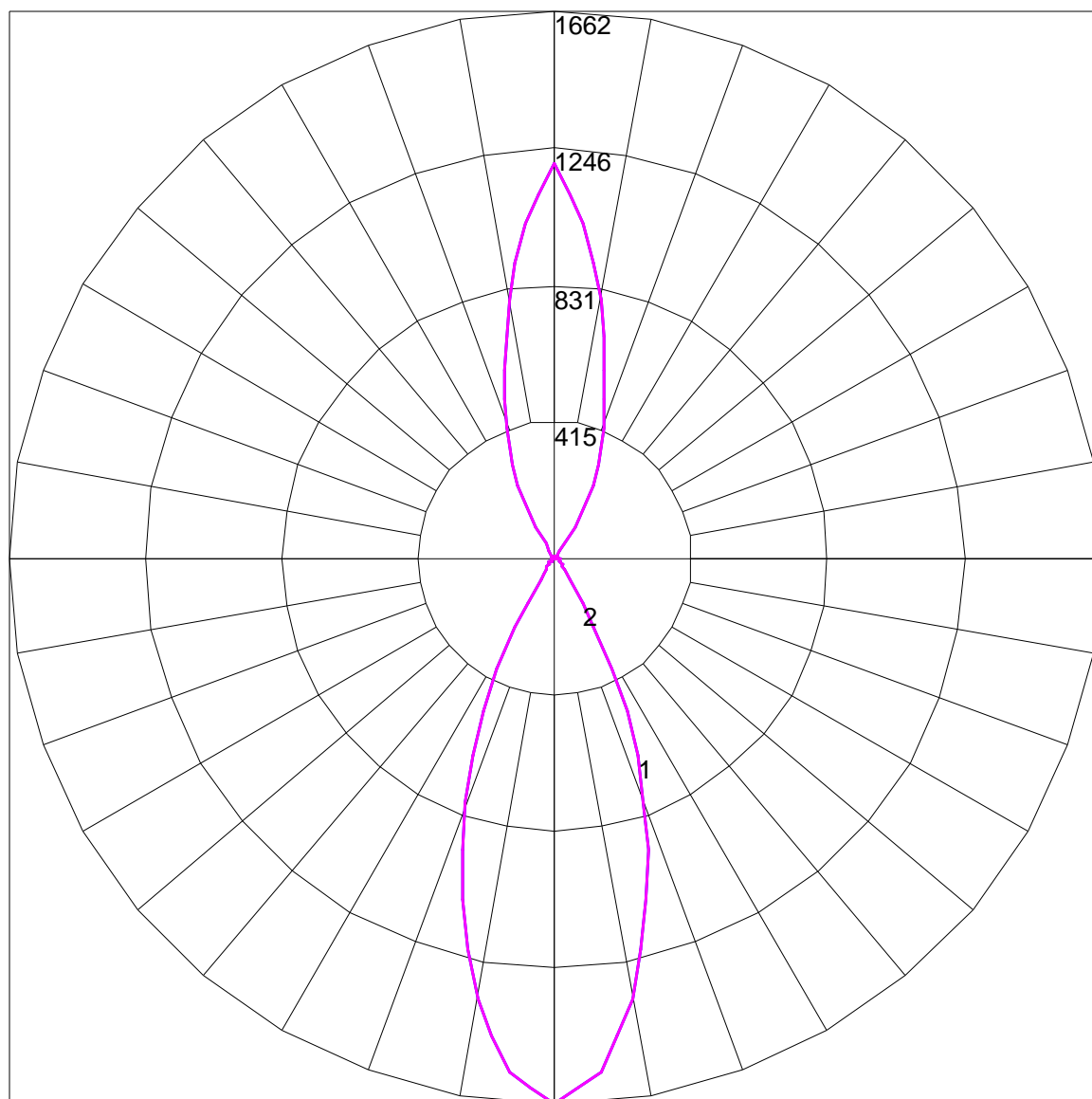
Effective Floor Cavity Reflectance 0.20

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	103	103	103	103	90	90	90	77	77	77	66	66	66	61
1	103	100	97	94	97	94	92	89	83	81	80	73	71	70	63	62	62	57
2	97	91	87	83	91	86	83	79	77	74	72	68	66	64	60	59	58	54
3	91	84	79	74	86	80	75	71	72	68	65	64	62	59	57	55	54	51
4	86	78	72	67	81	74	69	65	67	63	60	60	58	55	54	52	51	48
5	81	72	66	62	77	69	64	60	63	59	56	57	54	52	52	50	48	45
6	77	68	61	57	73	65	59	55	59	55	52	54	51	48	49	47	45	43
7	73	63	57	53	69	61	55	51	56	52	48	51	48	46	47	45	43	41
8	69	59	53	49	66	57	52	48	53	49	45	49	46	43	45	43	41	39
9	66	56	50	46	63	54	49	45	50	46	43	47	43	41	43	41	39	37
10	63	53	47	43	60	51	46	42	48	44	41	44	41	39	41	39	37	35

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POLAR GRAPH



Maximum Candela = 1661.854 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)