

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633 ~ C06XXSQUDXT-20LXWGL-20LXW-XXKEX-TCY-SOMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-20L-XW-GL-20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	43.4
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12671	12331	12287
55	5112	6711	5791
65	4441	5076	4891
75	4330	4346	4808
85	3148	2566	3140

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2107.130	2107.130	2107.130	2107.130	2107.130
2.5	2078.802	2076.143	2072.195	2079.941	2082.995
5.0	2050.473	2045.155	2037.259	2052.751	2058.859
7.5	1995.683	1986.420	1975.431	1995.125	2000.334
10.0	1940.892	1927.685	1913.603	1937.498	1941.809
12.5	1846.416	1836.941	1819.208	1839.106	1842.432
15.0	1751.940	1746.197	1724.813	1740.714	1743.054
17.5	1621.918	1628.442	1604.923	1616.573	1610.193
20.0	1491.896	1510.686	1485.032	1492.432	1477.332
22.5	1286.169	1349.197	1346.980	1325.528	1277.361
25.0	1080.441	1187.708	1208.927	1158.624	1077.390
27.5	808.420	925.107	1027.277	914.882	825.006
30.0	536.399	662.505	845.626	671.139	572.621
32.5	403.651	475.927	645.369	483.588	420.298
35.0	270.903	289.349	445.111	296.036	267.975
37.5	218.936	227.516	313.767	228.590	212.421
40.0	166.968	165.683	182.422	161.143	156.866
42.5	134.516	134.942	140.872	131.380	127.920
45.0	102.064	104.200	99.322	101.617	98.973
47.5	80.471	84.323	82.138	82.913	80.054
50.0	58.877	64.445	64.954	64.209	61.135
52.5	46.139	52.211	54.403	53.213	49.486
55.0	33.400	39.976	43.851	42.217	37.836
57.5	28.665	34.114	37.622	36.034	32.713
60.0	23.929	28.252	31.392	29.850	27.590
62.5	22.655	26.144	27.914	26.874	25.569
65.0	21.380	24.035	24.436	23.897	23.548
67.5	19.636	21.777	21.814	21.789	21.884
70.0	17.892	19.518	19.191	19.680	20.220
72.5	15.330	16.557	16.002	15.752	17.198
75.0	12.767	13.595	12.812	11.824	14.176
77.5	10.367	10.580	9.992	9.717	10.838
80.0	7.966	7.564	7.172	7.609	7.500
82.5	5.546	5.595	4.860	5.203	5.309
85.0	3.125	3.625	2.548	2.796	3.117
87.5	2.437	2.547	1.855	2.100	2.214
90.0	1.748	1.469	1.161	1.403	1.310
92.5	7.388	8.027	6.935	6.796	6.994
95.0	8.166	8.028	6.710	6.823	7.766
97.5	7.529	8.006	6.427	6.789	6.330
100.0	5.835	7.142	5.674	6.148	6.457
102.5	4.747	5.075	4.713	5.190	5.135
105.0	4.234	5.068	4.001	4.345	4.314
107.5	4.105	4.879	3.672	4.098	3.807
110.0	3.926	4.254	3.795	3.878	3.638
112.5	3.681	3.532	3.178	3.669	3.245
115.0	4.151	2.768	2.363	3.357	2.650
117.5	5.115	3.719	2.852	3.113	3.380
120.0	6.850	5.069	3.435	3.664	4.738
122.5	8.998	8.977	6.837	4.732	6.515
125.0	15.268	13.299	10.500	9.269	8.443

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127.5	23.326	21.714	18.129	14.774	14.743
130.0	35.743	30.527	26.461	24.785	22.260
132.5	49.628	45.062	40.550	35.893	35.845
135.0	70.282	59.942	55.940	50.727	50.645
137.5	92.718	87.703	78.379	69.417	71.932
140.0	150.131	119.346	110.422	98.476	94.102
142.5	214.096	215.924	179.358	161.741	178.487
145.0	403.366	325.656	289.013	297.094	267.744
147.5	607.661	553.797	520.727	466.403	502.338
150.0	765.002	766.052	726.034	693.791	737.943
152.5	919.160	888.750	869.973	871.925	872.026
155.0	1010.606	1003.057	992.943	980.941	1004.057
157.5	1100.553	1083.331	1077.231	1084.736	1109.771
160.0	1171.185	1162.224	1162.104	1182.569	1215.010
162.5	1242.164	1236.864	1247.873	1276.623	1316.752
165.0	1317.050	1310.162	1327.548	1367.102	1411.704
167.5	1389.979	1380.263	1399.649	1436.732	1472.697
170.0	1450.063	1443.780	1459.546	1490.050	1526.710
172.5	1506.100	1494.474	1506.889	1528.716	1555.582
175.0	1543.158	1537.374	1543.071	1558.083	1578.749
177.5	1575.059	1568.082	1569.748	1573.310	1586.048
180.0	1590.000	1590.000	1590.000	1590.000	1590.000

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Zone	Lumens	%Lamp	%Fixt
0-20	674.31	N.A.	23.80
0-30	1183.34	N.A.	41.70
0-40	1412.78	N.A.	49.80
0-60	1534.22	N.A.	54.10
0-80	1571.79	N.A.	55.40
0-90	1575.86	N.A.	55.60
10-90	1384.43	N.A.	48.80
20-40	738.48	N.A.	26.00
20-50	821.40	N.A.	29.00
40-70	145.10	N.A.	5.10
60-80	37.56	N.A.	1.30
70-80	13.90	N.A.	0.50
80-90	4.07	N.A.	0.10
90-110	11.89	N.A.	0.40
90-120	15.39	N.A.	0.50
90-130	27.04	N.A.	1.00
90-150	293.56	N.A.	10.30
90-180	1260.71	N.A.	44.40
110-180	1248.82	N.A.	44.00
0-180	2836.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.43
10-20	482.88
20-30	509.04
30-40	229.44
40-50	82.93
50-60	38.52
60-70	23.66
70-80	13.90
80-90	4.07
90-100	6.95
100-110	4.94
110-120	3.50
120-130	11.65
130-140	47.04
140-150	219.48
150-160	447.79
160-170	373.92
170-180	145.44

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

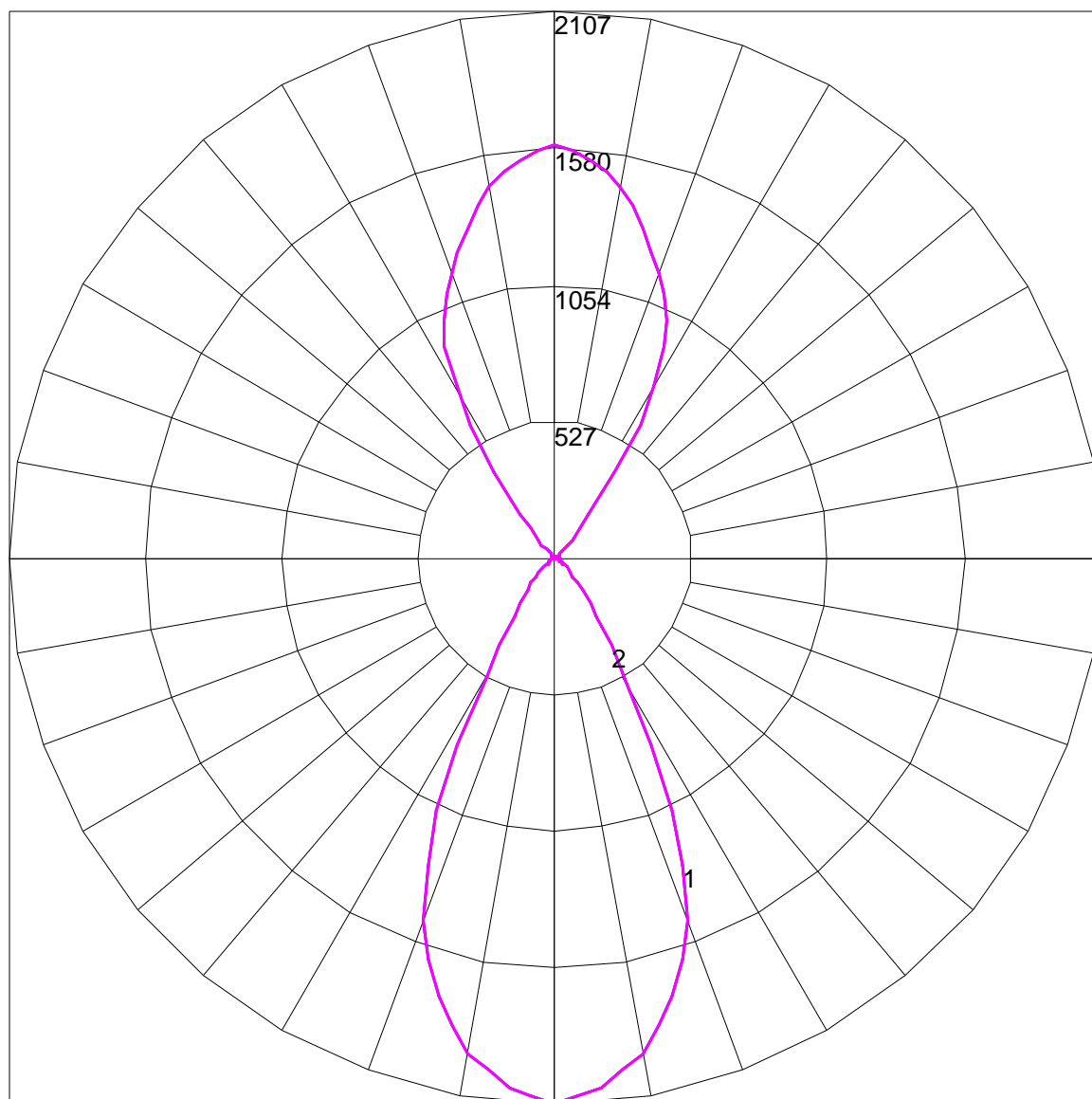
Effective Floor Cavity Reflectance 0.20

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	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	49	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

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POLAR GRAPH



Maximum Candela = 2107.13 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)