

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-20LMDGL-20LMD-XXKEX-TCY-SOMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_3
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-20L-MD-GL-20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2849
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	43.4
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-20LMDGL-20LMD-XXKEX-TCY-SOMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6983	7596	6546
55	5099	5209	4556
65	4915	4966	4239
75	4789	5416	5611
85	3560	5355	5737

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-20LMDGL-20LMD-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	3444.257	3444.257	3444.257	3444.257	3444.257
2.5	3354.618	3348.585	3366.288	3365.696	3370.767
5.0	3264.978	3252.912	3288.319	3287.135	3297.277
7.5	3041.674	3027.941	3059.962	3067.842	3076.961
10.0	2818.370	2802.969	2831.604	2848.548	2856.644
12.5	2523.086	2510.789	2535.293	2554.542	2560.499
15.0	2227.801	2218.609	2238.981	2260.536	2264.353
17.5	1934.376	1936.366	1957.391	1963.380	1958.374
20.0	1640.951	1654.123	1675.800	1666.223	1652.394
22.5	1352.575	1407.398	1441.882	1379.693	1339.171
25.0	1064.198	1160.672	1207.964	1093.162	1025.948
27.5	781.945	906.070	1013.007	826.605	721.137
30.0	499.692	651.468	818.049	560.047	416.325
32.5	332.875	449.593	624.709	378.281	279.310
35.0	166.058	247.718	431.369	196.514	142.294
37.5	124.931	170.954	286.960	142.566	111.802
40.0	83.804	94.190	142.551	88.618	81.309
42.5	70.027	76.065	101.867	73.164	67.017
45.0	56.249	57.940	61.183	57.709	52.725
47.5	49.188	50.485	52.256	50.143	45.438
50.0	42.126	43.030	43.328	42.577	38.150
52.5	37.720	38.503	38.683	37.586	33.958
55.0	33.313	33.976	34.037	32.595	29.765
57.5	30.199	30.433	31.200	29.572	26.608
60.0	27.084	26.890	28.362	26.548	23.451
62.5	25.374	25.175	26.134	24.948	21.930
65.0	23.664	23.460	23.905	23.348	20.408
67.5	21.695	22.515	22.370	21.717	20.080
70.0	19.725	21.569	20.835	20.085	19.751
72.5	16.922	18.585	18.402	18.170	18.147
75.0	14.118	15.600	15.969	16.254	16.542
77.5	11.258	12.296	12.881	13.306	13.853
80.0	8.397	8.992	9.793	10.357	11.163
82.5	5.966	6.364	7.555	8.103	8.430
85.0	3.534	3.735	5.317	5.849	5.696
87.5	2.474	2.456	3.612	3.737	3.879
90.0	1.414	1.176	1.906	1.625	2.061
92.5	8.923	8.749	6.976	7.398	7.068
95.0	9.573	7.451	8.106	6.795	6.185
97.5	7.426	7.673	6.754	5.803	6.177
100.0	6.838	6.888	5.959	5.350	5.023
102.5	6.840	6.157	5.225	5.110	4.100
105.0	6.408	5.726	4.330	4.544	3.468
107.5	5.069	4.561	4.610	4.200	2.992
110.0	4.632	3.966	4.486	3.826	3.024
112.5	4.393	3.776	4.070	3.429	3.062
115.0	4.060	3.427	3.432	2.864	2.866
117.5	3.799	3.052	2.757	2.275	2.733
120.0	3.758	3.388	3.013	3.473	2.720
122.5	4.064	3.758	3.298	4.612	3.042
125.0	5.121	4.576	3.664	4.862	3.850

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-20LMDGL-20LMD-XXKEX-TCY-SOMW (UP_DOWN).IES****CANDELA TABULATION - (Cont.)**

127.5	6.156	5.503	4.357	5.439	5.564
130.0	7.159	7.315	7.704	8.177	8.274
132.5	9.083	9.425	11.271	11.733	13.992
135.0	12.157	12.912	15.911	18.665	22.273
137.5	17.113	17.486	22.104	26.754	32.235
140.0	23.860	25.547	33.295	38.153	43.300
142.5	56.899	50.968	66.615	72.579	93.232
145.0	109.567	115.910	151.328	154.530	162.197
147.5	229.818	225.533	281.143	290.537	348.868
150.0	388.092	410.375	489.462	512.259	578.712
152.5	522.256	565.644	659.384	701.495	778.317
155.0	646.276	682.188	778.882	851.688	970.318
157.5	765.099	807.893	918.036	1016.232	1164.971
160.0	882.350	942.744	1077.432	1193.940	1360.032
162.5	1047.871	1106.036	1258.809	1392.014	1587.776
165.0	1222.919	1291.286	1457.450	1604.719	1818.099
167.5	1435.680	1498.205	1670.572	1822.628	2034.761
170.0	1652.675	1717.948	1892.292	2043.348	2246.321
172.5	1884.751	1932.175	2085.746	2214.546	2376.505
175.0	2115.647	2143.989	2266.373	2365.835	2493.085
177.5	2290.297	2300.386	2375.735	2437.355	2511.795
180.0	2492.000	2492.000	2492.000	2492.000	2492.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-20LMDGL-20LMD-XXKEX-TCY-SOMW (UP_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	916.02	N.A.	32.20
0-30	1426.85	N.A.	50.10
0-40	1615.01	N.A.	56.70
0-60	1694.87	N.A.	59.50
0-80	1734.4	N.A.	60.90
0-90	1740.15	N.A.	61.10
10-90	1443.13	N.A.	50.70
20-40	698.99	N.A.	24.50
20-50	748.68	N.A.	26.30
40-70	103.07	N.A.	3.60
60-80	39.53	N.A.	1.40
70-80	16.32	N.A.	0.60
80-90	5.74	N.A.	0.20
90-110	12.30	N.A.	0.40
90-120	15.67	N.A.	0.60
90-130	19.89	N.A.	0.70
90-150	142.69	N.A.	5.00
90-180	1108.47	N.A.	38.90
110-180	1096.17	N.A.	38.50
0-180	2848.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	297.02
10-20	619.01
20-30	510.82
30-40	188.17
40-50	49.69
50-60	30.17
60-70	23.21
70-80	16.32
80-90	5.74
90-100	7.07
100-110	5.23
110-120	3.37
120-130	4.23
130-140	13.32
140-150	109.48
150-160	354.19
160-170	407.06
170-180	204.54

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-20LMDGL-20LMD-XXKEX-TCY-SOMW (UP_DOWN).IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

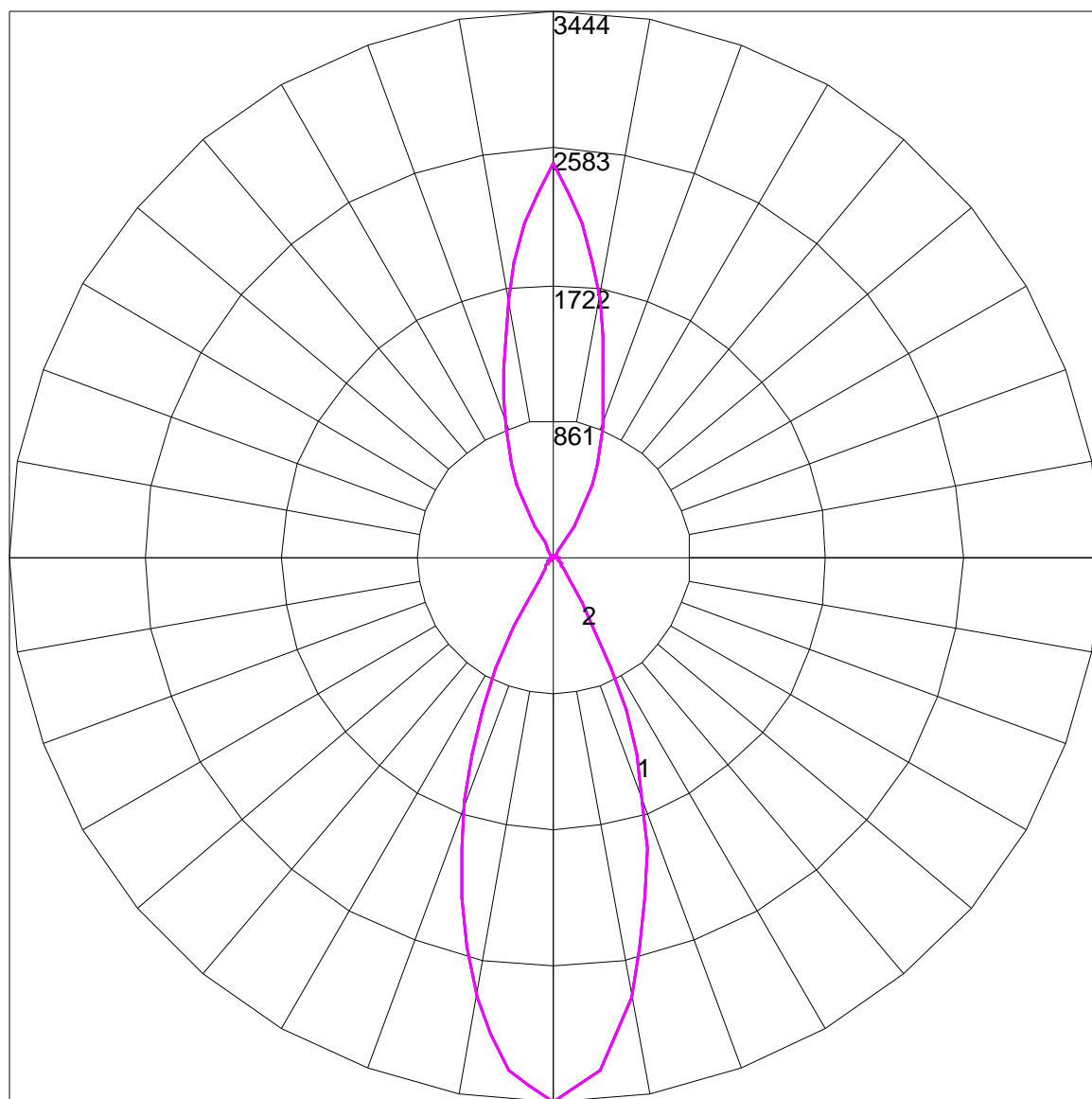
Effective Floor Cavity Reflectance 0.20

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	110	110	110	110	103	103	103	103	89	89	89	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	82	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	67	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	45	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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_3 ~ C06XXSQUDXT-20LMDGL-20LMD-XXKEX-TCY-SOMW (UP_DOWN).IES

POLAR GRAPH



Maximum Candela = 3444.257 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)