

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00633_2 ~ C06XXSQUDXT-20LNDGL-20LND-XXKEX-TCY-GLMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_2
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxSQUDXT-20L-ND-GL-20L-ND-xxK-EX-TCY-GL-MW (Up/Down)
 [LUMINAIRE] Nom. 6" Square x 18" H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H variant
 [OTHER] Uplight: Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 20 Degree Beam Angle
 [OTHER] Downlight: Narrow Beam, Clear Glass lens
 [OTHER] Downlight: 21 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	3386
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
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	4007	4513	4005
55	4623	4451	4669
65	4128	4827	4719
75	4276	4227	5161
85	2678	3265	4619

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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	8857.426	8857.426	8857.426	8857.426	8857.426
2.5	8136.389	8118.294	8115.419	8136.399	8186.361
5.0	7415.352	7379.161	7373.411	7415.372	7515.296
7.5	6017.372	5983.419	5981.093	5992.181	6085.237
10.0	4619.392	4587.677	4588.774	4568.989	4655.178
12.5	3549.340	3530.065	3542.003	3533.147	3573.568
15.0	2479.288	2472.452	2495.231	2497.305	2491.957
17.5	1953.409	1951.366	1979.190	1974.515	1957.228
20.0	1427.529	1430.280	1463.149	1451.725	1422.499
22.5	1137.739	1183.201	1229.275	1181.223	1121.207
25.0	847.949	936.122	995.401	910.720	819.914
27.5	589.751	728.290	854.535	648.438	561.099
30.0	331.552	520.457	713.669	386.156	302.284
32.5	198.850	325.439	548.706	241.021	175.074
35.0	66.148	130.421	383.743	95.885	47.864
37.5	51.322	85.286	236.536	67.173	41.352
40.0	36.496	40.151	89.328	38.461	34.839
42.5	34.386	36.833	62.840	35.506	33.550
45.0	32.275	33.514	36.351	32.551	32.260
47.5	32.103	32.438	33.060	30.724	31.909
50.0	31.930	31.362	29.768	28.897	31.557
52.5	31.069	30.136	29.426	28.382	31.033
55.0	30.208	28.909	29.083	27.867	30.509
57.5	27.157	26.862	27.935	27.236	28.680
60.0	24.105	24.814	26.786	26.605	26.850
62.5	21.990	23.796	25.013	26.034	24.785
65.0	19.875	22.778	23.240	25.462	22.720
67.5	19.112	20.848	21.520	22.496	20.576
70.0	18.349	18.917	19.800	19.530	18.431
72.5	15.478	16.462	16.131	17.615	16.824
75.0	12.606	14.007	12.462	15.699	15.216
77.5	9.741	10.516	10.498	11.996	12.260
80.0	6.876	7.025	8.534	8.293	9.304
82.5	4.768	4.716	5.888	6.071	6.945
85.0	2.659	2.406	3.242	3.849	4.586
87.5	1.518	1.203	2.415	2.452	2.858
90.0	0.376	0.000	1.588	1.055	1.130
92.5	10.252	10.888	10.036	9.892	10.654
95.0	8.850	9.007	7.885	8.700	9.962
97.5	8.293	8.416	7.743	8.198	6.921
100.0	7.606	6.305	7.314	5.449	6.021
102.5	6.120	5.256	6.076	4.381	5.572
105.0	4.752	4.449	4.819	3.267	4.879
107.5	3.540	3.839	3.943	2.991	3.993
110.0	2.932	3.922	3.353	2.865	3.253
112.5	2.672	3.865	3.342	2.465	2.833
115.0	3.007	3.542	3.092	2.180	2.858
117.5	3.074	3.413	2.605	2.046	2.668
120.0	2.799	3.545	2.536	2.026	2.342
122.5	3.000	3.466	2.780	2.118	2.358
125.0	3.740	3.138	2.954	2.677	2.536

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127.5	3.856	3.618	3.079	3.632	2.732
130.0	3.356	4.929	3.346	3.821	2.936
132.5	3.721	5.307	3.693	3.444	3.392
135.0	4.835	4.834	4.752	3.825	3.936
137.5	11.688	7.560	6.164	4.700	4.729
140.0	22.863	12.815	18.517	11.426	5.593
142.5	120.597	89.045	35.505	21.432	27.426
145.0	275.614	214.628	160.176	121.825	54.101
147.5	413.506	360.987	323.910	266.288	216.276
150.0	541.625	520.014	465.908	424.727	403.542
152.5	634.505	624.247	601.366	588.954	553.000
155.0	709.877	699.766	712.197	710.612	697.064
157.5	850.426	840.941	816.876	817.200	843.327
160.0	1018.509	1011.461	1027.953	1023.529	989.808
162.5	1348.129	1327.220	1260.048	1259.665	1325.437
165.0	1736.173	1698.769	1747.305	1739.956	1672.074
167.5	2454.276	2386.148	2273.899	2279.444	2389.877
170.0	3271.344	3176.654	3158.285	3151.614	3119.095
172.5	4342.441	4183.319	4081.826	4087.251	4159.483
175.0	5476.767	5247.868	4996.390	4993.044	5182.376
177.5	6049.815	5818.376	5910.307	5894.425	5812.987
180.0	6375.000	6375.000	6375.000	6375.000	6375.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1346.15	N.A.	39.80
0-30	1768.84	N.A.	52.20
0-40	1899.95	N.A.	56.10
0-60	1954.16	N.A.	57.70
0-80	1991.36	N.A.	58.80
0-90	1995.55	N.A.	58.90
10-90	1384.35	N.A.	40.90
20-40	553.80	N.A.	16.40
20-50	582.37	N.A.	17.20
40-70	76.86	N.A.	2.30
60-80	37.21	N.A.	1.10
70-80	14.55	N.A.	0.40
80-90	4.19	N.A.	0.10
90-110	13.22	N.A.	0.40
90-120	16.14	N.A.	0.50
90-130	18.91	N.A.	0.60
90-150	139.97	N.A.	4.10
90-180	1390.92	N.A.	41.10
110-180	1377.7	N.A.	40.70
0-180	3386.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	611.21
10-20	734.95
20-30	422.68
30-40	131.11
40-50	28.57
50-60	25.64
60-70	22.66
70-80	14.55
80-90	4.19
90-100	8.38
100-110	4.84
110-120	2.92
120-130	2.77
130-140	4.58
140-150	116.48
150-160	326.68
160-170	497.40
170-180	426.87

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

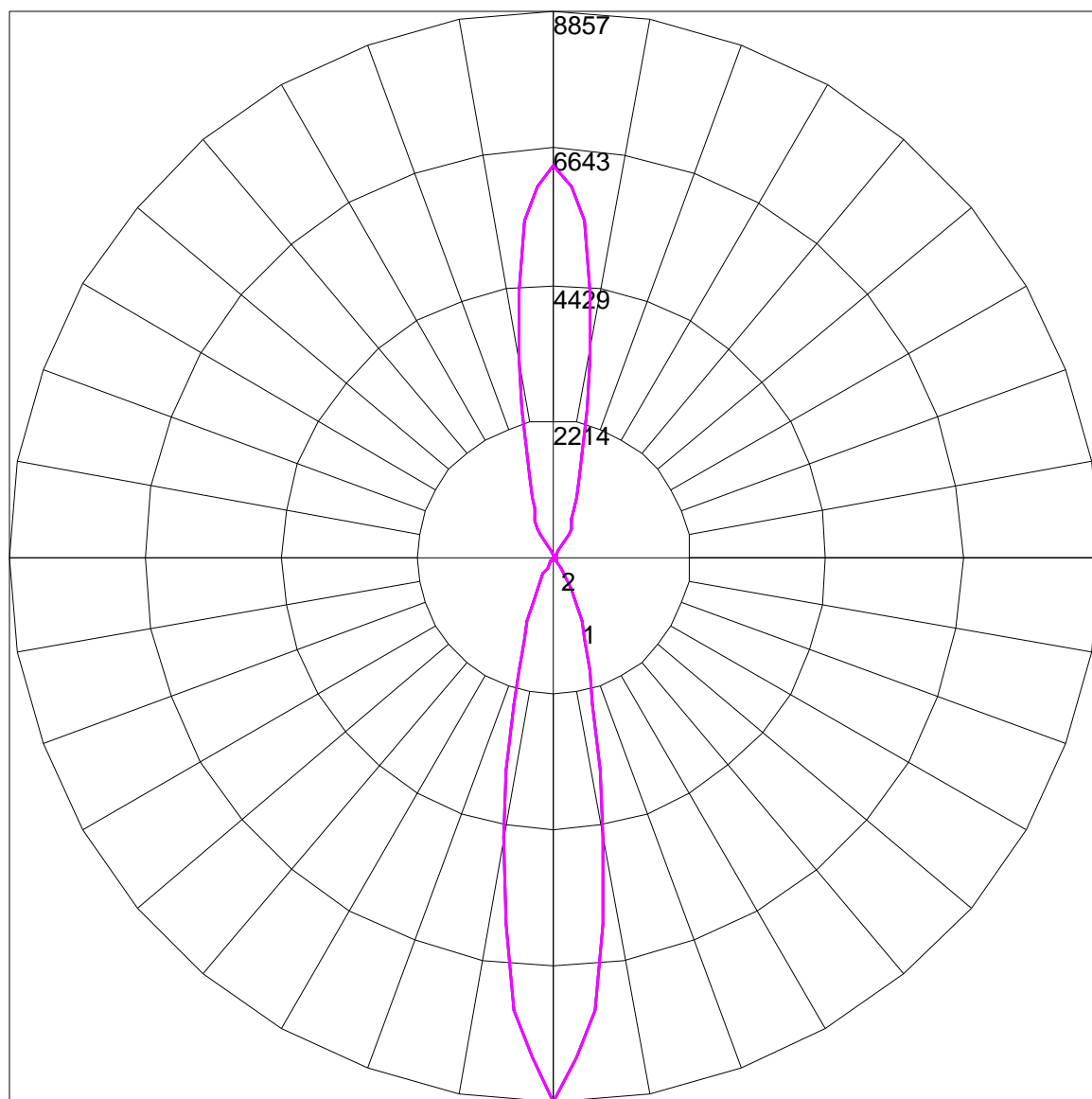
Effective Floor Cavity Reflectance 0.20

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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	103	100	97	95	96	94	91	89	82	81	79	72	71	70	62	61	61	56
2	97	92	88	84	91	87	83	80	77	74	72	68	66	65	59	58	57	54
3	92	85	80	76	86	81	76	73	72	69	66	64	62	60	57	56	54	51
4	87	79	74	69	82	75	71	67	68	65	62	61	59	57	55	53	52	49
5	83	74	68	64	78	71	66	62	65	61	58	59	56	54	53	51	50	47
6	79	70	64	60	74	67	62	58	61	57	55	56	53	51	51	49	48	45
7	75	66	60	56	71	63	58	55	58	55	52	54	51	49	49	47	46	44
8	72	63	57	53	68	60	55	52	56	52	49	52	49	47	48	46	44	42
9	69	60	54	50	65	57	53	49	54	50	47	50	47	45	46	44	43	41
10	66	57	51	48	63	55	50	47	51	48	45	48	45	43	45	43	41	40

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POLAR GRAPH



Maximum Candela = 8857.426 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)