

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00633_2 ~ C06XXSQUDXT-13LNDGL-13LND-XXKEX-TCY-GLMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00633_2_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/13/2017
 [UPDATE] 2/9/2018
 [LUMCAT] C06xxSQUDXT-13L-ND-GL-13L-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2201
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	26
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00633_2 ~ C06XXSQUDXT-13LNDGL-13LND-XXKEX-TCY-GLMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2605	2933	2603
55	3005	2893	3035
65	2684	3138	3068
75	2779	2747	3354
85	1741	2122	3003

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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	5757.327	5757.327	5757.327	5757.327	5757.327
2.5	5288.653	5276.891	5275.022	5288.659	5321.134
5.0	4819.979	4796.454	4792.717	4819.992	4884.942
7.5	3911.292	3889.222	3887.710	3894.918	3955.404
10.0	3002.605	2981.990	2982.703	2969.843	3025.866
12.5	2307.071	2294.542	2302.302	2296.545	2322.819
15.0	1611.537	1607.094	1621.900	1623.248	1619.772
17.5	1269.716	1268.388	1286.473	1283.435	1272.198
20.0	927.894	929.682	951.047	943.621	924.624
22.5	739.530	769.081	799.029	767.795	728.785
25.0	551.167	608.479	647.011	591.968	532.944
27.5	383.338	473.388	555.448	421.485	364.714
30.0	215.509	338.297	463.885	251.001	196.485
32.5	129.252	211.535	356.659	156.664	113.798
35.0	42.996	84.774	249.433	62.325	31.112
37.5	33.359	55.436	153.748	43.662	26.879
40.0	23.722	26.098	58.063	25.000	22.645
42.5	22.351	23.941	40.846	23.079	21.807
45.0	20.979	21.784	23.628	21.158	20.969
47.5	20.867	21.085	21.489	19.971	20.741
50.0	20.754	20.385	19.349	18.783	20.512
52.5	20.195	19.588	19.127	18.448	20.171
55.0	19.635	18.791	18.904	18.114	19.831
57.5	17.652	17.460	18.158	17.703	18.642
60.0	15.668	16.129	17.411	17.293	17.452
62.5	14.293	15.467	16.258	16.922	16.110
65.0	12.919	14.806	15.106	16.550	14.768
67.5	12.423	13.551	13.988	14.622	13.374
70.0	11.927	12.296	12.870	12.694	11.980
72.5	10.061	10.700	10.485	11.450	10.936
75.0	8.194	9.105	8.100	10.204	9.890
77.5	6.332	6.835	6.824	7.797	7.969
80.0	4.469	4.566	5.547	5.390	6.048
82.5	3.099	3.065	3.827	3.946	4.514
85.0	1.728	1.564	2.107	2.502	2.981
87.5	0.987	0.782	1.570	1.594	1.858
90.0	0.244	0.000	1.032	0.686	0.734
92.5	6.664	7.077	6.523	6.430	6.925
95.0	5.752	5.855	5.125	5.655	6.475
97.5	5.390	5.470	5.033	5.329	4.499
100.0	4.944	4.098	4.754	3.542	3.914
102.5	3.978	3.416	3.949	2.848	3.622
105.0	3.089	2.892	3.132	2.124	3.171
107.5	2.301	2.495	2.563	1.944	2.595
110.0	1.906	2.549	2.179	1.862	2.114
112.5	1.737	2.512	2.172	1.602	1.841
115.0	1.955	2.302	2.010	1.417	1.858
117.5	1.998	2.218	1.693	1.330	1.734
120.0	1.819	2.304	1.648	1.317	1.522
122.5	1.950	2.253	1.807	1.377	1.533
125.0	2.431	2.040	1.920	1.740	1.648

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127.5	2.506	2.352	2.001	2.361	1.776
130.0	2.181	3.204	2.175	2.484	1.908
132.5	2.419	3.450	2.400	2.239	2.205
135.0	3.143	3.142	3.089	2.486	2.558
137.5	7.597	4.914	4.007	3.055	3.074
140.0	14.861	8.330	12.036	7.427	3.635
142.5	78.388	57.879	23.078	13.931	17.827
145.0	179.149	139.508	104.114	79.186	35.166
147.5	268.779	234.642	210.541	173.087	140.579
150.0	352.056	338.009	302.840	276.073	262.302
152.5	412.428	405.761	390.888	382.820	359.450
155.0	461.420	454.848	462.928	461.898	453.092
157.5	552.777	546.612	530.969	531.180	548.163
160.0	662.031	657.450	668.169	665.294	643.375
162.5	876.284	862.693	819.031	818.782	861.534
165.0	1128.512	1104.200	1135.748	1130.971	1086.848
167.5	1595.279	1550.996	1478.034	1481.639	1553.420
170.0	2126.374	2064.825	2052.885	2048.549	2027.412
172.5	2822.587	2719.157	2653.187	2656.713	2703.664
175.0	3559.898	3411.114	3247.653	3245.478	3368.544
177.5	3932.380	3781.944	3841.699	3831.376	3778.441
180.0	4143.750	4143.750	4143.750	4143.750	4143.750

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Zone	Lumens	%Lamp	%Fixt
0-20	875.00	N.A.	39.80
0-30	1149.74	N.A.	52.20
0-40	1234.97	N.A.	56.10
0-60	1270.2	N.A.	57.70
0-80	1294.39	N.A.	58.80
0-90	1297.11	N.A.	58.90
10-90	899.83	N.A.	40.90
20-40	359.97	N.A.	16.40
20-50	378.54	N.A.	17.20
40-70	49.96	N.A.	2.30
60-80	24.18	N.A.	1.10
70-80	9.46	N.A.	0.40
80-90	2.72	N.A.	0.10
90-110	8.59	N.A.	0.40
90-120	10.49	N.A.	0.50
90-130	12.29	N.A.	0.60
90-150	90.98	N.A.	4.10
90-180	904.10	N.A.	41.10
110-180	895.51	N.A.	40.70
0-180	2201.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	397.28
10-20	477.72
20-30	274.74
30-40	85.22
40-50	18.57
50-60	16.66
60-70	14.73
70-80	9.46
80-90	2.72
90-100	5.45
100-110	3.15
110-120	1.90
120-130	1.80
130-140	2.98
140-150	75.71
150-160	212.34
160-170	323.31
170-180	277.47

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

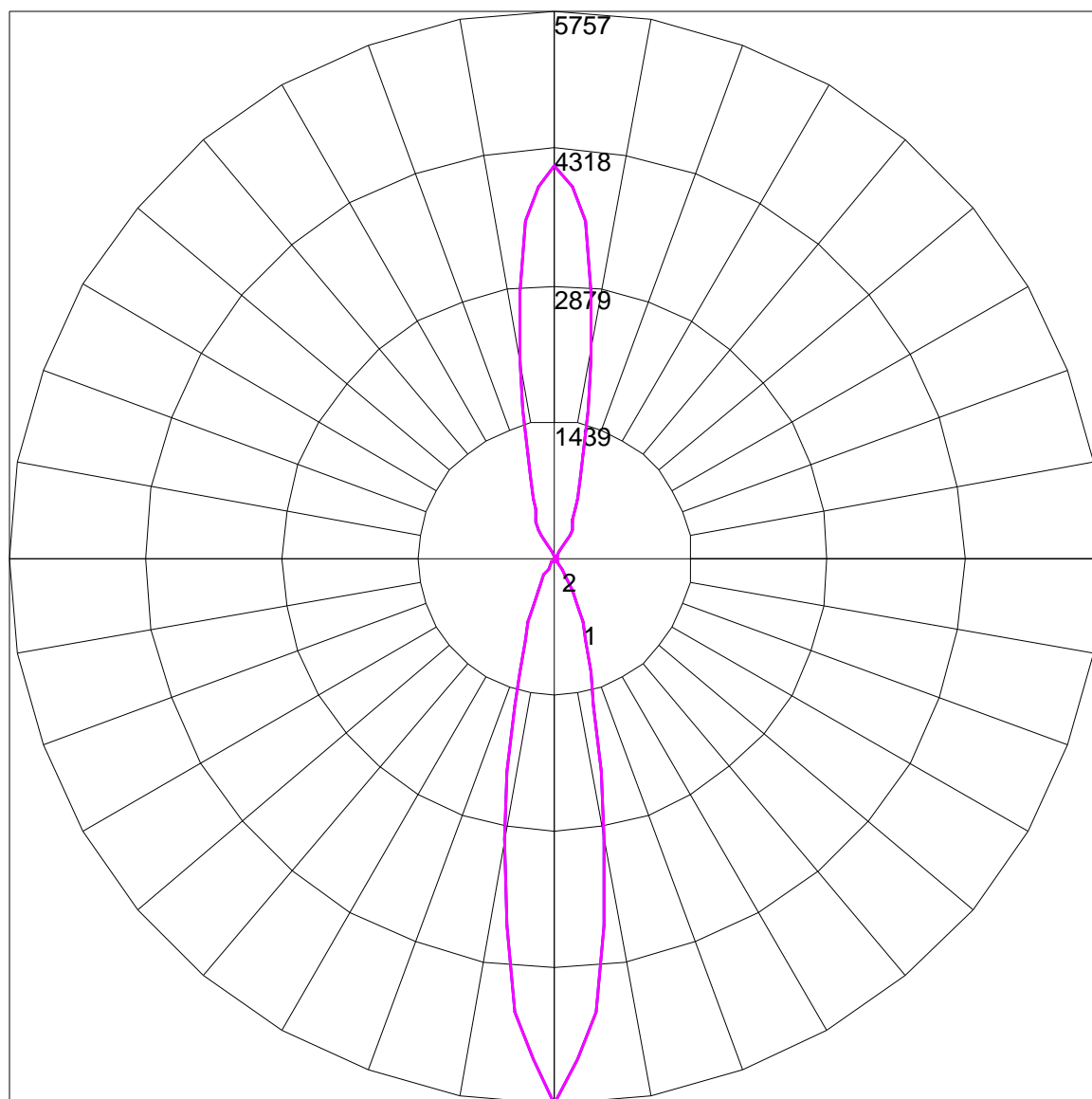
Effective Floor Cavity Reflectance 0.20

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 = 5757.327 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)