

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_17_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-10L-MD-GL-10L-MD-xxK-EX-TSG-SO-xx (Up/Down)
 [LUMINAIRE] Nom. 6" Diam. x 18"H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H. variant
 [OTHER] Uplight: Medium Beam, Flush Clear Glass lens
 [OTHER] Uplight: 39 Degree Beam Angle
 [OTHER] Downlight: Medium Beam, Regressed Solite lens
 [OTHER] Downlight: 39.6 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized aluminum
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES Uplight
 [OTHER] N/A, 19mm LES Downlight
 [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	1251
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	18.2
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	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	950	956	1030
55	203	200	224
65	46	73	91
75	107	161	114
85	255	283	309

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (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	1208.484	1208.484	1208.484	1208.484	1208.484
2.5	1172.419	1175.432	1179.386	1183.916	1189.768
5.0	1136.354	1142.380	1150.289	1159.348	1171.051
7.5	1058.342	1064.502	1073.800	1081.612	1092.983
10.0	980.329	986.623	997.311	1003.875	1014.915
12.5	882.807	888.440	897.416	904.244	912.777
15.0	785.284	790.256	797.520	804.613	810.638
17.5	690.352	694.384	700.192	706.221	710.392
20.0	595.419	598.511	602.863	607.828	610.145
22.5	511.955	514.145	518.115	521.792	523.963
25.0	428.489	429.779	433.367	435.756	437.781
27.5	354.050	354.045	358.325	360.745	362.599
30.0	279.610	278.312	283.284	285.735	287.417
32.5	202.455	205.882	210.401	213.173	214.785
35.0	125.299	133.453	137.518	140.610	142.153
37.5	81.828	84.920	88.853	91.308	91.828
40.0	38.355	36.387	40.187	42.005	41.503
42.5	25.311	24.159	26.265	27.746	27.398
45.0	12.267	11.931	12.343	13.486	13.292
47.5	8.741	8.266	8.736	9.646	9.201
50.0	5.214	4.602	5.128	5.805	5.110
52.5	3.670	3.240	3.613	4.164	3.729
55.0	2.125	1.877	2.098	2.523	2.348
57.5	1.489	1.444	1.473	1.850	1.801
60.0	0.854	1.011	0.847	1.177	1.254
62.5	0.605	0.786	0.704	0.945	0.979
65.0	0.355	0.562	0.561	0.714	0.704
67.5	0.391	0.603	0.511	0.667	0.590
70.0	0.428	0.643	0.461	0.620	0.476
72.5	0.467	0.470	0.611	0.514	0.507
75.0	0.506	0.298	0.761	0.408	0.538
77.5	0.517	0.353	0.610	0.463	0.564
80.0	0.528	0.409	0.459	0.519	0.589
82.5	0.467	0.479	0.455	0.500	0.541
85.0	0.405	0.550	0.450	0.482	0.492
87.5	0.203	0.512	0.425	0.564	0.550
90.0	0.000	0.474	0.400	0.645	0.607
92.5	2.449	3.288	2.265	3.030	0.688
95.0	3.411	3.350	3.156	2.886	0.676
97.5	3.133	3.043	2.745	2.709	0.858
100.0	2.854	2.737	2.334	2.532	1.040
102.5	2.553	2.566	2.196	2.424	0.961
105.0	2.252	2.395	2.058	2.315	0.881
107.5	2.364	2.359	2.177	2.068	0.900
110.0	2.475	2.323	2.295	1.822	0.920
112.5	2.412	2.189	2.298	1.974	1.362
115.0	2.350	2.055	2.302	2.126	1.805
117.5	2.714	2.466	2.472	2.351	2.187
120.0	3.078	2.876	2.642	2.577	2.569
122.5	3.568	3.435	3.253	3.349	3.097
125.0	4.056	3.995	3.863	4.121	3.625

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (UP_DOWN).IES****CANDELA TABULATION - (Cont.)**

127.5	5.341	5.212	5.438	5.404	4.999
130.0	6.625	6.428	7.012	6.688	6.373
132.5	10.428	10.624	10.582	10.418	10.812
135.0	14.231	14.819	14.152	14.147	15.251
137.5	36.436	37.162	35.120	35.517	37.380
140.0	58.641	59.505	56.087	56.887	59.508
142.5	114.397	110.283	110.925	108.323	108.819
145.0	170.153	161.060	165.763	159.759	158.129
147.5	230.566	220.094	226.276	219.440	216.951
150.0	290.979	279.128	286.789	279.121	275.773
152.5	342.884	335.553	340.000	335.808	332.375
155.0	394.789	391.978	393.212	392.496	388.978
157.5	473.719	466.317	470.461	467.818	463.895
160.0	552.650	540.657	547.711	543.140	538.812
162.5	650.843	637.601	646.088	641.242	637.631
165.0	749.037	734.545	744.466	739.346	736.450
167.5	858.244	840.845	853.333	845.617	843.292
170.0	967.453	947.145	962.201	951.889	950.134
172.5	1046.909	1031.006	1045.544	1036.102	1034.054
175.0	1126.365	1114.867	1128.887	1120.314	1117.975
177.5	1158.276	1152.527	1159.537	1155.251	1154.081
180.0	1189.845	1189.845	1189.845	1189.845	1189.845

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (UP_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	325.12	N.A.	26.00
0-30	523.49	N.A.	41.90
0-40	613.95	N.A.	49.10
0-60	629.49	N.A.	50.30
0-80	630.70	N.A.	50.40
0-90	631.22	N.A.	50.50
10-90	526.81	N.A.	42.10
20-40	288.83	N.A.	23.10
20-50	302.03	N.A.	24.10
40-70	16.21	N.A.	1.30
60-80	1.21	N.A.	0.10
70-80	0.54	N.A.	0.00
80-90	0.52	N.A.	0.00
90-110	4.85	N.A.	0.40
90-120	7.09	N.A.	0.60
90-130	10.93	N.A.	0.90
90-150	130.23	N.A.	10.40
90-180	619.59	N.A.	49.50
110-180	614.74	N.A.	49.10
0-180	1250.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.42
10-20	220.71
20-30	198.36
30-40	90.46
40-50	13.20
50-60	2.33
60-70	0.68
70-80	0.54
80-90	0.52
90-100	2.57
100-110	2.27
110-120	2.24
120-130	3.85
130-140	17.55
140-150	101.75
150-160	182.89
160-170	205.25
170-180	101.22

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (UP_DOWN).IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

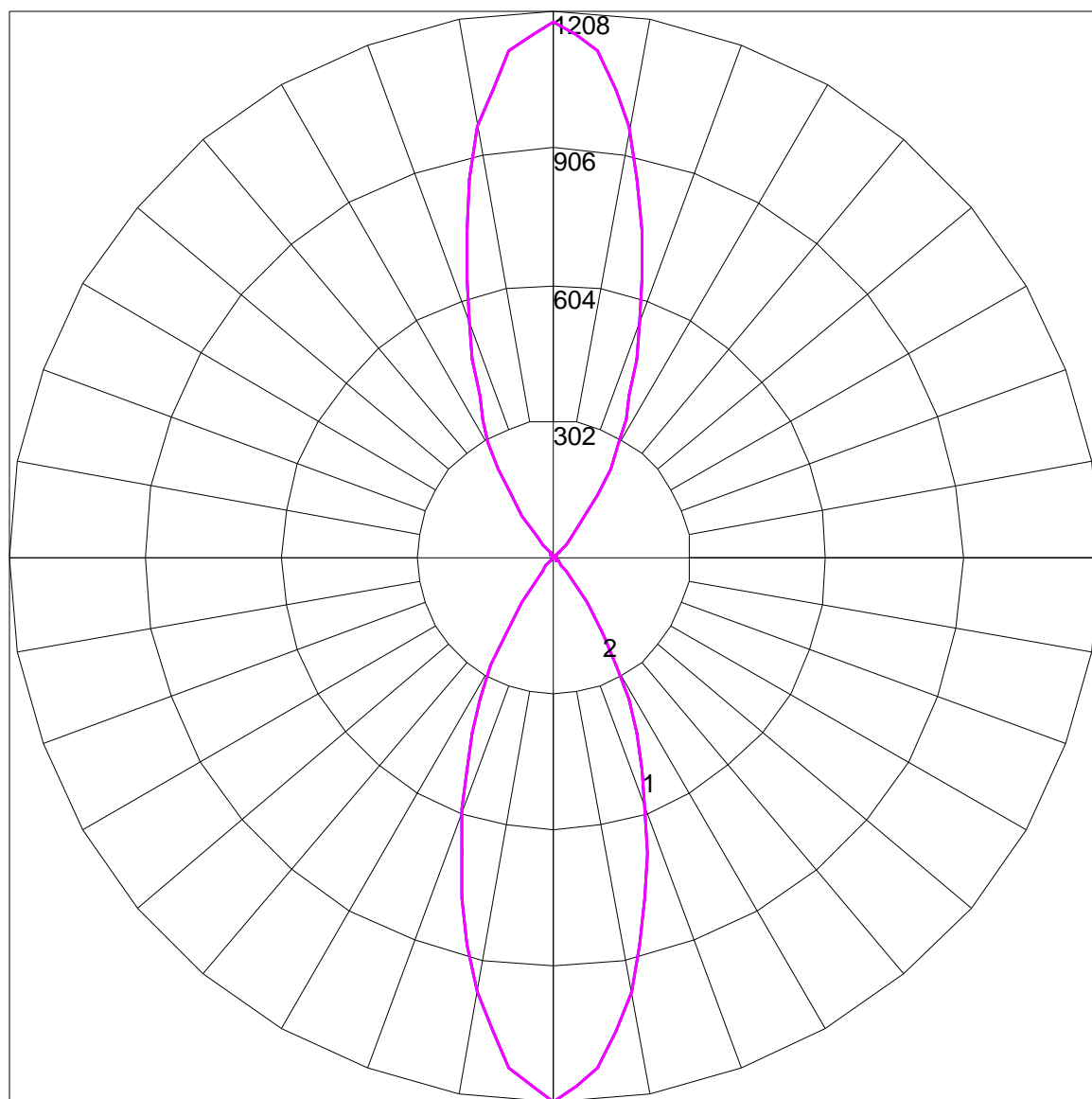
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50
1	100	97	94	92	93	90	88	86	77	75	74	65	64	63	54	53	53	48
2	94	89	84	80	87	83	79	75	71	69	66	61	59	58	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	43	40
5	78	69	63	58	73	65	60	55	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	43	45	42	40	40	38	37	34
8	66	56	49	45	62	53	48	44	48	44	41	43	40	38	38	36	35	33
9	62	52	46	42	58	50	44	41	45	41	38	41	38	35	37	34	33	31
10	59	49	43	39	56	47	42	38	43	39	36	39	36	34	35	33	31	30

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-10LMDGL-10LMD-XXKEX-TSG-SO (UP_DOWN).IES

POLAR GRAPH



Maximum Candela = 1208.484 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)