

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-13LMDGL-13LMD-XXKEX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_17_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-13L-MD-GL-13L-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	1685
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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	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-13LMDGL-13LMD-XXKEX-TSG-SO (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1280	1288	1387
55	273	270	302
65	62	98	123
75	144	217	153
85	343	381	417

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-13LMDGL-13LMD-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	1628.009	1628.009	1628.009	1628.009	1628.009
2.5	1579.425	1583.484	1588.811	1594.913	1602.796
5.0	1530.840	1538.958	1549.612	1561.815	1577.582
7.5	1425.746	1434.044	1446.570	1457.093	1472.412
10.0	1320.651	1329.129	1343.528	1352.371	1367.242
12.5	1189.273	1196.862	1208.954	1218.153	1229.647
15.0	1057.895	1064.594	1074.379	1083.934	1092.051
17.5	930.008	935.440	943.264	951.385	957.005
20.0	802.119	806.285	812.148	818.836	821.957
22.5	689.680	692.631	697.979	702.933	705.857
25.0	577.240	578.977	583.810	587.029	589.757
27.5	476.958	476.952	482.718	485.978	488.475
30.0	376.677	374.928	381.626	384.928	387.193
32.5	272.737	277.354	283.442	287.176	289.347
35.0	168.797	179.781	185.257	189.423	191.501
37.5	110.234	114.400	119.698	123.005	123.706
40.0	51.670	49.019	54.138	56.588	55.911
42.5	34.098	32.546	35.383	37.378	36.909
45.0	16.526	16.073	16.628	18.168	17.907
47.5	11.775	11.136	11.768	12.995	12.395
50.0	7.025	6.199	6.908	7.821	6.884
52.5	4.944	4.364	4.868	5.609	5.024
55.0	2.863	2.528	2.827	3.398	3.163
57.5	2.007	1.945	1.984	2.492	2.426
60.0	1.150	1.362	1.141	1.585	1.689
62.5	0.814	1.059	0.948	1.273	1.319
65.0	0.478	0.757	0.756	0.961	0.948
67.5	0.527	0.812	0.689	0.898	0.795
70.0	0.577	0.866	0.621	0.835	0.642
72.5	0.629	0.634	0.824	0.692	0.683
75.0	0.681	0.401	1.025	0.549	0.724
77.5	0.697	0.476	0.822	0.624	0.759
80.0	0.712	0.551	0.618	0.699	0.794
82.5	0.629	0.645	0.612	0.674	0.729
85.0	0.546	0.740	0.606	0.649	0.663
87.5	0.273	0.690	0.573	0.759	0.740
90.0	0.000	0.639	0.538	0.869	0.818
92.5	3.299	4.429	3.052	4.081	0.927
95.0	4.595	4.512	4.252	3.888	0.911
97.5	4.220	4.100	3.698	3.650	1.156
100.0	3.845	3.687	3.145	3.411	1.401
102.5	3.440	3.457	2.959	3.265	1.294
105.0	3.034	3.227	2.773	3.118	1.186
107.5	3.184	3.178	2.932	2.787	1.213
110.0	3.334	3.129	3.091	2.454	1.239
112.5	3.250	2.949	3.096	2.659	1.835
115.0	3.165	2.768	3.100	2.864	2.431
117.5	3.656	3.321	3.330	3.167	2.946
120.0	4.147	3.874	3.559	3.471	3.461
122.5	4.806	4.628	4.382	4.511	4.172
125.0	5.465	5.382	5.204	5.551	4.883

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-13LMDGL-13LMD-XXKEX-TSG-SO (UP_DOWN).IES****CANDELA TABULATION - (Cont.)**

127.5	7.195	7.021	7.325	7.281	6.734
130.0	8.925	8.660	9.446	9.010	8.585
132.5	14.048	14.312	14.256	14.034	14.565
135.0	19.172	19.963	19.065	19.058	20.545
137.5	49.085	50.063	47.312	47.847	50.356
140.0	78.998	80.163	75.558	76.636	80.166
142.5	154.110	148.568	149.433	145.928	146.595
145.0	229.222	216.973	223.308	215.220	213.024
147.5	310.607	296.500	304.828	295.619	292.265
150.0	391.992	376.028	386.348	376.018	371.507
152.5	461.916	452.040	458.032	452.384	447.760
155.0	531.840	528.053	529.716	528.751	524.012
157.5	638.171	628.200	633.782	630.220	624.936
160.0	744.503	728.346	737.849	731.691	725.861
162.5	876.784	858.944	870.378	863.850	858.985
165.0	1009.065	989.542	1002.907	996.010	992.109
167.5	1156.184	1132.745	1149.567	1139.174	1136.041
170.0	1303.304	1275.947	1296.229	1282.338	1279.973
172.5	1410.343	1388.920	1408.505	1395.785	1393.027
175.0	1517.383	1501.893	1520.781	1509.232	1506.080
177.5	1560.372	1552.627	1562.071	1556.296	1554.721
180.0	1602.900	1602.900	1602.900	1602.900	1602.900

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-13LMDGL-13LMD-XXKEX-TSG-SO (UP_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	437.99	N.A.	26.00
0-30	705.22	N.A.	41.90
0-40	827.09	N.A.	49.10
0-60	848.01	N.A.	50.30
0-80	849.65	N.A.	50.40
0-90	850.35	N.A.	50.50
10-90	709.69	N.A.	42.10
20-40	389.10	N.A.	23.10
20-50	406.88	N.A.	24.10
40-70	21.84	N.A.	1.30
60-80	1.64	N.A.	0.10
70-80	0.72	N.A.	0.00
80-90	0.70	N.A.	0.00
90-110	6.53	N.A.	0.40
90-120	9.55	N.A.	0.60
90-130	14.73	N.A.	0.90
90-150	175.44	N.A.	10.40
90-180	834.68	N.A.	49.50
110-180	828.15	N.A.	49.10
0-180	1685.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.66
10-20	297.33
20-30	267.23
30-40	121.87
40-50	17.78
50-60	3.14
60-70	0.91
70-80	0.72
80-90	0.70
90-100	3.47
100-110	3.06
110-120	3.02
120-130	5.18
130-140	23.65
140-150	137.07
150-160	246.38
160-170	276.50
170-180	136.36

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_17 ~ C06XXUDXT-13LMDGL-13LMD-XXKEX-TSG-SO (UP_DOWN).IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

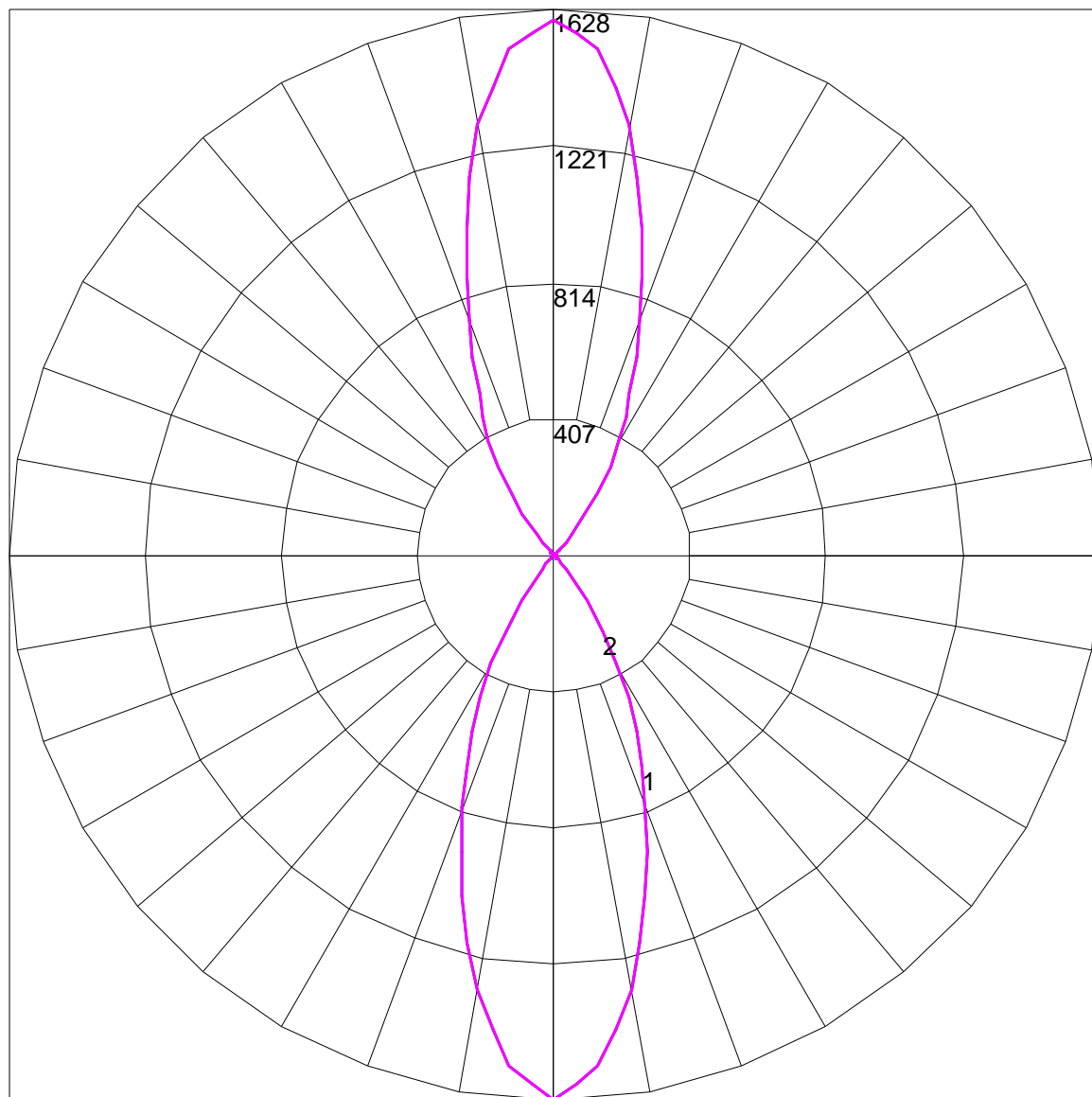
Effective Floor Cavity Reflectance 0.20

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	50	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-13LMDGL-13LMD-XXKEX-TSG-SO (UP_DOWN).IES

POLAR GRAPH



Maximum Candela = 1628.009 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)