

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00656 ~ C0816ADJUXT-13LMDGL-13LMD-XXK-EX-TSG-SO (UP_DOWN).IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00656_M-13L

[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[TESTDATE] Thu Aug 11 2016

[MANUFAC] Spectrum Lighting

[ISSUEDATE]

[UPDATE] 4/5/2018

[LUMCAT] C0816ADJUXT-13L-MD-GL-13L-MD-xxK-EX-TSG-SO (Up/Down)

[LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted

[OTHER] Uplight: Medium Beam, Flush Clear Glass lens

[OTHER] Uplight: 40 Degree Beam Angle

[OTHER] Downlight: Medium Beam, Flush Solite lens

[OTHER] Downlight: 46.1 Degree Beam Angle

[OTHER] Trim: Semi-diffuse clear anodized alum.

[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	2171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
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)	0.63 ft (Diameter)
Luminous Width (90-270)	0.63 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3163	3120	3228
55	514	552	564
65	140	131	143
75	8	11	4
85	5	2	5

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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	1433.042	1433.042	1433.042	1433.042	1433.042
2.5	1406.970	1411.234	1413.373	1407.263	1405.391
5.0	1380.892	1389.427	1393.697	1381.484	1377.733
7.5	1319.253	1322.782	1324.056	1320.585	1315.359
10.0	1257.613	1256.138	1254.415	1259.687	1252.979
12.5	1153.828	1150.987	1146.060	1152.430	1150.987
15.0	1050.042	1045.830	1037.699	1045.174	1048.996
17.5	936.221	936.195	931.996	935.096	929.708
20.0	822.399	826.553	826.293	825.019	810.413
22.5	735.455	736.411	737.509	736.606	732.511
25.0	648.505	646.262	648.726	648.186	654.602
27.5	576.634	574.762	576.478	576.394	580.502
30.0	504.764	503.262	504.231	504.601	506.395
32.5	437.261	437.593	437.846	437.794	438.704
35.0	369.759	371.923	371.455	370.987	371.007
37.5	297.225	297.511	297.219	297.297	297.940
40.0	224.692	223.099	222.976	223.606	224.867
42.5	144.248	143.383	142.961	143.617	144.995
45.0	63.804	63.661	62.946	63.622	65.123
47.5	39.734	39.643	39.500	39.721	40.631
50.0	15.658	15.619	16.048	15.821	16.133
52.5	12.038	12.519	12.538	12.467	12.681
55.0	8.417	9.418	9.028	9.113	9.230
57.5	6.909	7.462	7.384	7.351	7.260
60.0	5.401	5.499	5.739	5.583	5.291
62.5	3.549	3.594	3.659	3.588	3.510
65.0	1.690	1.690	1.579	1.592	1.729
67.5	0.890	0.903	0.851	0.864	0.910
70.0	0.091	0.117	0.117	0.130	0.091
72.5	0.078	0.091	0.104	0.097	0.065
75.0	0.058	0.065	0.084	0.065	0.032
77.5	0.045	0.045	0.065	0.045	0.026
80.0	0.032	0.026	0.045	0.026	0.019
82.5	0.026	0.019	0.026	0.026	0.019
85.0	0.013	0.013	0.006	0.026	0.013
87.5	0.006	0.006	0.006	0.013	0.006
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.175	0.214	0.169	0.188	0.156
110.0	0.344	0.422	0.338	0.370	0.305
112.5	1.111	1.118	1.066	1.105	1.001
115.0	1.872	1.807	1.787	1.839	1.690
117.5	1.950	1.904	1.891	1.885	1.800
120.0	2.028	1.995	1.995	1.924	1.904
122.5	2.372	2.359	2.392	2.301	2.366
125.0	2.717	2.723	2.788	2.671	2.827

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127.5	19.942	20.397	19.825	20.371	20.208
130.0	37.160	38.064	36.861	38.064	37.589
132.5	122.817	123.116	123.162	123.617	123.695
135.0	208.474	208.169	209.462	209.170	209.800
137.5	270.751	272.044	272.863	272.155	272.818
140.0	333.021	335.913	336.258	335.140	335.835
142.5	360.360	359.911	363.246	361.244	361.029
145.0	387.699	383.909	390.234	387.348	386.223
147.5	434.109	430.774	435.545	432.354	432.380
150.0	480.512	477.633	480.857	477.353	478.530
152.5	559.494	558.200	558.298	557.524	558.538
155.0	638.475	638.768	635.732	637.695	638.547
157.5	716.514	714.727	715.806	714.824	715.182
160.0	794.553	790.686	795.879	791.953	791.810
162.5	901.745	896.792	901.082	896.610	900.393
165.0	1008.936	1002.891	1006.278	1001.266	1008.969
167.5	1227.362	1227.843	1223.404	1224.990	1223.300
170.0	1445.788	1452.795	1440.523	1448.713	1437.631
172.5	1589.854	1609.146	1602.835	1595.730	1589.341
175.0	1733.914	1765.491	1765.140	1742.747	1741.051
177.5	1769.436	1785.225	1785.049	1773.850	1773.005
180.0	1804.400	1804.400	1804.400	1804.400	1804.400

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Zone	Lumens	%Lamp	%Fixt
0-20	416.90	N.A.	19.20
0-30	716.38	N.A.	33.00
0-40	943.87	N.A.	43.50
0-60	1021.47	N.A.	47.10
0-80	1023.73	N.A.	47.20
0-90	1023.74	N.A.	47.20
10-90	896.04	N.A.	41.30
20-40	526.96	N.A.	24.30
20-50	595.78	N.A.	27.40
40-70	79.79	N.A.	3.70
60-80	2.26	N.A.	0.10
70-80	0.07	N.A.	0.00
80-90	0.02	N.A.	0.00
90-110	0.10	N.A.	0.00
90-120	1.56	N.A.	0.10
90-130	11.35	N.A.	0.50
90-150	409.07	N.A.	18.80
90-180	1147.1	N.A.	52.80
110-180	1147.01	N.A.	52.80
0-180	2170.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.70
10-20	289.20
20-30	299.47
30-40	227.49
40-50	68.81
50-60	8.79
60-70	2.18
70-80	0.07
80-90	0.02
90-100	0.00
100-110	0.10
110-120	1.47
120-130	9.79
130-140	150.00
140-150	247.72
150-160	290.49
160-170	291.65
170-180	155.89

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

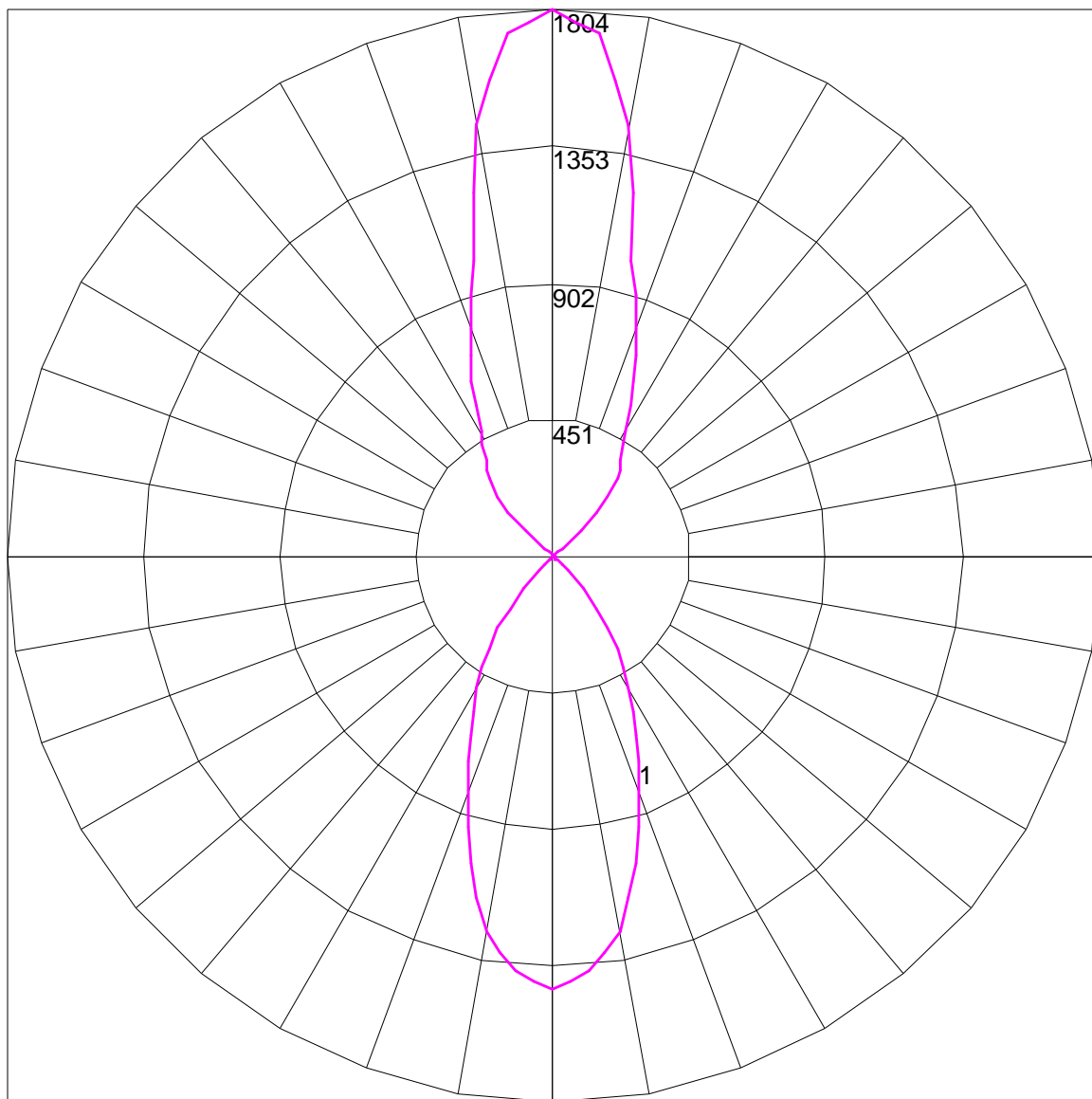
Effective Floor Cavity Reflectance 0.20

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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	99	96	93	90	91	89	86	84	75	73	72	62	61	60	51	50	50	44
2	93	87	82	78	85	80	76	73	69	66	63	58	56	54	48	47	46	41
3	86	79	73	68	80	73	68	64	63	60	57	54	51	49	45	44	42	38
4	81	72	66	61	75	67	62	57	58	54	51	50	47	45	42	41	39	36
5	75	66	59	54	70	62	56	52	54	50	46	47	44	41	40	38	36	33
6	71	61	54	49	66	57	51	47	50	46	42	44	41	38	38	36	34	31
7	66	56	49	45	62	53	47	43	47	42	39	41	38	35	36	33	32	29
8	62	52	45	41	58	49	43	39	44	39	36	38	35	33	34	31	30	27
9	59	48	42	38	55	46	40	36	41	36	33	36	33	31	32	30	28	26
10	55	45	39	35	52	43	37	34	38	34	31	34	31	29	30	28	26	24

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POLAR GRAPH



Maximum Candela = 1804.4 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)