

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00657 ~ C0816ADJUDXT-10LMDGL-10LMD-XXK-EX-TSG-SO (UP\_DOWN).IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00657\_M-10L  
 [TESTLAB] Photopia 2015.1.1 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)  
 [TESTDATE] Thu Aug 11 2016  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE]  
 [UPDATE] 4/5/2018  
 [LUMCAT] C0816ADJUDXT-10L-MD-GL-10L-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, scaled from 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1612
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
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)	0.63 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	2184	2193	2139
55	716	729	740
65	425	421	435
75	280	250	275
85	8	6	10

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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	1128.210	1128.210	1128.210	1128.210	1128.210
2.5	1106.778	1105.374	1106.865	1105.499	1101.490
5.0	1085.340	1082.532	1085.514	1082.788	1074.769
7.5	1039.599	1033.983	1036.699	1032.844	1030.538
10.0	993.858	985.434	987.880	982.896	986.302
12.5	908.514	905.522	905.831	899.891	905.817
15.0	823.164	825.606	823.782	816.887	825.326
17.5	732.107	731.142	731.649	728.628	733.931
20.0	641.045	636.673	639.515	640.369	642.536
22.5	565.152	561.601	563.377	564.414	562.995
25.0	489.260	486.524	487.238	488.459	483.455
27.5	423.857	422.752	420.938	423.312	422.588
30.0	358.454	358.980	354.633	358.165	361.716
32.5	298.692	299.758	297.727	298.976	301.032
35.0	238.929	240.531	240.816	239.783	240.343
37.5	179.437	180.624	180.860	179.635	179.939
40.0	119.940	120.717	120.900	119.481	119.535
42.5	82.001	82.498	82.565	81.504	81.345
45.0	44.057	44.279	44.231	43.526	43.155
47.5	32.028	32.270	32.139	31.647	31.314
50.0	19.995	20.260	20.048	19.763	19.469
52.5	15.855	16.333	15.990	15.773	15.792
55.0	11.715	12.400	11.927	11.783	12.116
57.5	9.795	10.152	10.094	9.751	9.800
60.0	7.874	7.899	8.260	7.720	7.479
62.5	6.499	6.499	6.673	6.374	6.364
65.0	5.119	5.100	5.081	5.028	5.250
67.5	4.227	4.212	4.140	4.222	4.391
70.0	3.329	3.324	3.199	3.411	3.527
72.5	2.702	2.683	2.523	2.620	2.779
75.0	2.070	2.036	1.848	1.829	2.031
77.5	1.061	1.057	0.960	0.941	1.057
80.0	0.048	0.072	0.068	0.053	0.082
82.5	0.034	0.048	0.043	0.039	0.053
85.0	0.019	0.024	0.014	0.024	0.024
87.5	0.010	0.014	0.010	0.014	0.014
90.0	0.000	0.005	0.000	0.005	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	0.130	0.159	0.125	0.140	0.116
110.0	0.256	0.314	0.251	0.275	0.227
112.5	0.825	0.830	0.791	0.820	0.743
115.0	1.390	1.341	1.327	1.365	1.254
117.5	1.447	1.414	1.404	1.399	1.337
120.0	1.505	1.481	1.481	1.428	1.414
122.5	1.761	1.751	1.776	1.708	1.756
125.0	2.017	2.022	2.070	1.983	2.099

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127.5	14.803	15.141	14.716	15.122	15.001
130.0	27.585	28.255	27.363	28.255	27.903
132.5	91.168	91.390	91.424	91.762	91.820
135.0	154.752	154.525	155.486	155.268	155.737
137.5	200.981	201.941	202.549	202.023	202.515
140.0	247.204	249.351	249.607	248.777	249.293
142.5	267.498	267.165	269.640	268.154	267.995
145.0	287.792	284.979	289.674	287.531	286.697
147.5	322.242	319.767	323.309	320.940	320.959
150.0	356.688	354.551	356.944	354.343	355.216
152.5	415.317	414.357	414.429	413.855	414.607
155.0	473.945	474.162	471.909	473.366	473.998
157.5	531.874	530.547	531.348	530.620	530.885
160.0	589.803	586.932	590.787	587.873	587.767
162.5	669.372	665.696	668.880	665.560	668.369
165.0	748.941	744.454	746.968	743.248	748.965
167.5	911.081	911.438	908.142	909.319	908.065
170.0	1073.220	1078.421	1069.312	1075.391	1067.165
172.5	1180.161	1194.482	1189.797	1184.523	1179.780
175.0	1287.098	1310.538	1310.277	1293.655	1292.396
177.5	1313.466	1325.186	1325.056	1316.742	1316.115
180.0	1339.420	1339.420	1339.420	1339.420	1339.420

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Zone	Lumens	%Lamp	%Fixt
0-20	326.86	N.A.	20.30
0-30	551.22	N.A.	34.20
0-40	698.85	N.A.	43.30
0-60	753.46	N.A.	46.70
0-80	760.66	N.A.	47.20
0-90	760.69	N.A.	47.20
10-90	660.65	N.A.	41.00
20-40	371.99	N.A.	23.10
20-50	415.07	N.A.	25.70
40-70	59.89	N.A.	3.70
60-80	7.20	N.A.	0.40
70-80	1.92	N.A.	0.10
80-90	0.03	N.A.	0.00
90-110	0.07	N.A.	0.00
90-120	1.16	N.A.	0.10
90-130	8.43	N.A.	0.50
90-150	303.66	N.A.	18.80
90-180	851.50	N.A.	52.80
110-180	851.43	N.A.	52.80
0-180	1612.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.04
10-20	226.83
20-30	224.36
30-40	147.63
40-50	43.08
50-60	11.53
60-70	5.29
70-80	1.92
80-90	0.03
90-100	0.00
100-110	0.07
110-120	1.09
120-130	7.27
130-140	111.35
140-150	183.88
150-160	215.63
160-170	216.49
170-180	115.72

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

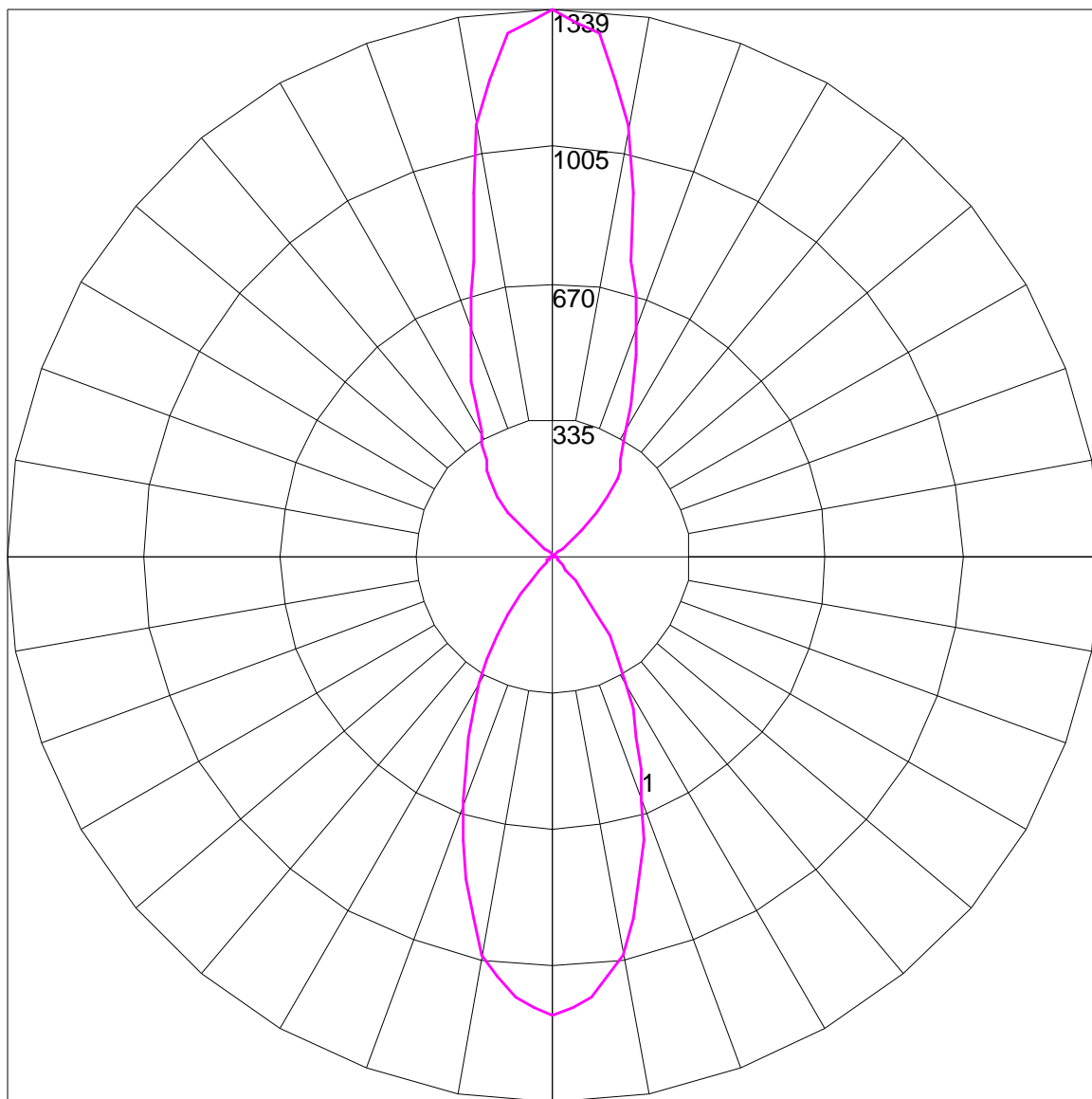
Effective Floor Cavity Reflectance 0.20

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	81	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	58	58	54	51	50	47	45	42	41	39	36
5	75	66	59	55	70	62	56	52	54	50	47	47	44	42	40	38	37	34
6	71	61	54	49	66	57	51	47	50	46	43	44	41	38	38	36	34	31
7	66	56	50	45	62	53	47	43	47	43	39	41	38	36	36	34	32	30
8	63	52	46	41	58	49	44	40	44	40	36	39	36	33	34	32	30	28
9	59	49	42	38	55	46	40	37	41	37	34	37	33	31	32	30	28	26
10	56	46	39	35	52	43	38	34	39	34	32	35	31	29	31	28	27	25

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## POLAR GRAPH



Maximum Candela = 1339.42 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)