

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00656\_2 ~ C0816ADJUXT-13LWDGL-13LWD-XXK-EX-TSG-SO (UP\_DOWN).IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu Aug 11 2016

[UPDATE] 4/5/2018

[TEST] SP-00656\_2\_M-13L

[MANUFAC] Spectrum Lighting

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

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

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

[OTHER] Uplight: 60 Degree Beam Angle

[OTHER] Downlight: Wide Beam, Flush Clear Glass lens

[OTHER] Downlight: 57.6 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	2216
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	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	3507	3528	3520
55	682	671	682
65	79	81	71
75	4	7	6
85	5	5	2

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00656\_2 ~ C0816ADJUXT-13LWDGL-13LWD-XXK-EX-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>
<b>0.0</b>	1111.155	1111.155	1111.155	1111.155	1111.155
<b>2.5</b>	1124.357	1121.659	1122.075	1131.078	1134.412
<b>5.0</b>	1137.558	1132.157	1132.989	1150.994	1157.663
<b>7.5</b>	1146.002	1144.910	1142.264	1153.282	1155.453
<b>10.0</b>	1154.439	1157.656	1151.533	1155.563	1153.236
<b>12.5</b>	1105.487	1109.829	1107.073	1110.161	1106.813
<b>15.0</b>	1056.529	1062.002	1062.613	1064.752	1060.390
<b>17.5</b>	974.278	976.111	978.887	981.552	976.072
<b>20.0</b>	892.027	890.220	895.160	898.352	891.754
<b>22.5</b>	802.353	801.196	803.861	807.157	805.460
<b>25.0</b>	712.679	712.166	712.556	715.955	719.160
<b>27.5</b>	633.542	631.527	631.598	633.555	634.523
<b>30.0</b>	554.398	550.888	550.634	551.154	549.887
<b>32.5</b>	479.290	476.430	476.625	476.872	475.533
<b>35.0</b>	404.176	401.966	402.610	402.584	401.180
<b>37.5</b>	319.949	321.139	321.938	320.684	320.391
<b>40.0</b>	235.722	240.305	241.267	238.777	239.596
<b>42.5</b>	153.237	155.363	156.221	155.623	155.304
<b>45.0</b>	70.752	70.421	71.175	72.462	71.006
<b>47.5</b>	45.565	45.565	45.701	46.319	45.766
<b>50.0</b>	20.377	20.702	20.228	20.176	20.527
<b>52.5</b>	15.769	15.905	15.600	15.626	15.840
<b>55.0</b>	11.154	11.108	10.972	11.069	11.154
<b>57.5</b>	8.209	8.209	8.060	8.079	8.177
<b>60.0</b>	5.258	5.310	5.148	5.089	5.193
<b>62.5</b>	3.107	3.126	3.068	3.003	3.029
<b>65.0</b>	0.955	0.936	0.981	0.916	0.858
<b>67.5</b>	0.507	0.507	0.533	0.494	0.507
<b>70.0</b>	0.058	0.071	0.078	0.065	0.149
<b>72.5</b>	0.045	0.065	0.065	0.065	0.097
<b>75.0</b>	0.032	0.052	0.052	0.065	0.045
<b>77.5</b>	0.032	0.045	0.045	0.052	0.032
<b>80.0</b>	0.032	0.032	0.039	0.039	0.019
<b>82.5</b>	0.026	0.026	0.026	0.026	0.013
<b>85.0</b>	0.013	0.019	0.013	0.006	0.006
<b>87.5</b>	0.006	0.013	0.006	0.006	0.006
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.026	0.026	0.019	0.019	0.006
<b>105.0</b>	0.045	0.045	0.039	0.032	0.013
<b>107.5</b>	0.780	0.747	0.780	0.695	0.780
<b>110.0</b>	1.514	1.449	1.521	1.352	1.540
<b>112.5</b>	2.782	2.678	2.645	2.710	2.782
<b>115.0</b>	4.049	3.906	3.770	4.062	4.023
<b>117.5</b>	3.854	3.965	3.880	4.043	3.913
<b>120.0</b>	3.659	4.017	3.984	4.017	3.796
<b>122.5</b>	3.991	4.186	4.108	4.205	3.958
<b>125.0</b>	4.316	4.348	4.225	4.387	4.121

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127.5	21.677	21.638	20.897	21.723	21.456
130.0	39.032	38.928	37.570	39.052	38.792
132.5	107.308	106.795	106.041	106.749	105.677
135.0	175.578	174.661	174.512	174.447	172.562
137.5	244.471	242.625	243.184	243.028	242.060
140.0	313.358	310.589	311.857	311.610	311.558
142.5	362.238	360.691	362.277	361.588	361.374
145.0	411.118	410.793	412.691	411.560	411.190
147.5	459.465	460.128	461.682	460.921	461.448
150.0	507.806	509.457	510.666	510.276	511.699
152.5	577.466	579.494	579.254	579.826	579.650
155.0	647.120	649.525	647.842	649.369	647.595
157.5	793.858	796.406	793.650	792.187	793.403
160.0	940.589	943.286	939.451	935.005	939.204
162.5	1037.952	1041.618	1039.909	1035.950	1041.573
165.0	1135.309	1139.950	1140.366	1136.889	1143.935
167.5	1220.524	1227.343	1232.842	1231.015	1222.390
170.0	1305.733	1314.735	1325.311	1325.135	1300.838
172.5	1281.299	1285.882	1296.256	1296.925	1279.791
175.0	1256.866	1257.022	1267.201	1268.709	1258.744
177.5	1194.446	1194.524	1199.614	1200.368	1195.389
180.0	1131.650	1131.650	1131.650	1131.650	1131.650

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Zone	Lumens	%Lamp	%Fixt
0-20	401.10	N.A.	18.10
0-30	728.96	N.A.	32.90
0-40	975.74	N.A.	44.00
0-60	1061.89	N.A.	47.90
0-80	1063.69	N.A.	48.00
0-90	1063.71	N.A.	48.00
10-90	954.53	N.A.	43.10
20-40	574.64	N.A.	25.90
20-50	650.21	N.A.	29.30
40-70	87.89	N.A.	4.00
60-80	1.80	N.A.	0.10
70-80	0.06	N.A.	0.00
80-90	0.02	N.A.	0.00
90-110	0.40	N.A.	0.00
90-120	3.68	N.A.	0.20
90-130	14.85	N.A.	0.70
90-150	403.20	N.A.	18.20
90-180	1152.59	N.A.	52.00
110-180	1152.19	N.A.	52.00
0-180	2216.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	109.17
10-20	291.93
20-30	327.86
30-40	246.78
40-50	75.58
50-60	10.58
60-70	1.74
70-80	0.06
80-90	0.02
90-100	0.00
100-110	0.40
110-120	3.28
120-130	11.17
130-140	132.47
140-150	255.88
150-160	311.99
160-170	315.93
170-180	121.47

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

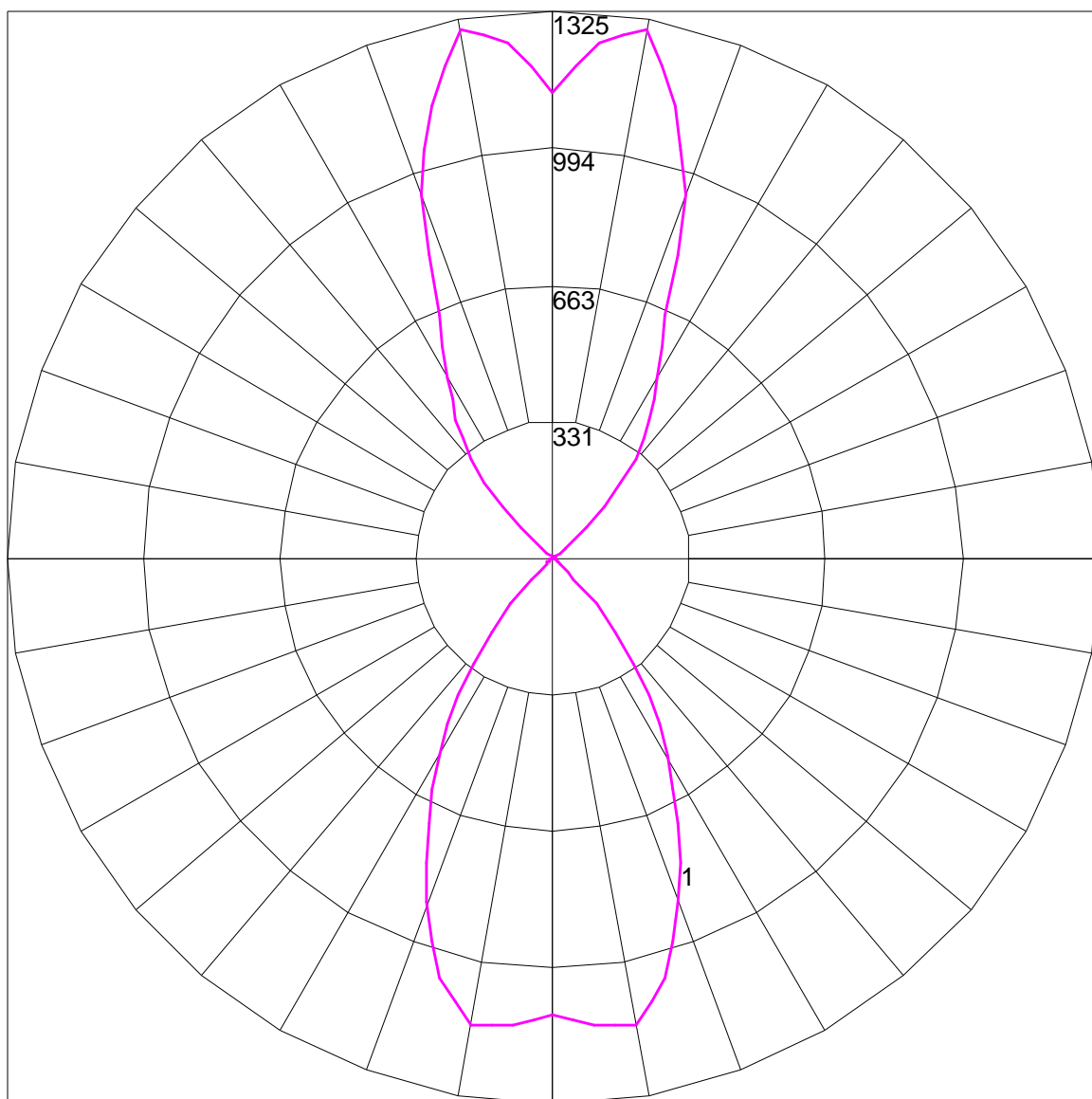
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	100	96	93	90	92	89	86	84	75	74	72	63	62	61	51	51	50	45
2	93	87	82	78	86	81	77	73	69	66	64	58	56	55	48	47	46	42
3	86	79	73	68	80	74	68	64	63	60	57	54	52	50	45	44	43	39
4	81	72	65	61	75	67	62	57	58	54	51	50	47	45	43	41	39	36
5	75	66	59	54	70	62	56	52	54	50	46	47	44	41	40	38	36	33
6	70	60	54	49	65	57	51	47	50	46	42	44	40	38	38	36	34	31
7	66	56	49	44	61	53	47	42	47	42	39	41	38	35	36	33	32	29
8	62	52	45	41	58	49	43	39	43	39	36	38	35	33	34	31	29	27
9	58	48	42	37	55	45	40	36	41	36	33	36	33	30	32	29	28	26
10	55	45	38	34	52	42	37	33	38	34	31	34	31	28	30	28	26	24

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## POLAR GRAPH



Maximum Candela = 1325.311 Located At Horizontal Angle = 45, Vertical Angle = 170  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)