

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00656_2 ~ C0816ADJUXT-10LWDGL-10LWD-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

[ISSUE DATE]

[TEST DATE] Thu Aug 11 2016

[UPDATE] 4/5/2018

[TEST] SP-00656_2_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] C0816ADJUXT-10L-WD-GL-10L-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	1645
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	2603	2619	2613
55	506	498	506
65	59	60	53
75	3	5	5
85	4	4	2

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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	824.819	824.819	824.819	824.819	824.819
2.5	834.619	832.616	832.925	839.608	842.083
5.0	844.418	840.409	841.026	854.392	859.342
7.5	850.686	849.875	847.912	856.090	857.702
10.0	856.949	859.337	854.792	857.784	856.056
12.5	820.612	823.835	821.789	824.081	821.596
15.0	784.270	788.333	788.786	790.374	787.136
17.5	723.214	724.575	726.635	728.614	724.546
20.0	662.159	660.818	664.485	666.854	661.956
22.5	595.593	594.734	596.713	599.159	597.900
25.0	529.027	528.646	528.936	531.459	533.838
27.5	470.283	468.787	468.840	470.293	471.012
30.0	411.534	408.928	408.740	409.126	408.185
32.5	355.781	353.658	353.803	353.986	352.992
35.0	300.023	298.383	298.860	298.841	297.799
37.5	237.501	238.384	238.977	238.046	237.829
40.0	174.979	178.380	179.094	177.246	177.854
42.5	113.749	115.327	115.964	115.520	115.284
45.0	52.520	52.274	52.834	53.789	52.708
47.5	33.823	33.823	33.925	34.383	33.973
50.0	15.126	15.368	15.015	14.977	15.237
52.5	11.705	11.807	11.580	11.599	11.759
55.0	8.280	8.246	8.145	8.217	8.280
57.5	6.094	6.094	5.983	5.997	6.070
60.0	3.903	3.942	3.821	3.778	3.855
62.5	2.306	2.321	2.277	2.229	2.248
65.0	0.709	0.695	0.729	0.680	0.637
67.5	0.376	0.376	0.396	0.367	0.376
70.0	0.043	0.053	0.058	0.048	0.111
72.5	0.034	0.048	0.048	0.048	0.072
75.0	0.024	0.039	0.039	0.048	0.034
77.5	0.024	0.034	0.034	0.039	0.024
80.0	0.024	0.024	0.029	0.029	0.014
82.5	0.019	0.019	0.019	0.019	0.010
85.0	0.010	0.014	0.010	0.005	0.005
87.5	0.005	0.010	0.005	0.005	0.005
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	0.019	0.019	0.014	0.014	0.005
105.0	0.034	0.034	0.029	0.024	0.010
107.5	0.579	0.555	0.579	0.516	0.579
110.0	1.124	1.076	1.129	1.004	1.144
112.5	2.065	1.988	1.964	2.012	2.065
115.0	3.006	2.900	2.798	3.016	2.987
117.5	2.861	2.943	2.881	3.001	2.905
120.0	2.716	2.982	2.958	2.982	2.818
122.5	2.963	3.107	3.049	3.122	2.938
125.0	3.204	3.228	3.136	3.257	3.059

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127.5	16.091	16.062	15.512	16.125	15.927
130.0	28.974	28.897	27.888	28.989	28.796
132.5	79.656	79.275	78.715	79.241	78.445
135.0	130.333	129.653	129.542	129.493	128.094
137.5	181.473	180.103	180.518	180.402	179.683
140.0	232.608	230.553	231.494	231.310	231.272
142.5	268.892	267.744	268.921	268.410	268.251
145.0	305.176	304.935	306.344	305.505	305.229
147.5	341.065	341.557	342.710	342.146	342.536
150.0	376.948	378.174	379.071	378.782	379.838
152.5	428.658	430.163	429.985	430.409	430.279
155.0	480.363	482.148	480.898	482.032	480.715
157.5	589.287	591.178	589.132	588.047	588.949
160.0	698.206	700.209	697.362	694.062	697.179
162.5	770.480	773.201	771.932	768.994	773.168
165.0	842.749	846.194	846.503	843.921	849.152
167.5	906.005	911.066	915.148	913.792	907.389
170.0	969.256	975.938	983.789	983.658	965.622
172.5	951.118	954.520	962.221	962.718	949.999
175.0	932.981	933.097	940.653	941.772	934.376
177.5	886.647	886.705	890.483	891.042	887.346
180.0	840.032	840.032	840.032	840.032	840.032

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Zone	Lumens	%Lamp	%Fixt
0-20	297.74	N.A.	18.10
0-30	541.11	N.A.	32.90
0-40	724.30	N.A.	44.00
0-60	788.25	N.A.	47.90
0-80	789.59	N.A.	48.00
0-90	789.60	N.A.	48.00
10-90	708.56	N.A.	43.10
20-40	426.56	N.A.	25.90
20-50	482.66	N.A.	29.30
40-70	65.24	N.A.	4.00
60-80	1.34	N.A.	0.10
70-80	0.04	N.A.	0.00
80-90	0.01	N.A.	0.00
90-110	0.30	N.A.	0.00
90-120	2.73	N.A.	0.20
90-130	11.03	N.A.	0.70
90-150	299.30	N.A.	18.20
90-180	855.57	N.A.	52.00
110-180	855.28	N.A.	52.00
0-180	1645.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.04
10-20	216.70
20-30	243.37
30-40	183.19
40-50	56.10
50-60	7.85
60-70	1.29
70-80	0.04
80-90	0.01
90-100	0.00
100-110	0.30
110-120	2.44
120-130	8.29
130-140	98.33
140-150	189.94
150-160	231.59
160-170	234.51
170-180	90.17

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

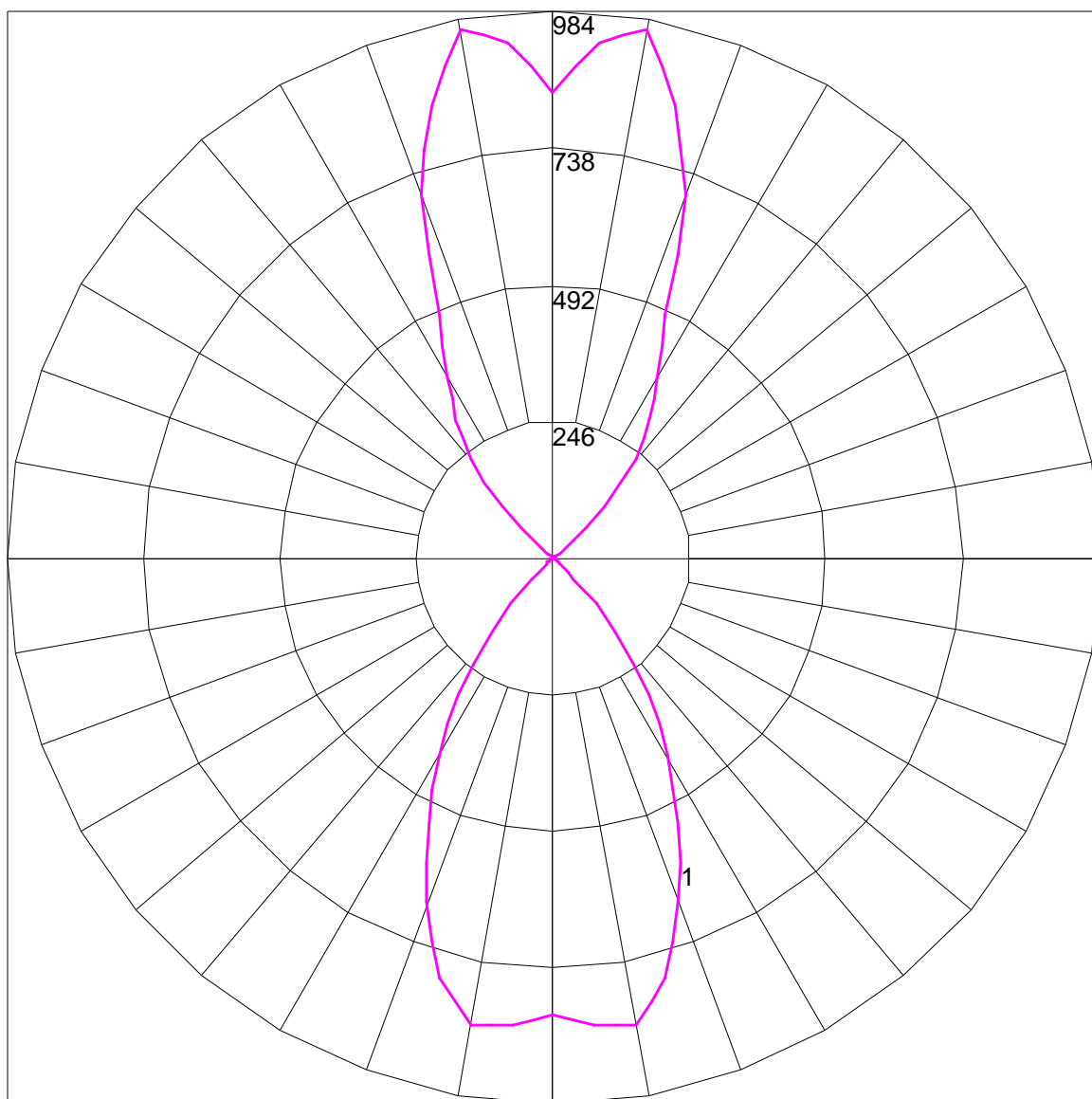
Effective Floor Cavity Reflectance 0.20

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 = 983.789 Located At Horizontal Angle = 45, Vertical Angle = 170
1 - Vertical Plane Through Horizontal Angles (0 - 180)