

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00656 ~ C0816ADJUXT-10LMDGL-10LMD-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00656_M-10L
 [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-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1611
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00656 ~ C0816ADJXT-10LMDGL-10LMD-XXK-EX-TSG-SO (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2348	2316	2396
55	382	410	419
65	104	97	106
75	6	9	3
85	4	2	4

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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	1063.758	1063.758	1063.758	1063.758	1063.758
2.5	1044.405	1047.570	1049.158	1044.622	1043.233
5.0	1025.047	1031.382	1034.552	1025.486	1022.702
7.5	979.292	981.912	982.857	980.281	976.401
10.0	933.536	932.441	931.162	935.075	930.096
12.5	856.495	854.387	850.730	855.458	854.387
15.0	779.455	776.328	770.292	775.841	778.678
17.5	694.964	694.945	691.828	694.129	690.129
20.0	610.473	613.557	613.364	612.418	601.576
22.5	545.934	546.644	547.459	546.788	543.749
25.0	481.390	479.726	481.554	481.154	485.916
27.5	428.040	426.651	427.924	427.862	430.911
30.0	374.690	373.576	374.295	374.570	375.901
32.5	324.583	324.829	325.017	324.978	325.654
35.0	274.475	276.082	275.734	275.387	275.401
37.5	220.633	220.845	220.628	220.686	221.164
40.0	166.791	165.608	165.517	165.985	166.921
42.5	107.076	106.435	106.121	106.608	107.631
45.0	47.362	47.256	46.725	47.227	48.342
47.5	29.495	29.428	29.322	29.486	30.161
50.0	11.623	11.594	11.913	11.744	11.976
52.5	8.936	9.293	9.307	9.254	9.414
55.0	6.248	6.991	6.702	6.765	6.851
57.5	5.129	5.539	5.481	5.457	5.390
60.0	4.010	4.082	4.260	4.145	3.928
62.5	2.634	2.668	2.716	2.663	2.605
65.0	1.254	1.254	1.172	1.182	1.283
67.5	0.661	0.671	0.632	0.642	0.675
70.0	0.068	0.087	0.087	0.096	0.068
72.5	0.058	0.068	0.077	0.072	0.048
75.0	0.043	0.048	0.063	0.048	0.024
77.5	0.034	0.034	0.048	0.034	0.019
80.0	0.024	0.019	0.034	0.019	0.014
82.5	0.019	0.014	0.019	0.019	0.014
85.0	0.010	0.010	0.005	0.019	0.010
87.5	0.005	0.005	0.005	0.010	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	0.000	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	309.47	N.A.	19.20
0-30	531.77	N.A.	33.00
0-40	700.64	N.A.	43.50
0-60	758.24	N.A.	47.10
0-80	759.92	N.A.	47.20
0-90	759.93	N.A.	47.20
10-90	665.14	N.A.	41.30
20-40	391.17	N.A.	24.30
20-50	442.25	N.A.	27.40
40-70	59.23	N.A.	3.70
60-80	1.68	N.A.	0.10
70-80	0.05	N.A.	0.00
80-90	0.01	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	1611.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	94.79
10-20	214.68
20-30	222.30
30-40	168.87
40-50	51.08
50-60	6.52
60-70	1.62
70-80	0.05
80-90	0.01
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

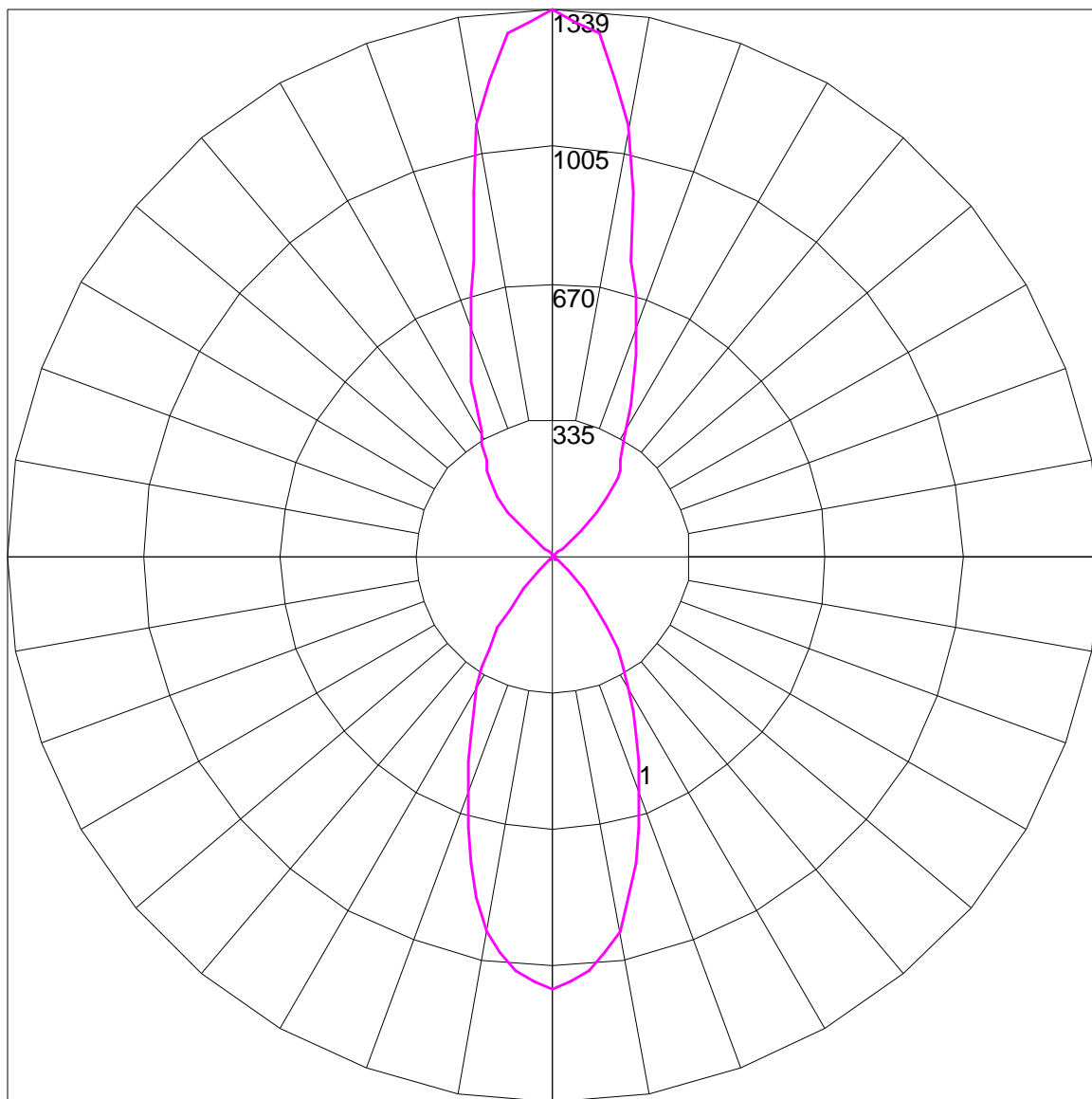
Effective Floor Cavity Reflectance 0.20

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	57	58	54	51	50	47	45	42	41	39	36
5	75	66	59	54	70	62	56	52	54	50	47	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	28
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 = 1339.42 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)