

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657 ~ C0816ADJUDXT-13LMDGL-13LMD-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00657_M-13L
 [TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies
 [TESTDATE] Thu Aug 11 2016
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE]
 [UPDATE] 4/5/2018
 [LUMCAT] C0816ADJUDXT-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2172
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00657 ~ C0816ADJUDXT-13LMDGL-13LMD-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	2942	2954	2882
55	964	982	997
65	572	568	587
75	378	337	371
85	10	8	13

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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	1519.869	1519.869	1519.869	1519.869	1519.869
2.5	1490.996	1489.104	1491.113	1489.273	1483.872
5.0	1462.116	1458.333	1462.350	1458.678	1447.875
7.5	1400.496	1392.930	1396.590	1391.396	1388.289
10.0	1338.876	1327.527	1330.823	1324.108	1328.697
12.5	1223.904	1219.874	1220.290	1212.289	1220.271
15.0	1108.926	1112.215	1109.758	1100.469	1111.838
17.5	986.258	984.958	985.640	981.571	988.715
20.0	863.583	857.694	861.523	862.673	865.592
22.5	761.345	756.561	758.953	760.350	758.439
25.0	659.106	655.421	656.383	658.027	651.287
27.5	570.999	569.510	567.066	570.264	569.289
30.0	482.891	483.600	477.743	482.501	487.285
32.5	402.382	403.819	401.082	402.766	405.535
35.0	321.873	324.031	324.415	323.024	323.778
37.5	241.728	243.327	243.646	241.995	242.404
40.0	161.577	162.623	162.870	160.959	161.031
42.5	110.467	111.137	111.228	109.798	109.583
45.0	59.351	59.650	59.585	58.636	58.136
47.5	43.147	43.472	43.296	42.633	42.185
50.0	26.936	27.293	27.007	26.624	26.227
52.5	21.359	22.002	21.541	21.248	21.274
55.0	15.782	16.705	16.068	15.873	16.321
57.5	13.195	13.676	13.598	13.136	13.201
60.0	10.608	10.640	11.128	10.400	10.075
62.5	8.755	8.755	8.989	8.586	8.573
65.0	6.896	6.870	6.844	6.773	7.072
67.5	5.694	5.674	5.577	5.687	5.915
70.0	4.485	4.478	4.309	4.595	4.751
72.5	3.640	3.614	3.399	3.529	3.744
75.0	2.788	2.743	2.489	2.463	2.736
77.5	1.430	1.423	1.293	1.267	1.423
80.0	0.065	0.097	0.091	0.071	0.110
82.5	0.045	0.065	0.058	0.052	0.071
85.0	0.026	0.032	0.019	0.032	0.032
87.5	0.013	0.019	0.013	0.019	0.019
90.0	0.000	0.006	0.000	0.006	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	440.33	N.A.	20.30
0-30	742.58	N.A.	34.20
0-40	941.46	N.A.	43.30
0-60	1015.02	N.A.	46.70
0-80	1024.72	N.A.	47.20
0-90	1024.76	N.A.	47.20
10-90	890.00	N.A.	41.00
20-40	501.13	N.A.	23.10
20-50	559.16	N.A.	25.70
40-70	80.68	N.A.	3.70
60-80	9.70	N.A.	0.40
70-80	2.58	N.A.	0.10
80-90	0.04	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	2171.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.76
10-20	305.57
20-30	302.25
30-40	198.88
40-50	58.03
50-60	15.53
60-70	7.12
70-80	2.58
80-90	0.04
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

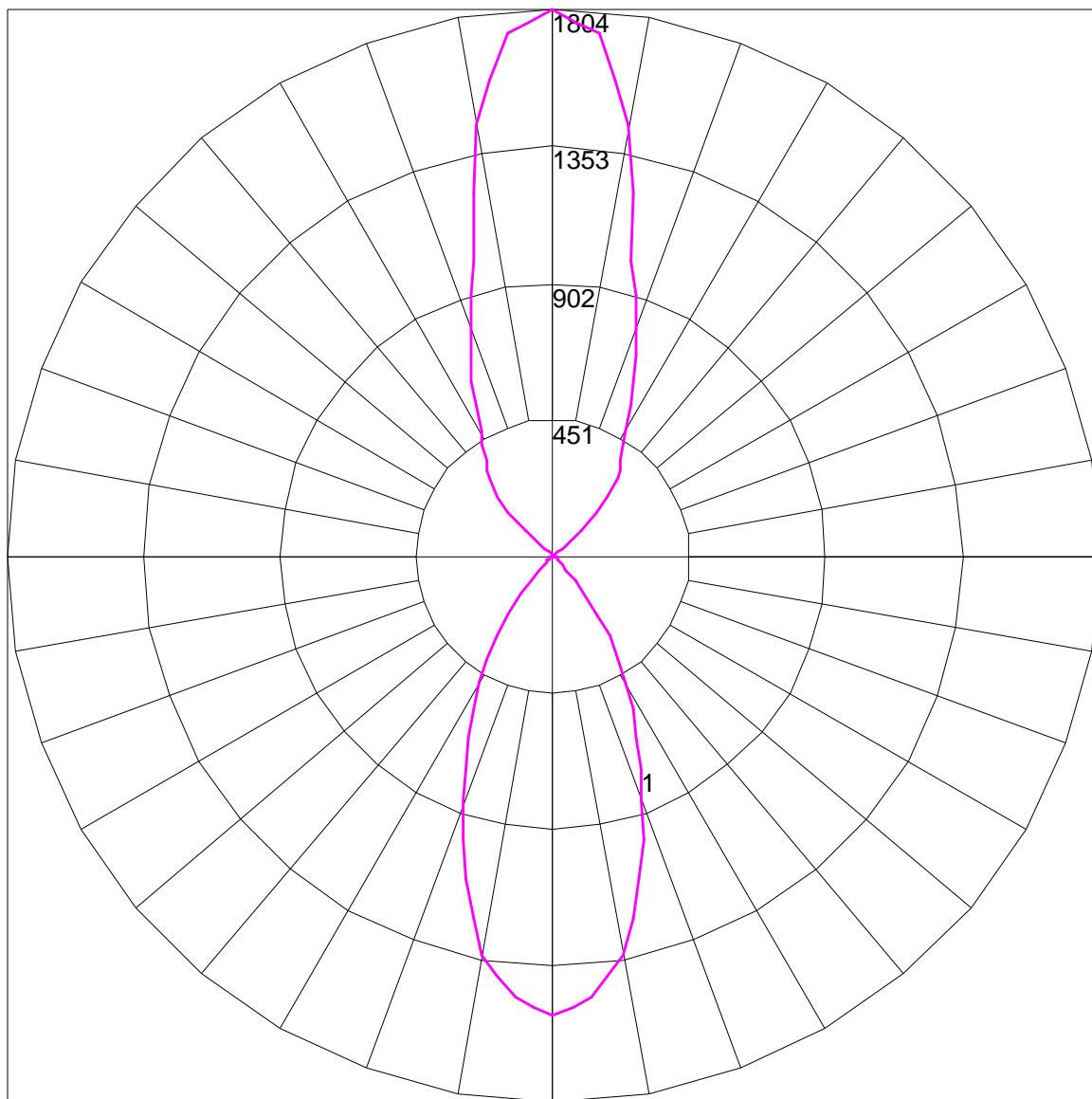
Effective Floor Cavity Reflectance 0.20

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