

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657_3 ~ C0816ADJUDXT-13LXWGL-13LXW-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00657_3_M-13L

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

[TESTDATE] Thu Aug 11 2016

[MANUFAC] Spectrum Lighting

[ISSUEDATE]

[UPDATE] 4/6/2018

[LUMCAT] C0816ADJUDXT-13L-XW-GL-13L-XW-xxK-EX-TSG-GL-xxx (Up/Down)

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

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

[OTHER] Uplight: 63 Degree Beam Angle

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

[OTHER] Downlight: 60.1 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	2217
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	3486	3586	3585
55	959	1013	1007
65	527	534	548
75	327	284	291
85	2	13	18

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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	1259.329	1259.329	1259.329	1259.329	1259.329
2.5	1251.126	1253.226	1252.862	1253.876	1256.716
5.0	1242.923	1247.122	1246.388	1248.422	1254.103
7.5	1223.417	1227.759	1225.022	1226.933	1230.040
10.0	1203.904	1208.389	1203.650	1205.438	1205.971
12.5	1140.360	1143.356	1141.042	1144.845	1143.161
15.0	1076.816	1078.317	1078.428	1084.245	1080.352
17.5	984.028	984.360	984.470	990.307	983.255
20.0	891.234	890.402	890.506	896.363	886.158
22.5	795.080	795.938	798.226	797.855	793.429
25.0	698.919	701.467	705.945	699.341	700.700
27.5	613.541	615.634	618.306	616.063	617.311
30.0	528.157	529.802	530.666	532.779	533.923
32.5	447.479	446.121	449.169	449.982	450.801
35.0	366.795	362.440	367.666	367.178	367.679
37.5	279.669	277.218	279.448	279.376	279.519
40.0	192.536	191.990	191.230	191.574	191.360
42.5	131.430	132.509	131.787	131.625	131.839
45.0	70.323	73.021	72.345	71.675	72.319
47.5	50.407	51.532	51.480	50.895	51.454
50.0	30.491	30.036	30.608	30.108	30.589
52.5	23.094	23.458	23.595	23.218	23.530
55.0	15.691	16.874	16.575	16.321	16.471
57.5	12.824	13.591	13.520	13.260	13.461
60.0	9.951	10.302	10.465	10.198	10.445
62.5	8.157	8.196	8.450	8.177	8.528
65.0	6.357	6.084	6.435	6.155	6.610
67.5	5.063	4.933	5.180	4.907	5.193
70.0	3.770	3.783	3.919	3.659	3.776
72.5	3.094	3.029	3.009	2.853	2.964
75.0	2.411	2.275	2.099	2.041	2.151
77.5	1.248	1.170	1.098	1.053	1.111
80.0	0.078	0.065	0.091	0.065	0.071
82.5	0.045	0.045	0.065	0.045	0.058
85.0	0.006	0.019	0.032	0.026	0.045
87.5	0.013	0.013	0.019	0.013	0.026
90.0	0.013	0.006	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	0.013	0.013	0.006	0.006	0.026
105.0	0.026	0.019	0.006	0.013	0.045
107.5	0.572	0.624	0.572	0.617	0.676
110.0	1.111	1.228	1.131	1.222	1.300
112.5	1.495	1.592	1.514	1.449	1.521
115.0	1.872	1.950	1.898	1.670	1.742
117.5	2.873	2.892	2.866	2.840	2.710
120.0	3.874	3.835	3.828	4.004	3.679
122.5	4.875	4.927	4.810	5.018	4.888
125.0	5.869	6.019	5.785	6.032	6.097

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127.5	21.495	22.015	21.859	21.554	21.996
130.0	37.121	38.005	37.927	37.069	37.895
132.5	103.116	103.434	103.363	101.764	103.987
135.0	169.110	168.863	168.792	166.458	170.072
137.5	239.804	238.680	239.791	237.185	238.888
140.0	310.498	308.490	310.784	307.905	307.703
142.5	378.930	378.976	380.861	377.689	377.552
145.0	447.356	449.455	450.931	447.473	447.401
147.5	504.413	507.357	507.065	505.134	506.226
150.0	561.470	565.253	563.192	562.789	565.045
152.5	629.265	629.902	628.101	628.959	632.560
155.0	697.053	694.544	693.004	695.129	700.069
157.5	775.859	775.827	776.100	780.468	775.885
160.0	854.659	857.109	859.189	865.806	851.701
162.5	975.240	974.181	977.125	978.685	972.777
165.0	1095.822	1091.246	1095.061	1091.564	1093.846
167.5	1170.494	1179.574	1178.125	1175.908	1166.392
170.0	1245.166	1267.903	1261.188	1260.252	1238.939
172.5	1274.656	1284.244	1282.034	1282.079	1264.282
175.0	1304.140	1300.585	1302.879	1303.906	1289.626
177.5	1286.428	1284.647	1285.797	1286.311	1279.167
180.0	1268.150	1268.150	1268.150	1268.150	1268.150

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Zone	Lumens	%Lamp	%Fixt
0-20	414.71	N.A.	18.70
0-30	736.82	N.A.	33.20
0-40	961.18	N.A.	43.40
0-60	1046.69	N.A.	47.20
0-80	1055.42	N.A.	47.60
0-90	1055.46	N.A.	47.60
10-90	937.89	N.A.	42.30
20-40	546.47	N.A.	24.60
20-50	615.66	N.A.	27.80
40-70	92.08	N.A.	4.20
60-80	8.73	N.A.	0.40
70-80	2.16	N.A.	0.10
80-90	0.04	N.A.	0.00
90-110	0.32	N.A.	0.00
90-120	2.47	N.A.	0.10
90-130	14.16	N.A.	0.60
90-150	418.54	N.A.	18.90
90-180	1161.47	N.A.	52.40
110-180	1161.15	N.A.	52.40
0-180	2216.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.57
10-20	297.14
20-30	322.11
30-40	224.36
40-50	69.19
50-60	16.32
60-70	6.57
70-80	2.16
80-90	0.04
90-100	0.00
100-110	0.32
110-120	2.15
120-130	11.68
130-140	129.47
140-150	274.91
150-160	321.52
160-170	299.18
170-180	122.23

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

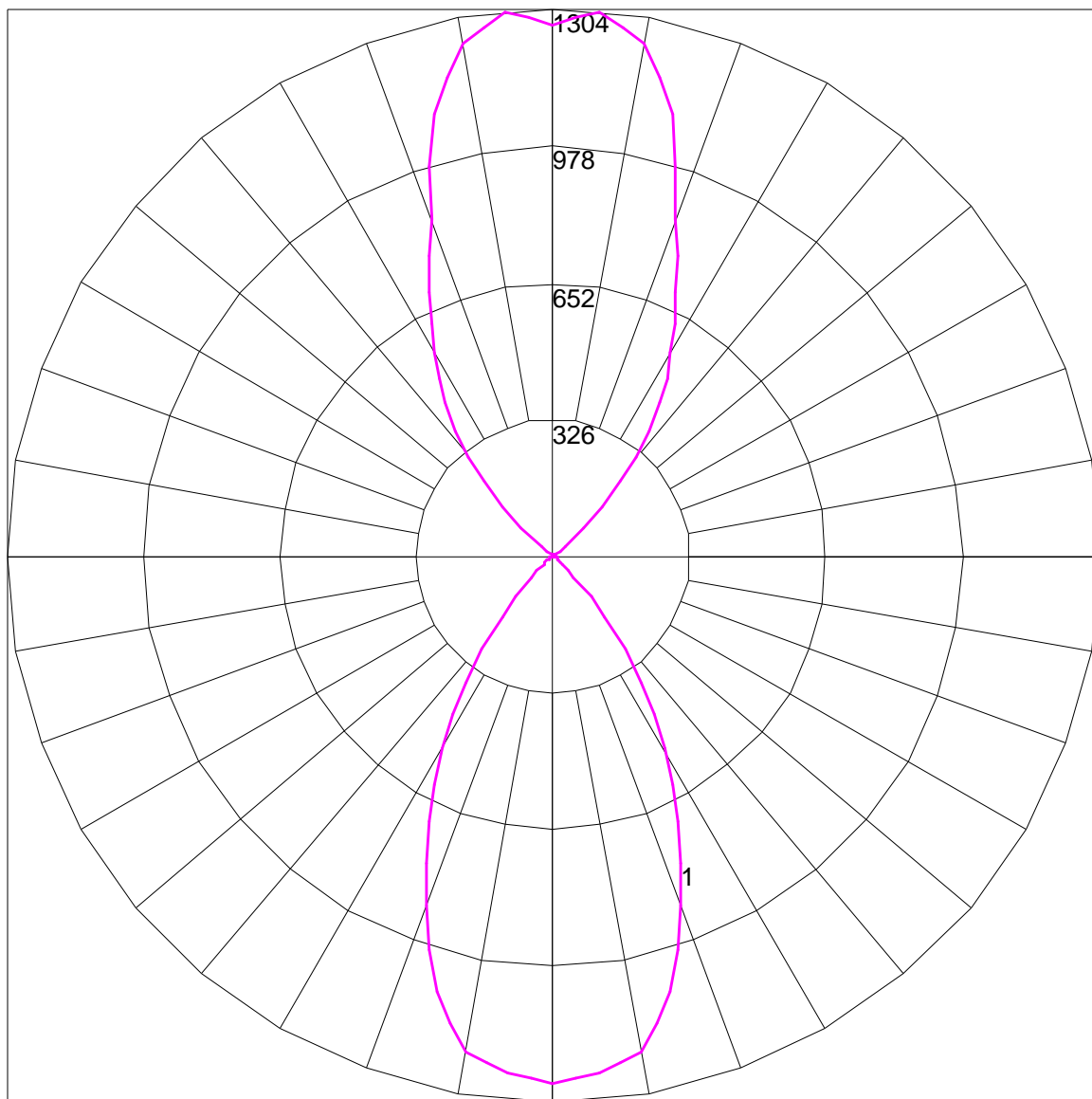
Effective Floor Cavity Reflectance 0.20

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	67	67	67	54	54	54	48
1	99	96	93	90	92	89	86	84	75	73	72	63	61	60	51	50	50	44
2	93	87	82	78	85	80	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	65	60	75	67	62	57	58	54	51	50	47	45	42	41	39	36
5	75	66	59	54	70	62	56	51	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	35	34	31
7	66	56	49	44	61	53	47	42	46	42	39	41	38	35	35	33	31	29
8	62	52	45	41	58	49	43	39	43	39	36	38	35	33	33	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	39	34	52	43	37	33	38	34	31	34	31	28	30	28	26	24

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POLAR GRAPH



Maximum Candela = 1304.14 Located At Horizontal Angle = 0, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)