

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657_2 ~ C0816ADJUDXT-13LWDGL-13LWD-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00657_2_M-13L
 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies
 [ISSUE DATE]
 [TEST DATE] Thu Aug 11 2016
 [UPDATE] 4/6/2018
 [MANUFAC] Spectrum Lighting
 [LUMCAT] C0816ADJUDXT-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2191
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_2 ~ C0816ADJUDXT-13LWDGL-13LWD-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	3036	3057	3025
55	912	912	918
65	508	513	518
75	297	318	348
85	16	8	10

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00657_2 ~ C0816ADJUDXT-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>
0.0	1245.959	1245.959	1245.959	1245.959	1245.959
2.5	1239.654	1247.675	1247.272	1250.964	1244.581
5.0	1233.342	1249.391	1248.585	1255.962	1243.203
7.5	1236.020	1247.246	1245.543	1243.469	1242.839
10.0	1238.692	1245.094	1242.501	1230.970	1242.468
12.5	1178.183	1184.189	1182.941	1179.061	1180.653
15.0	1117.675	1123.284	1123.375	1127.145	1118.838
17.5	1015.885	1020.324	1020.422	1022.788	1018.264
20.0	914.088	917.364	917.462	918.430	917.683
22.5	803.270	806.045	807.475	807.033	806.442
25.0	692.451	694.720	697.482	695.636	695.194
27.5	599.053	599.989	601.250	600.411	599.612
30.0	505.648	505.258	505.017	505.186	504.029
32.5	422.051	421.382	420.589	422.831	419.744
35.0	338.455	337.506	336.160	340.470	335.452
37.5	254.397	254.130	253.864	255.918	253.857
40.0	170.339	170.755	171.567	171.359	172.256
42.5	115.797	116.259	116.616	116.707	116.642
45.0	61.249	61.756	61.659	62.049	61.028
47.5	43.075	43.940	44.057	43.524	43.452
50.0	24.901	26.117	26.448	24.992	25.870
52.5	19.909	20.559	20.689	19.955	20.449
55.0	14.917	14.995	14.924	14.911	15.028
57.5	12.259	12.356	12.363	12.220	12.584
60.0	9.594	9.717	9.802	9.522	10.133
62.5	7.865	7.923	7.995	7.936	8.190
65.0	6.129	6.129	6.188	6.350	6.246
67.5	5.076	4.966	5.135	5.167	5.135
70.0	4.017	3.796	4.075	3.984	4.023
72.5	3.107	3.126	3.211	3.250	3.295
75.0	2.190	2.450	2.346	2.515	2.567
77.5	1.150	1.274	1.215	1.319	1.326
80.0	0.104	0.097	0.078	0.117	0.078
82.5	0.071	0.065	0.052	0.071	0.052
85.0	0.039	0.026	0.019	0.019	0.026
87.5	0.026	0.019	0.013	0.019	0.026
90.0	0.013	0.006	0.006	0.019	0.026
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	0.026	0.026	0.019	0.019	0.006
105.0	0.045	0.045	0.039	0.032	0.013
107.5	0.780	0.747	0.780	0.695	0.780
110.0	1.514	1.449	1.521	1.352	1.540
112.5	2.782	2.678	2.645	2.710	2.782
115.0	4.049	3.906	3.770	4.062	4.023
117.5	3.854	3.965	3.880	4.043	3.913
120.0	3.659	4.017	3.984	4.017	3.796
122.5	3.991	4.186	4.108	4.205	3.958
125.0	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	426.18	N.A.	19.50
0-30	746.12	N.A.	34.10
0-40	954.35	N.A.	43.60
0-60	1029.34	N.A.	47.00
0-80	1038.13	N.A.	47.40
0-90	1038.17	N.A.	47.40
10-90	919.38	N.A.	42.00
20-40	528.17	N.A.	24.10
20-50	588.64	N.A.	26.90
40-70	81.44	N.A.	3.70
60-80	8.79	N.A.	0.40
70-80	2.34	N.A.	0.10
80-90	0.04	N.A.	0.00
90-110	0.40	N.A.	0.00
90-120	3.69	N.A.	0.20
90-130	14.86	N.A.	0.70
90-150	403.20	N.A.	18.40
90-180	1152.59	N.A.	52.60
110-180	1152.19	N.A.	52.60
0-180	2190.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.79
10-20	307.38
20-30	319.95
30-40	208.22
40-50	60.47
50-60	14.52
60-70	6.45
70-80	2.34
80-90	0.04
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

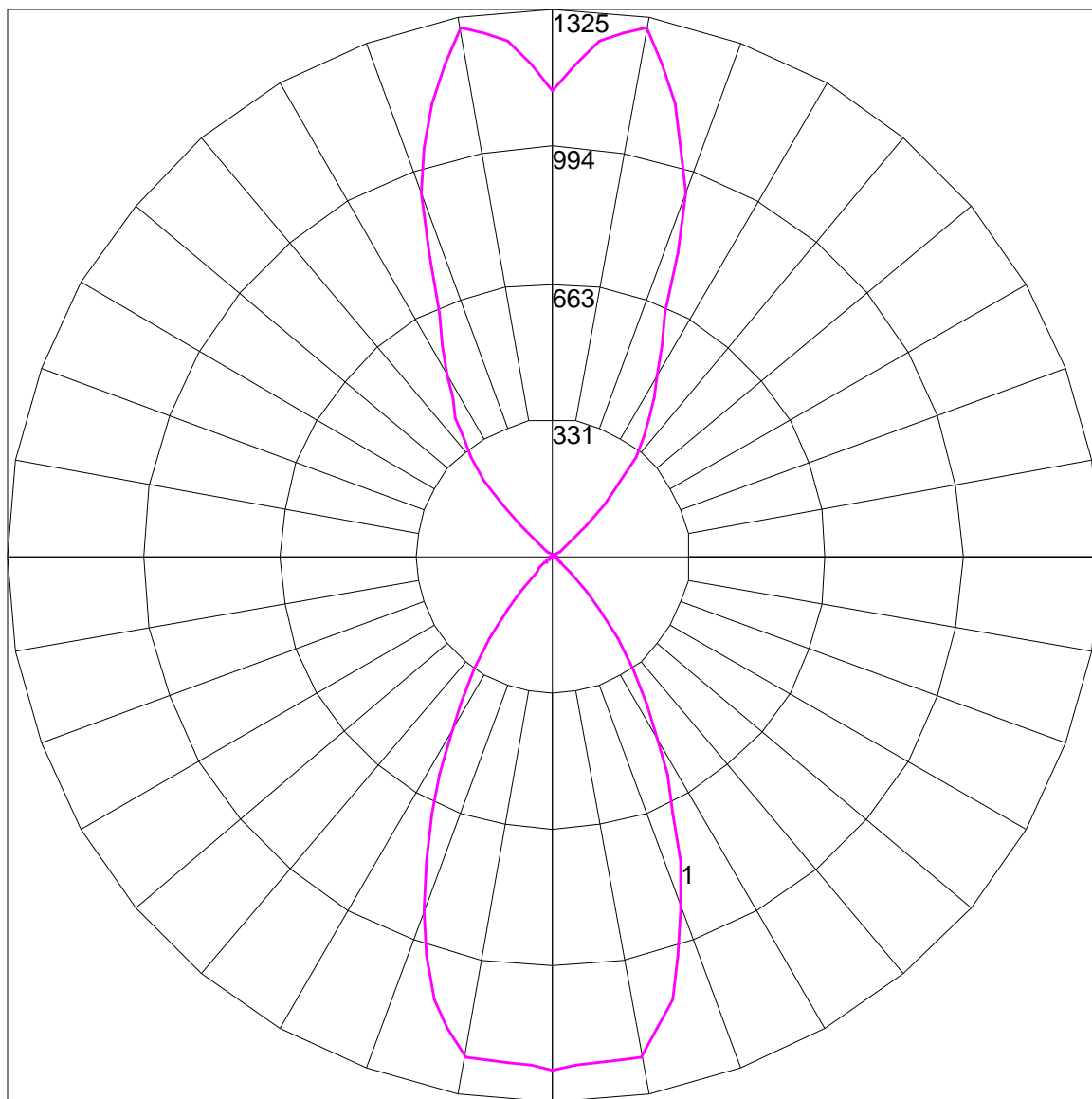
Effective Floor Cavity Reflectance 0.20

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	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	43	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	39	35	33	34	31	30	28
9	59	48	42	38	55	46	40	36	41	37	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	25

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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)