

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00656\_1 ~ C0816ADJUXT-13LNDGL-13LND-XXK-EX-TSG-GL (UP\_DOWN).IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00656\_1\_M-13L

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

[TESTDATE] Thu Aug 11 2016

[MANUFAC] Spectrum Lighting

[ISSUEDATE]

[UPDATE] 4/5/2018

[LUMCAT] C0816ADJUXT-20L-ND-GL-20L-ND-xxK-EX-TSG-SO (Up/Down)

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

[OTHER] Uplight: Narrow Beam, Flush Clear Glass lens

[OTHER] Uplight: 26 Degree Beam Angle

[OTHER] Downlight: Narrow Beam, Flush Clear Glass lens

[OTHER] Downlight: 25.9 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	2347
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	1146	1165	1228
55	102	91	94
65	0	2	2
75	1	2	1
85	0	2	2

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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	4094.577	4094.577	4094.577	4094.577	4094.577
2.5	3998.527	4004.052	4007.042	4014.413	4014.198
5.0	3902.470	3913.520	3919.506	3934.248	3933.813
7.5	3398.889	3397.933	3404.264	3412.493	3403.452
10.0	2895.301	2882.347	2889.022	2890.738	2873.091
12.5	2172.956	2168.120	2175.712	2175.387	2165.273
15.0	1450.605	1453.894	1462.402	1460.030	1457.449
17.5	1049.984	1054.235	1056.549	1055.249	1051.680
20.0	649.363	654.576	650.689	650.468	645.905
22.5	549.568	551.655	547.657	548.905	545.018
25.0	449.774	448.734	444.626	447.343	444.132
27.5	412.815	413.068	410.767	412.256	411.235
30.0	375.849	377.396	376.909	377.162	378.339
32.5	326.358	326.215	326.150	326.566	326.332
35.0	276.861	275.034	275.392	275.970	274.326
37.5	202.813	202.332	203.014	202.696	202.117
40.0	128.758	129.629	130.630	129.421	129.909
42.5	75.939	76.667	77.064	76.329	77.343
45.0	23.120	23.699	23.497	23.237	24.778
47.5	14.807	15.034	14.813	14.703	15.645
50.0	6.487	6.370	6.123	6.162	6.513
52.5	4.082	3.945	3.802	3.854	4.030
55.0	1.677	1.514	1.482	1.547	1.540
57.5	1.131	1.001	1.092	1.046	1.079
60.0	0.578	0.487	0.695	0.546	0.611
62.5	0.292	0.253	0.357	0.279	0.318
65.0	0.000	0.013	0.019	0.006	0.019
67.5	0.006	0.013	0.019	0.013	0.019
70.0	0.006	0.013	0.019	0.013	0.013
72.5	0.006	0.013	0.019	0.013	0.013
75.0	0.006	0.006	0.013	0.013	0.006
77.5	0.006	0.013	0.013	0.013	0.013
80.0	0.000	0.013	0.006	0.006	0.013
82.5	0.000	0.013	0.006	0.006	0.013
85.0	0.000	0.006	0.006	0.000	0.006
87.5	0.000	0.006	0.006	0.000	0.006
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	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.006	0.006	0.006	0.000	0.006
120.0	0.013	0.006	0.006	0.000	0.013
122.5	0.539	0.481	0.533	0.520	0.533
125.0	1.059	0.949	1.059	1.033	1.046

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127.5	2.873	2.730	2.749	2.717	2.717
130.0	4.686	4.511	4.439	4.400	4.387
132.5	6.175	6.428	6.207	6.448	6.292
135.0	7.663	8.339	7.975	8.489	8.190
137.5	34.495	34.573	33.657	34.047	34.807
140.0	61.327	60.801	59.332	59.605	61.418
142.5	138.118	137.930	137.780	137.117	137.748
145.0	214.909	215.059	216.222	214.623	214.071
147.5	295.470	294.398	294.729	294.027	293.559
150.0	376.025	373.737	373.230	373.431	373.041
152.5	425.080	424.807	424.664	424.326	423.319
155.0	474.129	475.871	476.099	475.221	473.590
157.5	563.933	566.566	564.544	565.851	562.724
160.0	653.737	657.260	652.983	656.480	651.852
162.5	1025.836	1022.905	1020.350	1023.873	1023.113
165.0	1397.935	1388.549	1387.711	1391.266	1394.367
167.5	2284.178	2268.220	2269.078	2271.932	2279.524
170.0	3170.414	3147.891	3150.446	3152.591	3164.674
172.5	3701.659	3701.782	3706.488	3701.789	3704.265
175.0	4232.897	4255.673	4262.524	4250.980	4243.850
177.5	4231.259	4242.647	4246.073	4240.301	4236.739
180.0	4229.550	4229.550	4229.550	4229.550	4229.550

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Zone	Lumens	%Lamp	%Fixt
0-20	760.77	N.A.	32.40
0-30	979.44	N.A.	41.70
0-40	1142.56	N.A.	48.70
0-60	1178.9	N.A.	50.20
0-80	1179.07	N.A.	50.20
0-90	1179.07	N.A.	50.20
10-90	843.29	N.A.	35.90
20-40	381.79	N.A.	16.30
20-50	415.95	N.A.	17.70
40-70	36.50	N.A.	1.60
60-80	0.16	N.A.	0.00
70-80	0.01	N.A.	0.00
80-90	0.01	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	1.43	N.A.	0.10
90-150	148.43	N.A.	6.30
90-180	1167.79	N.A.	49.80
110-180	1167.79	N.A.	49.80
0-180	2346.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	335.78
10-20	424.99
20-30	218.67
30-40	163.12
40-50	34.16
50-60	2.18
60-70	0.15
70-80	0.01
80-90	0.01
90-100	0.00
100-110	0.00
110-120	0.00
120-130	1.43
130-140	15.11
140-150	131.89
150-160	225.21
160-170	430.99
170-180	363.16

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

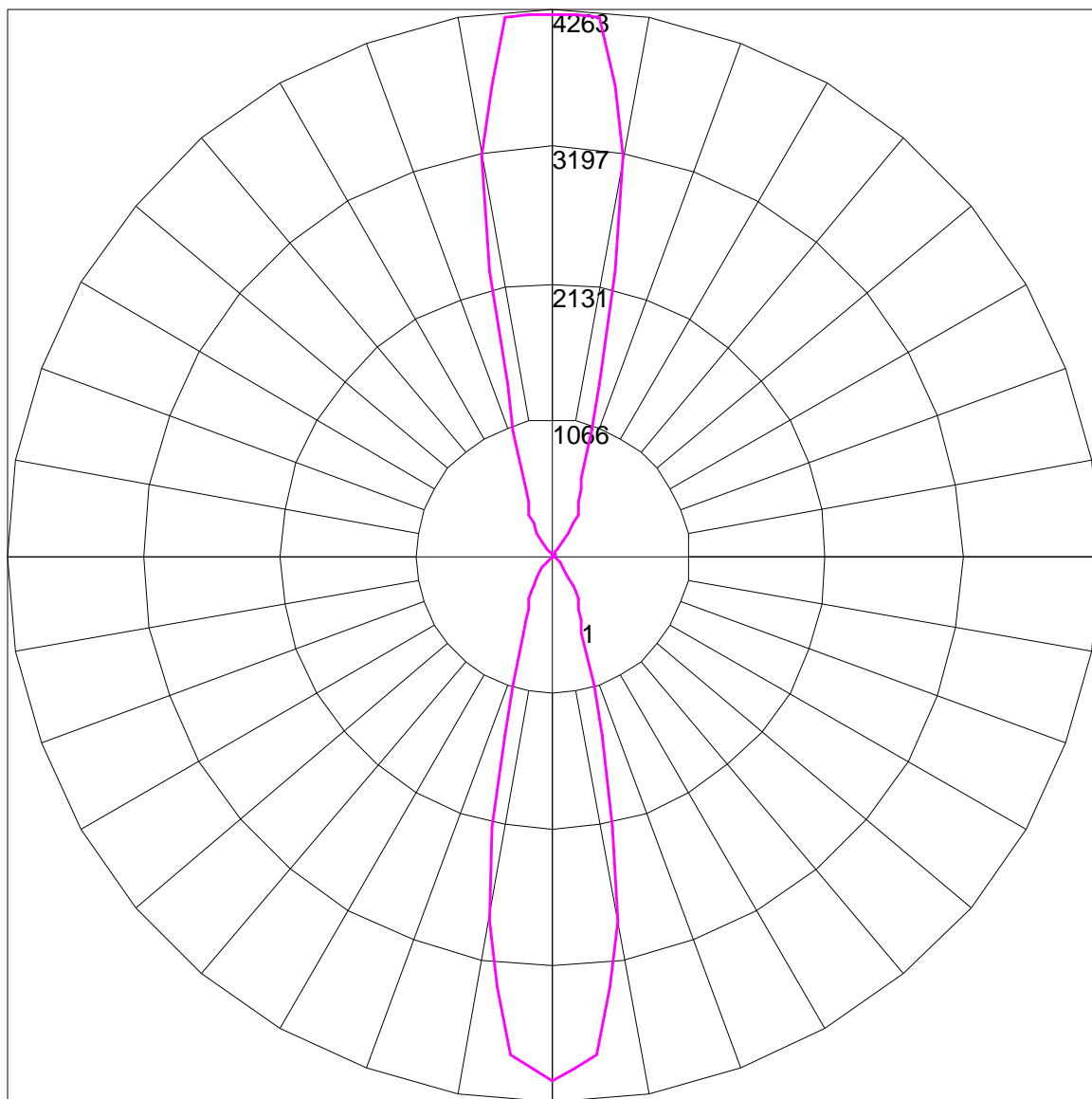
Effective Floor Cavity Reflectance 0.20

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	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48
2	95	89	85	81	88	83	79	76	72	69	67	62	60	58	52	51	50	46
3	89	82	77	72	83	77	72	69	67	64	61	58	56	54	50	48	47	44
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42
5	79	70	64	60	74	67	61	57	59	55	52	52	50	48	46	44	43	40
6	75	66	60	55	70	62	57	53	56	52	49	50	47	45	44	42	41	38
7	71	62	56	51	67	59	53	50	53	49	46	47	45	42	42	40	39	37
8	67	58	52	48	63	55	50	46	50	46	43	45	42	40	41	39	37	35
9	64	55	49	45	61	52	47	44	48	44	41	43	41	38	39	37	36	34
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	34	33

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## POLAR GRAPH



Maximum Candela = 4262.524 Located At Horizontal Angle = 45, Vertical Angle = 175  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)