

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00657\_4 ~ C0816ADJUDXT-13LXNGL-13LXN-XXK-EX-TSG-GL (UP\_DOWN).IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00656\_4  
 [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] 4/12/2018  
 [LUMCAT] C0816ADJUDXT-13L-XN-GL-13L-XN-xxK-EX-TSG-GL (Up/Down)  
 [LUMINAIRE] 8" Diam. x 16" H, Direct/Indirect Cylinder, Wall Mounted  
 [OTHER] Uplight: Xtra Narrow Beam, Flush Clear Glass lens  
 [OTHER] Uplight: 11 Degree Beam Angle  
 [OTHER] Downlight: Xtra Narrow Beam, Flush Clear Glass lens  
 [OTHER] Downlight: 11 Degree Beam Angle  
 [OTHER] Trim: Semi-diffuse clear anodized alum.  
 [LAMP] N/A  
 [LAMPCAT] N/A, 9mm LES indirect  
 [OTHER] N/A, 9mm 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	1720
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	40.8
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)	0.45 ft (Diameter)
Luminous Width (90-270)	0.45 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00657\_4 ~ C0816ADJUDXT-13LXNGL-13LXN-XXK-EX-TSG-GL (UP\_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	519	546	503
55	592	569	588
65	505	540	580
75	73	93	75
85	0	0	0

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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	11720.600	11720.600	11720.600	11720.600	11720.600
2.5	8896.556	8909.049	8894.132	8924.161	8948.260
5.0	6072.508	6097.494	6067.659	6127.719	6175.916
7.5	3457.747	3597.263	3705.722	3643.731	3570.063
10.0	842.985	1097.031	1343.784	1159.743	964.210
12.5	632.613	760.195	881.891	789.142	692.959
15.0	422.240	423.358	419.997	418.541	421.707
17.5	393.569	395.870	392.704	393.406	393.653
20.0	364.897	368.381	365.410	368.270	365.599
22.5	350.392	353.886	355.378	355.647	354.127
25.0	335.887	339.391	345.345	343.024	342.654
27.5	317.379	319.384	322.134	321.574	320.593
30.0	298.870	299.377	298.922	300.124	298.532
32.5	224.387	225.878	226.983	227.623	226.818
35.0	149.903	152.379	155.044	155.122	155.103
37.5	83.759	85.992	88.744	87.672	86.713
40.0	17.615	19.604	22.444	20.221	18.323
42.5	11.521	12.753	14.076	12.912	11.791
45.0	5.427	5.902	5.707	5.603	5.258
47.5	5.405	5.665	5.525	5.454	5.470
50.0	5.382	5.427	5.343	5.304	5.681
52.5	5.200	5.151	5.083	5.083	5.333
55.0	5.018	4.875	4.823	4.862	4.985
57.5	4.784	4.667	4.622	4.644	4.634
60.0	4.550	4.459	4.420	4.426	4.283
62.5	3.855	3.942	3.897	3.923	3.955
65.0	3.159	3.425	3.373	3.419	3.627
67.5	2.486	2.707	2.626	2.613	2.818
70.0	1.813	1.989	1.878	1.807	2.008
72.5	1.046	1.164	1.118	1.053	1.147
75.0	0.279	0.338	0.357	0.299	0.286
77.5	0.140	0.169	0.179	0.150	0.143
80.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
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	0.140	0.169	0.179	0.150	0.143
105.0	0.279	0.338	0.357	0.299	0.286
107.5	1.046	1.164	1.118	1.053	1.147
110.0	1.813	1.989	1.878	1.807	2.008
112.5	2.486	2.707	2.626	2.613	2.818
115.0	3.159	3.425	3.373	3.419	3.627
117.5	3.855	3.942	3.897	3.923	3.955
120.0	4.550	4.459	4.420	4.426	4.283
122.5	4.784	4.667	4.622	4.644	4.634
125.0	5.018	4.875	4.823	4.862	4.985

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127.5	5.200	5.151	5.083	5.083	5.333
130.0	5.382	5.427	5.343	5.304	5.681
132.5	5.405	5.665	5.525	5.454	5.470
135.0	5.427	5.902	5.707	5.603	5.258
137.5	11.521	12.753	14.076	12.912	11.791
140.0	17.615	19.604	22.444	20.221	18.323
142.5	83.759	85.992	88.744	87.672	86.713
145.0	149.903	152.379	155.044	155.122	155.103
147.5	224.387	225.878	226.983	227.623	226.818
150.0	298.870	299.377	298.922	300.124	298.532
152.5	317.379	319.384	322.134	321.574	320.593
155.0	335.887	339.391	345.345	343.024	342.654
157.5	350.392	353.886	355.378	355.647	354.127
160.0	364.897	368.381	365.410	368.270	365.599
162.5	393.569	395.870	392.704	393.406	393.653
165.0	422.240	423.358	419.997	418.541	421.707
167.5	632.613	760.195	881.891	789.142	692.959
170.0	842.985	1097.031	1343.784	1159.743	964.210
172.5	3457.747	3597.263	3705.722	3643.731	3570.063
175.0	6072.508	6097.494	6067.659	6127.719	6175.916
177.5	8896.556	8909.049	8894.132	8924.162	8948.260
180.0	11720.000	11720.000	11720.000	11720.000	11720.000

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Zone	Lumens	%Lamp	%Fixt
0-20	594.69	N.A.	34.60
0-30	749.95	N.A.	43.60
0-40	844.98	N.A.	49.10
0-60	856.32	N.A.	49.80
0-80	860.23	N.A.	50.00
0-90	860.23	N.A.	50.00
10-90	420.02	N.A.	24.40
20-40	250.29	N.A.	14.50
20-50	257.25	N.A.	15.00
40-70	14.59	N.A.	0.80
60-80	3.91	N.A.	0.20
70-80	0.66	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.66	N.A.	0.00
90-120	3.91	N.A.	0.20
90-130	8.30	N.A.	0.50
90-150	110.28	N.A.	6.40
90-180	860.23	N.A.	50.00
110-180	859.57	N.A.	50.00
0-180	1720.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	440.21
10-20	154.48
20-30	155.26
30-40	95.03
40-50	6.96
50-60	4.39
60-70	3.24
70-80	0.66
80-90	0.00
90-100	0.00
100-110	0.66
110-120	3.24
120-130	4.39
130-140	6.96
140-150	95.03
150-160	155.26
160-170	154.48
170-180	440.20

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

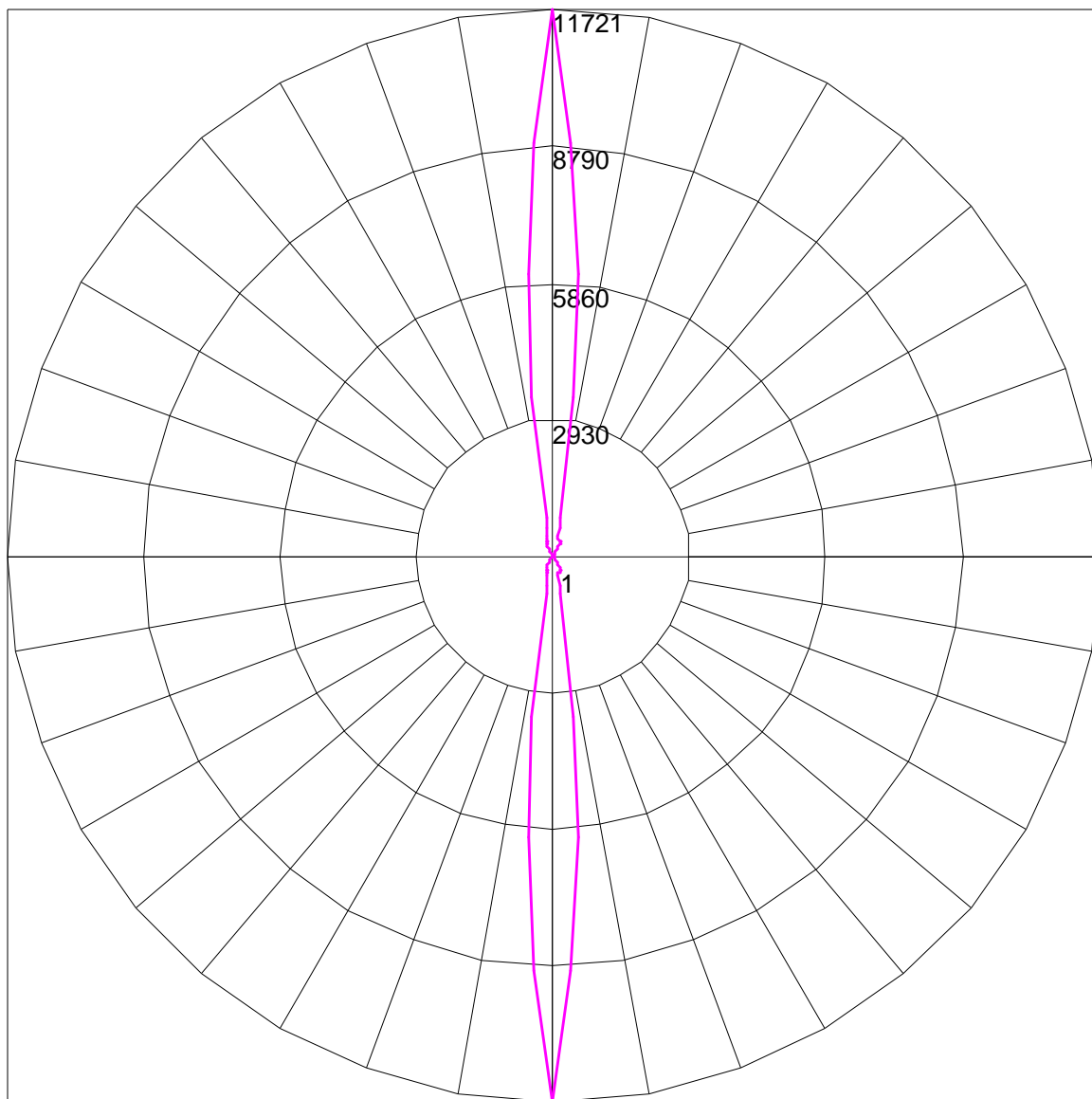
Effective Floor Cavity Reflectance 0.20

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	98	95	93	93	91	89	86	78	76	75	66	65	64	54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47
3	90	83	78	74	83	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	77	72	68	79	73	68	64	64	61	58	57	54	53	49	48	47	44
5	81	72	67	62	75	68	64	60	61	58	55	54	52	50	48	46	45	42
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	46	45	44	41
7	73	64	59	55	69	61	56	53	56	52	49	50	48	46	45	43	42	40
8	70	61	56	52	66	58	54	50	53	50	47	48	46	44	44	42	41	39
9	67	58	53	49	64	56	51	48	51	48	45	47	44	43	43	41	40	38
10	65	56	51	47	61	54	49	46	49	46	44	46	43	41	42	40	39	37

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## POLAR GRAPH



Maximum Candela = 11720.6 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)