

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00657_4 ~ C0816ADJUDXT-10LXNGL-10LXN-XXK-EX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00656_4_M-10L

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

[TESTDATE] Thu Aug 11 2016

[MANUFAC] Spectrum Lighting

[ISSUEDATE]

[UPDATE] 4/12/2018

[LUMCAT] C0816ADJUDXT-10L-XN-GL-10L-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, scaled from 13L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1277
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	25.6
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-10LXNGL-10LXN-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	385	405	373
55	439	422	436
65	375	400	431
75	54	69	55
85	0	0	0

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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	8696.685	8696.685	8696.685	8696.685	8696.685
2.5	6601.244	6610.514	6599.446	6621.727	6639.609
5.0	4505.801	4524.340	4502.203	4546.767	4582.530
7.5	2565.648	2669.169	2749.646	2703.648	2648.987
10.0	625.495	813.997	997.088	860.529	715.444
12.5	469.399	564.065	654.363	585.543	514.176
15.0	313.302	314.132	311.638	310.557	312.907
17.5	292.028	293.736	291.386	291.907	292.091
20.0	270.754	273.339	271.134	273.256	271.274
22.5	259.991	262.583	263.690	263.890	262.762
25.0	249.228	251.828	256.246	254.524	254.249
27.5	235.495	236.983	239.023	238.608	237.880
30.0	221.762	222.138	221.800	222.692	221.511
32.5	166.495	167.601	168.421	168.896	168.299
35.0	111.228	113.065	115.043	115.101	115.086
37.5	62.149	63.806	65.848	65.053	64.341
40.0	13.070	14.546	16.653	15.004	13.596
42.5	8.549	9.463	10.444	9.581	8.749
45.0	4.027	4.379	4.235	4.157	3.901
47.5	4.011	4.203	4.100	4.047	4.059
50.0	3.993	4.027	3.965	3.936	4.215
52.5	3.858	3.822	3.772	3.772	3.957
55.0	3.723	3.617	3.579	3.608	3.699
57.5	3.550	3.463	3.430	3.446	3.438
60.0	3.376	3.309	3.280	3.284	3.178
62.5	2.860	2.925	2.892	2.911	2.935
65.0	2.344	2.541	2.503	2.537	2.691
67.5	1.845	2.009	1.948	1.939	2.091
70.0	1.345	1.476	1.393	1.341	1.490
72.5	0.776	0.864	0.830	0.781	0.851
75.0	0.207	0.251	0.265	0.222	0.212
77.5	0.104	0.125	0.133	0.111	0.106
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	0.104	0.125	0.133	0.111	0.106
105.0	0.207	0.251	0.265	0.222	0.212
107.5	0.776	0.864	0.830	0.781	0.851
110.0	1.345	1.476	1.393	1.341	1.490
112.5	1.845	2.009	1.948	1.939	2.091
115.0	2.344	2.541	2.503	2.537	2.691
117.5	2.860	2.925	2.892	2.911	2.935
120.0	3.376	3.309	3.280	3.284	3.178
122.5	3.550	3.463	3.430	3.446	3.438
125.0	3.723	3.617	3.579	3.608	3.699

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127.5	3.858	3.822	3.772	3.772	3.957
130.0	3.993	4.027	3.965	3.936	4.215
132.5	4.011	4.203	4.100	4.047	4.059
135.0	4.027	4.379	4.235	4.157	3.901
137.5	8.549	9.463	10.444	9.581	8.749
140.0	13.070	14.546	16.653	15.004	13.596
142.5	62.149	63.806	65.848	65.053	64.341
145.0	111.228	113.065	115.043	115.101	115.086
147.5	166.495	167.601	168.421	168.896	168.299
150.0	221.762	222.138	221.800	222.692	221.511
152.5	235.495	236.983	239.023	238.608	237.880
155.0	249.228	251.828	256.246	254.524	254.249
157.5	259.991	262.583	263.690	263.890	262.762
160.0	270.754	273.339	271.134	273.256	271.274
162.5	292.028	293.736	291.386	291.907	292.091
165.0	313.302	314.132	311.638	310.557	312.907
167.5	469.399	564.065	654.363	585.543	514.176
170.0	625.495	813.997	997.088	860.529	715.444
172.5	2565.648	2669.169	2749.646	2703.648	2648.987
175.0	4505.801	4524.340	4502.203	4546.767	4582.530
177.5	6601.244	6610.514	6599.446	6621.728	6639.609
180.0	8696.240	8696.240	8696.240	8696.240	8696.240

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Zone	Lumens	%Lamp	%Fixt
0-20	441.26	N.A.	34.60
0-30	556.46	N.A.	43.60
0-40	626.97	N.A.	49.10
0-60	635.39	N.A.	49.80
0-80	638.29	N.A.	50.00
0-90	638.29	N.A.	50.00
10-90	311.66	N.A.	24.40
20-40	185.72	N.A.	14.50
20-50	190.88	N.A.	15.00
40-70	10.83	N.A.	0.80
60-80	2.90	N.A.	0.20
70-80	0.49	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.49	N.A.	0.00
90-120	2.90	N.A.	0.20
90-130	6.16	N.A.	0.50
90-150	81.83	N.A.	6.40
90-180	638.29	N.A.	50.00
110-180	637.80	N.A.	50.00
0-180	1276.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	326.63
10-20	114.62
20-30	115.20
30-40	70.51
40-50	5.16
50-60	3.26
60-70	2.41
70-80	0.49
80-90	0.00
90-100	0.00
100-110	0.49
110-120	2.41
120-130	3.26
130-140	5.16
140-150	70.51
150-160	115.20
160-170	114.62
170-180	326.63

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

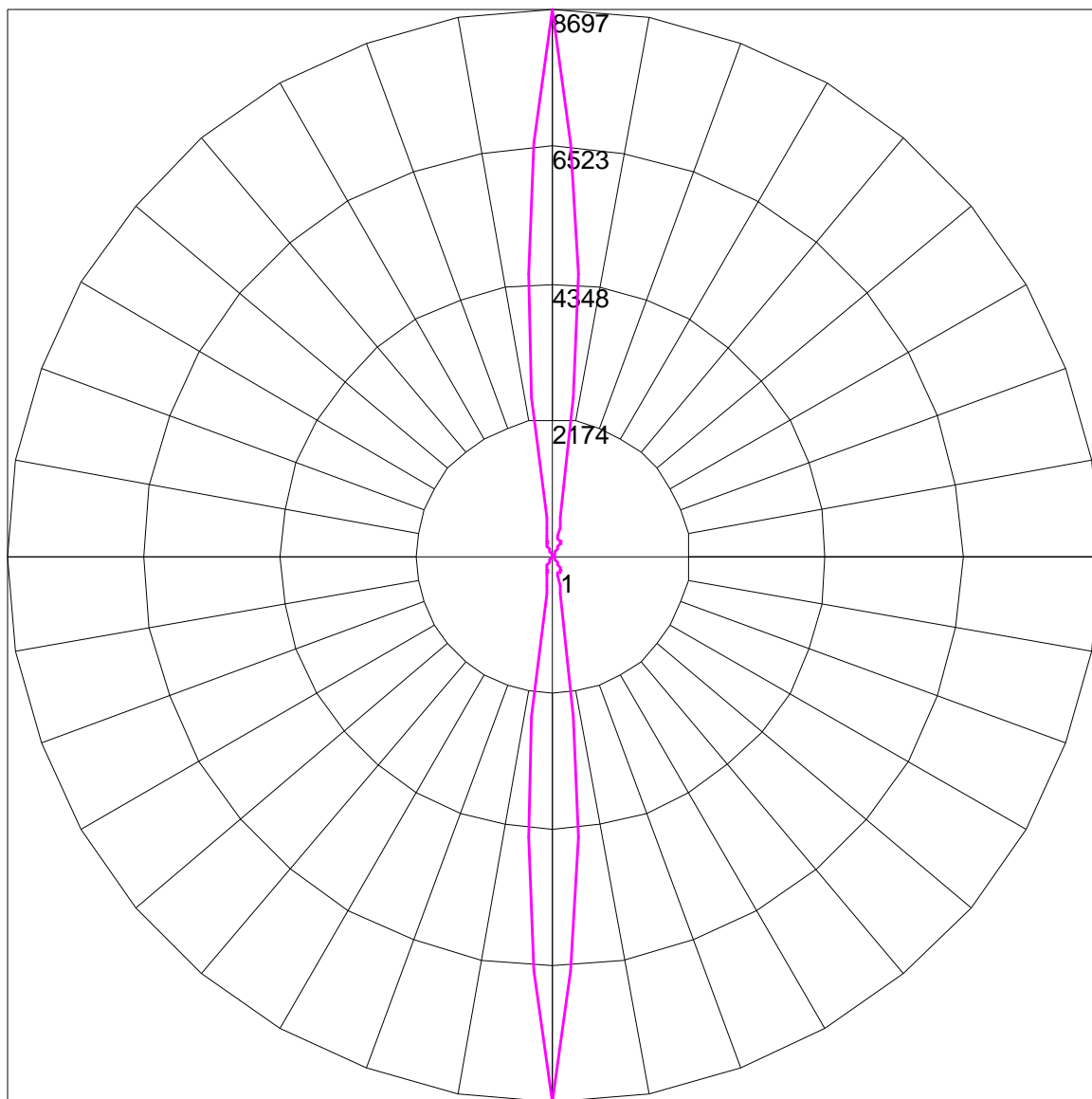
Effective Floor Cavity Reflectance 0.20

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	88	86	78	76	75	65	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	63	56	51	48	51	48	45	47	44	42	43	41	40	38
10	65	56	51	47	61	54	49	46	49	46	43	46	43	41	42	40	39	37

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POLAR GRAPH



Maximum Candela = 8696.685 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)