

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00657_3 ~ C0816ADJUDXT-10LXWGL-10LXW-XXK-EX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00657_3_M-10L

[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-10L-XW-GL-10L-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	1646
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	18.2
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_3 ~ C0816ADJUDXT-10LXWGL-10LXW-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	2588	2662	2661
55	712	752	747
65	391	396	407
75	242	211	216
85	2	10	14

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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	934.810	934.810	934.810	934.810	934.810
2.5	928.721	930.279	930.009	930.762	932.870
5.0	922.632	925.749	925.203	926.714	930.931
7.5	908.152	911.375	909.344	910.762	913.069
10.0	893.667	896.996	893.479	894.806	895.202
12.5	846.498	848.722	847.005	849.827	848.578
15.0	799.329	800.443	800.525	804.844	801.954
17.5	730.452	730.698	730.780	735.113	729.878
20.0	661.570	660.953	661.030	665.377	657.802
22.5	590.194	590.831	592.529	592.254	588.968
25.0	518.813	520.704	524.029	519.127	520.135
27.5	455.437	456.990	458.973	457.309	458.235
30.0	392.055	393.276	393.918	395.486	396.335
32.5	332.167	331.159	333.422	334.025	334.633
35.0	272.275	269.042	272.921	272.559	272.931
37.5	207.600	205.781	207.436	207.383	207.489
40.0	142.921	142.516	141.951	142.207	142.048
42.5	97.561	98.362	97.827	97.706	97.865
45.0	52.202	54.204	53.702	53.205	53.683
47.5	37.418	38.253	38.214	37.780	38.195
50.0	22.634	22.296	22.721	22.349	22.706
52.5	17.143	17.413	17.515	17.235	17.466
55.0	11.648	12.526	12.304	12.116	12.227
57.5	9.520	10.089	10.036	9.843	9.993
60.0	7.387	7.648	7.768	7.570	7.754
62.5	6.055	6.084	6.272	6.070	6.330
65.0	4.719	4.516	4.777	4.569	4.907
67.5	3.759	3.662	3.846	3.643	3.855
70.0	2.798	2.808	2.909	2.716	2.803
72.5	2.297	2.248	2.234	2.118	2.200
75.0	1.790	1.689	1.558	1.515	1.597
77.5	0.926	0.868	0.815	0.782	0.825
80.0	0.058	0.048	0.068	0.048	0.053
82.5	0.034	0.034	0.048	0.034	0.043
85.0	0.005	0.014	0.024	0.019	0.034
87.5	0.010	0.010	0.014	0.010	0.019
90.0	0.010	0.005	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	0.010	0.010	0.005	0.005	0.019
105.0	0.019	0.014	0.005	0.010	0.034
107.5	0.425	0.463	0.425	0.458	0.502
110.0	0.825	0.912	0.840	0.907	0.965
112.5	1.110	1.182	1.124	1.076	1.129
115.0	1.390	1.447	1.409	1.240	1.293
117.5	2.133	2.147	2.128	2.109	2.012
120.0	2.876	2.847	2.842	2.972	2.731
122.5	3.619	3.657	3.570	3.725	3.628
125.0	4.357	4.468	4.294	4.478	4.526

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127.5	15.956	16.342	16.226	16.000	16.328
130.0	27.556	28.212	28.154	27.517	28.130
132.5	76.544	76.780	76.727	75.540	77.190
135.0	125.532	125.349	125.296	123.563	126.246
137.5	178.009	177.174	177.999	176.064	177.328
140.0	230.485	228.994	230.698	228.560	228.411
142.5	281.283	281.317	282.716	280.361	280.260
145.0	332.076	333.634	334.730	332.163	332.110
147.5	374.430	376.615	376.398	374.965	375.776
150.0	416.783	419.592	418.062	417.763	419.437
152.5	467.108	467.581	466.245	466.881	469.555
155.0	517.428	515.566	514.422	516.000	519.667
157.5	575.926	575.902	576.105	579.347	575.946
160.0	634.420	636.239	637.783	642.695	632.225
162.5	723.929	723.142	725.328	726.486	722.100
165.0	813.437	810.040	812.873	810.277	811.970
167.5	868.867	875.607	874.531	872.886	865.822
170.0	924.296	941.174	936.190	935.495	919.674
172.5	946.187	953.304	951.664	951.697	938.487
175.0	968.073	965.434	967.137	967.900	957.299
177.5	954.925	953.603	954.457	954.839	949.536
180.0	941.357	941.357	941.357	941.357	941.357

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Zone	Lumens	%Lamp	%Fixt
0-20	307.84	N.A.	18.70
0-30	546.95	N.A.	33.20
0-40	713.49	N.A.	43.40
0-60	776.97	N.A.	47.20
0-80	783.45	N.A.	47.60
0-90	783.47	N.A.	47.60
10-90	696.20	N.A.	42.30
20-40	405.65	N.A.	24.60
20-50	457.01	N.A.	27.80
40-70	68.35	N.A.	4.20
60-80	6.48	N.A.	0.40
70-80	1.60	N.A.	0.10
80-90	0.03	N.A.	0.00
90-110	0.24	N.A.	0.00
90-120	1.83	N.A.	0.10
90-130	10.51	N.A.	0.60
90-150	310.69	N.A.	18.90
90-180	862.17	N.A.	52.40
110-180	861.93	N.A.	52.40
0-180	1645.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.27
10-20	220.57
20-30	239.11
30-40	166.54
40-50	51.36
50-60	12.12
60-70	4.88
70-80	1.60
80-90	0.03
90-100	0.00
100-110	0.24
110-120	1.59
120-130	8.67
130-140	96.11
140-150	204.07
150-160	238.67
160-170	222.09
170-180	90.73

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

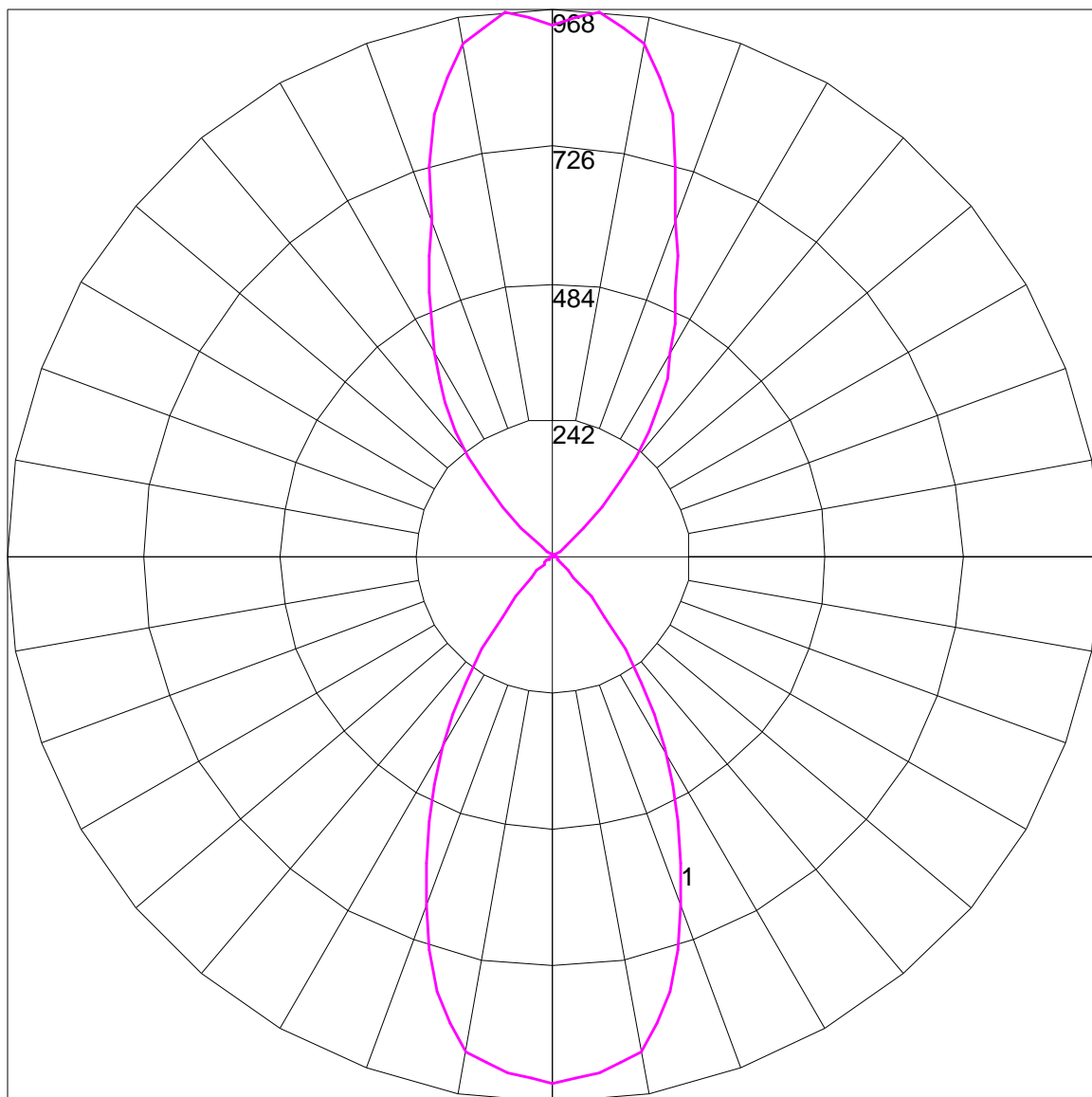
Effective Floor Cavity Reflectance 0.20

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	80	72	65	60	74	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 = 968.073 Located At Horizontal Angle = 0, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (0 - 180)