

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00657_2 ~ C0816ADJUDXT-10LWDGL-10LWD-XXK-EX-TSG-SO (UP_DOWN).IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00657_2_M-10L

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

[ISSUE DATE]

[TEST DATE] Thu Aug 11 2016

[UPDATE] 4/5/2018

[MANUFAC] Spectrum Lighting

[LUMCAT] C0816ADJUDXT-10L-WD-GL-10L-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	1626
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2254	2269	2246
55	677	677	682
65	377	381	385
75	220	236	258
85	12	6	8

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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	924.885	924.885	924.885	924.885	924.885
2.5	920.205	926.159	925.860	928.600	923.862
5.0	915.520	927.433	926.834	932.311	922.839
7.5	917.508	925.840	924.576	923.037	922.569
10.0	919.491	924.243	922.318	913.758	922.294
12.5	874.575	879.033	878.107	875.226	876.408
15.0	829.659	833.823	833.890	836.689	830.522
17.5	754.099	757.395	757.467	759.223	755.865
20.0	678.535	680.967	681.039	681.758	681.203
22.5	596.273	598.334	599.395	599.067	598.628
25.0	514.012	515.696	517.747	516.376	516.048
27.5	444.682	445.376	446.312	445.690	445.097
30.0	375.346	375.057	374.878	375.004	374.145
32.5	313.292	312.795	312.206	313.871	311.579
35.0	251.238	250.533	249.535	252.733	249.009
37.5	188.841	188.643	188.445	189.970	188.440
40.0	126.444	126.753	127.356	127.201	127.867
42.5	85.957	86.300	86.565	86.633	86.585
45.0	45.466	45.842	45.770	46.059	45.302
47.5	31.975	32.617	32.704	32.308	32.255
50.0	18.485	19.387	19.633	18.552	19.203
52.5	14.779	15.261	15.358	14.813	15.179
55.0	11.073	11.131	11.078	11.069	11.155
57.5	9.100	9.172	9.177	9.071	9.341
60.0	7.122	7.213	7.276	7.069	7.522
62.5	5.838	5.882	5.935	5.891	6.079
65.0	4.550	4.550	4.593	4.714	4.637
67.5	3.768	3.686	3.812	3.836	3.812
70.0	2.982	2.818	3.025	2.958	2.987
72.5	2.306	2.321	2.384	2.412	2.446
75.0	1.626	1.819	1.742	1.867	1.906
77.5	0.854	0.946	0.902	0.979	0.984
80.0	0.077	0.072	0.058	0.087	0.058
82.5	0.053	0.048	0.039	0.053	0.039
85.0	0.029	0.019	0.014	0.014	0.019
87.5	0.019	0.014	0.010	0.014	0.019
90.0	0.010	0.005	0.005	0.014	0.019
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	0.019	0.019	0.014	0.014	0.005
105.0	0.034	0.034	0.029	0.024	0.010
107.5	0.579	0.555	0.579	0.516	0.579
110.0	1.124	1.076	1.129	1.004	1.144
112.5	2.065	1.988	1.964	2.012	2.065
115.0	3.006	2.900	2.798	3.016	2.987
117.5	2.861	2.943	2.881	3.001	2.905
120.0	2.716	2.982	2.958	2.982	2.818
122.5	2.963	3.107	3.049	3.122	2.938
125.0	3.204	3.228	3.136	3.257	3.059

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127.5	16.091	16.062	15.512	16.125	15.927
130.0	28.974	28.897	27.888	28.989	28.796
132.5	79.656	79.275	78.715	79.241	78.445
135.0	130.333	129.653	129.542	129.493	128.094
137.5	181.473	180.103	180.518	180.402	179.683
140.0	232.608	230.553	231.494	231.310	231.272
142.5	268.892	267.744	268.921	268.410	268.251
145.0	305.176	304.935	306.344	305.505	305.229
147.5	341.065	341.557	342.710	342.146	342.536
150.0	376.948	378.174	379.071	378.782	379.838
152.5	428.658	430.163	429.985	430.409	430.279
155.0	480.363	482.148	480.898	482.032	480.715
157.5	589.287	591.178	589.132	588.047	588.949
160.0	698.206	700.209	697.362	694.062	697.179
162.5	770.480	773.201	771.932	768.994	773.168
165.0	842.749	846.194	846.503	843.921	849.152
167.5	906.005	911.066	915.148	913.792	907.389
170.0	969.256	975.938	983.789	983.658	965.622
172.5	951.118	954.520	962.221	962.718	949.999
175.0	932.981	933.097	940.653	941.772	934.376
177.5	886.647	886.705	890.483	891.042	887.346
180.0	840.032	840.032	840.032	840.032	840.032

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Zone	Lumens	%Lamp	%Fixt
0-20	316.35	N.A.	19.50
0-30	553.85	N.A.	34.10
0-40	708.42	N.A.	43.60
0-60	764.09	N.A.	47.00
0-80	770.61	N.A.	47.40
0-90	770.64	N.A.	47.40
10-90	682.46	N.A.	42.00
20-40	392.07	N.A.	24.10
20-50	436.95	N.A.	26.90
40-70	60.45	N.A.	3.70
60-80	6.52	N.A.	0.40
70-80	1.74	N.A.	0.10
80-90	0.03	N.A.	0.00
90-110	0.30	N.A.	0.00
90-120	2.74	N.A.	0.20
90-130	11.03	N.A.	0.70
90-150	299.30	N.A.	18.40
90-180	855.58	N.A.	52.60
110-180	855.28	N.A.	52.60
0-180	1626.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.18
10-20	228.17
20-30	237.50
30-40	154.57
40-50	44.89
50-60	10.78
60-70	4.79
70-80	1.74
80-90	0.03
90-100	0.00
100-110	0.30
110-120	2.44
120-130	8.29
130-140	98.33
140-150	189.94
150-160	231.59
160-170	234.51
170-180	90.17

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

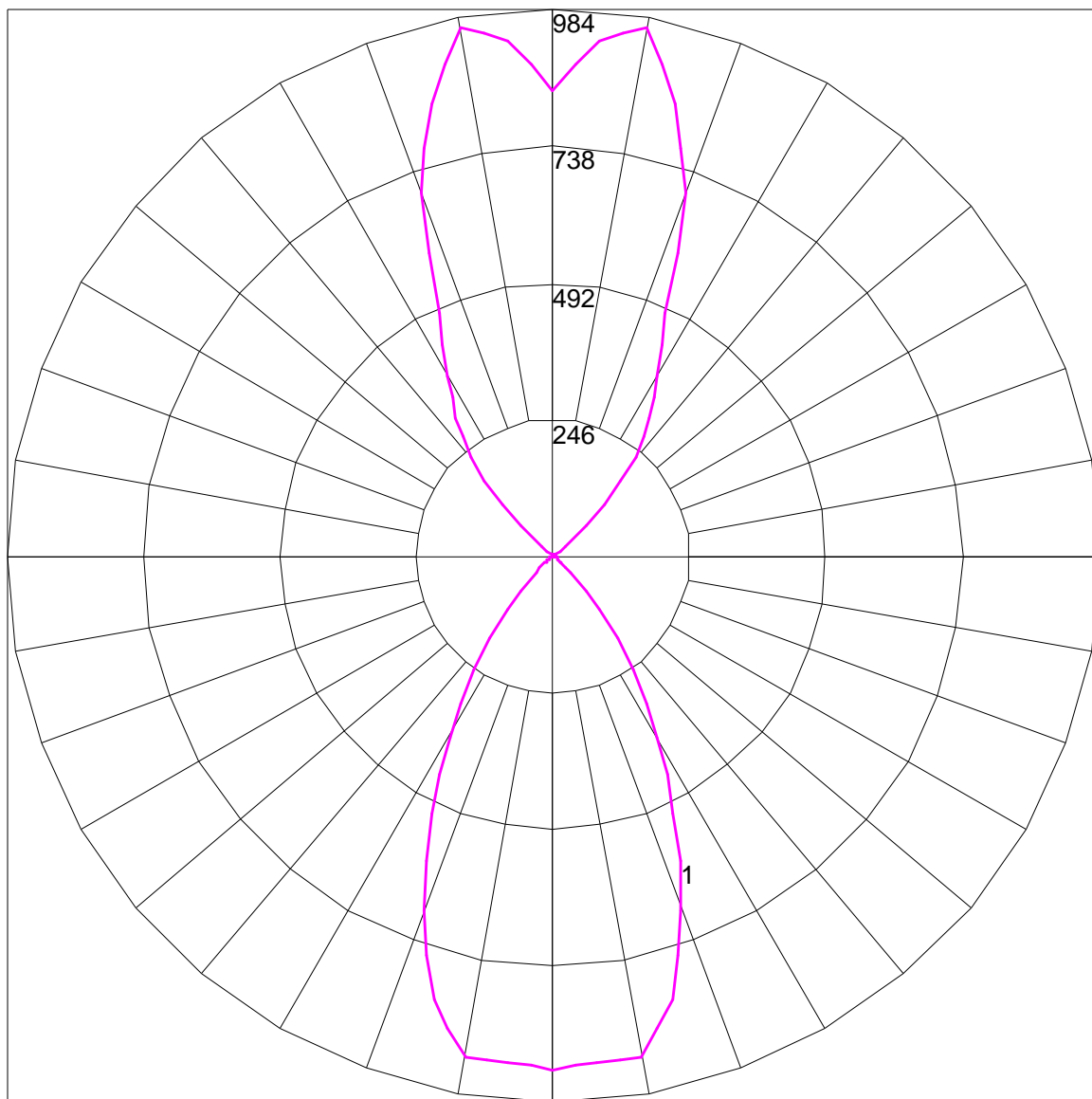
Effective Floor Cavity Reflectance 0.20

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	92	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 = 983.789 Located At Horizontal Angle = 45, Vertical Angle = 170
1 - Vertical Plane Through Horizontal Angles (0 - 180)