



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACS16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7673
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]03/21/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-8L-35-ACS16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8298
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	76.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15641	15499	15685
55	10635	10729	10501
65	10625	10661	10643
75	14998	15028	15028
85	33492	33669	33757

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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	2653	2653	2653	2653	2653
2.5	2669	2661	2656	2658	2660
5.0	2663	2664	2659	2660	2662
7.5	2662	2663	2665	2661	2670
10.0	2667	2687	2689	2666	2668
12.5	2722	2701	2745	2721	2720
15.0	2752	2726	2739	2743	2734
17.5	2711	2709	2728	2736	2741
20.0	2704	2692	2706	2707	2741
22.5	2716	2683	2702	2671	2716
25.0	2682	2645	2679	2666	2681
27.5	2652	2606	2626	2618	2644
30.0	2547	2555	2568	2543	2557
32.5	2449	2410	2419	2409	2408
35.0	2218	2232	2238	2235	2238
37.5	2042	2096	2061	2064	2049
40.0	1871	1899	1907	1878	1866
42.5	1662	1663	1675	1657	1674
45.0	1436	1435	1423	1440	1440
47.5	1256	1259	1253	1266	1278
50.0	1121	1123	1112	1116	1140
52.5	970	968	956	955	973
55.0	792	796	799	798	782
57.5	664	664	663	663	652
60.0	587	591	593	589	589
62.5	587	588	588	589	589
65.0	583	583	585	585	584
67.5	572	572	572	573	573
70.0	554	555	555	555	556
72.5	532	532	532	532	532
75.0	504	505	505	504	505
77.5	474	475	474	474	474
80.0	441	441	440	441	441
82.5	410	408	409	410	410
85.0	379	379	381	382	382
87.5	354	355	355	356	357
90.0	331	332	332	333	333
92.5	313	313	313	313	314
95.0	296	296	296	296	296
97.5	280	280	280	280	281
100.0	266	265	265	266	266
102.5	251	251	252	252	253
105.0	239	239	240	241	241
107.5	228	228	229	230	230
110.0	219	218	219	220	220
112.5	210	210	210	211	211
115.0	202	202	203	203	203
117.5	196	196	196	197	197
120.0	189	189	190	190	191
122.5	185	185	185	186	187
125.0	181	181	182	182	183
127.5	178	178	178	179	179
130.0	175	175	176	176	176
132.5	172	173	173	173	174

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CANDELA TABULATION - (Cont.)

135.0	170	170	170	171	171
137.5	166	167	167	168	168
140.0	163	164	164	164	164
142.5	158	159	159	159	159
145.0	154	154	155	155	155
147.5	149	149	149	150	149
150.0	143	143	143	144	144
152.5	136	137	137	137	137
155.0	130	130	131	131	131
157.5	122	122	123	123	122
160.0	116	115	117	117	116
162.5	109	108	110	109	109
165.0	102	101	102	101	101
167.5	95	95	95	93	93
170.0	87	87	87	85	84
172.5	79	79	78	76	76
175.0	71	71	71	70	71
177.5	62	62	64	64	64
180.0	57	57	57	57	57

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1025.5	N.A.	12.40
0-30	2251.97	N.A.	27.10
0-40	3647.34	N.A.	44.00
0-60	5504.35	N.A.	66.30
0-80	6610.04	N.A.	79.70
0-90	7027.7	N.A.	84.70
10-90	6773.28	N.A.	81.60
20-40	2621.84	N.A.	31.60
20-50	3749.12	N.A.	45.20
40-70	2431.87	N.A.	29.30
60-80	1105.68	N.A.	13.30
70-80	530.83	N.A.	6.40
80-90	417.67	N.A.	5.00
90-110	579.05	N.A.	7.00
90-120	781.18	N.A.	9.40
90-130	944.66	N.A.	11.40
90-150	1173.56	N.A.	14.10
90-180	1270.46	N.A.	15.30
110-180	691.41	N.A.	8.30
0-180	8298.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	254.42
10-20	771.08
20-30	1226.47
30-40	1395.36
40-50	1127.28
50-60	729.74
60-70	574.86
70-80	530.83
80-90	417.67
90-100	324.17
100-110	254.89
110-120	202.13
120-130	163.47
130-140	131.85
140-150	97.05
150-160	60.53
160-170	29.19
170-180	7.19

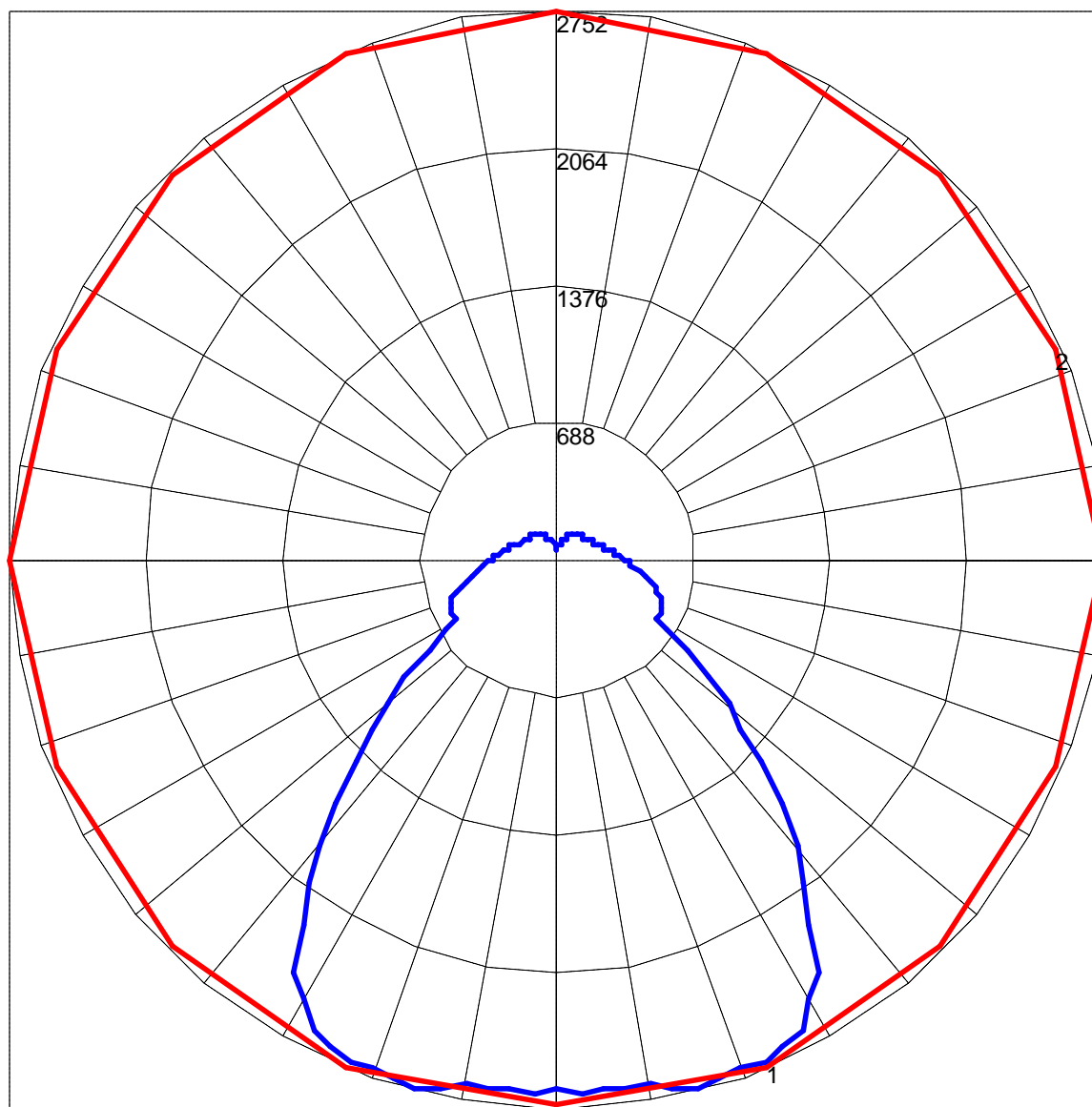
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	105	99	95	91	100	96	92	88	89	85	82	82	80	77	76	74	72	69
2	95	87	81	75	91	84	78	73	78	73	69	73	69	65	67	64	61	58
3	88	77	69	63	84	75	67	62	69	64	59	65	60	56	60	56	53	50
4	81	69	61	54	77	67	59	53	62	56	51	58	53	48	55	50	46	44
5	74	62	54	47	71	60	52	46	56	50	45	53	47	43	50	45	41	38
6	69	56	48	42	66	55	47	41	51	45	39	48	42	38	45	40	36	34
7	64	51	43	37	62	50	42	37	47	40	35	44	38	34	42	37	33	31
8	60	47	39	33	58	46	38	33	43	36	32	41	35	31	39	33	30	28
9	56	43	35	30	54	42	35	30	40	33	29	38	32	28	36	31	27	25
10	53	40	32	27	51	39	32	27	37	31	26	35	29	25	33	28	25	23

POLAR GRAPH



Maximum Candela = 2752 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)