



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-35-ACSF16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7672
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]03/21/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-8L-35-ACSF16
[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	8617
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	76.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.34
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	17493	17623	17656
55	12233	12139	12139
65	10898	10880	10843
75	15355	15325	15295
85	33227	33227	33227

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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	2842	2842	2842	2842	2842
2.5	2853	2844	2847	2847	2849
5.0	2851	2849	2850	2849	2849
7.5	2851	2847	2847	2847	2846
10.0	2858	2873	2883	2873	2859
12.5	2914	2913	2941	2931	2925
15.0	2953	2962	2940	2950	2968
17.5	2956	2938	2946	2944	2935
20.0	2926	2942	2928	2933	2946
22.5	2920	2906	2912	2907	2961
25.0	2928	2902	2901	2903	2936
27.5	2882	2876	2883	2880	2877
30.0	2807	2792	2792	2791	2794
32.5	2668	2659	2657	2642	2651
35.0	2476	2475	2482	2462	2473
37.5	2299	2301	2308	2291	2283
40.0	2103	2112	2112	2104	2090
42.5	1877	1874	1884	1870	1863
45.0	1606	1605	1618	1628	1621
47.5	1413	1414	1413	1410	1427
50.0	1252	1257	1255	1259	1271
52.5	1094	1100	1082	1094	1099
55.0	911	913	904	912	904
57.5	738	740	738	744	734
60.0	612	620	626	624	623
62.5	602	602	601	600	599
65.0	598	598	597	596	595
67.5	587	586	585	585	584
70.0	568	568	567	566	566
72.5	545	545	544	542	542
75.0	516	516	515	513	514
77.5	483	483	481	480	479
80.0	448	446	445	445	444
82.5	411	410	410	409	409
85.0	376	375	376	376	376
87.5	344	344	343	344	343
90.0	316	315	315	316	316
92.5	295	294	294	293	294
95.0	274	275	274	273	273
97.5	257	256	256	255	255
100.0	240	239	239	238	238
102.5	223	222	223	223	223
105.0	208	208	208	209	209
107.5	195	195	195	196	195
110.0	184	183	183	183	183
112.5	172	172	172	172	172
115.0	162	162	161	162	162
117.5	152	152	152	152	152
120.0	145	144	145	145	145
122.5	137	137	137	137	137
125.0	130	130	130	131	131
127.5	124	124	124	124	124
130.0	119	119	119	119	119
132.5	114	114	114	114	114

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CANDELA TABULATION - (Cont.)

135.0	109	109	109	109	109
137.5	105	105	105	105	105
140.0	101	101	101	101	101
142.5	97	98	97	98	98
145.0	94	94	94	94	94
147.5	90	91	90	91	90
150.0	87	87	87	87	87
152.5	83	84	83	84	83
155.0	80	80	80	80	79
157.5	75	75	76	76	75
160.0	72	72	73	72	72
162.5	68	67	69	68	68
165.0	64	64	65	64	63
167.5	60	60	60	59	59
170.0	55	55	55	53	53
172.5	50	50	50	48	48
175.0	45	45	45	45	45
177.5	39	40	40	41	41
180.0	36	36	36	36	36

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1104.07	N.A.	12.80
0-30	2441.34	N.A.	28.30
0-40	3983.75	N.A.	46.20
0-60	6069.87	N.A.	70.40
0-80	7200.2	N.A.	83.60
0-90	7611.8	N.A.	88.30
10-90	7339.46	N.A.	85.20
20-40	2879.68	N.A.	33.40
20-50	4145.72	N.A.	48.10
40-70	2675.83	N.A.	31.10
60-80	1130.33	N.A.	13.10
70-80	540.62	N.A.	6.30
80-90	411.60	N.A.	4.80
90-110	521.98	N.A.	6.10
90-120	683.44	N.A.	7.90
90-130	801.03	N.A.	9.30
90-150	945.26	N.A.	11.00
90-180	1005.2	N.A.	11.70
110-180	483.23	N.A.	5.60
0-180	8617.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	272.34
10-20	831.73
20-30	1337.28
30-40	1542.41
40-50	1266.04
50-60	820.08
60-70	589.72
70-80	540.62
80-90	411.60
90-100	300.31
100-110	221.66
110-120	161.47
120-130	117.58
130-140	84.99
140-150	59.24
150-160	37.06
160-170	18.32
170-180	4.56

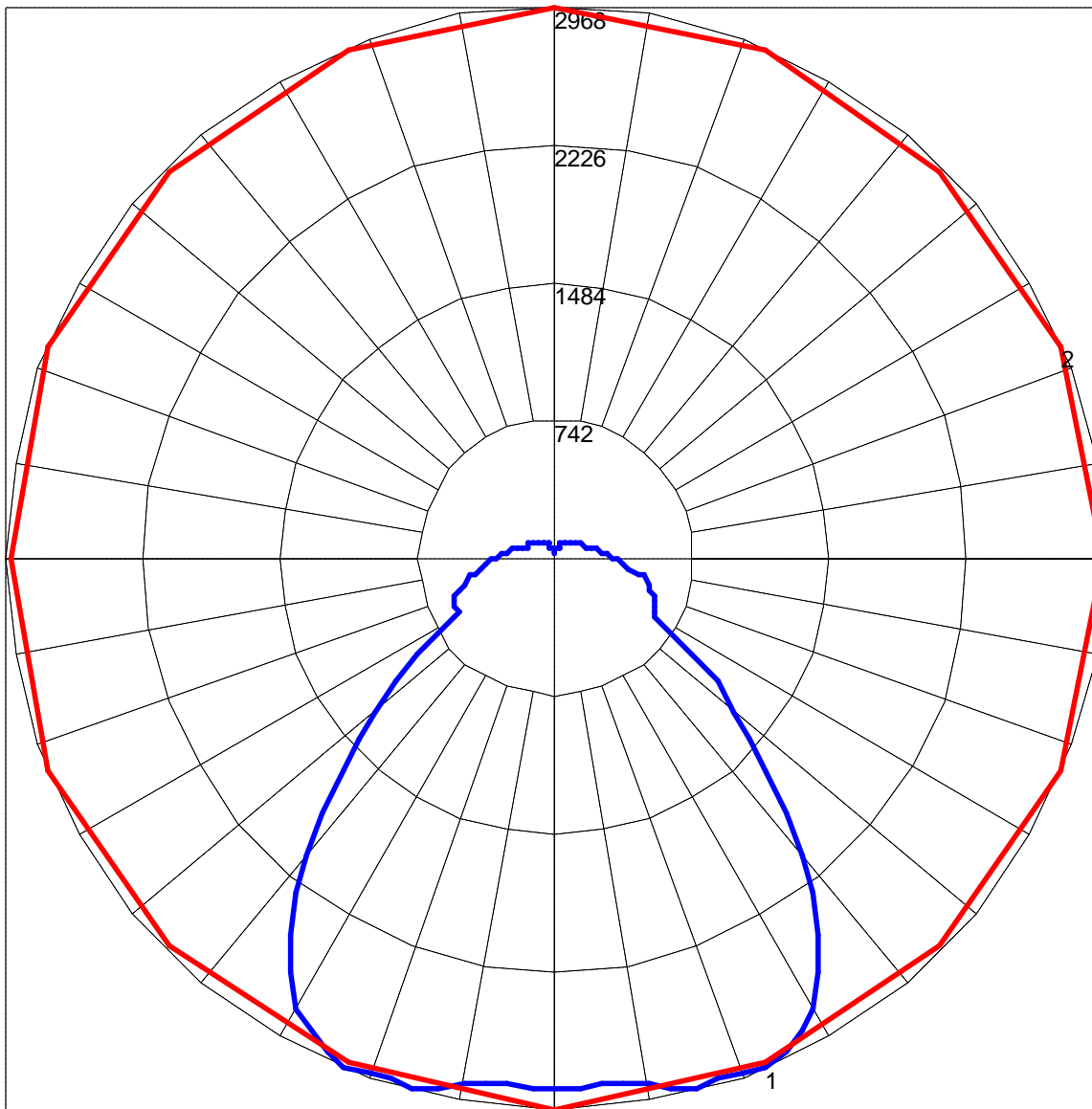
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	106	101	96	92	102	97	93	90	91	88	85	85	82	80	79	77	76	73
2	96	88	82	76	93	85	79	74	80	75	71	75	71	67	70	67	64	62
3	89	78	71	64	85	76	69	63	71	65	60	67	62	58	63	59	56	53
4	82	70	62	55	78	68	60	54	64	58	52	60	55	50	57	52	49	46
5	75	63	55	48	73	61	53	47	58	51	46	55	49	44	52	47	43	41
6	70	57	49	43	67	56	48	42	53	46	41	50	44	39	47	42	38	36
7	65	52	44	38	63	51	43	37	48	41	36	46	40	35	44	38	34	32
8	61	48	40	34	58	47	39	34	44	38	33	42	36	32	40	35	31	29
9	57	44	36	31	55	43	35	30	41	34	30	39	33	29	37	32	28	26
10	53	41	33	28	51	40	32	28	38	31	27	36	30	26	35	29	26	24

POLAR GRAPH



Maximum Candela = 2968 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)