



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACSF16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7911
[TESTLAB]LSI INDUSTRIES, INC
[TESTDATE]07/12/16
[ISSUE DATE]01/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]AUM-S-LED-8L-30-ACSF16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8665
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	74
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.30
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	16747	16888	16807
55	12743	12833	12751
65	12968	12946	12946
75	16819	16764	16709
85	31522	31468	31522

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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	2799.571	2799.571	2799.571	2799.571	2799.571
2.5	2803.876	2804.491	2803.876	2806.336	2805.106
5.0	2840.777	2846.927	2845.082	2853.078	2856.153
7.5	2883.829	2885.059	2894.284	2881.984	2878.909
10.0	2891.209	2912.735	2932.415	2925.650	2891.209
12.5	2898.589	2926.265	2941.641	2932.415	2895.514
15.0	2894.284	2928.725	2922.575	2912.120	2910.275
17.5	2884.444	2887.519	2905.969	2903.509	2868.453
20.0	2851.848	2864.148	2893.054	2892.439	2856.153
22.5	2821.712	2853.693	2848.158	2842.007	2831.552
25.0	2784.195	2806.336	2812.486	2819.252	2800.186
27.5	2712.238	2734.994	2738.069	2739.914	2691.327
30.0	2594.154	2614.450	2598.459	2590.464	2591.079
32.5	2474.840	2452.085	2437.324	2433.019	2469.305
35.0	2319.240	2293.409	2262.043	2294.640	2296.485
37.5	2143.960	2116.284	2092.298	2135.349	2148.265
40.0	1956.994	1937.928	1924.398	1951.458	1946.538
42.5	1749.732	1741.122	1738.046	1760.802	1746.657
45.0	1537.550	1536.320	1550.465	1554.771	1543.085
47.5	1363.499	1367.189	1394.865	1357.964	1357.964
50.0	1227.580	1239.880	1263.251	1251.566	1240.495
52.5	1079.360	1095.966	1117.491	1113.801	1085.510
55.0	948.976	952.051	955.741	960.661	949.591
57.5	838.272	822.897	809.366	821.667	839.502
60.0	746.634	738.024	728.184	733.719	737.409
62.5	720.803	720.803	719.573	719.573	718.958
65.0	711.578	710.963	710.348	709.733	710.348
67.5	690.052	689.437	688.207	687.592	686.977
70.0	656.841	656.226	655.611	654.381	654.996
72.5	614.405	613.790	613.175	611.945	610.100
75.0	565.203	565.203	563.358	562.743	561.513
77.5	510.467	509.237	507.391	507.391	507.391
80.0	453.885	450.195	451.425	450.195	449.580
82.5	397.918	397.918	397.303	398.533	397.303
85.0	356.712	356.712	356.097	356.712	356.712
87.5	321.655	322.270	321.655	321.040	320.425
90.0	293.980	293.980	293.365	292.134	292.750
92.5	271.839	271.839	271.224	269.994	269.379
95.0	252.158	252.773	251.543	250.928	250.928
97.5	235.553	235.553	235.553	234.938	234.938
100.0	221.407	220.792	221.407	221.407	220.792
102.5	208.492	208.492	209.107	209.107	209.107
105.0	198.036	198.036	198.036	198.036	198.036
107.5	188.196	188.811	188.811	188.196	188.811
110.0	180.201	180.201	180.201	180.201	180.201
112.5	172.821	172.821	172.821	173.436	173.436
115.0	166.670	166.670	167.285	167.285	167.900
117.5	162.365	162.365	162.365	162.980	162.980
120.0	159.290	159.290	159.905	159.905	160.520
122.5	158.060	157.445	158.060	158.675	158.675
125.0	157.445	157.445	158.060	158.060	158.675
127.5	158.060	158.060	158.060	158.675	159.290
130.0	158.675	158.675	159.290	159.290	159.905
132.5	159.290	159.905	159.905	160.520	160.520

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135.0	160.520	160.520	160.520	161.135	161.135
137.5	160.520	159.905	160.520	160.520	161.135
140.0	158.675	158.675	158.675	158.675	159.290
142.5	155.600	154.985	155.600	155.600	155.600
145.0	150.680	150.680	150.680	150.680	151.295
147.5	145.760	145.760	146.375	145.760	145.760
150.0	140.225	140.225	140.225	140.225	140.225
152.5	134.074	132.844	133.459	134.074	134.074
155.0	125.464	124.849	126.079	126.694	126.694
157.5	116.854	116.239	117.469	118.084	118.699
160.0	109.474	109.474	110.704	111.319	111.319
162.5	101.478	102.093	102.708	103.323	102.708
165.0	93.483	94.713	94.713	95.328	94.713
167.5	86.103	86.718	86.103	86.103	84.873
170.0	78.723	78.723	78.108	76.877	76.262
172.5	70.727	70.112	68.882	67.037	66.422
175.0	62.732	61.502	59.657	57.197	55.967
177.5	54.122	52.892	51.047	47.972	46.742
180.0	43.666	43.666	43.666	43.666	43.666

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1097.43	N.A.	12.70
0-30	2380.29	N.A.	27.50
0-40	3806.27	N.A.	43.90
0-60	5873.86	N.A.	67.80
0-80	7162.89	N.A.	82.70
0-90	7557.63	N.A.	87.20
10-90	7283.67	N.A.	84.10
20-40	2708.84	N.A.	31.30
20-50	3912.66	N.A.	45.20
40-70	2765.54	N.A.	31.90
60-80	1289.03	N.A.	14.90
70-80	591.08	N.A.	6.80
80-90	394.74	N.A.	4.60
90-110	487.71	N.A.	5.60
90-120	654.79	N.A.	7.60
90-130	796.96	N.A.	9.20
90-150	1015.62	N.A.	11.70
90-180	1107.62	N.A.	12.80
110-180	619.90	N.A.	7.20
0-180	8665.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	273.96
10-20	823.47
20-30	1282.86
30-40	1425.97
40-50	1203.83
50-60	863.76
60-70	697.95
70-80	591.08
80-90	394.74
90-100	276.98
100-110	210.73
110-120	167.08
120-130	142.17
130-140	123.95
140-150	94.71
150-160	58.54
160-170	27.23
170-180	6.23

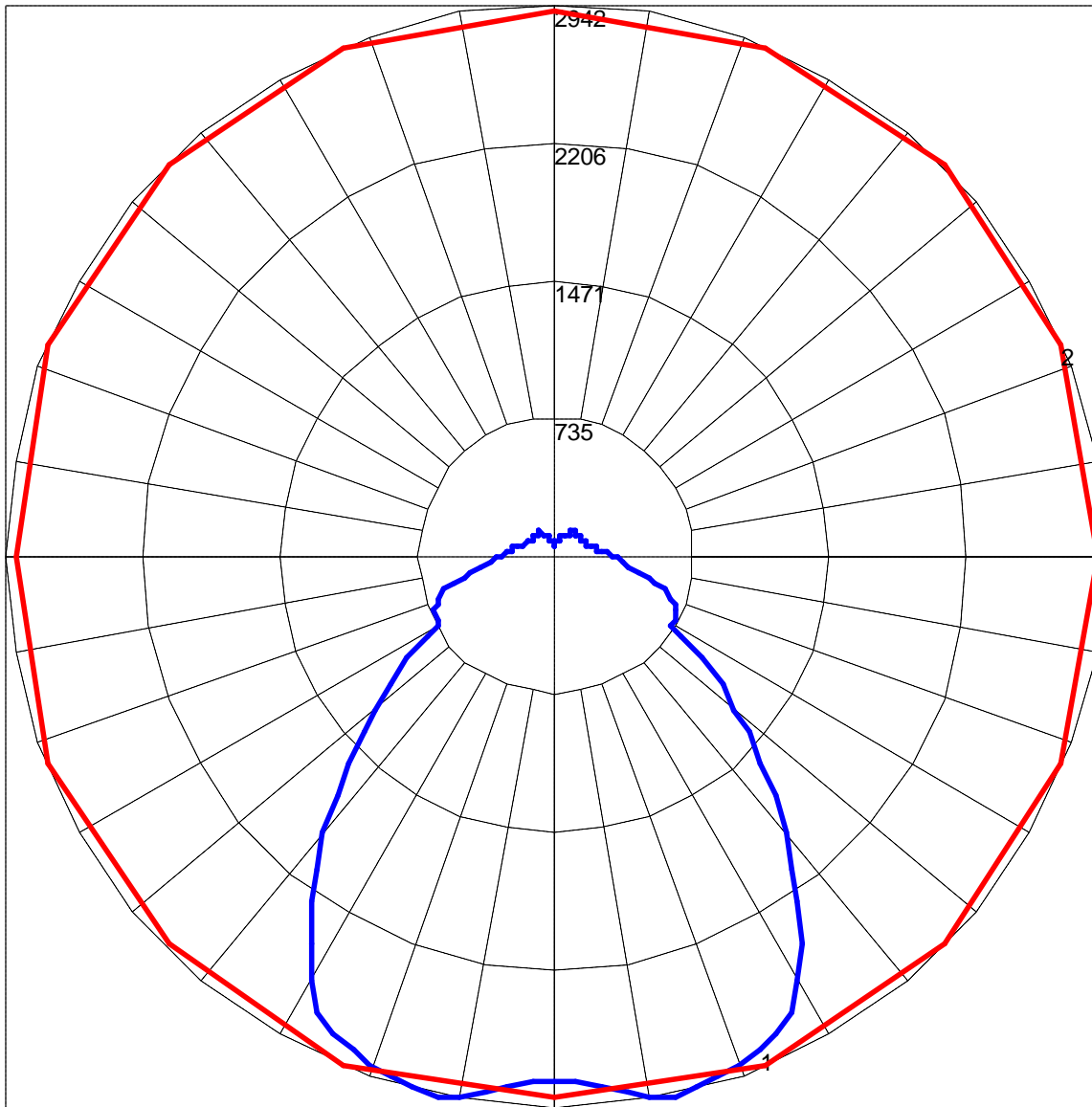
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	97	97	97	90	90	90	87
1	105	100	96	92	101	97	93	89	90	87	84	84	81	79	78	76	74	71
2	96	88	81	75	92	85	78	73	79	74	70	74	70	66	69	66	63	60
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51
4	81	69	61	54	78	67	59	53	63	56	51	59	54	49	56	51	47	44
5	75	62	54	47	72	60	52	46	57	50	45	54	48	43	50	45	41	39
6	69	56	48	42	66	55	47	41	52	45	39	49	43	38	46	41	37	35
7	64	51	43	37	62	50	42	36	47	40	35	45	39	34	42	37	33	31
8	60	47	39	33	58	46	38	33	43	37	32	41	35	31	39	34	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	30	26	34	29	25	23

POLAR GRAPH



Maximum Candela = 2941.641 Located At Horizontal Angle = 45, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)