



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-40-ACSF16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7911R Report: LSI-PH0244
[TESTLAB]LSI INDUSTRIES, INC
[TESTDATE]07/12/16
[ISSUE DATE]01/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-14L-40-ACSF16FA
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14089
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	107.7
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	27230	27459	27328
55	20719	20867	20733
65	21085	21049	21049
75	27347	27258	27169
85	51254	51166	51254

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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	4552	4552	4552	4552	4552
2.5	4559	4560	4559	4563	4561
5.0	4619	4629	4626	4639	4644
7.5	4689	4691	4706	4686	4681
10.0	4701	4736	4768	4757	4701
12.5	4713	4758	4783	4768	4708
15.0	4706	4762	4752	4735	4732
17.5	4690	4695	4725	4721	4664
20.0	4637	4657	4704	4703	4644
22.5	4588	4640	4631	4621	4604
25.0	4527	4563	4573	4584	4553
27.5	4410	4447	4452	4455	4376
30.0	4218	4251	4225	4212	4213
32.5	4024	3987	3963	3956	4015
35.0	3771	3729	3678	3731	3734
37.5	3486	3441	3402	3472	3493
40.0	3182	3151	3129	3173	3165
42.5	2845	2831	2826	2863	2840
45.0	2500	2498	2521	2528	2509
47.5	2217	2223	2268	2208	2208
50.0	1996	2016	2054	2035	2017
52.5	1755	1782	1817	1811	1765
55.0	1543	1548	1554	1562	1544
57.5	1363	1338	1316	1336	1365
60.0	1214	1200	1184	1193	1199
62.5	1172	1172	1170	1170	1169
65.0	1157	1156	1155	1154	1155
67.5	1122	1121	1119	1118	1117
70.0	1068	1067	1066	1064	1065
72.5	999	998	997	995	992
75.0	919	919	916	915	913
77.5	830	828	825	825	825
80.0	738	732	734	732	731
82.5	647	647	646	648	646
85.0	580	580	579	580	580
87.5	523	524	523	522	521
90.0	478	478	477	475	476
92.5	442	442	441	439	438
95.0	410	411	409	408	408
97.5	383	383	383	382	382
100.0	360	359	360	360	359
102.5	339	339	340	340	340
105.0	322	322	322	322	322
107.5	306	307	307	306	307
110.0	293	293	293	293	293
112.5	281	281	281	282	282
115.0	271	271	272	272	273
117.5	264	264	264	265	265
120.0	259	259	260	260	261
122.5	257	256	257	258	258
125.0	256	256	257	257	258
127.5	257	257	257	258	259
130.0	258	258	259	259	260
132.5	259	260	260	261	261

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CANDELA TABULATION - (Cont.)

135.0	261	261	261	262	262
137.5	261	260	261	261	262
140.0	258	258	258	258	259
142.5	253	252	253	253	253
145.0	245	245	245	245	246
147.5	237	237	238	237	237
150.0	228	228	228	228	228
152.5	218	216	217	218	218
155.0	204	203	205	206	206
157.5	190	189	191	192	193
160.0	178	178	180	181	181
162.5	165	166	167	168	167
165.0	152	154	154	155	154
167.5	140	141	140	140	138
170.0	128	128	127	125	124
172.5	115	114	112	109	108
175.0	102	100	97	93	91
177.5	88	86	83	78	76
180.0	71	71	71	71	71

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1784.38	N.A.	12.70
0-30	3870.27	N.A.	27.50
0-40	6188.85	N.A.	43.90
0-60	9550.68	N.A.	67.80
0-80	11646.59	N.A.	82.70
0-90	12288.43	N.A.	87.20
10-90	11842.98	N.A.	84.10
20-40	4404.47	N.A.	31.30
20-50	6361.85	N.A.	45.20
40-70	4496.67	N.A.	31.90
60-80	2095.91	N.A.	14.90
70-80	961.08	N.A.	6.80
80-90	641.84	N.A.	4.60
90-110	793.01	N.A.	5.60
90-120	1064.67	N.A.	7.60
90-130	1295.83	N.A.	9.20
90-150	1651.36	N.A.	11.70
90-180	1800.95	N.A.	12.80
110-180	1007.94	N.A.	7.20
0-180	14089.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	445.45
10-20	1338.93
20-30	2085.89
30-40	2318.58
40-50	1957.38
50-60	1404.45
60-70	1134.84
70-80	961.08
80-90	641.84
90-100	450.37
100-110	342.64
110-120	271.66
120-130	231.16
130-140	201.54
140-150	154.00
150-160	95.18
160-170	44.27
170-180	10.13

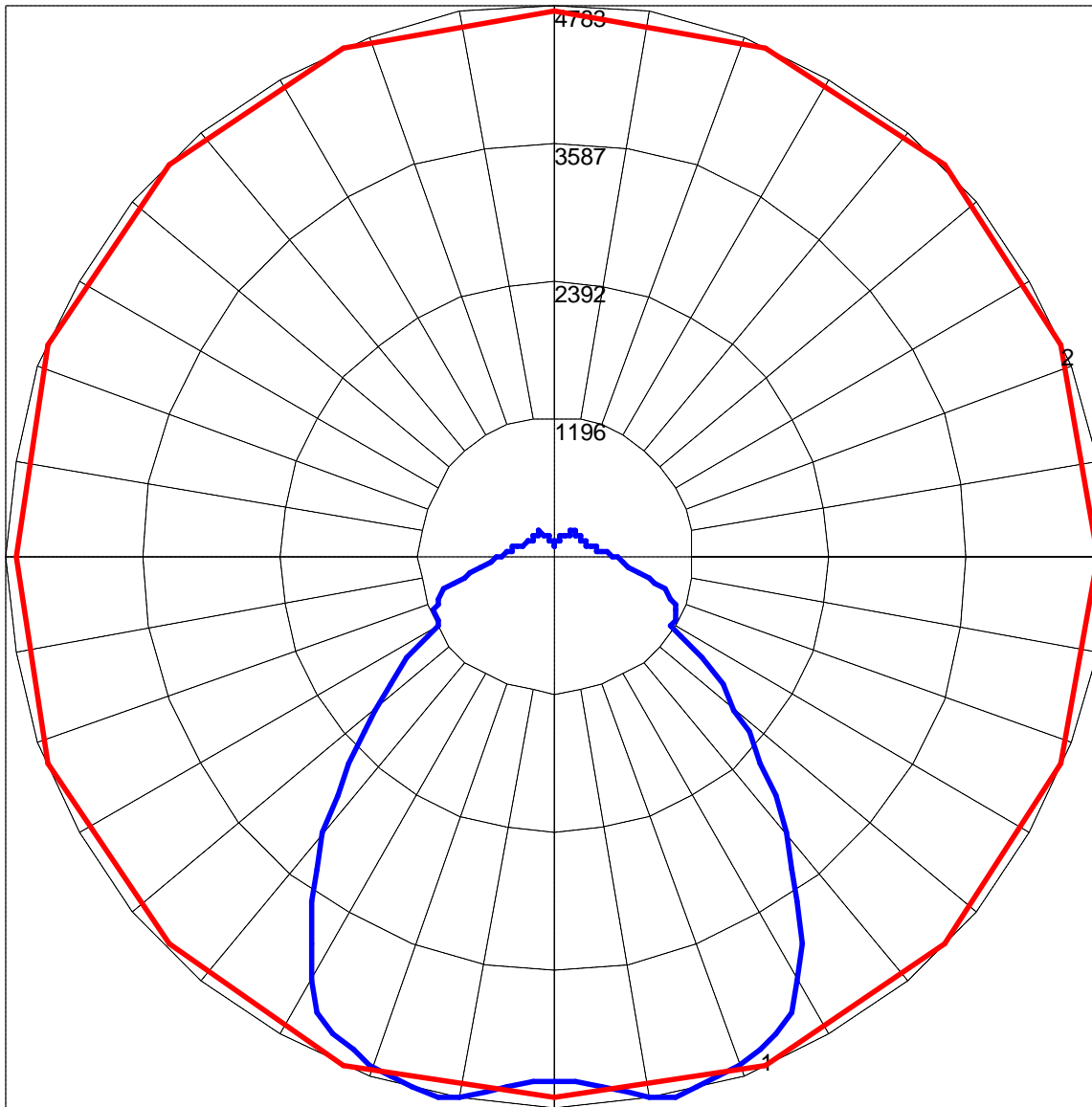
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4783 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.)