



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-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
[LUMCAT]AUM-S-LED-14L-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	13634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	108
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	26351	26572	26446
55	20050	20193	20063
65	20405	20369	20369
75	26464	26378	26292
85	49599	49514	49599

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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	4405.016	4405.016	4405.016	4405.016	4405.016
2.5	4411.790	4412.758	4411.790	4415.661	4413.725
5.0	4469.853	4479.530	4476.627	4489.207	4494.045
7.5	4537.592	4539.528	4554.043	4534.689	4529.851
10.0	4549.205	4583.075	4614.041	4603.397	4549.205
12.5	4560.817	4604.364	4628.557	4614.041	4555.979
15.0	4554.043	4608.235	4598.558	4582.107	4579.204
17.5	4538.560	4543.399	4572.430	4568.559	4513.400
20.0	4487.271	4506.626	4552.108	4551.140	4494.045
22.5	4439.854	4490.174	4481.465	4471.788	4455.337
25.0	4380.823	4415.661	4425.338	4435.983	4405.984
27.5	4267.601	4303.406	4308.245	4311.148	4234.699
30.0	4081.801	4113.735	4088.575	4075.995	4076.962
32.5	3894.065	3858.260	3835.035	3828.261	3885.356
35.0	3649.234	3608.591	3559.237	3610.526	3613.429
37.5	3373.437	3329.890	3292.149	3359.889	3380.211
40.0	3079.253	3049.254	3027.965	3070.544	3062.802
42.5	2753.135	2739.587	2734.749	2770.554	2748.296
45.0	2419.275	2417.340	2439.597	2446.371	2427.984
47.5	2145.413	2151.219	2194.766	2136.704	2136.704
50.0	1931.549	1950.903	1987.676	1969.290	1951.871
52.5	1698.331	1724.459	1758.329	1752.523	1708.008
55.0	1493.177	1498.015	1503.821	1511.563	1494.144
57.5	1318.989	1294.796	1273.506	1292.861	1320.924
60.0	1174.800	1161.252	1145.769	1154.478	1160.284
62.5	1134.156	1134.156	1132.221	1132.221	1131.253
65.0	1119.640	1118.673	1117.705	1116.737	1117.705
67.5	1085.771	1084.803	1082.868	1081.900	1080.932
70.0	1033.514	1032.547	1031.579	1029.643	1030.611
72.5	966.742	965.775	964.807	962.871	959.968
75.0	889.326	889.326	886.422	885.455	883.519
77.5	803.199	801.264	798.361	798.361	798.361
80.0	714.170	708.364	710.299	708.364	707.396
82.5	626.108	626.108	625.141	627.076	625.141
85.0	561.272	561.272	560.304	561.272	561.272
87.5	506.112	507.080	506.112	505.145	504.177
90.0	462.565	462.565	461.598	459.662	460.630
92.5	427.728	427.728	426.760	424.825	423.857
95.0	396.761	397.729	395.793	394.826	394.826
97.5	370.633	370.633	370.633	369.665	369.665
100.0	348.376	347.408	348.376	348.376	347.408
102.5	328.054	328.054	329.021	329.021	329.021
105.0	311.603	311.603	311.603	311.603	311.603
107.5	296.119	297.087	297.087	296.119	297.087
110.0	283.539	283.539	283.539	283.539	283.539
112.5	271.927	271.927	271.927	272.894	272.894
115.0	262.249	262.249	263.217	263.217	264.185
117.5	255.475	255.475	255.475	256.443	256.443
120.0	250.637	250.637	251.605	251.605	252.572
122.5	248.701	247.734	248.701	249.669	249.669
125.0	247.734	247.734	248.701	248.701	249.669
127.5	248.701	248.701	248.701	249.669	250.637
130.0	249.669	249.669	250.637	250.637	251.605
132.5	250.637	251.605	251.605	252.572	252.572

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CANDELA TABULATION - (Cont.)

135.0	252.572	252.572	252.572	253.540	253.540
137.5	252.572	251.605	252.572	252.572	253.540
140.0	249.669	249.669	249.669	249.669	250.637
142.5	244.831	243.863	244.831	244.831	244.831
145.0	237.089	237.089	237.089	237.089	238.057
147.5	229.347	229.347	230.315	229.347	229.347
150.0	220.638	220.638	220.638	220.638	220.638
152.5	210.961	209.025	209.993	210.961	210.961
155.0	197.413	196.445	198.381	199.348	199.348
157.5	183.865	182.897	184.833	185.800	186.768
160.0	172.252	172.252	174.188	175.156	175.156
162.5	159.672	160.640	161.608	162.575	161.608
165.0	147.092	149.027	149.027	149.995	149.027
167.5	135.479	136.447	135.479	135.479	133.544
170.0	123.867	123.867	122.899	120.964	119.996
172.5	111.287	110.319	108.384	105.480	104.513
175.0	98.706	96.771	93.868	89.997	88.062
177.5	85.158	83.223	80.320	75.481	73.546
180.0	68.707	68.707	68.707	68.707	68.707

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1726.76	N.A.	12.70
0-30	3745.3	N.A.	27.50
0-40	5989.01	N.A.	43.90
0-60	9242.28	N.A.	67.80
0-80	11270.52	N.A.	82.70
0-90	11891.64	N.A.	87.20
10-90	11460.57	N.A.	84.10
20-40	4262.25	N.A.	31.30
20-50	6156.42	N.A.	45.20
40-70	4351.47	N.A.	31.90
60-80	2028.24	N.A.	14.90
70-80	930.04	N.A.	6.80
80-90	621.12	N.A.	4.60
90-110	767.40	N.A.	5.60
90-120	1030.29	N.A.	7.60
90-130	1253.98	N.A.	9.20
90-150	1598.04	N.A.	11.70
90-180	1742.79	N.A.	12.80
110-180	975.39	N.A.	7.20
0-180	13634.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	431.07
10-20	1295.7
20-30	2018.54
30-40	2243.71
40-50	1894.18
50-60	1359.1
60-70	1098.19
70-80	930.04
80-90	621.12
90-100	435.82
100-110	331.58
110-120	262.89
120-130	223.70
130-140	195.03
140-150	149.02
150-160	92.11
160-170	42.84
170-180	9.81

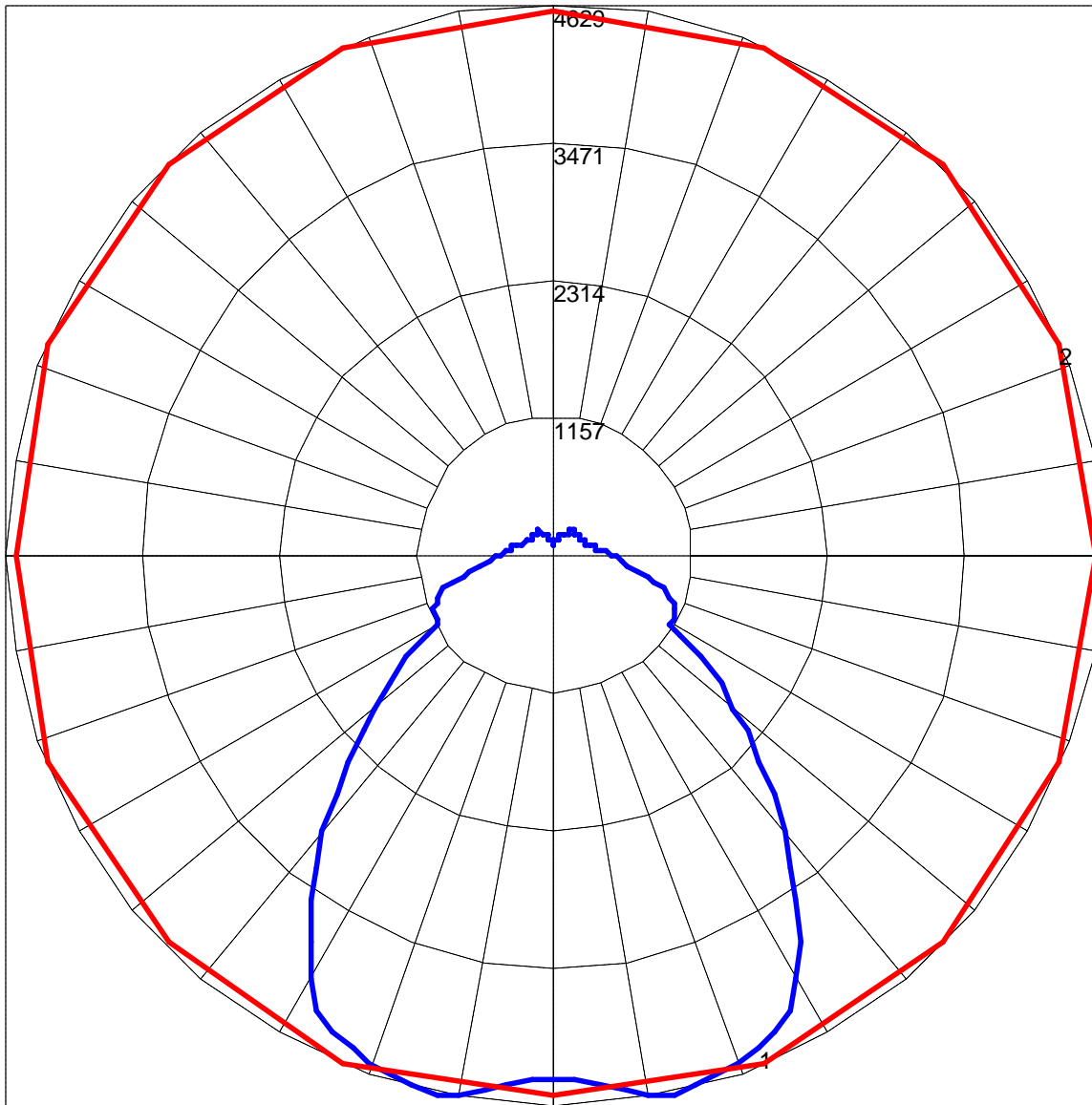
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4628.557 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.)