



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-30-ACS16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7863
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]06/09/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]AUM-S-LED-14L-30-ACS16FA
[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	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.36
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	29649	29739	29689
55	26347	26508	26101
65	27831	28098	27781
75	24525	24115	24006
85	9975	9975	10138

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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	4429.062	4429.062	4429.062	4429.062	4429.062
2.5	4446.499	4443.746	4440.075	4436.404	4440.992
5.0	4562.135	4562.135	4554.793	4580.490	4587.832
7.5	4682.361	4697.962	4737.426	4685.114	4698.880
10.0	4805.339	4846.638	4882.430	4842.967	4798.915
12.5	4922.811	4976.958	4939.331	4920.058	4876.006
15.0	4964.110	5002.655	5015.504	4990.725	4949.426
17.5	4998.067	5025.599	5067.816	5039.365	4990.725
20.0	5012.751	5021.010	5041.201	5015.504	4956.768
22.5	4943.002	4970.534	4968.699	4986.136	4983.383
25.0	4853.062	4876.924	4891.608	4904.456	4881.512
27.5	4690.620	4693.374	4713.564	4695.209	4665.841
30.0	4439.157	4399.694	4424.473	4401.529	4379.503
32.5	4154.654	4107.849	4060.126	4084.905	4113.356
35.0	3895.849	3832.524	3762.775	3827.935	3897.684
37.5	3678.342	3622.359	3572.801	3628.784	3662.740
40.0	3437.892	3397.511	3362.636	3406.688	3421.372
42.5	3095.571	3118.515	3069.874	3070.792	3108.419
45.0	2722.047	2753.250	2730.306	2699.103	2725.718
47.5	2439.380	2452.228	2487.103	2434.791	2432.955
50.0	2272.349	2298.046	2309.977	2288.869	2263.172
52.5	2108.072	2141.111	2151.206	2136.522	2095.223
55.0	1962.150	1986.011	1974.080	1977.751	1943.795
57.5	1862.115	1841.007	1841.924	1844.678	1850.184
60.0	1750.149	1740.972	1727.206	1744.643	1748.314
62.5	1659.292	1688.660	1693.249	1685.907	1664.799
65.0	1527.136	1536.314	1541.820	1537.231	1524.383
67.5	1368.365	1377.543	1375.707	1375.707	1358.270
70.0	1184.815	1189.404	1190.322	1181.144	1183.898
72.5	1002.183	996.677	990.252	989.335	992.088
75.0	824.140	813.127	810.373	806.702	806.702
77.5	613.975	619.481	610.304	613.057	614.893
80.0	378.113	374.442	375.360	377.195	382.702
82.5	184.468	186.303	185.386	191.810	189.057
85.0	112.883	113.801	112.883	114.719	114.719
87.5	73.420	74.338	74.338	74.338	73.420
90.0	54.147	55.065	54.147	53.230	53.230
92.5	52.312	52.312	52.312	52.312	51.394
95.0	51.394	51.394	51.394	50.476	51.394
97.5	51.394	51.394	50.476	50.476	51.394
100.0	52.312	52.312	52.312	52.312	52.312
102.5	55.983	56.901	56.901	55.983	55.983
105.0	60.572	60.572	60.572	60.572	60.572
107.5	64.243	65.160	65.160	64.243	64.243
110.0	66.078	66.078	66.078	65.160	65.160
112.5	64.243	63.325	63.325	63.325	63.325
115.0	63.325	62.407	62.407	62.407	62.407
117.5	65.160	64.243	63.325	64.243	64.243
120.0	72.502	70.667	68.831	68.831	68.831
122.5	91.775	89.940	88.104	88.104	89.022
125.0	117.472	115.637	114.719	114.719	114.719
127.5	144.087	144.087	143.169	143.169	141.334
130.0	169.784	168.866	167.948	167.948	167.948
132.5	197.316	194.563	192.728	192.728	193.645

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CANDELA TABULATION - (Cont.)

135.0	223.931	222.096	219.342	218.425	219.342
137.5	243.204	242.286	242.286	239.533	238.615
140.0	248.710	249.628	249.628	247.793	245.957
142.5	245.957	245.039	244.122	243.204	243.204
145.0	237.697	234.026	232.191	232.191	235.862
147.5	226.684	222.096	219.342	220.260	223.931
150.0	214.754	211.083	208.329	210.165	212.000
152.5	197.316	196.399	193.645	194.563	196.399
155.0	174.373	175.290	175.290	174.373	176.208
157.5	147.758	148.676	148.676	148.676	148.676
160.0	126.650	127.567	126.650	125.732	124.814
162.5	107.377	109.212	108.295	106.459	105.541
165.0	93.611	94.528	92.693	91.775	90.857
167.5	84.433	84.433	83.515	82.598	81.680
170.0	79.844	79.844	78.009	76.173	74.338
172.5	76.173	77.091	74.338	72.502	70.667
175.0	71.585	71.585	71.585	70.667	70.667
177.5	66.078	65.160	67.914	69.749	70.667
180.0	62.407	62.407	62.407	62.407	62.407

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1856.61	N.A.	13.60
0-30	4077.91	N.A.	29.90
0-40	6492.94	N.A.	47.60
0-60	10414.56	N.A.	76.40
0-80	12756.76	N.A.	93.60
0-90	12917.54	N.A.	94.70
10-90	12472.87	N.A.	91.50
20-40	4636.33	N.A.	34.00
20-50	6775.82	N.A.	49.70
40-70	5420.36	N.A.	39.80
60-80	2342.19	N.A.	17.20
70-80	843.46	N.A.	6.20
80-90	160.79	N.A.	1.20
90-110	120.21	N.A.	0.90
90-120	184.17	N.A.	1.40
90-130	287.99	N.A.	2.10
90-150	600.83	N.A.	4.40
90-180	716.61	N.A.	5.30
110-180	596.41	N.A.	4.40
0-180	13634.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	444.68
10-20	1411.93
20-30	2221.3
30-40	2415.03
40-50	2139.49
50-60	1782.14
60-70	1498.74
70-80	843.46
80-90	160.79
90-100	56.59
100-110	63.61
110-120	63.96
120-130	103.82
130-140	166.37
140-150	146.47
150-160	80.76
160-170	28.05
170-180	6.98

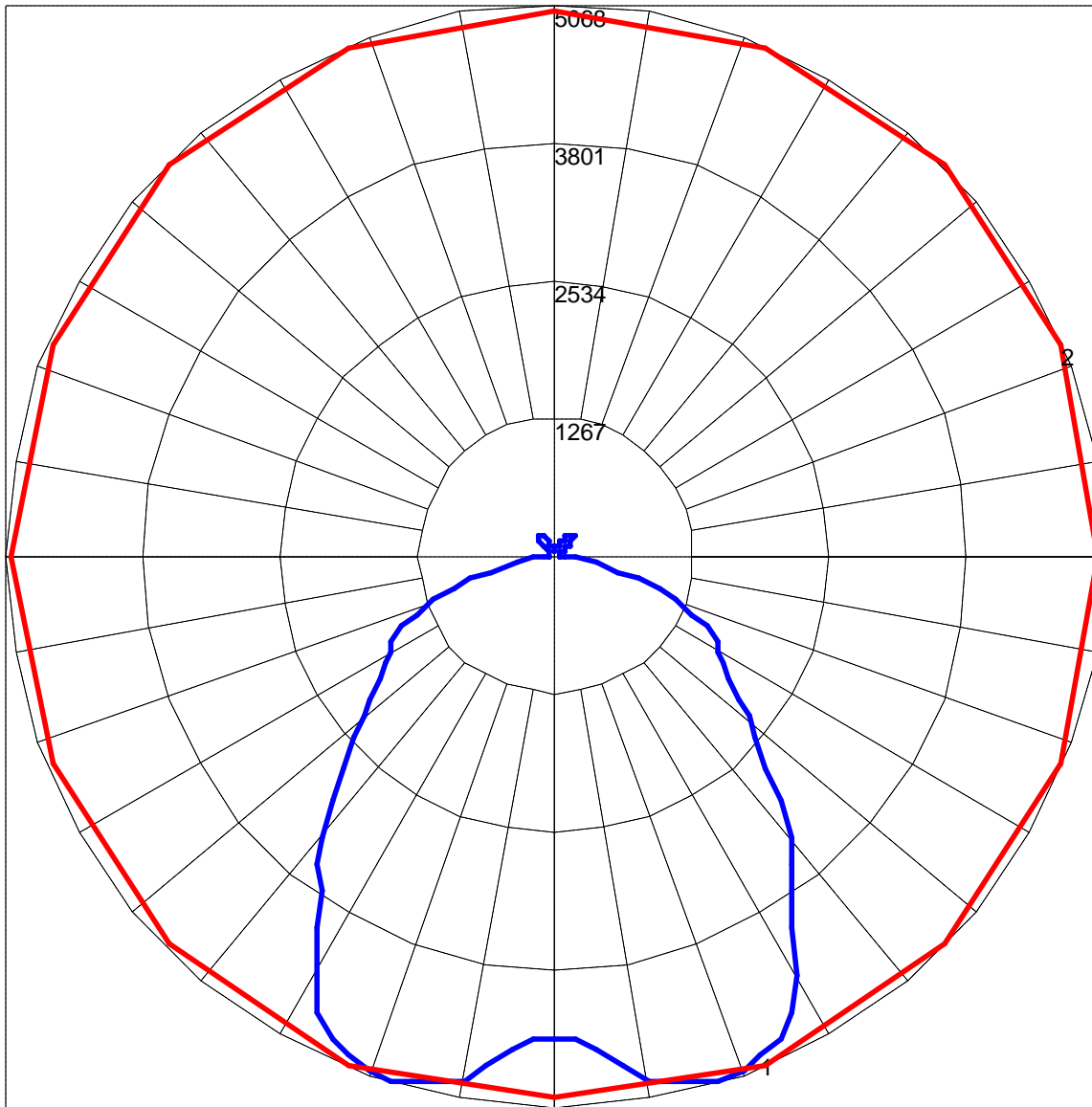
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80
2	99	91	84	79	96	88	82	77	84	79	75	80	76	72	76	73	70	68
3	90	80	72	66	87	78	71	65	74	68	63	71	66	62	68	64	60	58
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	76	64	55	49	74	63	55	48	60	53	47	57	51	46	55	50	46	43
6	71	58	49	43	69	57	49	43	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	38	33	42	37	32	31
9	57	44	36	31	56	43	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	36	31	27	25

POLAR GRAPH



Maximum Candela = 5067.816 Located At Horizontal Angle = 45, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)