



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-14L-35-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
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-14L-35-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	13921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	107
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	26906	27132	27003
55	20472	20618	20485
65	20834	20798	20798
75	27021	26933	26845
85	50643	50556	50643

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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	4497.740	4497.740	4497.740	4497.740	4497.740
2.5	4504.657	4505.645	4504.657	4508.609	4506.633
5.0	4563.942	4573.822	4570.858	4583.703	4588.644
7.5	4633.107	4635.083	4649.905	4630.143	4625.203
10.0	4644.964	4679.547	4711.166	4700.297	4644.964
12.5	4656.821	4701.285	4725.987	4711.166	4651.881
15.0	4649.905	4705.237	4695.356	4678.559	4675.595
17.5	4634.095	4639.036	4668.678	4664.726	4608.405
20.0	4581.727	4601.489	4647.928	4646.940	4588.644
22.5	4533.311	4584.691	4575.799	4565.918	4549.120
25.0	4473.038	4508.609	4518.490	4529.359	4498.728
27.5	4357.433	4393.992	4398.932	4401.897	4323.838
30.0	4167.722	4200.328	4174.638	4161.793	4162.781
32.5	3976.034	3939.475	3915.761	3908.845	3967.141
35.0	3726.050	3684.550	3634.158	3686.527	3689.491
37.5	3444.447	3399.983	3361.448	3430.614	3451.364
40.0	3144.071	3113.440	3091.702	3135.178	3127.273
42.5	2811.088	2797.255	2792.314	2828.873	2806.147
45.0	2470.200	2468.224	2490.950	2497.866	2479.093
47.5	2190.573	2196.502	2240.965	2181.681	2181.681
50.0	1972.208	1991.969	2029.516	2010.743	1992.957
52.5	1734.080	1760.759	1795.341	1789.413	1743.961
55.0	1524.607	1529.548	1535.476	1543.381	1525.596
57.5	1346.753	1322.051	1300.313	1320.075	1348.729
60.0	1199.529	1185.696	1169.887	1178.779	1184.708
62.5	1158.030	1158.030	1156.054	1156.054	1155.066
65.0	1143.209	1142.221	1141.232	1140.244	1141.232
67.5	1108.626	1107.638	1105.662	1104.673	1103.685
70.0	1055.269	1054.281	1053.293	1051.317	1052.305
72.5	987.092	986.104	985.116	983.140	980.175
75.0	908.046	908.046	905.081	904.093	902.117
77.5	820.106	818.130	815.166	815.166	815.166
80.0	729.203	723.275	725.251	723.275	722.286
82.5	639.288	639.288	638.300	640.276	638.300
85.0	573.086	573.086	572.098	573.086	573.086
87.5	516.766	517.754	516.766	515.778	514.790
90.0	472.302	472.302	471.314	469.338	470.326
92.5	436.731	436.731	435.743	433.767	432.779
95.0	405.113	406.101	404.125	403.137	403.137
97.5	378.435	378.435	378.435	377.447	377.447
100.0	355.709	354.721	355.709	355.709	354.721
102.5	334.959	334.959	335.947	335.947	335.947
105.0	318.162	318.162	318.162	318.162	318.162
107.5	302.352	303.341	303.341	302.352	303.341
110.0	289.507	289.507	289.507	289.507	289.507
112.5	277.650	277.650	277.650	278.639	278.639
115.0	267.770	267.770	268.758	268.758	269.746
117.5	260.853	260.853	260.853	261.841	261.841
120.0	255.913	255.913	256.901	256.901	257.889
122.5	253.937	252.948	253.937	254.925	254.925
125.0	252.948	252.948	253.937	253.937	254.925
127.5	253.937	253.937	253.937	254.925	255.913
130.0	254.925	254.925	255.913	255.913	256.901
132.5	255.913	256.901	256.901	257.889	257.889

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CANDELA TABULATION - (Cont.)

135.0	257.889	257.889	257.889	258.877	258.877
137.5	257.889	256.901	257.889	257.889	258.877
140.0	254.925	254.925	254.925	254.925	255.913
142.5	249.984	248.996	249.984	249.984	249.984
145.0	242.080	242.080	242.080	242.080	243.068
147.5	234.175	234.175	235.163	234.175	234.175
150.0	225.282	225.282	225.282	225.282	225.282
152.5	215.401	213.425	214.413	215.401	215.401
155.0	201.568	200.580	202.556	203.544	203.544
157.5	187.735	186.747	188.723	189.711	190.699
160.0	175.878	175.878	177.854	178.842	178.842
162.5	163.033	164.021	165.009	165.997	165.009
165.0	150.188	152.164	152.164	153.152	152.164
167.5	138.331	139.319	138.331	138.331	136.355
170.0	126.474	126.474	125.486	123.510	122.522
172.5	113.629	112.641	110.665	107.701	106.713
175.0	100.784	98.808	95.844	91.891	89.915
177.5	86.951	84.975	82.011	77.070	75.094
180.0	70.154	70.154	70.154	70.154	70.154

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1763.11	N.A.	12.70
0-30	3824.14	N.A.	27.50
0-40	6115.08	N.A.	43.90
0-60	9436.83	N.A.	67.80
0-80	11507.76	N.A.	82.70
0-90	12141.95	N.A.	87.20
10-90	11701.81	N.A.	84.10
20-40	4351.97	N.A.	31.30
20-50	6286.02	N.A.	45.20
40-70	4443.07	N.A.	31.90
60-80	2070.93	N.A.	14.90
70-80	949.62	N.A.	6.80
80-90	634.19	N.A.	4.60
90-110	783.55	N.A.	5.60
90-120	1051.98	N.A.	7.60
90-130	1280.38	N.A.	9.20
90-150	1631.68	N.A.	11.70
90-180	1779.48	N.A.	12.80
110-180	995.93	N.A.	7.20
0-180	13921.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	440.14
10-20	1322.97
20-30	2061.02
30-40	2290.94
40-50	1934.05
50-60	1387.71
60-70	1121.31
70-80	949.62
80-90	634.19
90-100	445.00
100-110	338.55
110-120	268.42
120-130	228.41
130-140	199.13
140-150	152.16
150-160	94.05
160-170	43.74
170-180	10.01

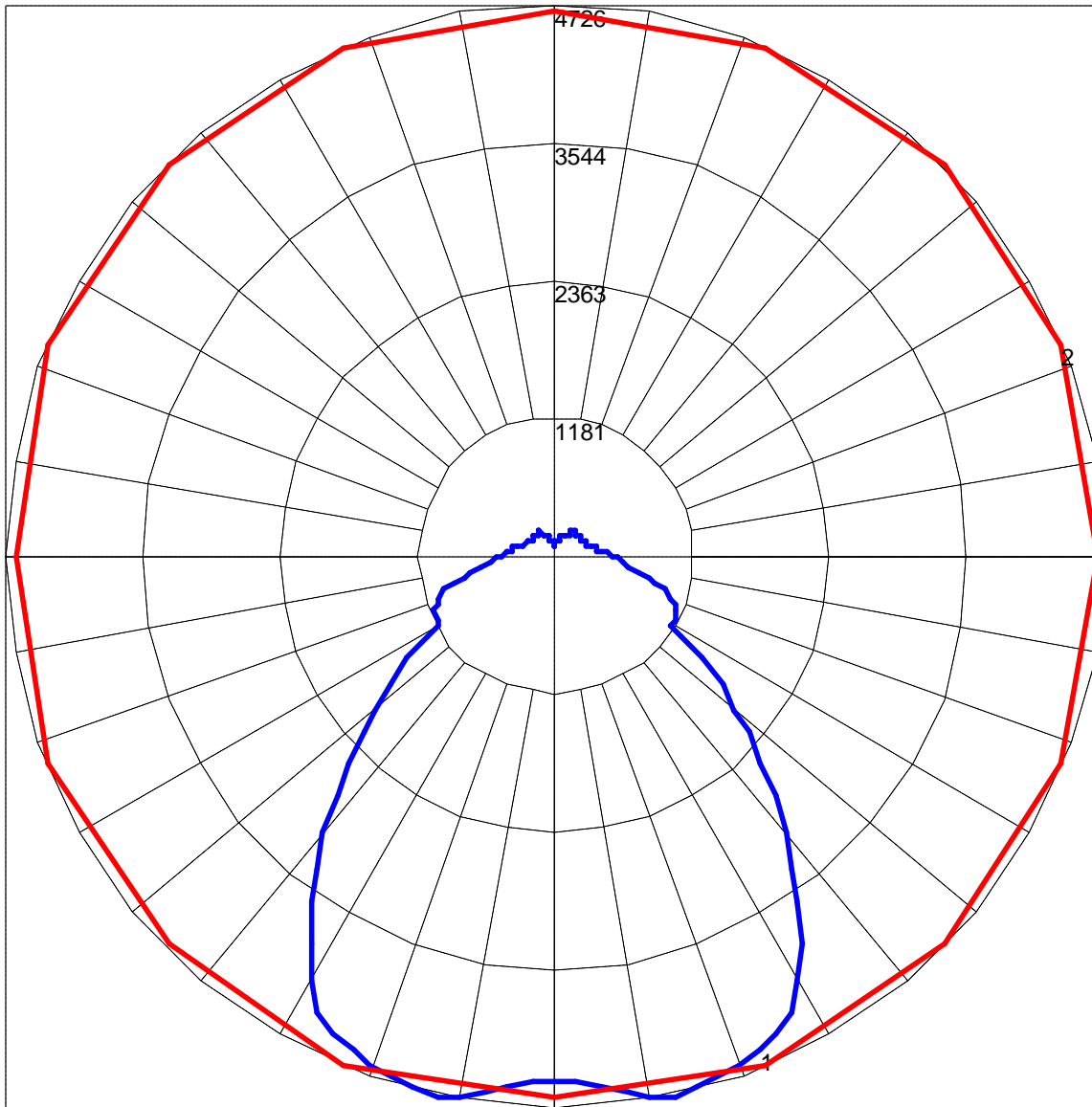
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4725.987 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.)