



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUM-S-LED-14L-40-ACSF16CPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7671
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]03/21/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]AUM-S-LED-14L-40-ACSF16CPA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13773
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	108
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.50
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	28736	28296	28332
55	22274	22093	22342
65	20645	20615	20676
75	25785	25785	25735
85	58844	58695	58844

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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	3211.449	3211.449	3211.449	3211.449	3211.449
2.5	3219.878	3197.963	3189.534	3194.591	3250.222
5.0	3294.053	3349.685	3265.395	3315.969	3331.141
7.5	3408.688	3410.373	3390.144	3408.688	3422.174
10.0	3464.319	3509.836	3486.234	3492.978	3568.839
12.5	3489.606	3563.781	3614.355	3644.700	3595.811
15.0	3604.240	3594.126	3619.413	3584.011	3531.751
17.5	3545.237	3698.645	3605.926	3681.787	3616.041
20.0	3666.615	3632.899	3619.413	3651.443	3782.935
22.5	3641.328	3668.301	3629.527	3678.416	3777.878
25.0	3734.047	3695.274	3781.249	3734.047	3718.875
27.5	3867.225	3826.766	3850.367	3843.624	3889.140
30.0	3735.733	3855.425	3769.449	3882.397	3939.714
32.5	3745.848	3734.047	3666.615	3732.361	3739.104
35.0	3516.579	3551.981	3541.866	3543.552	3551.981
37.5	3353.056	3342.941	3327.769	3332.827	3304.168
40.0	3177.733	3120.416	3162.561	3125.473	3130.531
42.5	2855.745	2813.600	2902.948	2914.748	2810.229
45.0	2638.277	2565.788	2597.818	2575.902	2601.189
47.5	2373.606	2306.174	2375.292	2409.008	2403.951
50.0	2100.507	2078.591	2046.561	2087.020	2146.023
52.5	1854.380	1861.123	1891.468	1818.978	1862.809
55.0	1658.827	1658.827	1645.341	1641.969	1663.885
57.5	1496.990	1483.504	1471.703	1464.960	1458.217
60.0	1345.268	1333.468	1333.468	1323.353	1319.981
62.5	1213.776	1228.948	1218.833	1217.148	1225.577
65.0	1132.858	1129.486	1131.172	1131.172	1134.543
67.5	1038.453	1045.196	1040.139	1043.510	1046.882
70.0	965.963	969.335	971.021	967.649	964.278
72.5	913.704	913.704	915.389	912.018	910.332
75.0	866.501	868.187	866.501	864.815	864.815
77.5	817.613	817.613	817.613	817.613	815.927
80.0	767.039	765.353	765.353	761.982	763.667
82.5	714.779	713.093	713.093	713.093	713.093
85.0	665.891	664.205	664.205	665.891	665.891
87.5	622.060	622.060	622.060	622.060	623.746
90.0	583.287	583.287	583.287	584.973	584.973
92.5	549.571	549.571	547.885	547.885	549.571
95.0	519.226	519.226	519.226	519.226	517.541
97.5	493.939	492.254	492.254	492.254	492.254
100.0	468.652	468.652	468.652	468.652	468.652
102.5	446.737	446.737	446.737	448.423	448.423
105.0	428.193	428.193	429.879	429.879	429.879
107.5	413.021	413.021	411.335	413.021	413.021
110.0	397.849	396.163	396.163	396.163	396.163
112.5	382.677	382.677	382.677	382.677	382.677
115.0	367.504	369.190	367.504	367.504	369.190
117.5	355.704	355.704	355.704	355.704	354.018
120.0	343.903	342.217	343.903	343.903	343.903
122.5	332.103	332.103	332.103	332.103	332.103
125.0	320.302	321.988	320.302	320.302	320.302
127.5	310.187	310.187	310.187	310.187	310.187
130.0	301.758	301.758	301.758	300.072	300.072
132.5	291.643	293.329	291.643	291.643	291.643

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135.0	281.529	283.214	283.214	283.214	283.214
137.5	273.100	273.100	273.100	273.100	273.100
140.0	264.671	264.671	264.671	264.671	264.671
142.5	256.242	256.242	256.242	256.242	256.242
145.0	247.813	247.813	247.813	247.813	246.127
147.5	237.698	239.384	237.698	239.384	239.384
150.0	229.269	230.955	229.269	230.955	229.269
152.5	220.840	220.840	219.154	220.840	220.840
155.0	209.039	209.039	209.039	210.725	209.039
157.5	197.239	197.239	198.924	198.924	198.924
160.0	187.124	187.124	188.810	188.810	187.124
162.5	177.009	175.323	178.695	177.009	177.009
165.0	165.208	163.523	166.894	163.523	163.523
167.5	153.408	153.408	153.408	151.722	150.036
170.0	141.607	141.607	139.921	136.550	136.550
172.5	128.121	128.121	126.435	123.063	121.378
175.0	112.949	112.949	112.949	112.949	112.949
177.5	99.462	99.462	101.148	102.834	102.834
180.0	91.033	91.033	91.033	91.033	91.033

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1344.53	N.A.	9.80
0-30	3083.91	N.A.	22.40
0-40	5286.81	N.A.	38.40
0-60	8791.06	N.A.	63.80
0-80	10831.84	N.A.	78.60
0-90	11561.21	N.A.	83.90
10-90	11239.35	N.A.	81.60
20-40	3942.27	N.A.	28.60
20-50	5952.28	N.A.	43.20
40-70	4629.82	N.A.	33.60
60-80	2040.78	N.A.	14.80
70-80	915.22	N.A.	6.60
80-90	729.37	N.A.	5.30
90-110	1024.91	N.A.	7.40
90-120	1391.58	N.A.	10.10
90-130	1680.23	N.A.	12.20
90-150	2055.51	N.A.	14.90
90-180	2211.86	N.A.	16.10
110-180	1186.96	N.A.	8.60
0-180	13773.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	321.85
10-20	1022.68
20-30	1739.38
30-40	2202.9
40-50	2010.01
50-60	1494.25
60-70	1125.56
70-80	915.22
80-90	729.37
90-100	569.27
100-110	455.63
110-120	366.67
120-130	288.65
130-140	219.38
140-150	155.90
150-160	97.46
160-170	47.32
170-180	11.58

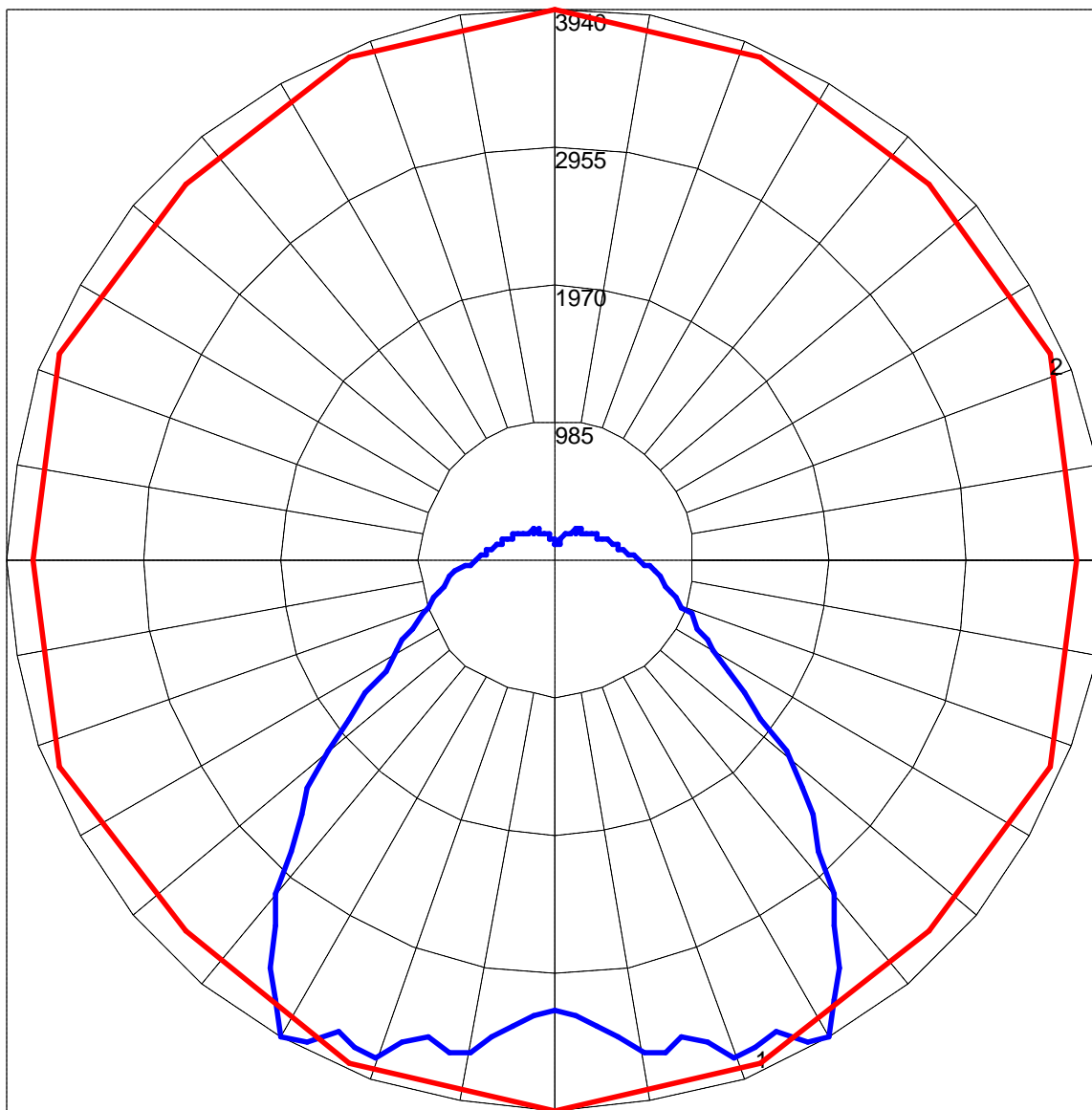
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84
1	104	99	94	90	99	95	91	87	88	84	81	81	78	76	75	73	71	68
2	94	86	79	73	90	83	76	71	76	71	67	71	67	63	66	62	59	56
3	86	76	67	61	82	73	65	59	67	61	56	63	57	53	58	54	50	47
4	79	67	58	52	75	65	57	50	60	53	48	56	50	46	52	47	43	41
5	73	60	51	44	69	58	50	43	54	47	42	50	44	40	47	42	38	35
6	67	54	45	39	64	52	44	38	49	42	36	46	39	35	43	37	33	31
7	62	49	40	34	59	47	39	34	44	37	32	42	35	31	39	34	30	27
8	58	44	36	30	55	43	35	30	40	34	29	38	32	28	36	30	27	24
9	54	41	33	27	52	40	32	27	37	30	26	35	29	25	33	28	24	22
10	50	38	30	25	48	36	29	24	34	28	23	32	27	22	31	25	22	20

POLAR GRAPH



Maximum Candela = 3939.714 Located At Horizontal Angle = 90, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)