



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUM-S-LED-14L-35-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-35-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	13839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	107.3
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	28874	28431	28468
55	22381	22199	22449
65	20744	20713	20775
75	25909	25909	25858
85	59126	58977	59126

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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	3226.841	3226.841	3226.841	3226.841	3226.841
2.5	3235.311	3213.290	3204.821	3209.903	3265.801
5.0	3309.841	3365.739	3281.045	3331.862	3347.107
7.5	3425.025	3426.719	3406.393	3425.025	3438.576
10.0	3480.923	3526.658	3502.944	3509.719	3585.944
12.5	3506.332	3580.862	3631.679	3662.168	3613.046
15.0	3621.515	3611.352	3636.760	3601.189	3548.679
17.5	3562.230	3716.373	3623.209	3699.434	3633.373
20.0	3684.189	3650.311	3636.760	3668.944	3801.067
22.5	3658.781	3685.883	3646.924	3696.046	3795.985
25.0	3751.944	3712.985	3799.373	3751.944	3736.699
27.5	3885.761	3845.108	3868.822	3862.046	3907.781
30.0	3753.638	3873.903	3787.516	3901.006	3958.597
32.5	3763.801	3751.944	3684.189	3750.250	3757.026
35.0	3533.434	3569.005	3558.842	3560.536	3569.005
37.5	3369.127	3358.964	3343.719	3348.801	3320.005
40.0	3192.964	3135.372	3177.719	3140.453	3145.535
42.5	2869.433	2827.086	2916.861	2928.718	2823.698
45.0	2650.922	2578.085	2610.269	2588.249	2613.657
47.5	2384.983	2317.228	2386.677	2420.554	2415.473
50.0	2110.574	2088.554	2056.370	2097.023	2156.309
52.5	1863.268	1870.043	1900.533	1827.696	1871.737
55.0	1666.778	1666.778	1653.227	1649.839	1671.860
57.5	1504.165	1490.614	1478.757	1471.982	1465.206
60.0	1351.716	1339.859	1339.859	1329.696	1326.308
62.5	1219.594	1234.838	1224.675	1222.981	1231.451
65.0	1138.287	1134.900	1136.593	1136.593	1139.981
67.5	1043.430	1050.206	1045.124	1048.512	1051.899
70.0	970.593	973.981	975.675	972.287	968.899
72.5	918.083	918.083	919.777	916.389	914.695
75.0	870.654	872.348	870.654	868.960	868.960
77.5	821.532	821.532	821.532	821.532	819.838
80.0	770.715	769.022	769.022	765.634	767.328
82.5	718.205	716.511	716.511	716.511	716.511
85.0	669.083	667.389	667.389	669.083	669.083
87.5	625.042	625.042	625.042	625.042	626.736
90.0	586.082	586.082	586.082	587.776	587.776
92.5	552.205	552.205	550.511	550.511	552.205
95.0	521.715	521.715	521.715	521.715	520.021
97.5	496.307	494.613	494.613	494.613	494.613
100.0	470.899	470.899	470.899	470.899	470.899
102.5	448.878	448.878	448.878	450.572	450.572
105.0	430.246	430.246	431.939	431.939	431.939
107.5	415.001	415.001	413.307	415.001	415.001
110.0	399.756	398.062	398.062	398.062	398.062
112.5	384.511	384.511	384.511	384.511	384.511
115.0	369.266	370.960	369.266	369.266	370.960
117.5	357.409	357.409	357.409	357.409	355.715
120.0	345.552	343.858	345.552	345.552	345.552
122.5	333.694	333.694	333.694	333.694	333.694
125.0	321.837	323.531	321.837	321.837	321.837
127.5	311.674	311.674	311.674	311.674	311.674
130.0	303.205	303.205	303.205	301.511	301.511
132.5	293.041	294.735	293.041	293.041	293.041

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CANDELA TABULATION - (Cont.)

135.0	282.878	284.572	284.572	284.572	284.572
137.5	274.409	274.409	274.409	274.409	274.409
140.0	265.939	265.939	265.939	265.939	265.939
142.5	257.470	257.470	257.470	257.470	257.470
145.0	249.000	249.000	249.000	249.000	247.306
147.5	238.837	240.531	238.837	240.531	240.531
150.0	230.368	232.062	230.368	232.062	230.368
152.5	221.898	221.898	220.204	221.898	221.898
155.0	210.041	210.041	210.041	211.735	210.041
157.5	198.184	198.184	199.878	199.878	199.878
160.0	188.021	188.021	189.715	189.715	188.021
162.5	177.857	176.164	179.551	177.857	177.857
165.0	166.000	164.306	167.694	164.306	164.306
167.5	154.143	154.143	154.143	152.449	150.755
170.0	142.286	142.286	140.592	137.204	137.204
172.5	128.735	128.735	127.041	123.653	121.959
175.0	113.490	113.490	113.490	113.490	113.490
177.5	99.939	99.939	101.633	103.327	103.327
180.0	91.470	91.470	91.470	91.470	91.470

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1350.98	N.A.	9.80
0-30	3098.69	N.A.	22.40
0-40	5312.14	N.A.	38.40
0-60	8833.2	N.A.	63.80
0-80	10883.76	N.A.	78.60
0-90	11616.62	N.A.	83.90
10-90	11293.22	N.A.	81.60
20-40	3961.17	N.A.	28.60
20-50	5980.81	N.A.	43.20
40-70	4652.01	N.A.	33.60
60-80	2050.56	N.A.	14.80
70-80	919.60	N.A.	6.60
80-90	732.86	N.A.	5.30
90-110	1029.82	N.A.	7.40
90-120	1398.25	N.A.	10.10
90-130	1688.28	N.A.	12.20
90-150	2065.36	N.A.	14.90
90-180	2222.47	N.A.	16.10
110-180	1192.65	N.A.	8.60
0-180	13839.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	323.40
10-20	1027.58
20-30	1747.71
30-40	2213.46
40-50	2019.64
50-60	1501.41
60-70	1130.96
70-80	919.60
80-90	732.86
90-100	572.00
100-110	457.82
110-120	368.43
120-130	290.04
130-140	220.43
140-150	156.65
150-160	97.93
160-170	47.55
170-180	11.63

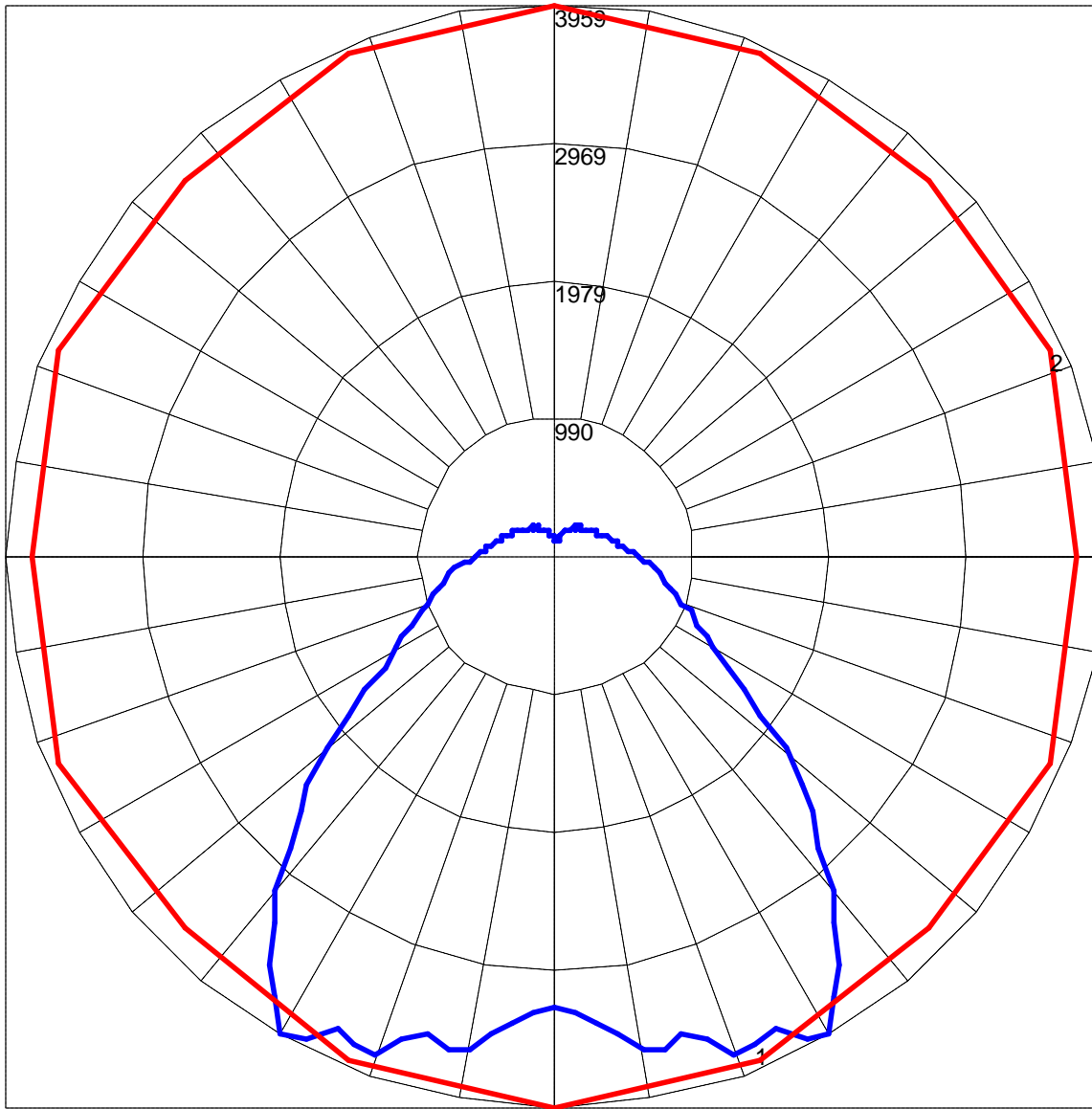
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3958.597 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.)