



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUM-S-LED-14L-30-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-30-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	13688
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
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	28559	28121	28158
55	22137	21957	22204
65	20518	20487	20549
75	25626	25626	25576
85	58481	58333	58481

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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	3191.637	3191.637	3191.637	3191.637	3191.637
2.5	3200.014	3178.234	3169.857	3174.883	3230.171
5.0	3273.732	3329.020	3245.250	3295.512	3310.590
7.5	3387.659	3389.334	3369.229	3387.659	3401.062
10.0	3442.947	3488.183	3464.727	3471.429	3546.822
12.5	3468.078	3541.796	3592.058	3622.215	3573.628
15.0	3582.005	3571.953	3597.084	3561.900	3509.963
17.5	3523.366	3675.828	3583.681	3659.074	3593.733
20.0	3643.995	3610.487	3597.084	3628.916	3759.598
22.5	3618.864	3645.670	3607.136	3655.723	3754.571
25.0	3711.011	3672.477	3757.922	3711.011	3695.932
27.5	3843.368	3803.158	3826.614	3819.912	3865.148
30.0	3712.686	3831.640	3746.194	3858.446	3915.410
32.5	3722.739	3711.011	3643.995	3709.336	3716.037
35.0	3494.884	3530.068	3520.015	3521.691	3530.068
37.5	3332.371	3322.318	3307.240	3312.266	3283.784
40.0	3158.129	3101.165	3143.050	3106.192	3111.218
42.5	2838.128	2796.243	2885.039	2896.767	2792.892
45.0	2622.001	2549.959	2581.791	2560.011	2585.142
47.5	2358.963	2291.947	2360.639	2394.147	2389.120
50.0	2087.548	2065.768	2033.936	2074.145	2132.784
52.5	1842.940	1849.642	1879.799	1807.757	1851.317
55.0	1648.594	1648.594	1635.190	1631.840	1653.620
57.5	1487.755	1474.352	1462.624	1455.923	1449.221
60.0	1336.969	1325.241	1325.241	1315.189	1311.838
62.5	1206.288	1221.367	1211.314	1209.639	1218.016
65.0	1125.869	1122.518	1124.193	1124.193	1127.544
67.5	1032.046	1038.748	1033.722	1037.073	1040.423
70.0	960.004	963.355	965.030	961.680	958.329
72.5	908.067	908.067	909.742	906.391	904.716
75.0	861.156	862.831	861.156	859.480	859.480
77.5	812.569	812.569	812.569	812.569	810.894
80.0	762.307	760.632	760.632	757.281	758.956
82.5	710.370	708.694	708.694	708.694	708.694
85.0	661.783	660.108	660.108	661.783	661.783
87.5	618.223	618.223	618.223	618.223	619.898
90.0	579.688	579.688	579.688	581.364	581.364
92.5	546.180	546.180	544.505	544.505	546.180
95.0	516.023	516.023	516.023	516.023	514.348
97.5	490.892	489.217	489.217	489.217	489.217
100.0	465.761	465.761	465.761	465.761	465.761
102.5	443.981	443.981	443.981	445.656	445.656
105.0	425.552	425.552	427.227	427.227	427.227
107.5	410.473	410.473	408.798	410.473	410.473
110.0	395.394	393.719	393.719	393.719	393.719
112.5	380.316	380.316	380.316	380.316	380.316
115.0	365.237	366.913	365.237	365.237	366.913
117.5	353.509	353.509	353.509	353.509	351.834
120.0	341.782	340.106	341.782	341.782	341.782
122.5	330.054	330.054	330.054	330.054	330.054
125.0	318.326	320.001	318.326	318.326	318.326
127.5	308.274	308.274	308.274	308.274	308.274
130.0	299.897	299.897	299.897	298.221	298.221
132.5	289.844	291.520	289.844	289.844	289.844

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135.0	279.792	281.467	281.467	281.467	281.467
137.5	271.415	271.415	271.415	271.415	271.415
140.0	263.038	263.038	263.038	263.038	263.038
142.5	254.661	254.661	254.661	254.661	254.661
145.0	246.284	246.284	246.284	246.284	244.608
147.5	236.231	237.907	236.231	237.907	237.907
150.0	227.854	229.530	227.854	229.530	227.854
152.5	219.477	219.477	217.802	219.477	219.477
155.0	207.750	207.750	207.750	209.425	207.750
157.5	196.022	196.022	197.697	197.697	197.697
160.0	185.969	185.969	187.645	187.645	185.969
162.5	175.917	174.242	177.592	175.917	175.917
165.0	164.189	162.514	165.865	162.514	162.514
167.5	152.461	152.461	152.461	150.786	149.111
170.0	140.734	140.734	139.058	135.707	135.707
172.5	127.330	127.330	125.655	122.304	120.629
175.0	112.252	112.252	112.252	112.252	112.252
177.5	98.849	98.849	100.524	102.199	102.199
180.0	90.472	90.472	90.472	90.472	90.472

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1336.24	N.A.	9.80
0-30	3064.88	N.A.	22.40
0-40	5254.19	N.A.	38.40
0-60	8736.83	N.A.	63.80
0-80	10765.02	N.A.	78.60
0-90	11489.88	N.A.	83.90
10-90	11170.02	N.A.	81.60
20-40	3917.95	N.A.	28.60
20-50	5915.56	N.A.	43.20
40-70	4601.26	N.A.	33.60
60-80	2028.19	N.A.	14.80
70-80	909.57	N.A.	6.60
80-90	724.87	N.A.	5.30
90-110	1018.58	N.A.	7.40
90-120	1382.99	N.A.	10.10
90-130	1669.86	N.A.	12.20
90-150	2042.83	N.A.	14.90
90-180	2198.22	N.A.	16.10
110-180	1179.64	N.A.	8.60
0-180	13688.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	319.87
10-20	1016.37
20-30	1728.65
30-40	2189.31
40-50	1997.61
50-60	1485.03
60-70	1118.62
70-80	909.57
80-90	724.87
90-100	565.76
100-110	452.82
110-120	364.41
120-130	286.87
130-140	218.03
140-150	154.94
150-160	96.86
160-170	47.03
170-180	11.51

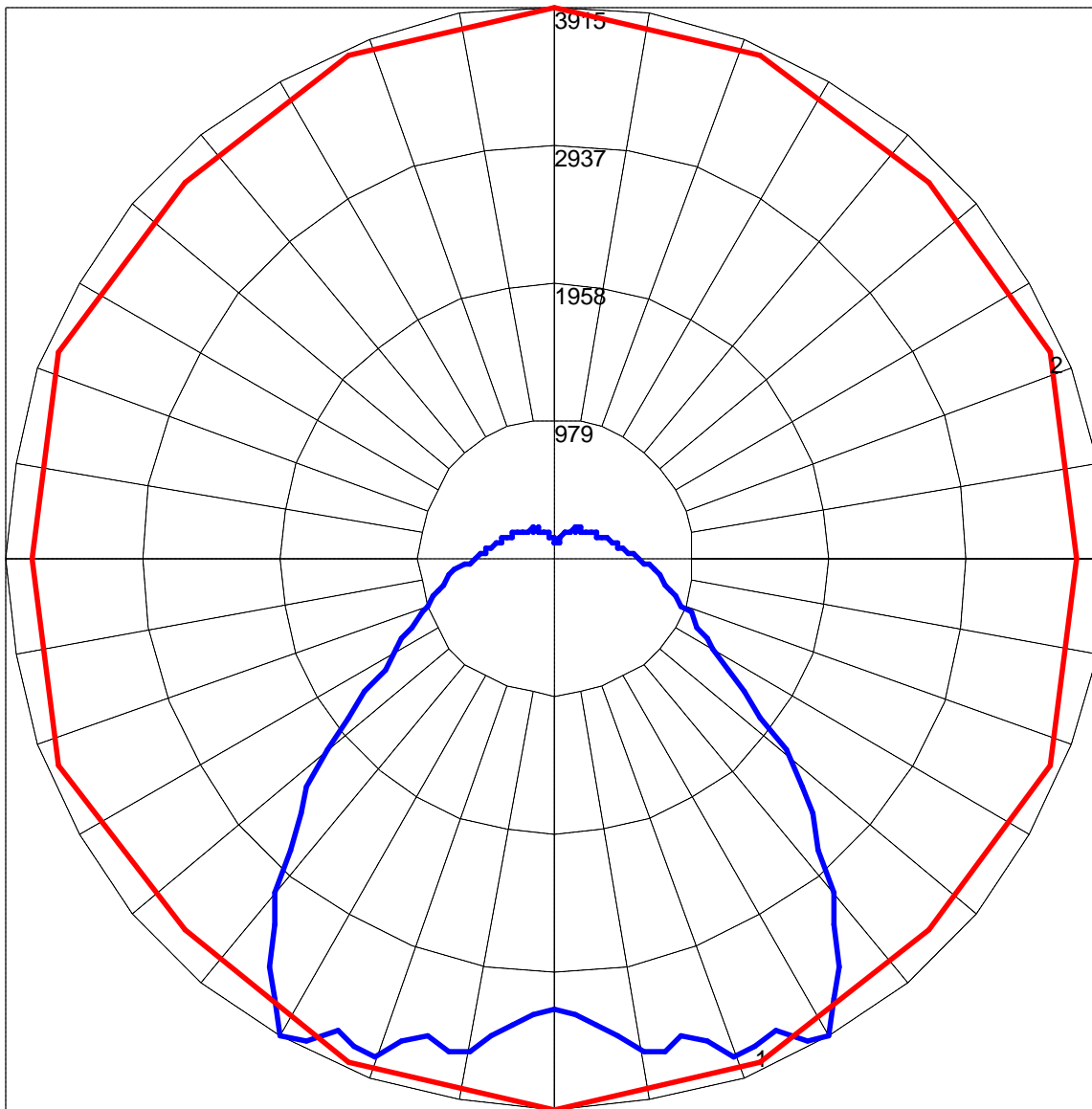
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3915.41 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.)