



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUM-S-LED-14L-30-ACS16CPA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-7913R Report: LSI-PH0243  
[TESTLAB]LSI INDUSTRIES, INC  
[TESTDATE]07/12/16  
[ISSUE DATE]01/16/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]AUM-S-LED-14L-30-ACS16CPA  
[\_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[\_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	Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.44
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	32687	32110	32055
55	32415	32294	31931
65	32257	32876	32658
75	25621	25145	25413
85	11311	11134	11311

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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	3787	3787	3787	3787	3787
2.5	3747	3749	3760	3787	3875
5.0	3846	3824	3845	3810	3852
7.5	3974	3941	3870	3915	3868
10.0	4007	3968	3975	3957	3879
12.5	3951	4006	4035	3980	4004
15.0	4011	4010	4108	4021	4019
17.5	4047	3987	4061	4013	3897
20.0	4045	4024	3949	3979	3989
22.5	4026	4050	4004	4007	4061
25.0	4054	4026	4022	4066	4031
27.5	3981	3922	3996	3973	3948
30.0	3858	3943	3918	3886	3779
32.5	3685	3741	3765	3706	3699
35.0	3545	3603	3593	3600	3565
37.5	3468	3383	3411	3389	3399
40.0	3278	3325	3292	3324	3272
42.5	3093	3141	3117	3109	3148
45.0	3001	2970	2948	2986	2943
47.5	2844	2855	2831	2775	2759
50.0	2618	2687	2683	2631	2707
52.5	2492	2515	2542	2527	2542
55.0	2414	2395	2405	2400	2378
57.5	2340	2326	2330	2307	2308
60.0	2189	2206	2203	2194	2194
62.5	2037	2040	2048	2038	2017
65.0	1770	1786	1804	1806	1792
67.5	1549	1542	1546	1550	1566
70.0	1317	1301	1292	1291	1310
72.5	1079	1066	1056	1057	1063
75.0	861	858	845	853	854
77.5	650	648	631	635	640
80.0	400	388	394	396	396
82.5	198	200	208	211	211
85.0	128	129	126	131	128
87.5	90	90	89	88	88
90.0	76	76	75	72	72
92.5	76	76	74	73	72
95.0	79	80	78	76	75
97.5	85	85	83	80	80
100.0	96	96	94	91	91
102.5	108	107	105	102	102
105.0	116	115	113	110	110
107.5	124	123	120	117	118
110.0	129	129	126	124	124
112.5	133	131	129	128	129
115.0	136	135	133	132	133
117.5	140	139	136	136	137
120.0	142	140	138	138	139
122.5	145	143	141	140	141
125.0	148	147	145	144	144
127.5	154	153	152	151	151
130.0	160	159	159	157	157
132.5	161	160	160	159	159

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	157	156	156	156	156
<b>137.5</b>	150	149	149	149	149
<b>140.0</b>	145	144	143	144	144
<b>142.5</b>	145	145	143	143	144
<b>145.0</b>	150	150	148	148	149
<b>147.5</b>	158	157	156	156	157
<b>150.0</b>	161	162	161	161	161
<b>152.5</b>	159	159	159	159	159
<b>155.0</b>	150	150	150	150	150
<b>157.5</b>	139	138	138	139	139
<b>160.0</b>	129	129	129	129	129
<b>162.5</b>	122	122	122	121	121
<b>165.0</b>	115	115	115	114	113
<b>167.5</b>	107	108	107	106	104
<b>170.0</b>	98	98	95	93	92
<b>172.5</b>	88	88	85	82	81
<b>175.0</b>	77	77	75	75	74
<b>177.5</b>	66	66	67	68	69
<b>180.0</b>	60	60	60	60	60

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1506.39	N.A.	11.00
0-30	3353.01	N.A.	24.50
0-40	5593.79	N.A.	40.90
0-60	10056.41	N.A.	73.50
0-80	12716.4	N.A.	92.90
0-90	12895.35	N.A.	94.20
10-90	12524.82	N.A.	91.50
20-40	4087.4	N.A.	29.90
20-50	6383.08	N.A.	46.60
40-70	6226.18	N.A.	45.50
60-80	2659.99	N.A.	19.40
70-80	896.43	N.A.	6.50
80-90	178.94	N.A.	1.30
90-110	205.16	N.A.	1.50
90-120	337.47	N.A.	2.50
90-130	469.21	N.A.	3.40
90-150	682.96	N.A.	5.00
90-180	792.53	N.A.	5.80
110-180	587.37	N.A.	4.30
0-180	13687.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	370.53
10-20	1135.86
20-30	1846.61
30-40	2240.79
40-50	2295.68
50-60	2166.93
60-70	1763.56
70-80	896.43
80-90	178.94
90-100	86.87
100-110	118.30
110-120	132.30
120-130	131.74
130-140	119.47
140-150	94.28
150-160	69.06
160-170	32.70
170-180	7.81

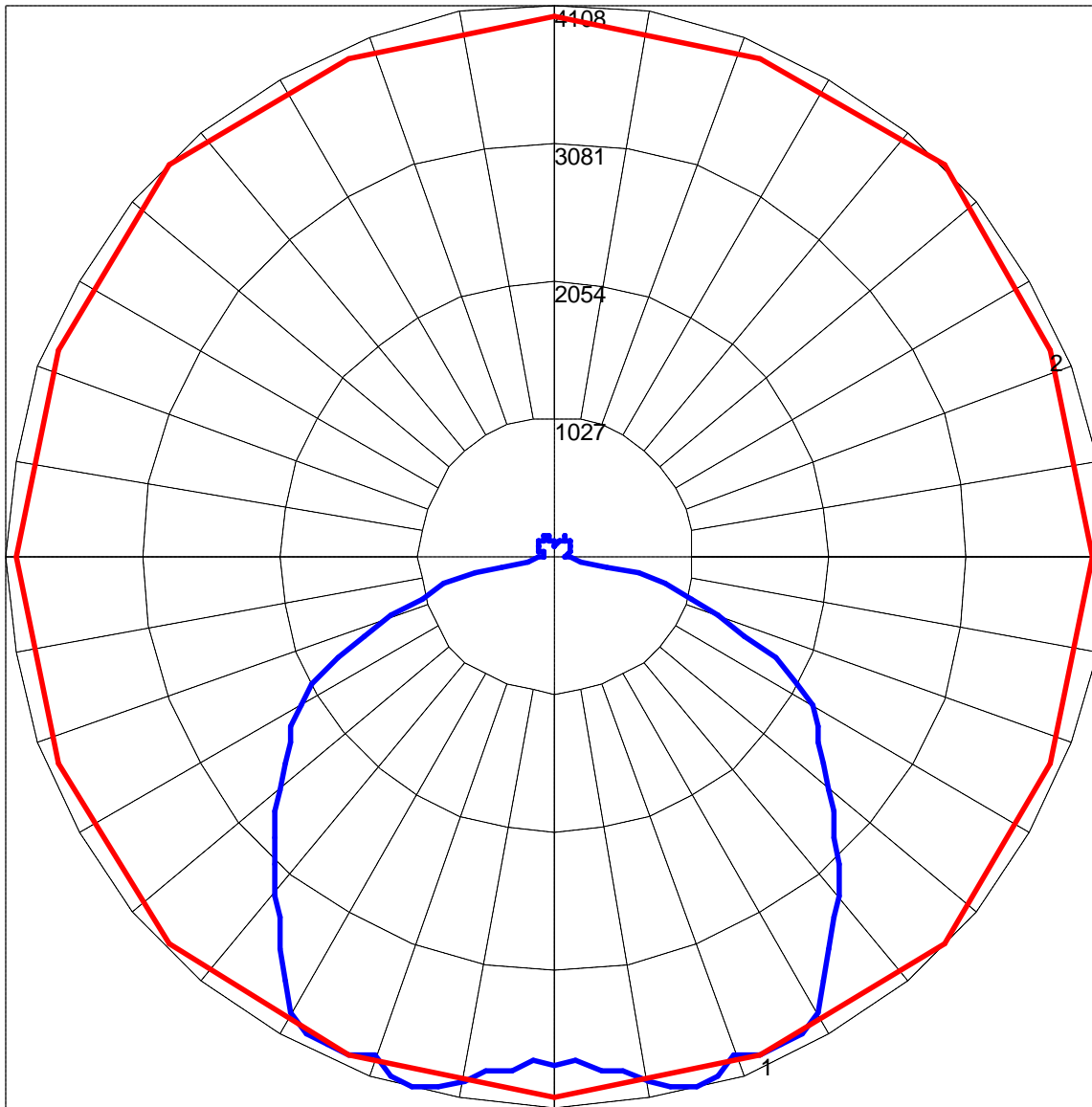
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	94
1	107	103	98	95	104	100	96	92	95	91	89	90	87	85	85	83	81	79
2	97	89	82	77	94	87	81	75	82	77	73	78	74	70	74	71	68	65
3	89	78	70	63	86	76	68	62	72	66	60	69	63	59	65	61	57	55
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	58	53	49	46
5	74	61	52	46	72	60	51	45	57	50	44	54	48	43	52	46	42	40
6	68	55	46	40	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	32	30
8	59	45	37	31	57	44	36	31	42	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

POLAR GRAPH



Maximum Candela = 4108 Located At Horizontal Angle = 45, Vertical Angle = 15  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)