



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AUM-S-LED-14L-35-ACS16.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-7860  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]01/16/17  
[TEST DATE]06/08/16  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]AUM-S-LED-14L-35-ACS16  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14456
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	107.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.38
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	34321	34060	33983
55	29192	29595	29232
65	28011	28284	28211
75	24937	24401	24610
85	10162	10162	10604

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	4762	4762	4762	4762	4762
<b>2.5</b>	4774	4776	4780	4776	4775
<b>5.0</b>	4887	4899	4904	4906	4937
<b>7.5</b>	5032	5066	5093	5054	5045
<b>10.0</b>	5175	5219	5260	5245	5158
<b>12.5</b>	5310	5374	5365	5325	5278
<b>15.0</b>	5398	5415	5454	5410	5373
<b>17.5</b>	5425	5446	5485	5463	5405
<b>20.0</b>	5451	5451	5490	5480	5427
<b>22.5</b>	5413	5436	5466	5427	5433
<b>25.0</b>	5309	5345	5375	5364	5345
<b>27.5</b>	5154	5211	5241	5204	5184
<b>30.0</b>	4918	4948	4931	4930	4882
<b>32.5</b>	4696	4635	4584	4617	4633
<b>35.0</b>	4423	4355	4289	4329	4417
<b>37.5</b>	4179	4117	4057	4106	4171
<b>40.0</b>	3893	3872	3821	3893	3919
<b>42.5</b>	3564	3548	3515	3556	3581
<b>45.0</b>	3151	3152	3127	3112	3120
<b>47.5</b>	2789	2795	2815	2789	2777
<b>50.0</b>	2557	2566	2600	2567	2555
<b>52.5</b>	2358	2396	2412	2385	2353
<b>55.0</b>	2174	2201	2204	2200	2177
<b>57.5</b>	2017	2012	2009	2012	2031
<b>60.0</b>	1852	1840	1818	1839	1857
<b>62.5</b>	1683	1701	1705	1699	1696
<b>65.0</b>	1537	1551	1552	1547	1548
<b>67.5</b>	1380	1383	1382	1381	1382
<b>70.0</b>	1209	1207	1199	1204	1206
<b>72.5</b>	1020	1012	1003	1002	1002
<b>75.0</b>	838	831	820	822	827
<b>77.5</b>	628	630	624	629	631
<b>80.0</b>	395	387	394	398	394
<b>82.5</b>	195	199	201	199	197
<b>85.0</b>	115	116	115	118	120
<b>87.5</b>	77	78	77	77	76
<b>90.0</b>	62	62	61	60	59
<b>92.5</b>	57	58	58	57	57
<b>95.0</b>	58	57	58	57	58
<b>97.5</b>	59	59	58	58	60
<b>100.0</b>	61	61	60	61	60
<b>102.5</b>	65	64	63	64	63
<b>105.0</b>	69	67	66	66	67
<b>107.5</b>	69	69	70	68	70
<b>110.0</b>	66	65	65	65	64
<b>112.5</b>	56	56	56	56	55
<b>115.0</b>	48	47	46	48	48
<b>117.5</b>	44	43	43	43	44
<b>120.0</b>	43	42	41	42	43
<b>122.5</b>	42	41	41	41	42
<b>125.0</b>	42	41	40	41	42
<b>127.5</b>	42	42	41	42	42
<b>130.0</b>	43	42	42	43	43
<b>132.5</b>	43	42	42	43	43

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CANDELA TABULATION - (Cont.)

135.0	42	42	41	42	43
137.5	42	41	41	42	42
140.0	42	41	41	42	42
142.5	42	41	41	42	42
145.0	41	41	40	41	41
147.5	40	40	39	39	40
150.0	39	38	38	38	38
152.5	36	36	36	36	37
155.0	34	35	34	34	35
157.5	33	33	33	33	33
160.0	32	32	32	32	32
162.5	31	32	32	31	31
165.0	30	31	31	31	30
167.5	30	30	31	30	29
170.0	31	31	31	30	29
172.5	31	31	30	30	29
175.0	31	30	30	30	30
177.5	29	29	29	30	30
180.0	27	27	27	27	27

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2009.23	N.A.	13.90
0-30	4454.75	N.A.	30.80
0-40	7188.36	N.A.	49.70
0-60	11599.91	N.A.	80.20
0-80	13981.23	N.A.	96.70
0-90	14149.82	N.A.	97.90
10-90	13671.3	N.A.	94.60
20-40	5179.14	N.A.	35.80
20-50	7622.92	N.A.	52.70
40-70	5933.61	N.A.	41.00
60-80	2381.31	N.A.	16.50
70-80	859.25	N.A.	5.90
80-90	168.60	N.A.	1.20
90-110	133.31	N.A.	0.90
90-120	183.06	N.A.	1.30
90-130	220.34	N.A.	1.50
90-150	278.28	N.A.	1.90
90-180	306.05	N.A.	2.10
110-180	172.74	N.A.	1.20
0-180	14455.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	478.52
10-20	1530.7
20-30	2445.53
30-40	2733.61
40-50	2443.78
50-60	1967.77
60-70	1522.06
70-80	859.25
80-90	168.60
90-100	63.93
100-110	69.38
110-120	49.75
120-130	37.28
130-140	32.52
140-150	25.42
150-160	16.12
160-170	8.79
170-180	2.87

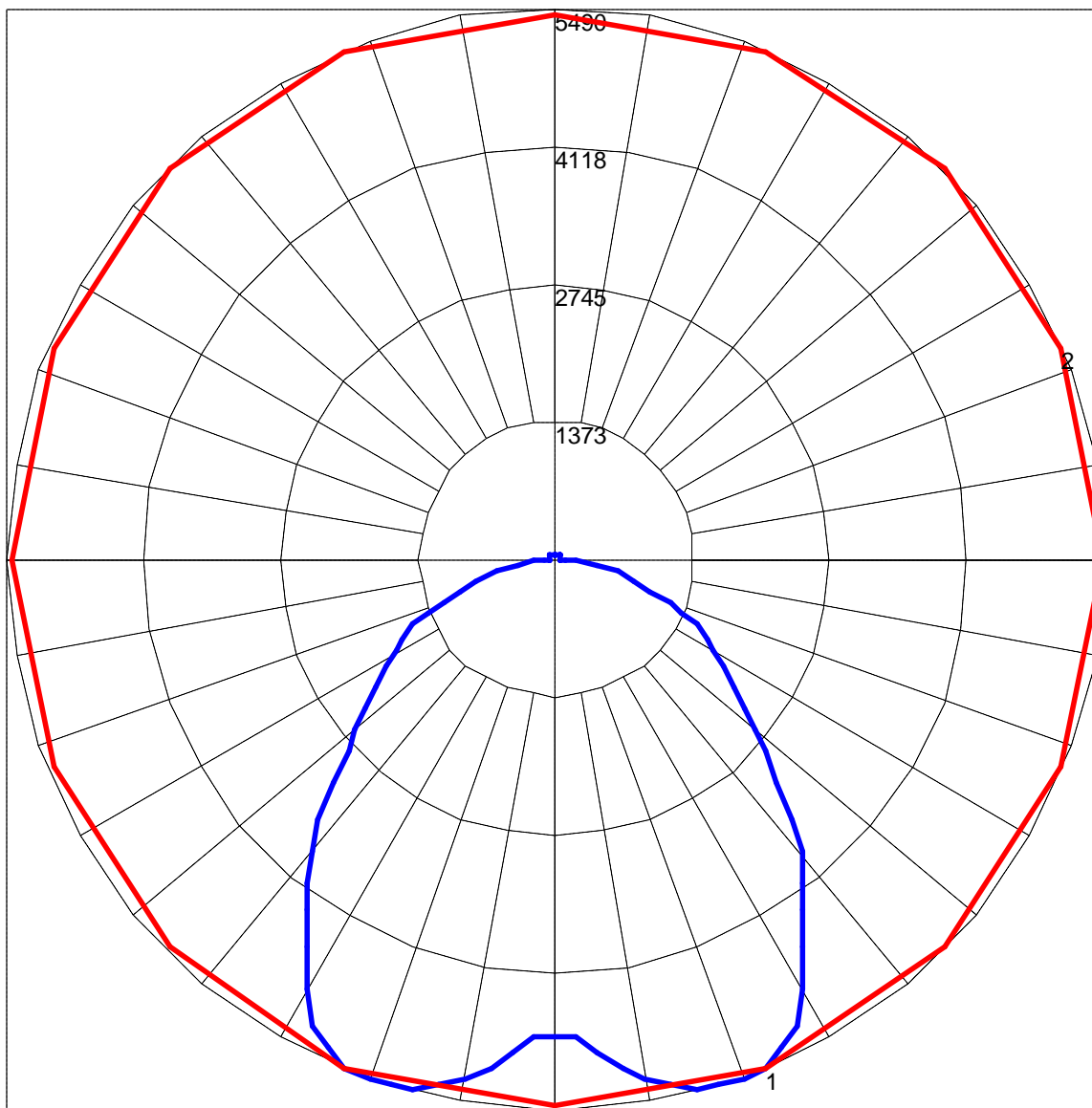
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	104	100	97	106	102	98	95	97	94	92	93	91	89	89	87	86	83
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	70
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	70	66	62	60
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	57	52	47	45
6	72	59	50	44	69	58	49	44	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	37	35
8	62	49	41	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 5490 Located At Horizontal Angle = 45, Vertical Angle = 20  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)