



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16FA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7863
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]06/09/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]AUM-S-LED-8L-30-ACS16FA
[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	8665
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	74
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.36
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	18843	18900	18868
55	16745	16847	16588
65	17688	17858	17656
75	15586	15326	15257
85	6340	6340	6443

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16FA.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2814.861	2814.861	2814.861	2814.861	2814.861
2.5	2825.943	2824.193	2821.860	2819.527	2822.444
5.0	2899.435	2899.435	2894.769	2911.101	2915.767
7.5	2975.844	2985.759	3010.840	2977.593	2986.342
10.0	3054.002	3080.249	3102.996	3077.916	3049.919
12.5	3128.660	3163.073	3139.159	3126.911	3098.914
15.0	3154.908	3179.405	3187.571	3171.822	3145.575
17.5	3176.488	3193.987	3220.817	3202.736	3171.822
20.0	3185.821	3191.070	3203.902	3187.571	3150.241
22.5	3141.492	3158.990	3157.824	3168.906	3167.156
25.0	3084.332	3099.497	3108.829	3116.995	3102.413
27.5	2981.093	2982.843	2995.675	2984.009	2965.345
30.0	2821.277	2796.196	2811.945	2797.363	2783.365
32.5	2640.463	2610.717	2580.387	2596.135	2614.216
35.0	2475.981	2435.736	2391.407	2432.819	2477.148
37.5	2337.746	2302.167	2270.670	2306.250	2327.831
40.0	2184.929	2159.266	2137.101	2165.098	2174.431
42.5	1967.370	1981.952	1951.038	1951.621	1975.536
45.0	1729.979	1749.810	1735.228	1715.397	1732.312
47.5	1550.332	1558.497	1580.662	1547.415	1546.249
50.0	1444.177	1460.508	1468.091	1454.675	1438.344
52.5	1339.771	1360.769	1367.185	1357.853	1331.605
55.0	1247.031	1262.196	1254.614	1256.947	1235.366
57.5	1183.455	1170.040	1170.623	1172.373	1175.872
60.0	1112.296	1106.463	1097.714	1108.796	1111.129
62.5	1054.552	1073.217	1076.133	1071.467	1058.052
65.0	970.561	976.394	979.894	976.977	968.811
67.5	869.656	875.488	874.322	874.322	863.240
70.0	753.002	755.918	756.501	750.669	752.418
72.5	636.931	633.431	629.348	628.765	630.515
75.0	523.776	516.777	515.027	512.694	512.694
77.5	390.208	393.707	387.875	389.624	390.791
80.0	240.307	237.974	238.557	239.724	243.224
82.5	117.237	118.404	117.821	121.903	120.154
85.0	71.742	72.325	71.742	72.909	72.909
87.5	46.662	47.245	47.245	47.245	46.662
90.0	34.413	34.996	34.413	33.830	33.830
92.5	33.246	33.246	33.246	33.246	32.663
95.0	32.663	32.663	32.663	32.080	32.663
97.5	32.663	32.663	32.080	32.080	32.663
100.0	33.246	33.246	33.246	33.246	33.246
102.5	35.579	36.163	36.163	35.579	35.579
105.0	38.496	38.496	38.496	38.496	38.496
107.5	40.829	41.412	41.412	40.829	40.829
110.0	41.995	41.995	41.995	41.412	41.412
112.5	40.829	40.246	40.246	40.246	40.246
115.0	40.246	39.662	39.662	39.662	39.662
117.5	41.412	40.829	40.246	40.829	40.829
120.0	46.078	44.912	43.745	43.745	43.745
122.5	58.327	57.160	55.994	55.994	56.577
125.0	74.659	73.492	72.909	72.909	72.909
127.5	91.573	91.573	90.990	90.990	89.824
130.0	107.905	107.322	106.738	106.738	106.738
132.5	125.403	123.653	122.487	122.487	123.070

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16FA.IES

CANDELA TABULATION - (Cont.)

135.0	142.318	141.151	139.402	138.818	139.402
137.5	154.567	153.983	153.983	152.233	151.650
140.0	158.066	158.649	158.649	157.483	156.316
142.5	156.316	155.733	155.150	154.567	154.567
145.0	151.067	148.734	147.567	147.567	149.900
147.5	144.068	141.151	139.402	139.985	142.318
150.0	136.485	134.152	132.402	133.569	134.735
152.5	125.403	124.820	123.070	123.653	124.820
155.0	110.821	111.405	111.405	110.821	111.988
157.5	93.906	94.490	94.490	94.490	94.490
160.0	80.491	81.075	80.491	79.908	79.325
162.5	68.243	69.409	68.826	67.659	67.076
165.0	59.494	60.077	58.910	58.327	57.744
167.5	53.661	53.661	53.078	52.494	51.911
170.0	50.744	50.744	49.578	48.411	47.245
172.5	48.411	48.995	47.245	46.078	44.912
175.0	45.495	45.495	45.495	44.912	44.912
177.5	41.995	41.412	43.162	44.329	44.912
180.0	39.662	39.662	39.662	39.662	39.662

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16FA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1179.95	N.A.	13.60
0-30	2591.69	N.A.	29.90
0-40	4126.55	N.A.	47.60
0-60	6618.91	N.A.	76.40
0-80	8107.47	N.A.	93.60
0-90	8209.66	N.A.	94.70
10-90	7927.05	N.A.	91.50
20-40	2946.59	N.A.	34.00
20-50	4306.33	N.A.	49.70
40-70	3444.87	N.A.	39.80
60-80	1488.57	N.A.	17.20
70-80	536.05	N.A.	6.20
80-90	102.19	N.A.	1.20
90-110	76.40	N.A.	0.90
90-120	117.05	N.A.	1.40
90-130	183.03	N.A.	2.10
90-150	381.85	N.A.	4.40
90-180	455.44	N.A.	5.30
110-180	379.04	N.A.	4.40
0-180	8665.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	282.61
10-20	897.34
20-30	1411.73
30-40	1534.86
40-50	1359.74
50-60	1132.63
60-70	952.51
70-80	536.05
80-90	102.19
90-100	35.97
100-110	40.43
110-120	40.65
120-130	65.98
130-140	105.74
140-150	93.09
150-160	51.32
160-170	17.83
170-180	4.44

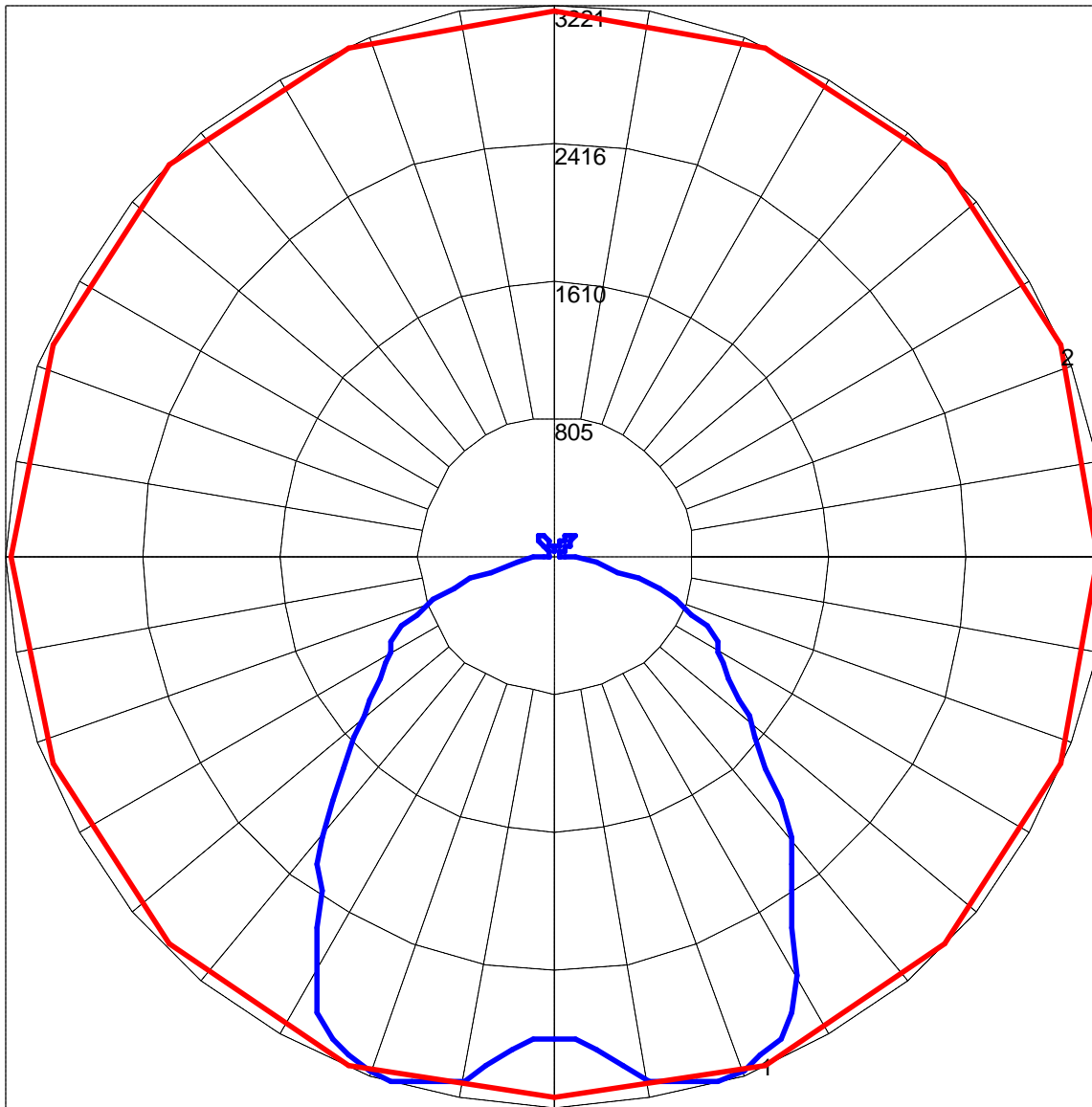
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16FA.IES

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	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	80
2	99	91	84	79	96	88	82	77	84	79	75	80	76	72	76	73	70	68
3	90	80	72	66	87	78	71	65	74	68	63	71	66	62	68	64	60	58
4	83	71	63	56	80	70	62	56	67	60	54	64	58	53	61	56	52	50
5	76	64	55	49	74	63	55	48	60	53	47	57	51	46	55	50	46	43
6	71	58	49	43	69	57	49	43	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	38	33	42	37	32	31
9	57	44	36	31	56	43	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	36	31	27	25

POLAR GRAPH



Maximum Candela = 3220.817 Located At Horizontal Angle = 45, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)