



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7870
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]01/16/17
[TEST DATE]06/14/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-8L-30-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	8998
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	74.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	1.48
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	20739	20346	20303
55	17953	18074	18074
65	17568	17586	17586
75	15028	15057	15355
85	5744	5391	5567

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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	2903	2903	2903	2903	2903
2.5	2912	2913	2909	2913	2913
5.0	2928	2927	2925	2925	2925
7.5	2963	2962	2959	2957	2959
10.0	3073	3059	3062	3055	3058
12.5	3297	3216	3206	3218	3257
15.0	3347	3342	3337	3332	3327
17.5	3380	3407	3421	3422	3414
20.0	3460	3420	3414	3473	3438
22.5	3419	3434	3439	3495	3400
25.0	3396	3423	3411	3426	3416
27.5	3340	3338	3349	3367	3337
30.0	3158	3166	3193	3214	3208
32.5	3010	2995	2975	3001	2999
35.0	2797	2791	2789	2811	2822
37.5	2651	2645	2645	2656	2683
40.0	2482	2488	2449	2474	2500
42.5	2250	2226	2219	2214	2225
45.0	1904	1895	1868	1872	1864
47.5	1714	1699	1705	1698	1687
50.0	1580	1583	1590	1578	1579
52.5	1465	1462	1460	1461	1462
55.0	1337	1338	1346	1338	1346
57.5	1234	1228	1230	1223	1226
60.0	1132	1129	1134	1137	1135
62.5	1052	1058	1061	1058	1053
65.0	964	965	965	962	965
67.5	866	856	861	864	857
70.0	734	741	747	748	747
72.5	623	622	622	627	627
75.0	505	507	506	506	516
77.5	376	376	373	375	377
80.0	218	218	215	212	210
82.5	107	106	104	105	104
85.0	65	64	61	62	63
87.5	43	42	42	42	42
90.0	34	34	35	34	34
92.5	34	34	35	34	34
95.0	34	35	35	35	35
97.5	36	36	36	35	36
100.0	37	37	37	37	37
102.5	38	38	39	38	40
105.0	40	40	41	40	41
107.5	40	41	42	42	42
110.0	36	37	38	38	38
112.5	31	31	31	30	30
115.0	26	25	25	25	25
117.5	24	23	23	23	24
120.0	23	23	23	23	23
122.5	23	23	23	23	24
125.0	23	23	23	23	24
127.5	24	24	24	24	24
130.0	25	24	24	24	24
132.5	25	25	24	24	25

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CANDELA TABULATION - (Cont.)

135.0	24	24	24	24	24
137.5	24	24	24	24	24
140.0	24	24	24	24	24
142.5	24	24	24	24	24
145.0	23	23	23	23	23
147.5	22	22	22	22	22
150.0	21	21	21	21	21
152.5	20	20	20	20	20
155.0	19	19	19	19	19
157.5	18	18	18	18	18
160.0	17	17	17	17	17
162.5	17	17	17	17	17
165.0	16	17	16	16	17
167.5	16	16	16	16	16
170.0	16	16	16	16	16
172.5	16	16	15	15	15
175.0	15	15	15	15	15
177.5	14	14	14	14	13
180.0	12	12	12	12	12

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1225.87	N.A.	13.60
0-30	2787.63	N.A.	31.00
0-40	4550.5	N.A.	50.60
0-60	7261.66	N.A.	80.70
0-80	8730.61	N.A.	97.00
0-90	8821.63	N.A.	98.00
10-90	8538.56	N.A.	94.90
20-40	3324.63	N.A.	36.90
20-50	4831.18	N.A.	53.70
40-70	3656.87	N.A.	40.60
60-80	1468.95	N.A.	16.30
70-80	523.25	N.A.	5.80
80-90	91.02	N.A.	1.00
90-110	80.00	N.A.	0.90
90-120	107.20	N.A.	1.20
90-130	128.23	N.A.	1.40
90-150	161.34	N.A.	1.80
90-180	176.32	N.A.	2.00
110-180	96.32	N.A.	1.10
0-180	8997.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	283.07
10-20	942.79
20-30	1561.77
30-40	1762.86
40-50	1506.55
50-60	1204.61
60-70	945.70
70-80	523.25
80-90	91.02
90-100	38.32
100-110	41.68
110-120	27.20
120-130	21.03
130-140	18.70
140-150	14.41
150-160	8.85
160-170	4.69
170-180	1.44

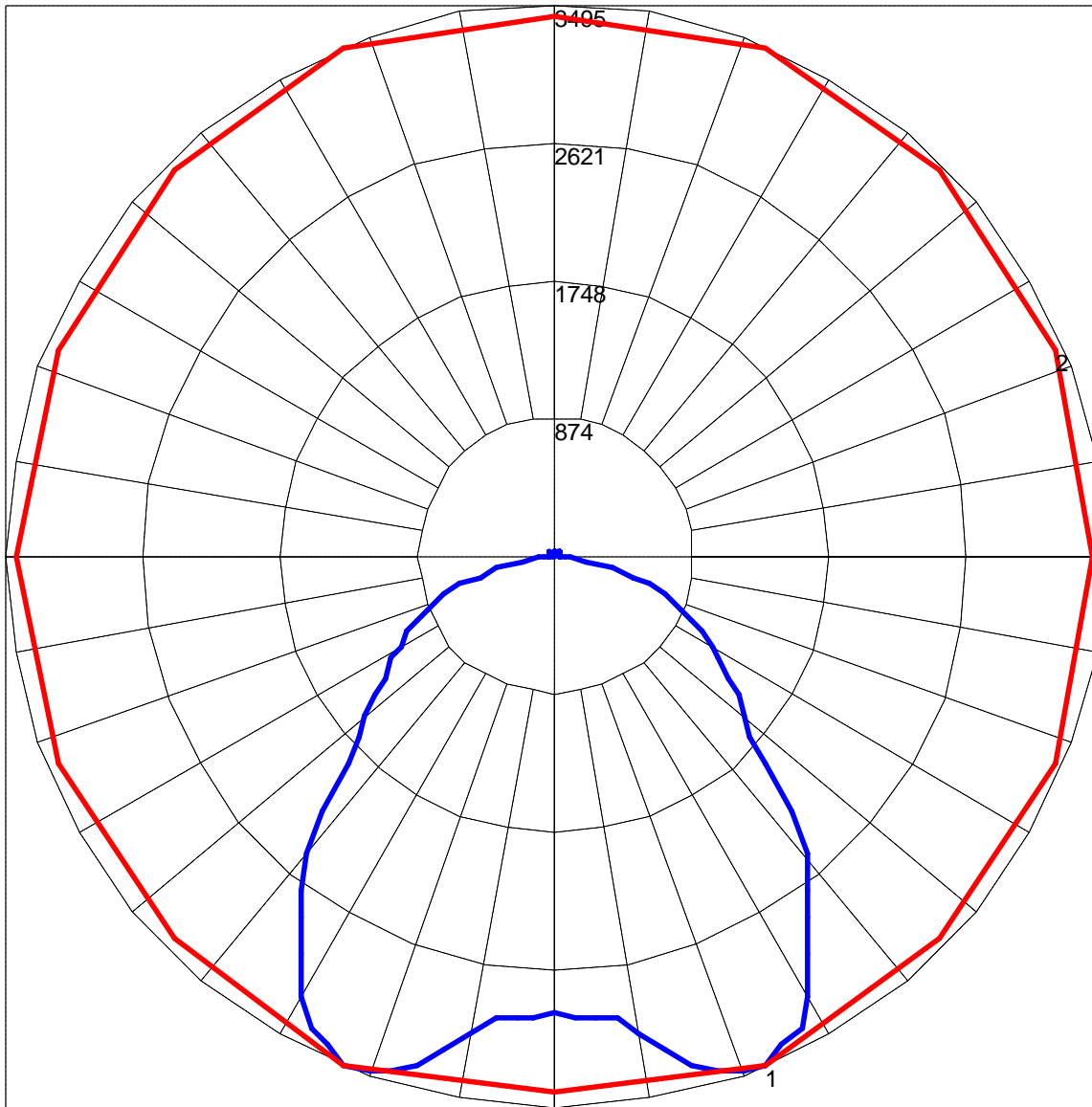
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	106	102	99	95	98	95	92	93	91	89	90	88	86	84
2	100	92	86	80	97	90	84	79	86	81	77	83	78	75	79	76	73	71
3	91	81	74	67	89	80	72	67	76	70	65	73	68	64	71	66	63	60
4	84	72	64	58	82	71	63	57	68	62	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	50	62	54	49	59	53	48	57	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	52	47	42	40
7	67	53	45	39	65	53	45	39	51	44	38	49	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	35	45	39	34	44	38	34	32
9	58	45	37	32	57	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 3495 Located At Horizontal Angle = 67.5, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)