



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUM-S-LED-8L-30-ACS16CPA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7917R Report: LSI-PH0239
[TESTLAB]LSI INDUSTRIES, INC
[TESTDATE]07/13/16
[ISSUE DATE]01/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]AUM-S-LED-8L-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	8586
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	74
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.60
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.58
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	21142	20532	19845
55	20182	20155	20639
65	20484	20575	20356
75	16010	16129	16307
85	6628	6716	6539

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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	2094	2094	2094	2094	2094
2.5	2150	2097	2068	2109	2068
5.0	2105	2144	2105	2152	2097
7.5	2289	2195	2211	2230	2246
10.0	2324	2302	2256	2306	2314
12.5	2430	2405	2386	2402	2364
15.0	2438	2448	2448	2387	2455
17.5	2436	2470	2445	2489	2411
20.0	2416	2527	2494	2495	2468
22.5	2434	2525	2516	2489	2555
25.0	2564	2521	2515	2519	2497
27.5	2539	2563	2530	2558	2554
30.0	2544	2545	2536	2474	2474
32.5	2417	2454	2478	2419	2387
35.0	2260	2277	2339	2343	2322
37.5	2210	2238	2223	2243	2234
40.0	2144	2122	2136	2131	2096
42.5	2040	2002	2018	1982	2015
45.0	1941	1872	1885	1848	1822
47.5	1752	1764	1743	1726	1764
50.0	1630	1644	1623	1668	1664
52.5	1570	1579	1596	1591	1554
55.0	1503	1501	1501	1514	1537
57.5	1454	1458	1461	1467	1469
60.0	1394	1396	1411	1402	1387
62.5	1275	1281	1284	1276	1272
65.0	1124	1136	1129	1130	1117
67.5	981	975	973	969	962
70.0	832	821	819	813	810
72.5	672	670	676	672	671
75.0	538	542	542	550	548
77.5	402	403	402	407	407
80.0	236	240	240	238	236
82.5	119	121	121	119	120
85.0	75	76	76	75	74
87.5	53	52	51	51	51
90.0	43	43	43	43	43
92.5	43	43	43	43	43
95.0	45	45	45	45	45
97.5	47	47	47	47	47
100.0	55	55	55	55	55
102.5	61	61	61	61	61
105.0	67	66	66	66	66
107.5	72	72	71	71	71
110.0	76	76	76	76	75
112.5	79	79	79	79	78
115.0	82	82	81	82	82
117.5	84	84	84	84	84
120.0	85	85	85	85	86
122.5	86	86	86	86	86
125.0	87	87	88	87	87
127.5	90	90	90	90	90
130.0	94	94	94	94	94
132.5	95	95	95	95	95

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CANDELA TABULATION - (Cont.)

135.0	92	93	93	92	92
137.5	88	88	88	88	88
140.0	84	84	85	84	85
142.5	84	84	84	85	85
145.0	88	88	88	88	88
147.5	95	95	94	95	94
150.0	99	99	99	99	99
152.5	99	100	100	100	100
155.0	95	95	94	94	95
157.5	86	87	86	86	86
160.0	79	80	79	79	80
162.5	73	74	74	75	75
165.0	68	69	69	70	70
167.5	62	62	62	63	64
170.0	53	53	54	55	55
172.5	43	44	45	46	46
175.0	36	37	37	39	39
177.5	31	31	32	33	33
180.0	28	28	28	28	28

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	897.89	N.A.	10.50
0-30	2064.95	N.A.	24.00
0-40	3521.25	N.A.	41.00
0-60	6331.22	N.A.	73.70
0-80	8007.65	N.A.	93.30
0-90	8113.17	N.A.	94.50
10-90	7903.59	N.A.	92.00
20-40	2623.35	N.A.	30.60
20-50	4072.73	N.A.	47.40
40-70	3920.15	N.A.	45.70
60-80	1676.43	N.A.	19.50
70-80	566.26	N.A.	6.60
80-90	105.52	N.A.	1.20
90-110	119.90	N.A.	1.40
90-120	200.52	N.A.	2.30
90-130	279.58	N.A.	3.30
90-150	406.43	N.A.	4.70
90-180	473.31	N.A.	5.50
110-180	353.41	N.A.	4.10
0-180	8586.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.58
10-20	688.31
20-30	1167.06
30-40	1456.29
40-50	1449.38
50-60	1360.6
60-70	1110.17
70-80	566.26
80-90	105.52
90-100	50.17
100-110	69.73
110-120	80.62
120-130	79.06
130-140	70.73
140-150	56.12
150-160	43.10
160-170	19.68
170-180	4.10

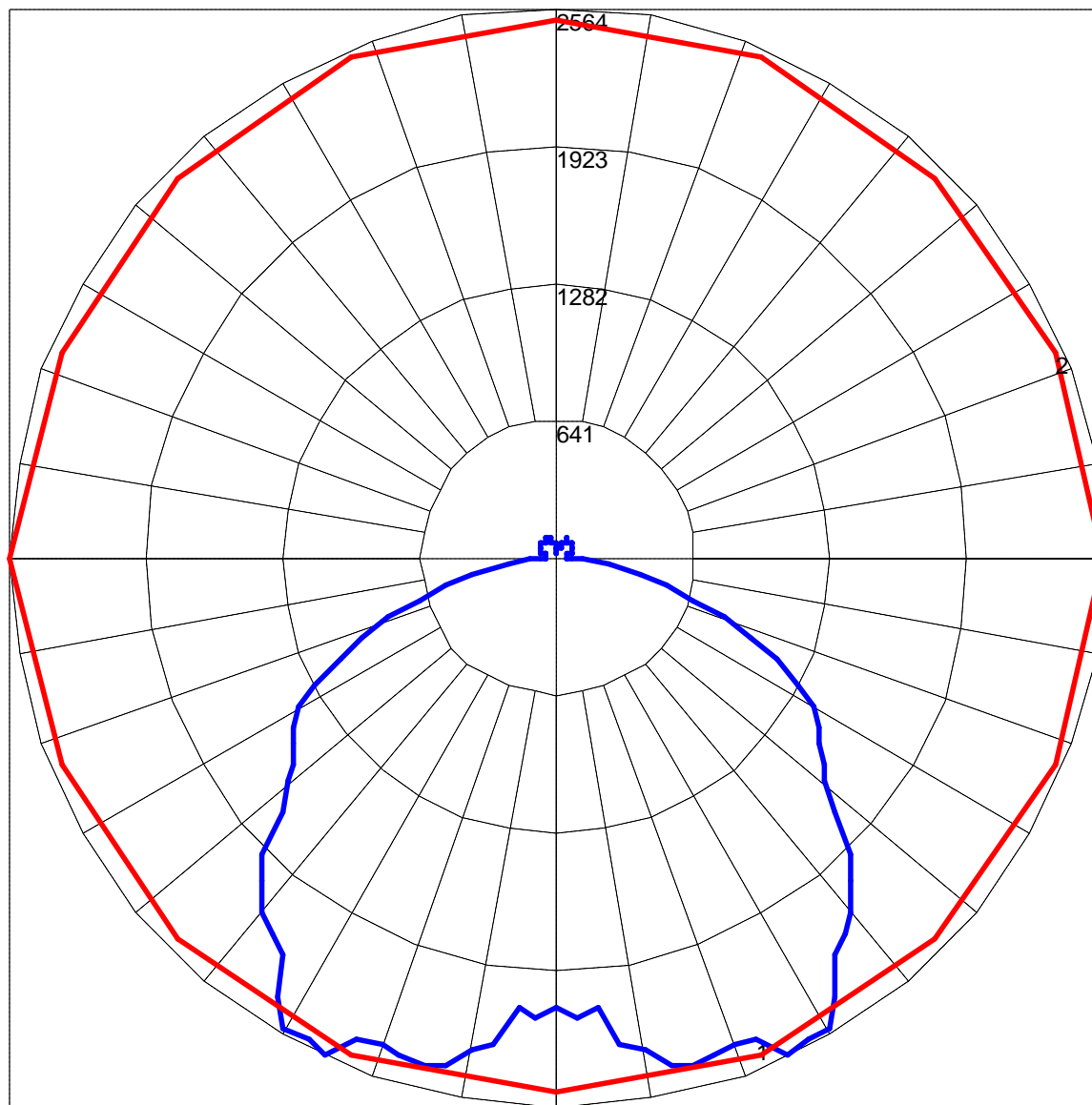
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	95	104	100	96	93	95	92	89	90	87	85	85	83	82	79
2	97	89	82	77	94	87	81	75	82	77	73	78	74	70	75	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	52	64	57	51	61	55	50	58	53	49	46
5	74	61	52	45	72	60	51	45	57	50	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	42	37	47	41	37	34
7	63	50	41	35	61	48	40	34	46	39	34	45	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

POLAR GRAPH



Maximum Candela = 2564 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)