



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-SS-WW-UE-ACF16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5931
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/07/14
[TEST DATE]08/07/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-WW-UE-ACF16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6416

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6416
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	58.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.70
Spacing Criterion (90-270)	1.70
Spacing Criterion (Diagonal)	1.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	1.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3817	4340	3833
55	3630	4067	3607
65	3540	3970	3606
75	3684	3951	3664
85	3775	3834	3760

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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	640	640	640	640	640
2.5	641	641	641	641	641
5.0	656	658	658	656	656
7.5	661	667	671	667	665
10.0	673	677	682	680	681
12.5	682	687	689	688	684
15.0	696	704	705	705	696
17.5	711	721	724	723	712
20.0	725	742	743	744	727
22.5	747	768	768	770	749
25.0	760	782	784	785	761
27.5	770	797	800	798	771
30.0	783	810	817	810	777
32.5	783	827	838	828	788
35.0	772	819	847	822	768
37.5	738	803	838	806	744
40.0	724	787	821	786	725
42.5	698	764	799	765	700
45.0	685	749	779	747	688
47.5	674	729	760	726	664
50.0	670	716	741	713	661
52.5	648	701	731	701	639
55.0	639	693	716	692	635
57.5	637	682	707	679	628
60.0	611	668	690	668	620
62.5	622	661	682	656	613
65.0	592	643	664	642	603
67.5	601	634	649	630	594
70.0	582	619	638	618	584
72.5	578	603	614	600	571
75.0	565	591	606	593	562
77.5	547	564	570	562	541
80.0	549	562	570	560	545
82.5	508	517	525	519	506
85.0	509	514	517	513	507
87.5	510	515	519	514	508
90.0	510	516	520	515	510
92.5	512	517	522	517	512
95.0	512	517	521	517	512
97.5	509	513	518	514	509
100.0	503	507	511	507	503
102.5	495	498	503	499	495
105.0	485	489	492	489	486
107.5	474	476	480	477	475
110.0	460	462	466	464	462
112.5	445	447	450	449	448
115.0	429	431	433	432	431
117.5	413	414	416	415	415
120.0	395	396	398	397	396
122.5	377	377	378	378	378
125.0	358	358	358	359	359
127.5	339	338	338	339	340
130.0	319	319	319	320	321
132.5	301	300	299	301	301

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CANDELA TABULATION - (Cont.)

135.0	282	281	280	281	283
137.5	263	262	260	261	263
140.0	244	243	242	242	244
142.5	226	224	223	224	225
145.0	207	205	204	205	207
147.5	189	188	187	188	189
150.0	173	172	170	171	172
152.5	158	157	156	156	156
155.0	144	144	143	142	142
157.5	133	132	131	131	131
160.0	123	123	121	121	122
162.5	113	113	113	112	112
165.0	104	104	104	104	104
167.5	96	96	96	96	95
170.0	88	87	87	88	87
172.5	79	79	78	79	79
175.0	72	73	73	73	74
177.5	63	63	64	64	64
180.0	55	55	55	55	55

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	263.89	N.A.	4.10
0-30	623.94	N.A.	9.70
0-40	1129.72	N.A.	17.60
0-60	2316.33	N.A.	36.10
0-80	3567.14	N.A.	55.60
0-90	4134.93	N.A.	64.40
10-90	4071.64	N.A.	63.50
20-40	865.83	N.A.	13.50
20-50	1438.63	N.A.	22.40
40-70	1820.54	N.A.	28.40
60-80	1250.81	N.A.	19.50
70-80	616.88	N.A.	9.60
80-90	567.79	N.A.	8.80
90-110	1077.27	N.A.	16.80
90-120	1505.59	N.A.	23.50
90-130	1827.59	N.A.	28.50
90-150	2176.38	N.A.	33.90
90-180	2281.25	N.A.	35.60
110-180	1203.98	N.A.	18.80
0-180	6416.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	63.29
10-20	200.60
20-30	360.05
30-40	505.78
40-50	572.80
50-60	613.81
60-70	633.93
70-80	616.88
80-90	567.79
90-100	561.47
100-110	515.80
110-120	428.32
120-130	322.00
130-140	218.43
140-150	130.36
150-160	67.51
160-170	30.05
170-180	7.31

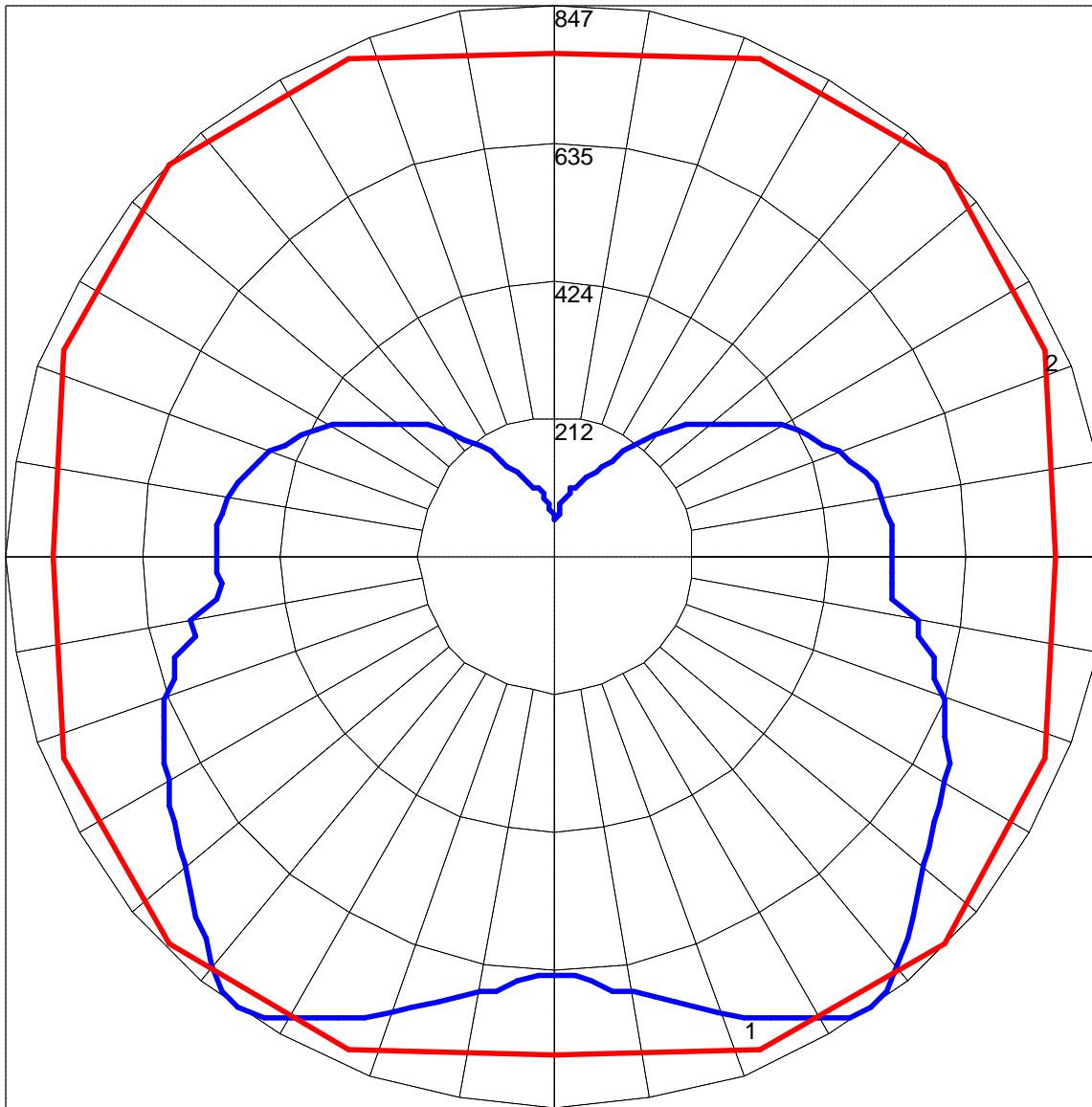
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	97	90	85	80	90	85	80	75	74	70	66	64	61	58	55	52	50	45
2	86	77	69	62	80	72	64	58	62	57	52	54	49	45	46	42	39	35
3	78	66	57	50	72	62	53	47	54	47	42	46	41	36	39	35	31	28
4	71	58	48	41	65	54	45	39	47	40	34	40	35	30	34	30	26	22
5	64	51	41	34	60	48	39	32	41	34	29	36	30	25	30	26	22	19
6	59	45	36	29	55	42	34	28	37	30	25	32	26	22	27	22	19	16
7	55	41	32	25	51	38	30	24	33	26	21	29	23	19	25	20	16	14
8	51	37	28	22	47	34	26	21	30	24	19	26	21	17	22	18	14	12
9	47	33	25	19	44	31	24	18	28	21	17	24	19	15	21	16	13	11
10	44	31	23	17	41	29	21	16	25	19	15	22	17	13	19	15	11	9

POLAR GRAPH



Maximum Candela = 847 Located At Horizontal Angle = 45, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)