



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AU-LED-SS-NW-UE-ACF16FA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5923  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]08/06/14  
[TEST DATE]08/06/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]AU-LED-SS-NW-UE-ACF16FA  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]6322

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6322
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	59.1
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	3538	3978	3549
55	3300	3732	3289
65	3301	3600	3283
75	3351	3593	3378
85	3857	3931	3849

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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	587	587	587	587	587
2.5	589	590	590	590	589
5.0	605	605	606	604	602
7.5	613	615	619	616	613
10.0	622	625	630	627	625
12.5	629	635	637	635	630
15.0	642	650	652	648	638
17.5	657	664	666	665	653
20.0	669	683	686	686	670
22.5	688	706	707	707	687
25.0	700	719	722	721	700
27.5	708	733	738	736	710
30.0	719	748	756	751	721
32.5	723	761	775	762	729
35.0	705	752	780	753	709
37.5	681	736	768	740	675
40.0	662	719	749	723	656
42.5	650	700	732	703	634
45.0	635	688	714	687	637
47.5	609	668	695	666	609
50.0	620	657	681	652	612
52.5	604	646	668	640	601
55.0	581	630	657	631	579
57.5	599	626	643	625	573
60.0	567	603	631	607	564
62.5	571	608	620	600	560
65.0	552	579	602	581	549
67.5	565	585	591	576	543
70.0	533	555	574	558	531
72.5	539	554	565	555	538
75.0	514	536	551	536	518
77.5	521	531	535	529	518
80.0	515	528	535	525	513
82.5	513	518	522	518	511
85.0	520	525	530	525	519
87.5	526	531	537	532	526
90.0	532	537	542	538	532
92.5	536	541	546	541	536
95.0	538	542	547	543	538
97.5	536	541	545	542	537
100.0	532	536	541	537	533
102.5	526	530	534	531	528
105.0	518	521	525	522	519
107.5	508	511	514	511	509
110.0	496	498	501	499	498
112.5	481	483	487	485	484
115.0	465	467	469	469	468
117.5	450	451	453	452	452
120.0	432	433	434	434	434
122.5	414	414	415	415	415
125.0	395	395	395	395	396
127.5	375	374	375	376	377
130.0	355	354	354	356	357
132.5	335	334	334	336	337

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CANDELA TABULATION - (Cont.)

135.0	315	314	314	316	316
137.5	295	294	294	295	296
140.0	276	275	273	275	276
142.5	256	255	253	255	256
145.0	236	234	233	235	236
147.5	217	215	214	216	217
150.0	198	197	196	198	199
152.5	182	181	179	181	182
155.0	167	165	163	164	165
157.5	153	152	150	150	151
160.0	142	140	139	138	139
162.5	130	129	127	126	127
165.0	120	119	117	116	117
167.5	109	108	106	106	107
170.0	99	98	96	95	97
172.5	83	82	80	80	81
175.0	73	74	74	74	74
177.5	62	63	63	64	64
180.0	54	54	54	54	54

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	243.24	N.A.	3.80
0-30	574.85	N.A.	9.10
0-40	1039.66	N.A.	16.40
0-60	2127.64	N.A.	33.70
0-80	3276.08	N.A.	51.80
0-90	3850.34	N.A.	60.90
10-90	3792.01	N.A.	60.00
20-40	796.42	N.A.	12.60
20-50	1321.78	N.A.	20.90
40-70	1666.19	N.A.	26.40
60-80	1148.44	N.A.	18.20
70-80	570.23	N.A.	9.00
80-90	574.26	N.A.	9.10
90-110	1140.11	N.A.	18.00
90-120	1604.61	N.A.	25.40
90-130	1959.49	N.A.	31.00
90-150	2352.88	N.A.	37.20
90-180	2472.11	N.A.	39.10
110-180	1332.00	N.A.	21.10
0-180	6322.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	58.34
10-20	184.90
20-30	331.61
30-40	464.80
40-50	525.36
50-60	562.62
60-70	578.21
70-80	570.24
80-90	574.26
90-100	589.60
100-110	550.51
110-120	464.49
120-130	354.88
130-140	244.68
140-150	148.71
150-160	77.70
160-170	33.94
170-180	7.60

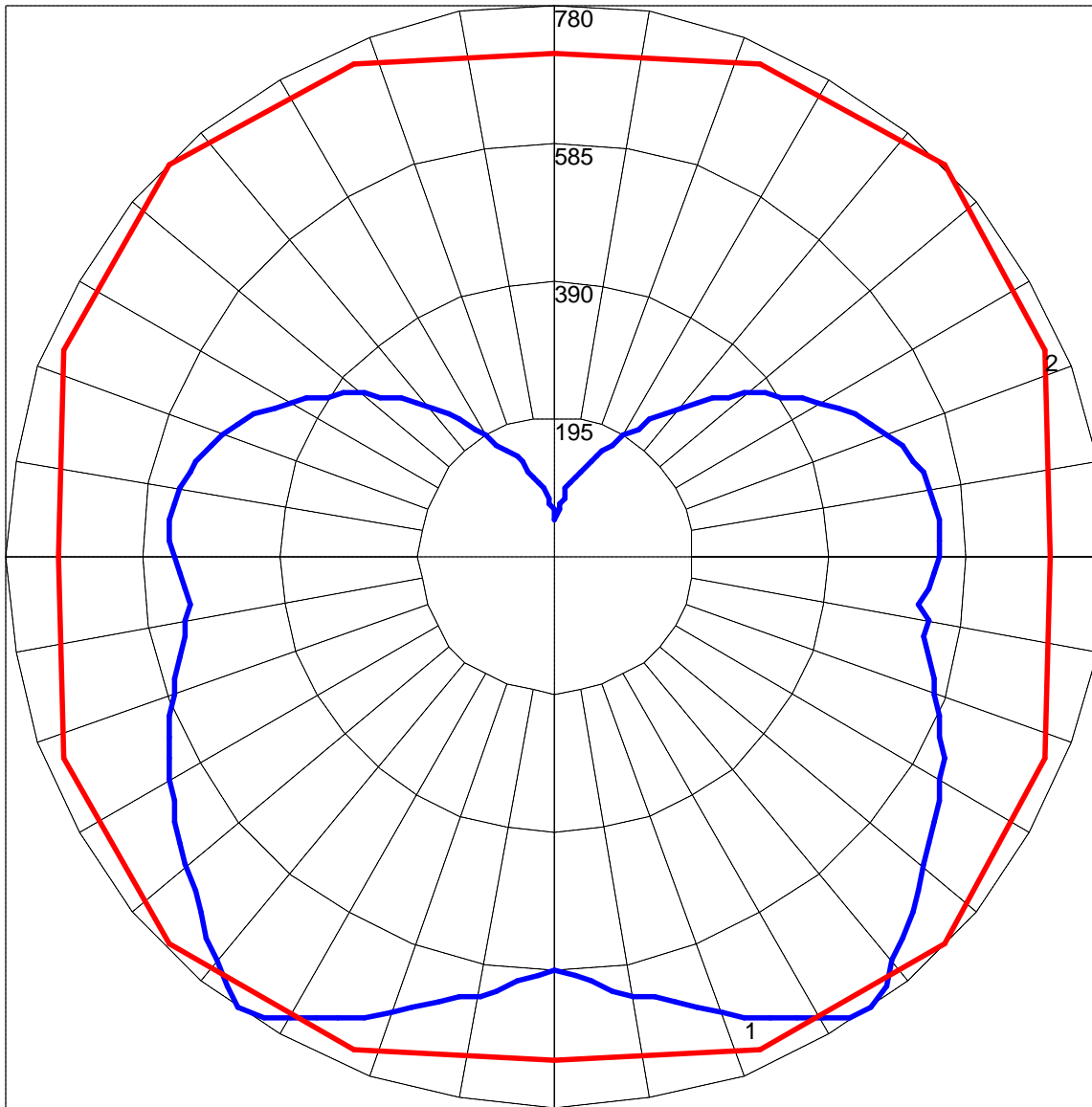
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	96	90	84	79	89	84	79	74	72	68	65	61	58	56	52	49	47	42
2	86	76	68	61	79	71	64	58	61	55	50	52	47	43	43	40	37	32
3	77	66	57	49	71	61	53	46	52	46	41	44	39	35	37	33	30	26
4	70	57	48	41	65	53	45	38	46	39	34	39	33	29	32	28	25	21
5	64	51	41	34	59	47	39	32	41	34	28	34	29	24	29	24	21	17
6	59	45	36	29	54	42	34	27	36	29	24	31	25	21	26	21	18	15
7	54	40	31	25	50	38	30	24	33	26	21	28	22	18	23	19	15	13
8	50	37	28	22	46	34	26	21	30	23	18	25	20	16	21	17	14	11
9	47	33	25	19	43	31	24	18	27	21	16	23	18	14	20	15	12	10
10	44	30	22	17	40	28	21	16	25	19	14	21	16	13	18	14	11	9

POLAR GRAPH



Maximum Candela = 780 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.)