



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5930  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]08/07/14  
[TEST DATE]08/07/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]AU-LED-SS-WW-UE-ACF16FA  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]6209

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6209
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
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	3488	3889	3438
55	3244	3647	3261
65	3229	3540	3223
75	3286	3514	3404
85	3775	3864	3805

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	578	578	578	578	578
<b>2.5</b>	579	580	580	580	580
<b>5.0</b>	593	594	594	594	593
<b>7.5</b>	599	604	607	602	600
<b>10.0</b>	612	613	616	614	611
<b>12.5</b>	618	621	623	621	617
<b>15.0</b>	629	636	636	635	625
<b>17.5</b>	640	650	651	651	640
<b>20.0</b>	654	669	670	669	653
<b>22.5</b>	673	691	690	692	672
<b>25.0</b>	681	701	704	704	684
<b>27.5</b>	693	717	720	718	695
<b>30.0</b>	702	730	738	734	706
<b>32.5</b>	707	743	759	744	706
<b>35.0</b>	691	736	761	736	692
<b>37.5</b>	664	721	751	723	661
<b>40.0</b>	648	703	737	706	646
<b>42.5</b>	633	684	714	686	628
<b>45.0</b>	626	672	698	670	617
<b>47.5</b>	600	656	678	653	607
<b>50.0</b>	597	645	669	644	593
<b>52.5</b>	593	629	653	628	586
<b>55.0</b>	571	621	642	620	574
<b>57.5</b>	579	612	630	612	567
<b>60.0</b>	556	593	618	597	555
<b>62.5</b>	560	592	604	590	549
<b>65.0</b>	540	567	592	570	539
<b>67.5</b>	556	570	578	566	533
<b>70.0</b>	521	543	566	552	523
<b>72.5</b>	531	546	550	544	528
<b>75.0</b>	504	524	539	530	522
<b>77.5</b>	507	518	525	522	510
<b>80.0</b>	508	524	524	515	506
<b>82.5</b>	502	508	513	511	505
<b>85.0</b>	509	515	521	518	513
<b>87.5</b>	516	522	528	525	520
<b>90.0</b>	521	527	533	530	525
<b>92.5</b>	525	531	537	534	529
<b>95.0</b>	527	532	539	536	531
<b>97.5</b>	526	531	537	534	530
<b>100.0</b>	522	527	533	530	526
<b>102.5</b>	516	521	526	524	520
<b>105.0</b>	509	513	518	516	512
<b>107.5</b>	499	502	507	505	502
<b>110.0</b>	487	490	494	493	490
<b>112.5</b>	473	475	480	478	476
<b>115.0</b>	457	460	463	463	462
<b>117.5</b>	441	443	446	446	445
<b>120.0</b>	424	425	428	427	427
<b>122.5</b>	406	407	409	409	408
<b>125.0</b>	388	388	389	389	390
<b>127.5</b>	369	369	369	370	371
<b>130.0</b>	349	348	349	350	351
<b>132.5</b>	329	328	328	330	331

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	310	309	309	310	311
<b>137.5</b>	290	290	289	290	292
<b>140.0</b>	271	270	270	270	271
<b>142.5</b>	252	251	249	250	252
<b>145.0</b>	233	231	230	231	232
<b>147.5</b>	213	211	211	212	213
<b>150.0</b>	196	194	194	195	196
<b>152.5</b>	179	179	178	179	179
<b>155.0</b>	164	163	163	163	163
<b>157.5</b>	151	151	150	150	150
<b>160.0</b>	140	140	139	139	140
<b>162.5</b>	129	129	129	128	129
<b>165.0</b>	119	119	119	119	119
<b>167.5</b>	110	110	110	110	109
<b>170.0</b>	96	98	96	99	101
<b>172.5</b>	82	81	81	82	82
<b>175.0</b>	74	74	75	76	76
<b>177.5</b>	64	64	64	66	66
<b>180.0</b>	56	56	56	56	56

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	238.09	N.A.	3.80
0-30	562.00	N.A.	9.10
0-40	1016.38	N.A.	16.40
0-60	2082.12	N.A.	33.50
0-80	3209.18	N.A.	51.70
0-90	3774.17	N.A.	60.80
10-90	3716.95	N.A.	59.90
20-40	778.29	N.A.	12.50
20-50	1292.63	N.A.	20.80
40-70	1632.54	N.A.	26.30
60-80	1127.06	N.A.	18.20
70-80	560.25	N.A.	9.00
80-90	564.99	N.A.	9.10
90-110	1122.58	N.A.	18.10
90-120	1580.00	N.A.	25.40
90-130	1929.22	N.A.	31.10
90-150	2316.16	N.A.	37.30
90-180	2435.24	N.A.	39.20
110-180	1312.65	N.A.	21.10
0-180	6209.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	57.21
10-20	180.88
20-30	323.91
30-40	454.38
40-50	514.34
50-60	551.40
60-70	566.80
70-80	560.25
80-90	564.99
90-100	580.21
100-110	542.37
110-120	457.42
120-130	349.22
130-140	240.59
140-150	146.34
150-160	77.06
160-170	34.33
170-180	7.69

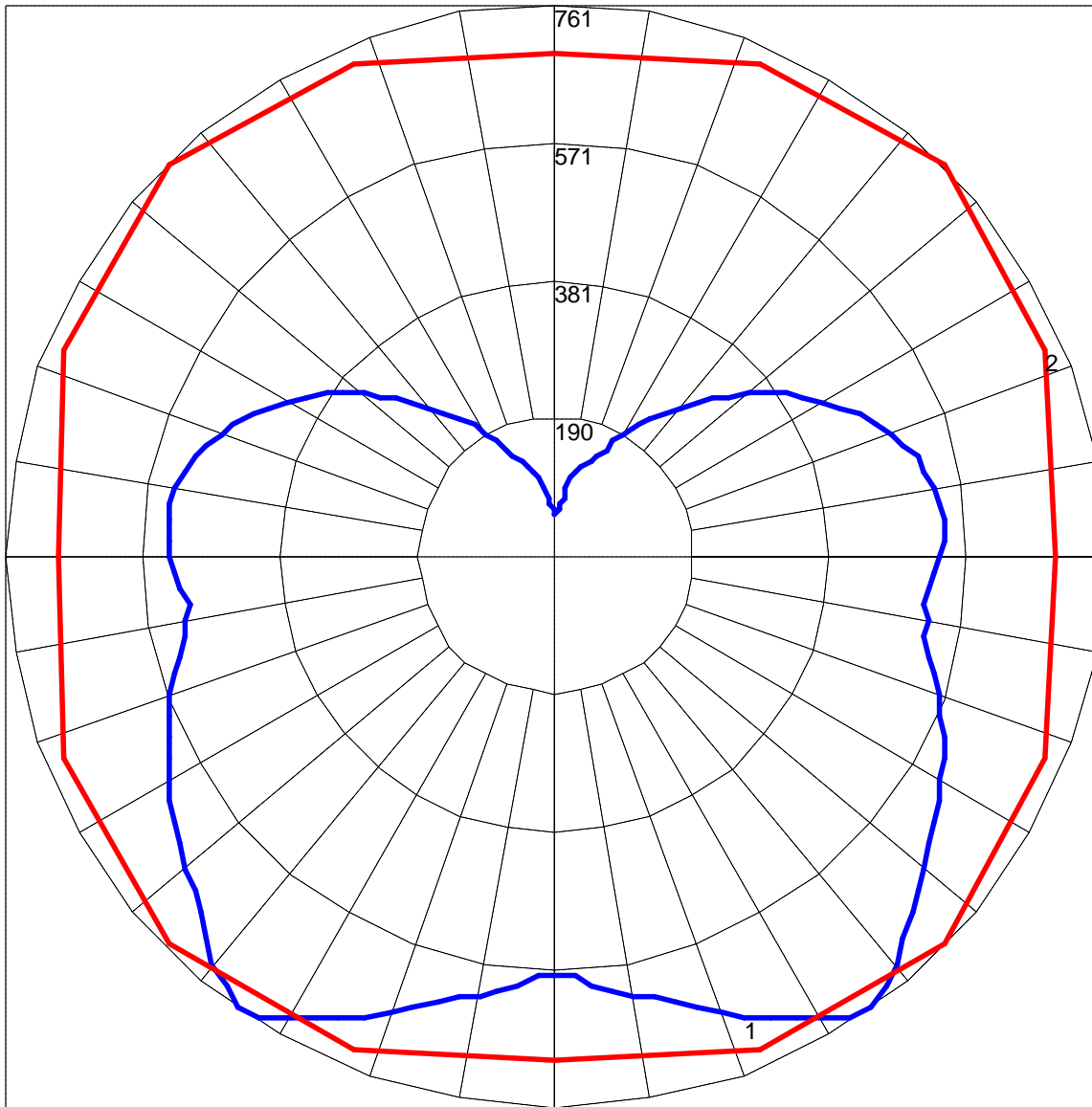
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	83	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	33	39	33	29	32	28	24	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	23	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 = 761 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.)