



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-SS-WW-UE-ACF16SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5932
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/07/14
[TEST DATE]08/07/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-WW-UE-ACF16SA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6196

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6196
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	58.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.68
Spacing Criterion (90-270)	1.70
Spacing Criterion (Diagonal)	1.86
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	1.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3346	3737	3303
55	3133	3496	3106
65	3177	3426	3109
75	3232	3428	3226
85	3562	3652	3569

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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	582	582	582	582	582
2.5	583	583	583	583	583
5.0	597	597	597	596	595
7.5	602	606	610	606	604
10.0	612	614	618	616	615
12.5	619	623	625	624	618
15.0	629	636	637	636	627
17.5	641	650	652	650	639
20.0	654	667	670	669	653
22.5	673	689	690	690	669
25.0	682	700	704	703	681
27.5	692	716	720	717	693
30.0	696	725	735	728	698
32.5	699	735	750	735	695
35.0	688	730	756	728	684
37.5	668	717	745	715	668
40.0	647	701	730	698	649
42.5	624	682	710	680	630
45.0	625	668	698	667	617
47.5	606	653	678	651	600
50.0	599	643	672	642	594
52.5	581	633	655	629	587
55.0	578	623	645	621	573
57.5	569	615	637	613	567
60.0	564	605	626	603	561
62.5	558	596	617	596	554
65.0	561	589	605	587	549
67.5	544	578	595	577	547
70.0	544	570	584	570	542
72.5	535	561	573	557	534
75.0	528	549	560	550	527
77.5	524	540	550	541	524
80.0	522	531	537	529	517
82.5	514	523	530	526	516
85.0	517	524	530	525	518
87.5	520	526	531	527	521
90.0	521	527	532	528	523
92.5	522	527	532	529	523
95.0	522	526	531	528	523
97.5	519	523	528	525	521
100.0	513	517	522	519	515
102.5	506	509	514	512	509
105.0	497	500	505	503	500
107.5	487	489	494	492	489
110.0	475	477	481	479	477
112.5	461	463	466	464	463
115.0	447	447	450	449	448
117.5	430	431	433	433	432
120.0	413	413	415	415	416
122.5	395	395	396	397	398
125.0	377	377	378	379	379
127.5	359	359	359	359	360
130.0	341	340	340	341	342
132.5	323	322	321	322	323

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CANDELA TABULATION - (Cont.)

135.0	303	302	302	303	304
137.5	284	283	283	284	286
140.0	266	264	263	265	267
142.5	247	246	245	246	247
145.0	229	228	227	227	229
147.5	211	210	209	209	210
150.0	194	193	192	192	193
152.5	179	178	177	177	178
155.0	164	163	162	163	163
157.5	151	150	150	150	150
160.0	140	140	139	139	140
162.5	129	129	129	129	129
165.0	120	120	120	120	120
167.5	111	111	111	111	110
170.0	102	102	102	102	101
172.5	97	97	97	95	97
175.0	95	95	95	96	97
177.5	84	84	85	86	87
180.0	76	76	76	76	76

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	238.55	N.A.	3.90
0-30	561.75	N.A.	9.10
0-40	1012.62	N.A.	16.30
0-60	2078.57	N.A.	33.50
0-80	3236.05	N.A.	52.20
0-90	3809.39	N.A.	61.50
10-90	3751.91	N.A.	60.60
20-40	774.07	N.A.	12.50
20-50	1286.7	N.A.	20.80
40-70	1644.45	N.A.	26.50
60-80	1157.48	N.A.	18.70
70-80	578.98	N.A.	9.30
80-90	573.34	N.A.	9.30
90-110	1102.54	N.A.	17.80
90-120	1547.24	N.A.	25.00
90-130	1886.72	N.A.	30.50
90-150	2266.11	N.A.	36.60
90-180	2386.52	N.A.	38.50
110-180	1283.98	N.A.	20.70
0-180	6195.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.48
10-20	181.08
20-30	323.19
30-40	450.87
40-50	512.63
50-60	553.31
60-70	578.50
70-80	578.98
80-90	573.34
90-100	573.13
100-110	529.41
110-120	444.71
120-130	339.48
130-140	235.27
140-150	144.11
150-160	76.72
160-170	34.59
170-180	9.10

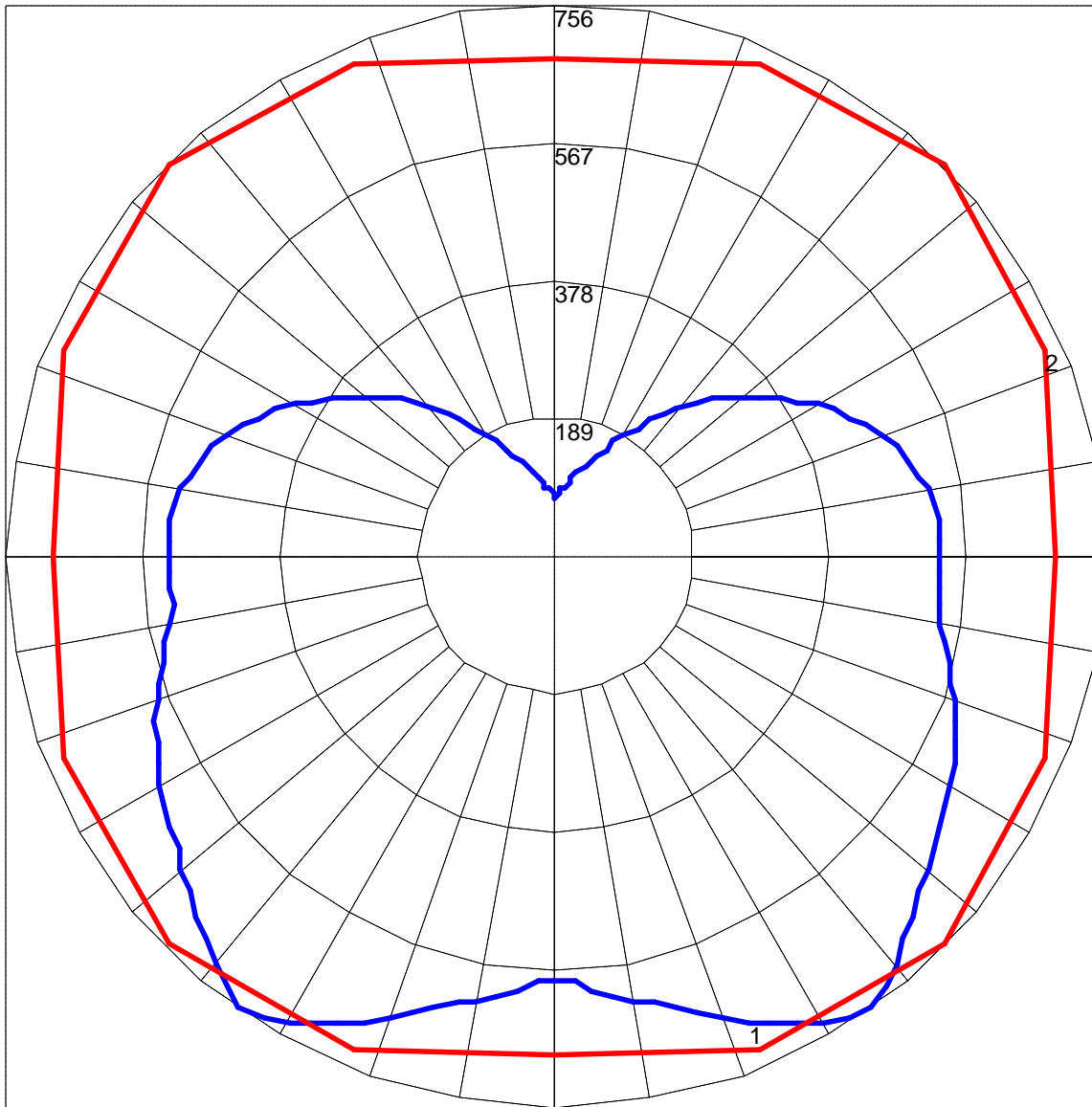
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	61
1	96	90	84	79	89	84	79	74	72	68	65	62	59	56	52	50	48	43
2	86	76	68	61	79	71	64	57	61	55	50	52	47	43	43	40	37	32
3	77	65	56	49	71	61	53	46	52	46	40	44	39	35	37	33	30	26
4	70	57	48	40	65	53	45	38	46	39	33	39	33	29	32	28	24	21
5	64	50	41	34	59	47	38	32	40	33	28	34	29	24	29	24	21	17
6	59	45	36	29	54	42	33	27	36	29	24	31	25	21	26	21	18	15
7	54	40	31	25	50	38	29	24	33	26	21	28	22	18	23	19	15	13
8	50	36	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 = 756 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.)