



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5924
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/06/14
[TEST DATE]08/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-NW-UE-ACF16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6539

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6539
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	58.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.72
Spacing Criterion (90-270)	1.72
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	3900	4435	3945
55	3727	4158	3687
65	3618	4048	3683
75	3756	4023	3697
85	3849	3916	3827

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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	651	651	651	651	651
2.5	651	653	653	652	652
5.0	668	670	671	669	667
7.5	676	681	685	681	679
10.0	688	691	697	694	692
12.5	696	702	705	702	696
15.0	713	721	721	719	708
17.5	729	737	739	737	726
20.0	744	758	760	760	743
22.5	765	784	784	785	764
25.0	779	799	802	801	778
27.5	788	815	820	814	789
30.0	800	828	837	828	798
32.5	808	845	859	846	807
35.0	788	837	866	839	789
37.5	756	822	855	824	765
40.0	740	802	838	803	744
42.5	716	779	817	781	720
45.0	700	764	796	764	708
47.5	689	744	776	743	682
50.0	683	732	759	729	678
52.5	663	714	747	715	657
55.0	656	706	732	705	649
57.5	651	694	722	692	643
60.0	624	681	703	679	634
62.5	636	671	695	668	627
65.0	605	654	677	652	616
67.5	613	645	662	640	606
70.0	590	629	649	626	595
72.5	588	614	625	609	581
75.0	576	601	617	597	567
77.5	557	573	582	571	550
80.0	559	571	579	568	554
82.5	518	527	534	527	515
85.0	519	524	528	522	516
87.5	520	525	529	523	518
90.0	520	526	530	525	519
92.5	522	527	531	527	521
95.0	522	526	531	526	521
97.5	518	523	527	523	519
100.0	512	516	520	517	513
102.5	504	508	511	508	505
105.0	495	498	501	498	496
107.5	483	486	488	486	484
110.0	469	471	474	472	471
112.5	454	455	458	457	456
115.0	438	439	440	440	440
117.5	421	422	423	423	423
120.0	402	403	404	404	404
122.5	384	384	384	385	385
125.0	365	365	364	365	366
127.5	345	344	344	345	347
130.0	326	324	324	326	327
132.5	306	305	305	306	308

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CANDELA TABULATION - (Cont.)

135.0	286	286	285	286	288
137.5	268	267	266	267	268
140.0	249	248	246	247	249
142.5	230	229	226	229	230
145.0	211	210	207	210	211
147.5	192	191	190	192	193
150.0	176	174	172	175	176
152.5	160	159	157	159	160
155.0	146	145	143	144	145
157.5	134	133	131	131	132
160.0	124	123	121	121	121
162.5	114	113	111	110	112
165.0	105	104	101	102	102
167.5	95	92	90	90	90
170.0	84	83	82	82	82
172.5	74	74	72	72	73
175.0	66	67	66	67	67
177.5	55	56	57	57	58
180.0	49	49	49	49	49

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	269.47	N.A.	4.10
0-30	637.52	N.A.	9.80
0-40	1154.88	N.A.	17.70
0-60	2367.12	N.A.	36.20
0-80	3639.44	N.A.	55.70
0-90	4217.62	N.A.	64.50
10-90	4153.07	N.A.	63.50
20-40	885.41	N.A.	13.50
20-50	1471.02	N.A.	22.50
40-70	1857.72	N.A.	28.40
60-80	1272.31	N.A.	19.50
70-80	626.83	N.A.	9.60
80-90	578.19	N.A.	8.80
90-110	1097.24	N.A.	16.80
90-120	1533.4	N.A.	23.50
90-130	1861.16	N.A.	28.50
90-150	2216.54	N.A.	33.90
90-180	2320.95	N.A.	35.50
110-180	1223.71	N.A.	18.70
0-180	6538.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.55
10-20	204.92
20-30	368.05
30-40	517.36
40-50	585.60
50-60	626.64
60-70	645.48
70-80	626.83
80-90	578.19
90-100	571.83
100-110	525.41
110-120	436.16
120-130	327.76
130-140	222.52
140-150	132.86
150-160	68.20
160-170	29.47
170-180	6.74

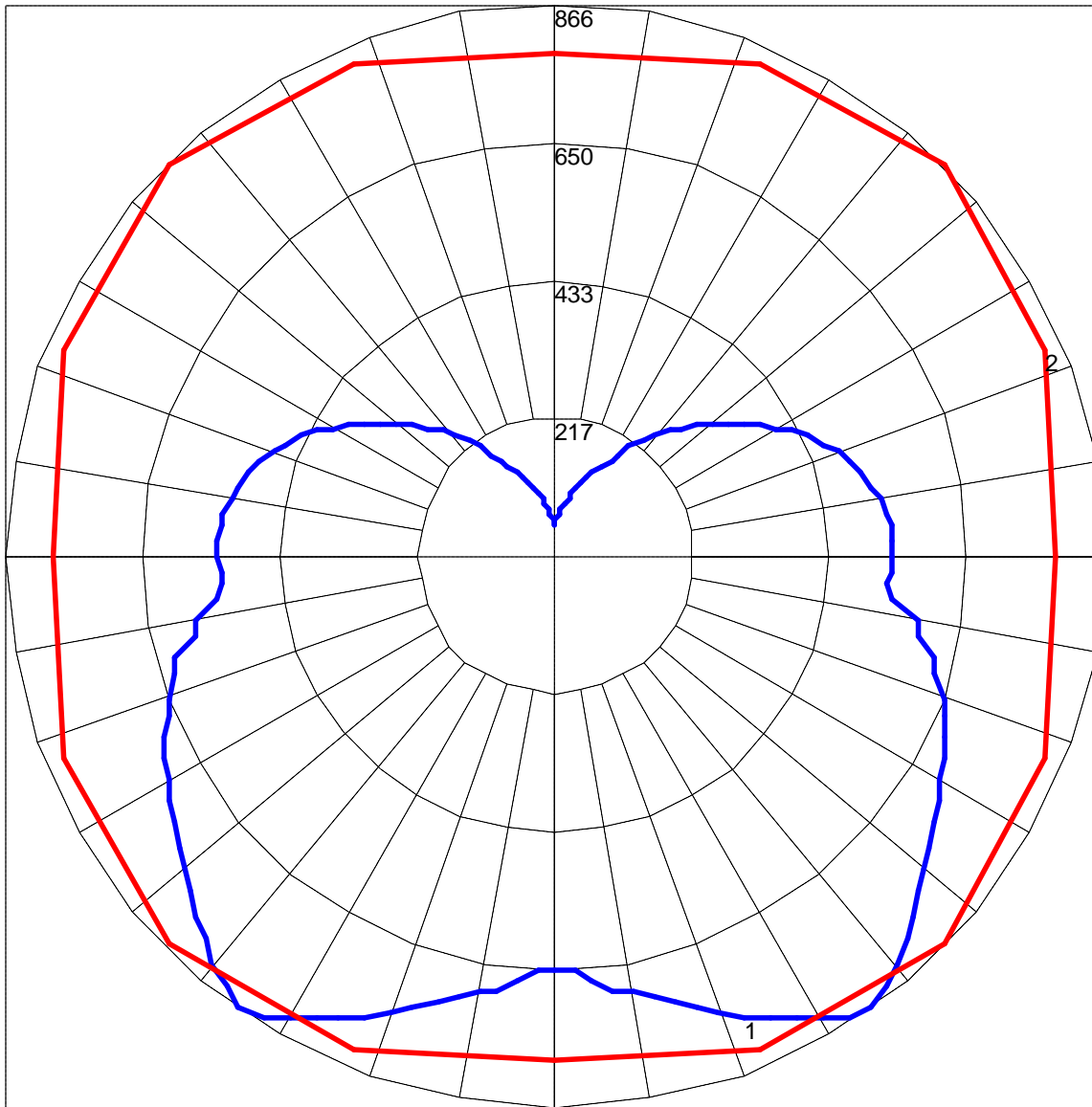
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	54	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	23
5	65	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	23	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	35	27	21	30	24	19	26	21	17	23	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 = 866 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.)