



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5925
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/06/14
[TEST DATE]08/06/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-NW-UE-ACF16SA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6305

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6305
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
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	1.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3362	3817	3400
55	3241	3583	3187
65	3222	3488	3171
75	3281	3483	3275
85	3624	3714	3624

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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	589	589	589	589	589
2.5	591	591	591	590	590
5.0	606	606	608	606	604
7.5	615	618	621	617	614
10.0	623	626	630	627	625
12.5	629	634	637	634	628
15.0	643	649	650	648	639
17.5	656	662	664	662	652
20.0	669	682	682	680	666
22.5	686	703	702	701	683
25.0	697	715	718	716	696
27.5	708	731	734	730	708
30.0	714	741	751	741	713
32.5	712	751	767	751	721
35.0	702	744	769	744	705
37.5	677	735	760	734	682
40.0	660	716	745	714	658
42.5	639	696	727	696	643
45.0	628	683	713	682	635
47.5	615	665	692	663	617
50.0	612	656	682	654	608
52.5	593	643	669	643	597
55.0	598	636	661	633	588
57.5	581	622	651	625	579
60.0	582	617	638	614	574
62.5	569	604	628	605	566
65.0	569	600	616	596	560
67.5	553	586	606	586	555
70.0	554	579	594	577	551
72.5	549	571	584	567	542
75.0	536	555	569	556	535
77.5	535	550	559	549	532
80.0	530	539	548	539	526
82.5	523	532	540	533	523
85.0	526	533	539	533	526
87.5	530	535	540	535	530
90.0	530	535	541	536	531
92.5	532	536	541	537	533
95.0	531	535	540	536	532
97.5	528	532	537	533	529
100.0	523	526	531	528	524
102.5	515	519	523	521	518
105.0	506	509	513	511	509
107.5	496	498	501	500	498
110.0	484	486	488	487	486
112.5	470	471	473	472	471
115.0	455	456	457	456	456
117.5	438	438	440	440	440
120.0	421	420	421	422	423
122.5	402	402	403	404	405
125.0	384	384	384	385	385
127.5	366	365	365	366	366
130.0	347	346	346	346	347
132.5	328	327	326	327	329

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CANDELA TABULATION - (Cont.)

135.0	308	307	307	308	310
137.5	289	288	288	290	291
140.0	270	269	268	270	271
142.5	251	250	249	250	252
145.0	232	231	229	231	233
147.5	214	213	211	213	214
150.0	198	196	194	196	197
152.5	182	180	178	179	180
155.0	166	164	163	164	165
157.5	153	151	149	150	151
160.0	141	140	138	138	139
162.5	130	129	127	127	128
165.0	121	119	117	117	118
167.5	111	109	108	107	108
170.0	99	97	97	95	96
172.5	86	86	84	84	85
175.0	77	77	77	78	78
177.5	65	66	66	67	68
180.0	57	57	57	57	57

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	242.99	N.A.	3.90
0-30	572.64	N.A.	9.10
0-40	1033.38	N.A.	16.40
0-60	2121.27	N.A.	33.60
0-80	3298.15	N.A.	52.30
0-90	3881.00	N.A.	61.60
10-90	3822.53	N.A.	60.60
20-40	790.38	N.A.	12.50
20-50	1313.64	N.A.	20.80
40-70	1676.27	N.A.	26.60
60-80	1176.88	N.A.	18.70
70-80	588.50	N.A.	9.30
80-90	582.85	N.A.	9.20
90-110	1121.3	N.A.	17.80
90-120	1573.56	N.A.	25.00
90-130	1918.89	N.A.	30.40
90-150	2304.56	N.A.	36.60
90-180	2423.81	N.A.	38.40
110-180	1302.52	N.A.	20.70
0-180	6304.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.47
10-20	184.53
20-30	329.65
30-40	460.73
40-50	523.26
50-60	564.64
60-70	588.38
70-80	588.50
80-90	582.85
90-100	582.71
100-110	538.59
110-120	452.27
120-130	345.32
130-140	239.28
140-150	146.39
150-160	77.33
160-170	34.06
170-180	7.86

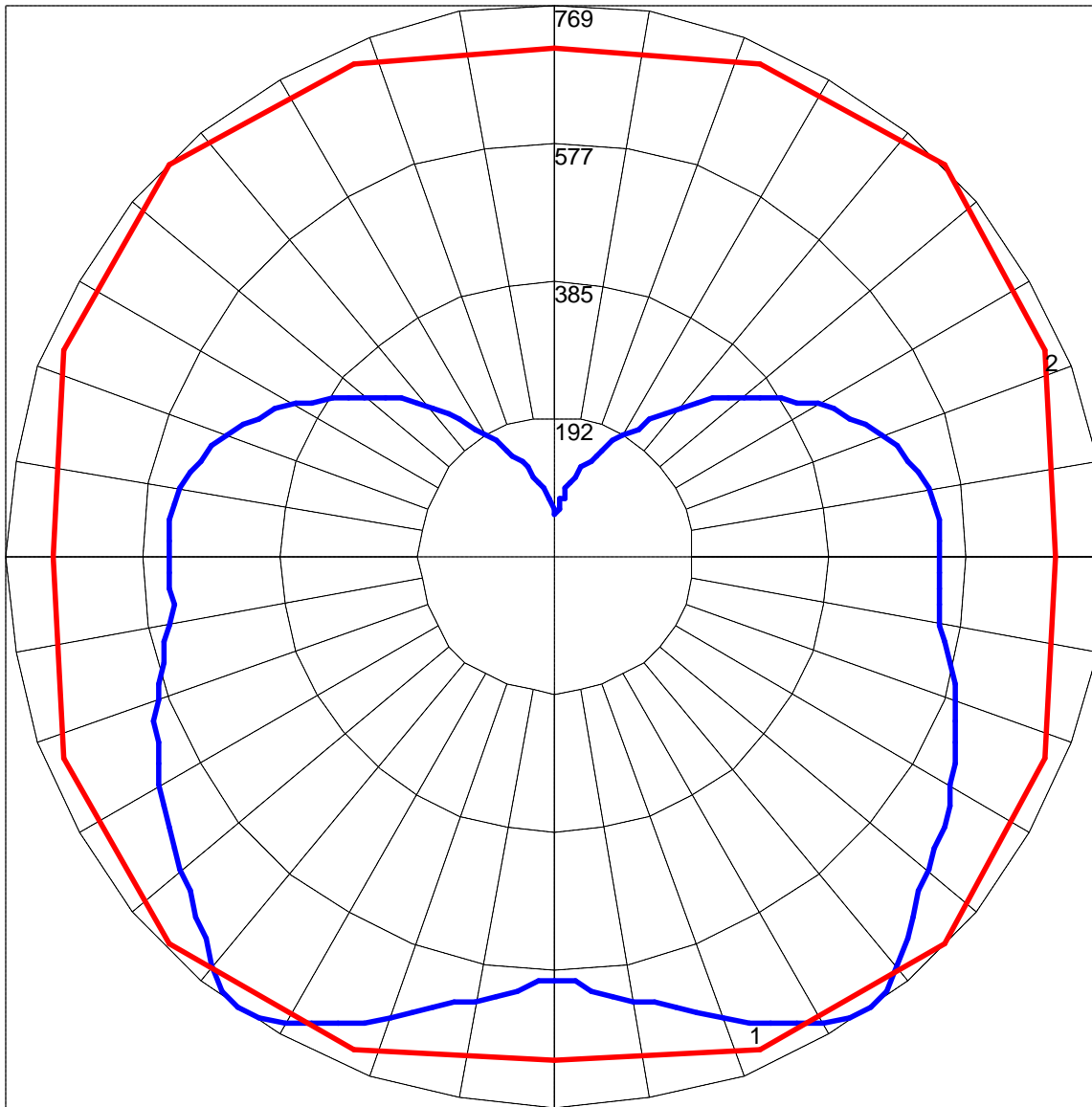
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	62
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	33
3	77	65	56	49	71	61	53	46	52	46	40	45	39	35	37	33	30	26
4	70	57	48	40	65	53	45	38	46	39	33	39	33	29	32	28	25	21
5	64	50	41	34	59	47	38	32	41	34	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 = 769 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.)