



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-HO-WW-UE-ACF16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5936
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/08/14
[TEST DATE]08/08/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-WW-UE-ACF16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]8930

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8930
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	84.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.70
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	5315	6034	5343
55	5084	5692	5096
65	4993	5555	4981
75	5177	5523	5145
85	5177	5347	5303

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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	883	883	883	883	883
2.5	884	885	886	885	884
5.0	904	907	907	908	904
7.5	918	921	922	918	913
10.0	940	938	939	931	927
12.5	946	951	953	947	944
15.0	961	972	975	969	963
17.5	980	995	998	996	986
20.0	999	1025	1026	1025	1011
22.5	1034	1064	1061	1059	1036
25.0	1049	1083	1085	1081	1056
27.5	1061	1102	1108	1102	1070
30.0	1072	1118	1135	1125	1094
32.5	1091	1144	1162	1145	1097
35.0	1068	1138	1177	1138	1072
37.5	1031	1120	1162	1111	1038
40.0	1002	1096	1141	1094	1016
42.5	970	1065	1112	1062	984
45.0	954	1039	1083	1039	959
47.5	933	1012	1054	1014	945
50.0	911	993	1041	996	931
52.5	885	975	1013	976	914
55.0	895	964	1002	964	897
57.5	867	942	988	949	898
60.0	861	932	964	928	860
62.5	846	911	950	922	875
65.0	835	899	929	893	833
67.5	818	873	906	887	846
70.0	810	864	892	858	808
72.5	786	830	854	842	811
75.0	794	827	847	821	789
77.5	745	779	795	788	768
80.0	750	774	795	786	768
82.5	703	723	733	724	714
85.0	698	708	721	719	715
87.5	700	710	723	722	717
90.0	702	712	724	722	717
92.5	706	715	727	725	721
95.0	706	714	725	724	720
97.5	702	710	720	719	716
100.0	695	702	711	711	708
102.5	685	691	699	699	697
105.0	672	677	685	685	683
107.5	656	661	668	669	667
110.0	638	642	648	650	648
112.5	618	622	627	628	628
115.0	597	600	603	605	605
117.5	574	576	578	581	581
120.0	549	550	553	555	556
122.5	523	523	526	530	531
125.0	497	497	499	503	505
127.5	470	470	471	476	477
130.0	444	444	445	448	451
132.5	418	418	418	421	423

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CANDELA TABULATION - (Cont.)

135.0	391	391	391	394	396
137.5	365	364	363	367	369
140.0	338	336	337	341	343
142.5	312	310	311	314	317
145.0	285	285	284	288	289
147.5	261	261	260	263	264
150.0	240	239	239	240	241
152.5	219	218	218	219	220
155.0	200	198	198	199	200
157.5	183	182	183	183	184
160.0	169	168	169	170	170
162.5	156	155	156	157	158
165.0	143	144	144	146	146
167.5	130	131	132	133	132
170.0	120	119	121	122	122
172.5	107	107	108	109	110
175.0	98	98	100	101	102
177.5	86	86	87	87	88
180.0	75	75	75	75	75

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	364.12	N.A.	4.10
0-30	862.01	N.A.	9.70
0-40	1564.14	N.A.	17.50
0-60	3217.3	N.A.	36.00
0-80	4960.02	N.A.	55.50
0-90	5750.79	N.A.	64.40
10-90	5663.53	N.A.	63.40
20-40	1200.02	N.A.	13.40
20-50	1997.54	N.A.	22.40
40-70	2536.79	N.A.	28.40
60-80	1742.72	N.A.	19.50
70-80	859.08	N.A.	9.60
80-90	790.77	N.A.	8.90
90-110	1500.4	N.A.	16.80
90-120	2097.69	N.A.	23.50
90-130	2546.85	N.A.	28.50
90-150	3033.53	N.A.	34.00
90-180	3179.26	N.A.	35.60
110-180	1678.86	N.A.	18.80
0-180	8930.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.26
10-20	276.87
20-30	497.88
30-40	702.14
40-50	797.52
50-60	855.64
60-70	883.63
70-80	859.08
80-90	790.77
90-100	781.56
100-110	718.84
110-120	597.29
120-130	449.16
130-140	304.99
140-150	181.69
150-160	94.07
160-170	41.63
170-180	10.03

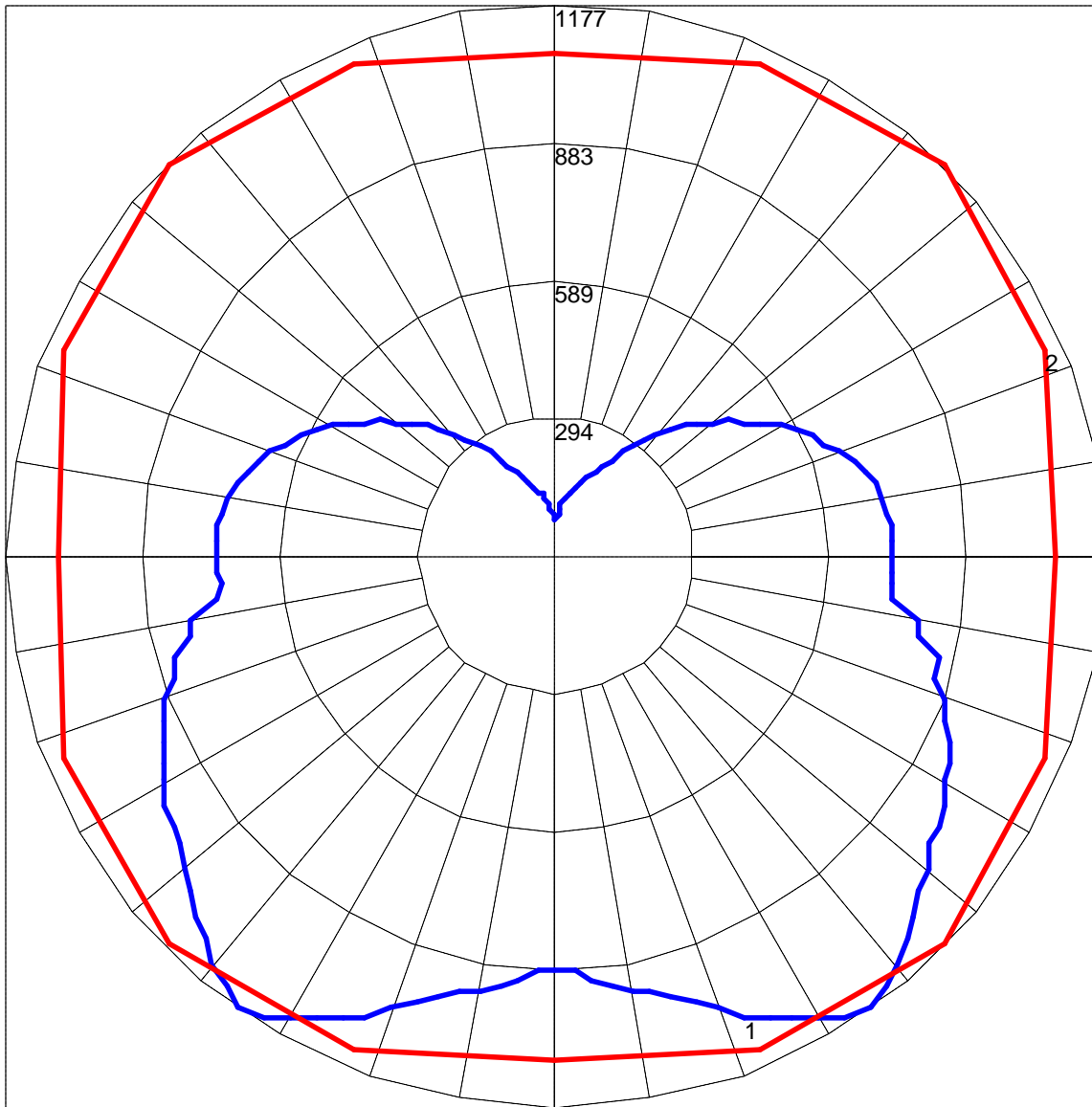
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	56	52	54	49	45	46	42	39	35
3	78	66	57	50	72	62	53	47	54	47	41	46	41	36	39	35	31	27
4	71	58	48	41	65	54	45	39	47	40	34	40	35	30	34	30	26	22
5	64	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	22	19	16
7	55	41	32	25	51	38	30	24	33	26	21	29	23	19	25	20	16	14
8	50	37	28	22	47	34	26	21	30	23	19	26	21	16	22	18	14	12
9	47	33	25	19	44	31	24	18	28	21	16	24	19	15	21	16	13	10
10	44	31	23	17	41	29	21	16	25	19	15	22	17	13	19	15	11	9

POLAR GRAPH



Maximum Candela = 1177 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.)