



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5935
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/08/14
[TEST DATE]08/08/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-WW-UE-ACF16FA
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]8626

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8626
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	84
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	4786	5377	4786
55	4482	5067	4505
65	4461	4945	4461
75	4558	4903	4616
85	5251	5370	5266

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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	798	798	798	798	798
2.5	799	800	800	800	799
5.0	815	817	820	820	817
7.5	826	830	833	830	827
10.0	843	844	848	844	839
12.5	855	858	860	856	851
15.0	866	875	878	875	864
17.5	885	899	898	897	885
20.0	905	924	922	925	910
22.5	926	956	951	955	931
25.0	941	972	974	974	948
27.5	958	993	996	991	962
30.0	974	1014	1022	1012	974
32.5	981	1031	1047	1031	984
35.0	954	1019	1055	1023	958
37.5	919	1001	1042	1004	931
40.0	899	978	1020	986	913
42.5	876	948	996	952	883
45.0	859	929	965	932	859
47.5	827	908	949	911	834
50.0	821	894	925	894	827
52.5	817	874	912	874	819
55.0	789	861	892	862	793
57.5	805	850	882	850	808
60.0	772	826	859	826	770
62.5	779	824	844	820	785
65.0	746	791	827	792	746
67.5	754	789	805	790	757
70.0	719	759	787	761	726
72.5	739	759	767	755	729
75.0	699	735	752	735	708
77.5	705	720	732	722	706
80.0	722	725	731	717	702
82.5	698	707	714	706	699
85.0	708	716	724	717	710
87.5	718	726	734	727	720
90.0	726	733	741	735	728
92.5	731	739	747	741	734
95.0	733	741	748	743	736
97.5	732	739	746	741	736
100.0	727	733	740	736	731
102.5	719	725	731	727	723
105.0	708	714	719	716	713
107.5	694	699	704	702	698
110.0	678	682	686	684	682
112.5	659	661	666	665	664
115.0	637	639	644	644	643
117.5	614	616	619	620	619
120.0	590	592	594	595	595
122.5	565	566	568	569	569
125.0	539	540	541	542	543
127.5	513	512	513	515	516
130.0	484	483	485	487	489
132.5	456	456	457	460	462

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CANDELA TABULATION - (Cont.)

135.0	429	429	429	433	434
137.5	402	401	401	404	406
140.0	375	375	374	376	379
142.5	348	347	346	348	350
145.0	322	320	319	321	323
147.5	295	294	294	295	297
150.0	271	269	270	271	273
152.5	248	247	247	249	250
155.0	227	226	226	226	227
157.5	209	208	208	208	209
160.0	193	193	193	192	193
162.5	179	178	178	178	178
165.0	165	165	164	165	164
167.5	151	151	151	152	151
170.0	138	137	139	139	139
172.5	127	128	131	131	132
175.0	116	120	121	122	123
177.5	112	106	107	107	108
180.0	94	94	94	94	94

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	328.38	N.A.	3.80
0-30	776.30	N.A.	9.00
0-40	1406.81	N.A.	16.30
0-60	2887.61	N.A.	33.50
0-80	4454.93	N.A.	51.60
0-90	5239.71	N.A.	60.70
10-90	5160.93	N.A.	59.80
20-40	1078.43	N.A.	12.50
20-50	1792.53	N.A.	20.80
40-70	2269.6	N.A.	26.30
60-80	1567.32	N.A.	18.20
70-80	778.52	N.A.	9.00
80-90	784.78	N.A.	9.10
90-110	1560.16	N.A.	18.10
90-120	2196.3	N.A.	25.50
90-130	2682.03	N.A.	31.10
90-150	3219.74	N.A.	37.30
90-180	3386.08	N.A.	39.30
110-180	1825.92	N.A.	21.20
0-180	8625.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.78
10-20	249.60
20-30	447.92
30-40	630.51
40-50	714.10
50-60	766.70
60-70	788.80
70-80	778.52
80-90	784.78
90-100	806.23
100-110	753.93
110-120	636.14
120-130	485.73
130-140	334.48
140-150	203.23
150-160	106.84
160-170	47.52
170-180	11.98

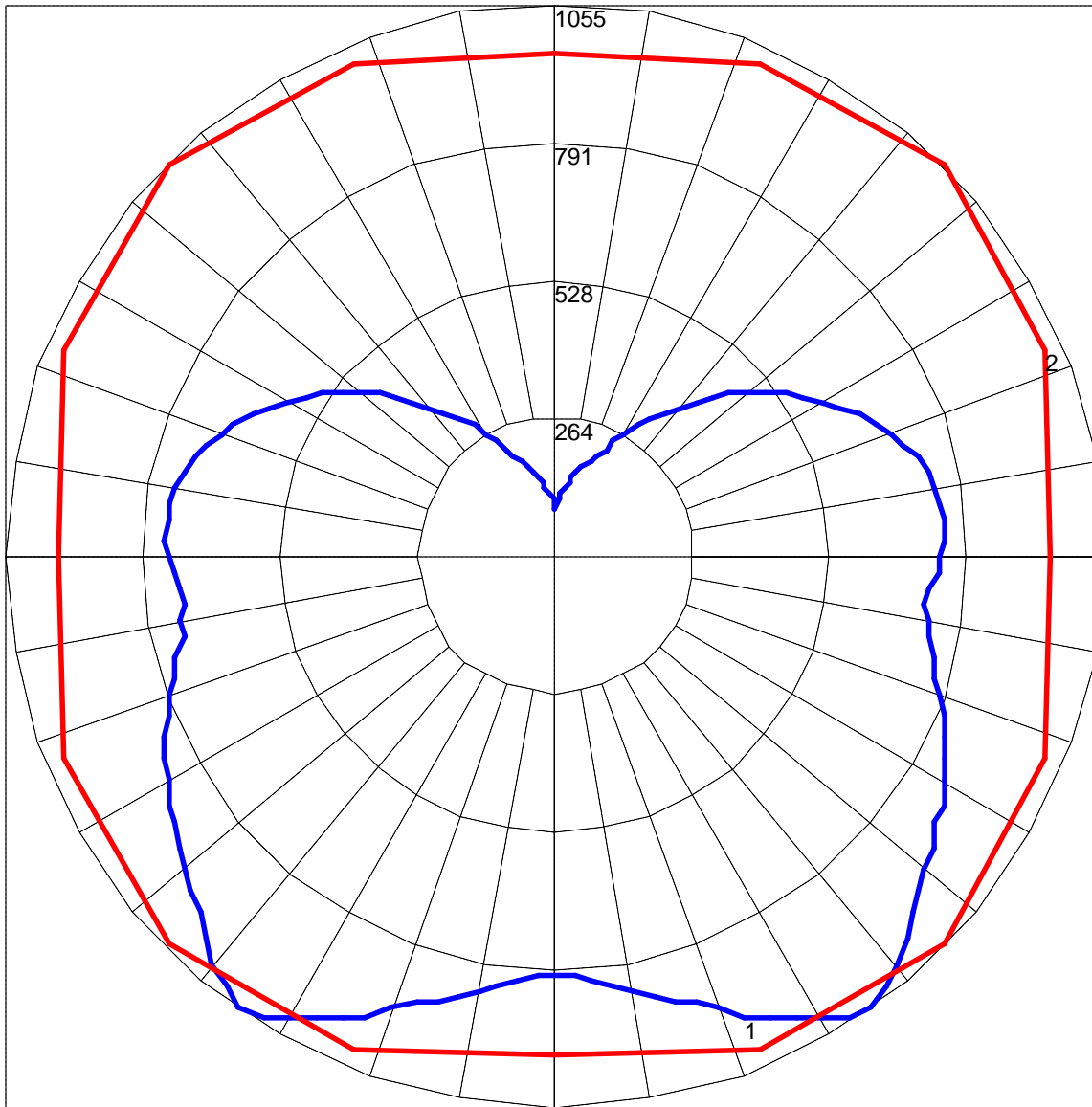
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	74	72	68	64	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	56	49	71	61	53	46	52	46	40	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	40	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	36	28	22	46	34	26	21	30	23	18	25	20	16	21	17	13	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 = 1055 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.)