



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5946
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/12/14
[TEST DATE]08/12/14
[MANUFACTURER]LSI INDUSTRIES
[LUMCAT]AU-LED-HO-CW-UE-ACF16
[[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[[_ABSOLUTE]LUMENS]9715

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9716
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	78.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.74
Spacing Criterion (90-270)	1.72
Spacing Criterion (Diagonal)	1.90
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	5867	6664	5867
55	5476	6232	5522
65	5441	6051	5363
75	5438	5953	5503
85	5637	5807	5666

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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	960	960	960	960	960
2.5	964	964	962	960	959
5.0	987	984	987	985	981
7.5	1004	1005	1009	1003	998
10.0	1024	1026	1027	1020	1014
12.5	1036	1041	1046	1040	1031
15.0	1052	1067	1072	1070	1054
17.5	1075	1094	1102	1103	1087
20.0	1101	1129	1135	1136	1112
22.5	1136	1170	1174	1172	1144
25.0	1155	1198	1200	1198	1161
27.5	1170	1219	1229	1223	1181
30.0	1189	1242	1259	1246	1197
32.5	1193	1267	1289	1267	1202
35.0	1173	1258	1300	1260	1185
37.5	1145	1240	1289	1233	1135
40.0	1113	1209	1258	1205	1093
42.5	1078	1174	1225	1171	1066
45.0	1053	1147	1196	1145	1053
47.5	1016	1117	1159	1116	1027
50.0	1007	1094	1144	1095	992
52.5	986	1070	1115	1076	984
55.0	964	1054	1097	1057	972
57.5	953	1034	1076	1037	964
60.0	939	1013	1057	1014	929
62.5	926	994	1034	1001	935
65.0	910	973	1012	974	897
67.5	893	953	988	961	906
70.0	877	932	966	933	881
72.5	856	904	932	912	868
75.0	834	883	913	886	844
77.5	810	847	866	850	819
80.0	811	836	856	838	798
82.5	774	791	796	781	763
85.0	760	771	783	775	764
87.5	763	773	785	776	766
90.0	764	775	786	777	766
92.5	767	777	789	780	769
95.0	767	777	787	778	768
97.5	762	771	781	772	762
100.0	754	762	772	763	753
102.5	743	750	758	750	741
105.0	728	735	742	736	727
107.5	711	717	724	718	710
110.0	692	697	703	697	691
112.5	670	674	679	675	668
115.0	647	651	654	650	644
117.5	623	625	627	623	619
120.0	597	598	599	596	593
122.5	569	570	570	569	567
125.0	541	541	541	541	539
127.5	512	512	511	512	512
130.0	483	483	481	483	484
132.5	456	454	452	452	453

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CANDELA TABULATION - (Cont.)

135.0	427	426	422	422	424
137.5	399	396	394	394	395
140.0	369	367	364	365	365
142.5	341	338	335	336	336
145.0	312	309	307	308	308
147.5	285	282	280	281	282
150.0	260	258	256	256	256
152.5	238	235	234	233	233
155.0	216	213	212	213	212
157.5	197	195	195	194	194
160.0	182	180	180	180	179
162.5	166	165	165	166	165
165.0	153	152	153	153	153
167.5	140	139	140	141	142
170.0	128	128	128	130	130
172.5	126	122	128	131	129
175.0	129	128	124	125	126
177.5	115	116	115	115	113
180.0	103	103	103	103	103

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	399.68	N.A.	4.10
0-30	950.14	N.A.	9.80
0-40	1726.05	N.A.	17.80
0-60	3539.31	N.A.	36.40
0-80	5426.95	N.A.	55.90
0-90	6282.33	N.A.	64.70
10-90	6187.17	N.A.	63.70
20-40	1326.37	N.A.	13.70
20-50	2203.71	N.A.	22.70
40-70	2773.59	N.A.	28.50
60-80	1887.64	N.A.	19.40
70-80	927.31	N.A.	9.50
80-90	855.38	N.A.	8.80
90-110	1620.46	N.A.	16.70
90-120	2265.16	N.A.	23.30
90-130	2750.96	N.A.	28.30
90-150	3276.47	N.A.	33.70
90-180	3433.22	N.A.	35.30
110-180	1812.76	N.A.	18.70
0-180	9715.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.16
10-20	304.52
20-30	550.46
30-40	775.91
40-50	877.34
50-60	935.92
60-70	960.33
70-80	927.31
80-90	855.38
90-100	844.66
100-110	775.80
110-120	644.70
120-130	485.80
130-140	329.68
140-150	195.83
150-160	100.66
160-170	44.16
170-180	11.93

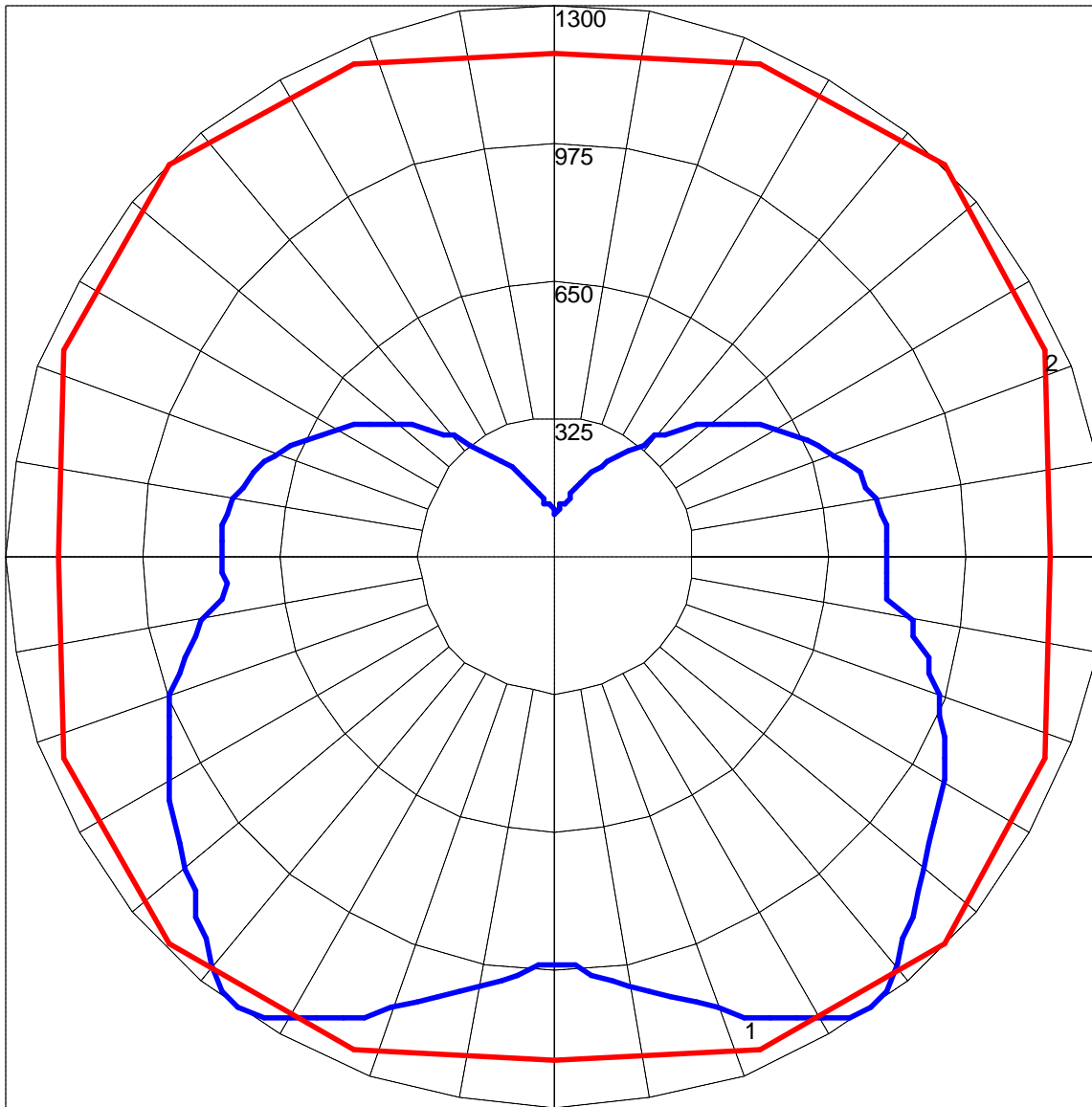
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	70	70	70	65
1	97	91	85	80	90	85	80	75	74	70	66	64	61	58	55	52	50	46
2	86	77	69	62	80	72	65	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	37	39	35	32	28
4	71	58	48	41	66	54	45	39	47	40	34	40	35	30	34	30	26	23
5	65	51	41	34	60	48	39	33	42	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	19	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 = 1300 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.)