



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5942
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]08/12/14
[TEST DATE]08/12/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-HO-NW-UE-ACF16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]9116

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9116
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	84
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.72
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	5399	6190	5455
55	5113	5817	5209
65	5029	5668	5100
75	5184	5627	5268
85	5362	5466	5318

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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	902	902	902	902	902
2.5	903	903	904	904	903
5.0	921	923	926	925	922
7.5	932	937	942	941	936
10.0	947	951	960	960	959
12.5	965	969	975	973	966
15.0	985	996	998	997	985
17.5	1012	1025	1028	1024	1007
20.0	1032	1052	1055	1058	1031
22.5	1066	1088	1090	1095	1062
25.0	1082	1109	1113	1116	1079
27.5	1099	1135	1138	1135	1092
30.0	1118	1156	1165	1150	1102
32.5	1118	1177	1197	1177	1122
35.0	1092	1167	1206	1168	1089
37.5	1052	1144	1195	1151	1059
40.0	1028	1120	1171	1124	1025
42.5	994	1087	1140	1093	996
45.0	969	1065	1111	1068	979
47.5	946	1037	1084	1039	955
50.0	949	1019	1063	1021	938
52.5	925	997	1042	1000	911
55.0	900	985	1024	988	917
57.5	907	972	1011	966	888
60.0	868	948	983	952	878
62.5	883	940	971	930	867
65.0	841	910	948	916	853
67.5	854	903	924	893	839
70.0	810	872	909	882	824
72.5	819	857	873	848	805
75.0	795	835	863	840	808
77.5	775	801	812	794	763
80.0	777	797	811	793	769
82.5	721	736	748	737	715
85.0	723	731	737	726	717
87.5	724	732	739	728	720
90.0	725	734	740	730	722
92.5	728	736	742	733	725
95.0	727	735	741	732	724
97.5	722	730	736	727	720
100.0	714	721	727	719	713
102.5	703	709	714	708	702
105.0	689	694	699	694	689
107.5	672	677	681	677	673
110.0	654	658	661	658	655
112.5	632	636	639	636	633
115.0	610	613	615	613	611
117.5	586	588	590	588	586
120.0	562	562	563	562	561
122.5	535	535	536	536	536
125.0	508	508	508	509	509
127.5	481	481	481	481	482
130.0	455	454	453	453	456
132.5	428	427	425	426	427

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CANDELA TABULATION - (Cont.)

135.0	401	400	398	398	399
137.5	375	373	370	371	372
140.0	348	346	343	344	346
142.5	319	318	316	317	319
145.0	293	291	290	291	293
147.5	268	267	265	266	268
150.0	245	244	242	243	243
152.5	224	222	221	221	222
155.0	204	202	201	201	202
157.5	187	186	185	185	186
160.0	173	172	172	171	172
162.5	160	158	158	158	158
165.0	148	147	146	147	146
167.5	136	136	137	135	134
170.0	129	130	128	128	123
172.5	122	122	120	120	123
175.0	112	111	111	112	115
177.5	95	97	98	99	103
180.0	85	85	85	85	85

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	373.14	N.A.	4.10
0-30	884.91	N.A.	9.70
0-40	1605.18	N.A.	17.60
0-60	3296.26	N.A.	36.20
0-80	5071.29	N.A.	55.60
0-90	5877.58	N.A.	64.50
10-90	5788.5	N.A.	63.50
20-40	1232.04	N.A.	13.50
20-50	2048.38	N.A.	22.50
40-70	2591.53	N.A.	28.40
60-80	1775.03	N.A.	19.50
70-80	874.58	N.A.	9.60
80-90	806.29	N.A.	8.80
90-110	1529.49	N.A.	16.80
90-120	2137.27	N.A.	23.40
90-130	2594.21	N.A.	28.50
90-150	3089.39	N.A.	33.90
90-180	3238.47	N.A.	35.50
110-180	1708.98	N.A.	18.70
0-180	9116.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.07
10-20	284.07
20-30	511.77
30-40	720.27
40-50	816.34
50-60	874.74
60-70	900.44
70-80	874.58
80-90	806.29
90-100	797.11
100-110	732.38
110-120	607.78
120-130	456.94
130-140	310.29
140-150	184.90
150-160	95.47
160-170	42.50
170-180	11.10

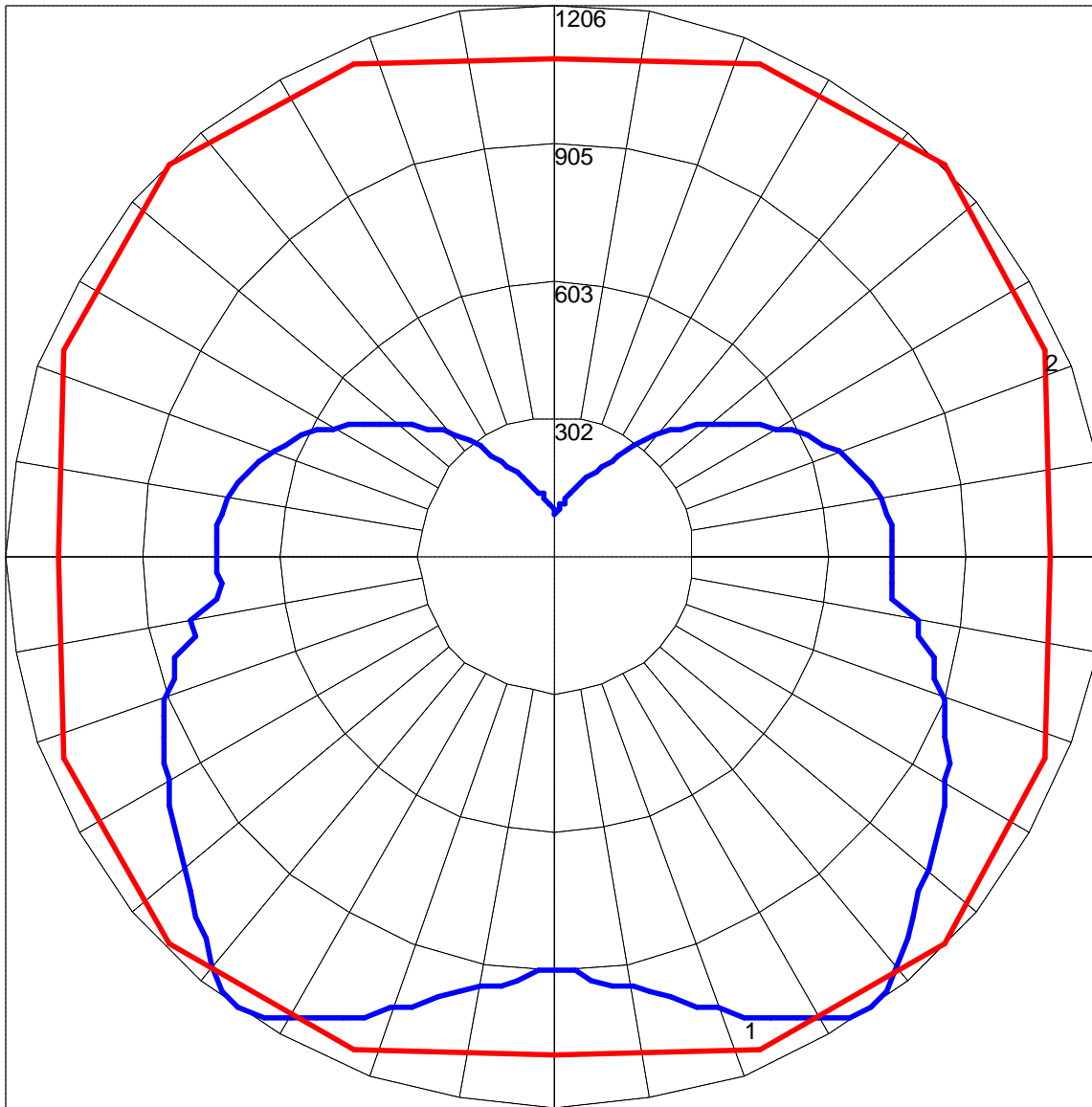
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	53	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	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	51	37	28	22	47	34	26	21	30	24	19	26	21	17	22	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 = 1206 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.)