



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-850-R22AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12706
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-850-R22AD
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Interior
 [SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30318
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.67 ft



AUL R22

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	30700	30365	30117
55	16238	16520	17007
65	7918	7908	7918
75	7530	7564	7616
85	6812	6871	6938

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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	11273	11273	11273	11273	11273
2.5	11263	11274	11292	11321	11340
5.0	11302	11310	11327	11350	11373
7.5	11312	11321	11340	11363	11387
10.0	11301	11310	11324	11357	11378
12.5	11227	11230	11252	11280	11314
15.0	11060	11066	11113	11124	11146
17.5	10850	10882	10920	10945	10971
20.0	10600	10635	10698	10743	10777
22.5	10297	10355	10409	10471	10486
25.0	10058	10092	10141	10176	10202
27.5	9834	9859	9892	9916	9942
30.0	9603	9618	9644	9663	9674
32.5	9354	9364	9385	9400	9407
35.0	9085	9097	9113	9126	9129
37.5	8822	8835	8835	8852	8863
40.0	8573	8580	8589	8604	8614
42.5	8323	8314	8319	8292	8288
45.0	7796	7756	7711	7655	7648
47.5	6815	6811	6762	6719	6685
50.0	5646	5659	5664	5638	5634
52.5	4632	4646	4676	4701	4672
55.0	3798	3833	3864	3935	3978
57.5	2921	2954	3034	3085	3146
60.0	1988	2045	2121	2170	2202
62.5	1643	1655	1681	1699	1718
65.0	1637	1636	1635	1634	1637
67.5	1587	1586	1589	1589	1593
70.0	1507	1509	1513	1516	1520
72.5	1412	1414	1416	1421	1424
75.0	1305	1308	1311	1318	1320
77.5	1200	1203	1207	1209	1212
80.0	1103	1106	1108	1111	1115
82.5	1010	1010	1013	1018	1022
85.0	917	921	925	931	934
87.5	835	834	840	848	851
90.0	757	760	764	772	778
92.5	702	704	708	712	715
95.0	653	655	659	663	666
97.5	607	610	613	616	617
100.0	566	568	570	573	575
102.5	528	529	531	534	536
105.0	492	493	496	499	500
107.5	460	461	464	467	468
110.0	433	434	435	438	439
112.5	408	409	411	412	412
115.0	386	387	388	388	389
117.5	367	368	368	368	369
120.0	349	350	350	350	350
122.5	333	334	333	334	334
125.0	319	319	319	319	319
127.5	306	306	306	306	306
130.0	294	294	294	294	294
132.5	284	284	283	283	282

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CANDELA TABULATION - (Cont.)

135.0	274	274	273	272	272
137.5	265	265	264	263	263
140.0	256	255	255	254	254
142.5	247	246	246	246	246
145.0	240	238	237	238	238
147.5	232	231	230	231	231
150.0	226	225	224	225	225
152.5	220	218	216	218	218
155.0	213	212	209	210	210
157.5	207	206	203	203	203
160.0	200	201	198	196	196
162.5	195	196	193	189	189
165.0	189	188	186	183	181
167.5	182	182	180	178	174
170.0	177	177	176	174	172
172.5	173	173	172	171	171
175.0	169	169	169	169	169
177.5	165	165	166	165	165
180.0	158	158	158	158	158

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4210.38	N.A.	13.90
0-30	8893.87	N.A.	29.30
0-40	14605.4	N.A.	48.20
0-60	23799.57	N.A.	78.50
0-80	26848.73	N.A.	88.60
0-90	27862.51	N.A.	91.90
10-90	26781.00	N.A.	88.30
20-40	10395.02	N.A.	34.30
20-50	16152.39	N.A.	53.30
40-70	10857.32	N.A.	35.80
60-80	3049.16	N.A.	10.10
70-80	1386.01	N.A.	4.60
80-90	1013.78	N.A.	3.30
90-110	1250.61	N.A.	4.10
90-120	1638.00	N.A.	5.40
90-130	1925.69	N.A.	6.40
90-150	2288.36	N.A.	7.50
90-180	2455.8	N.A.	8.10
110-180	1205.19	N.A.	4.00
0-180	30318.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1081.51
10-20	3128.88
20-30	4683.48
30-40	5711.54
40-50	5757.38
50-60	3436.79
60-70	1663.15
70-80	1386.01
80-90	1013.78
90-100	722.57
100-110	528.04
110-120	387.40
120-130	287.69
130-140	212.34
140-150	150.32
150-160	98.05
160-170	53.10
170-180	16.29

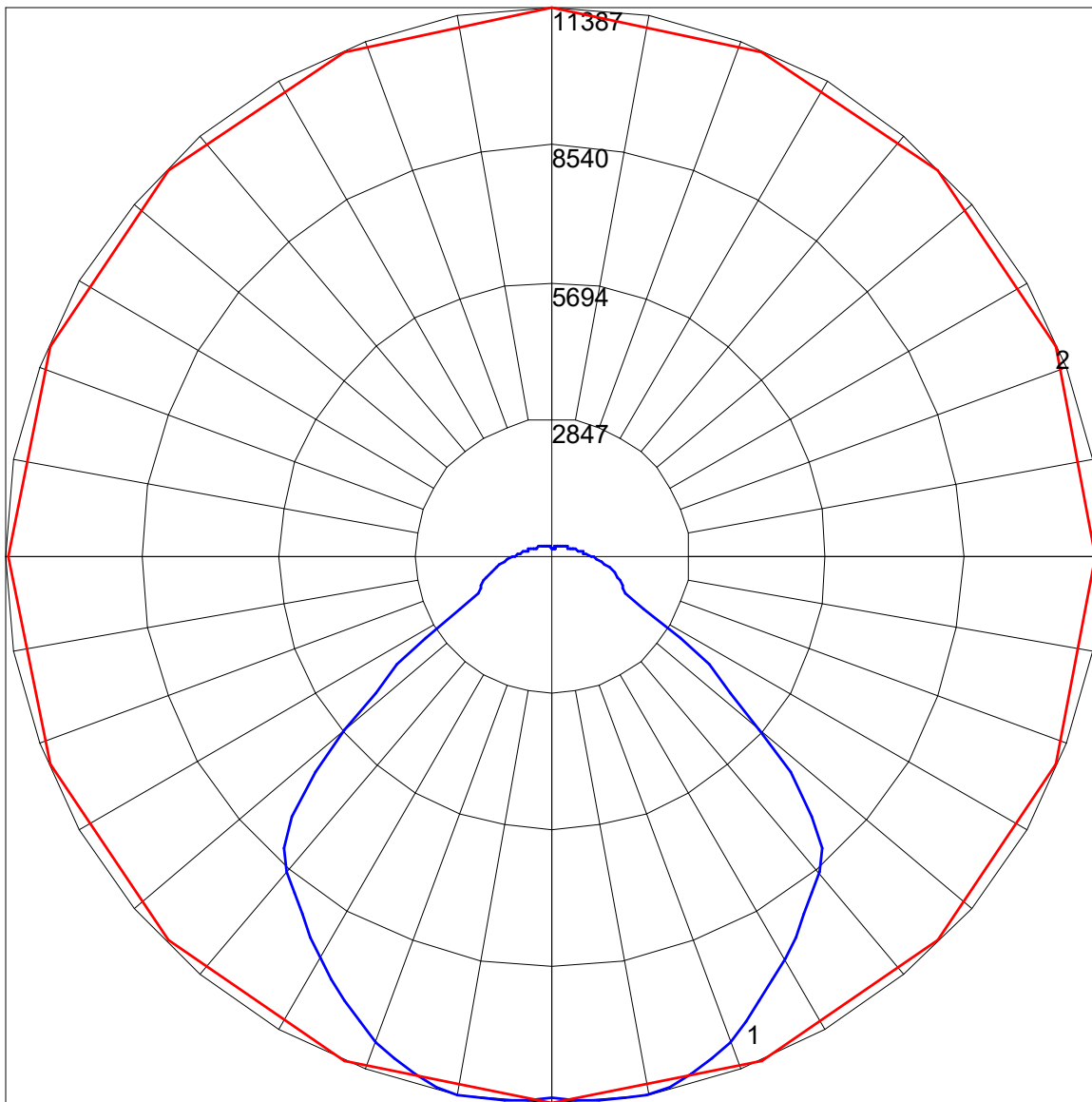
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	107	103	99	95	104	100	96	93	94	91	88	89	86	84	84	82	80	78
2	99	91	85	79	95	88	83	78	83	79	75	79	75	72	75	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	67	63	60	57
4	83	72	64	58	81	71	63	57	67	61	56	64	58	54	61	56	52	50
5	77	65	57	51	75	64	56	50	61	54	49	58	52	47	55	50	46	44
6	71	59	51	45	69	58	50	44	55	48	43	53	47	42	50	45	41	39
7	66	54	45	40	64	53	45	39	50	43	38	48	42	38	46	41	37	35
8	62	49	41	36	60	48	40	35	46	39	35	44	38	34	43	37	33	31
9	58	45	37	32	56	44	37	32	43	36	31	41	35	31	39	34	30	28
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26

POLAR GRAPH



Maximum Candela = 11387 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)