



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-850-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-850-R22AW
 [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	30334
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
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	34035	34039	33657
55	17845	17768	17726
65	6752	6772	6805
75	5527	5504	5516
85	2949	2957	3023

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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	12171	12171	12171	12171	12171
2.5	12190	12191	12199	12204	12199
5.0	12242	12243	12255	12255	12246
7.5	12278	12280	12288	12285	12284
10.0	12283	12288	12301	12298	12294
12.5	12223	12238	12241	12254	12250
15.0	12100	12109	12113	12114	12114
17.5	11943	11939	11941	11954	11960
20.0	11757	11740	11744	11775	11764
22.5	11522	11478	11493	11522	11495
25.0	11267	11249	11246	11260	11254
27.5	11046	11033	11028	11036	11033
30.0	10812	10805	10801	10800	10800
32.5	10544	10540	10544	10538	10539
35.0	10259	10255	10256	10249	10248
37.5	9960	9946	9955	9949	9946
40.0	9647	9645	9648	9651	9649
42.5	9311	9309	9295	9318	9340
45.0	8643	8647	8644	8616	8547
47.5	7592	7559	7539	7521	7494
50.0	6294	6302	6259	6215	6294
52.5	5131	5148	5119	5081	5095
55.0	4174	4163	4156	4181	4146
57.5	3121	3111	3156	3165	3176
60.0	2012	1969	2022	2053	2084
62.5	1487	1489	1498	1503	1493
65.0	1396	1398	1400	1404	1407
67.5	1300	1302	1304	1308	1306
70.0	1195	1196	1197	1196	1200
72.5	1081	1082	1083	1078	1079
75.0	958	960	954	955	956
77.5	822	824	824	825	826
80.0	688	687	689	690	691
82.5	548	543	546	551	552
85.0	397	398	398	403	407
87.5	249	250	250	251	251
90.0	142	141	139	137	134
92.5	138	138	138	138	138
95.0	144	144	144	144	144
97.5	150	150	150	150	150
100.0	156	156	155	155	155
102.5	161	161	161	160	160
105.0	166	166	166	165	165
107.5	171	170	170	170	170
110.0	175	175	175	175	174
112.5	179	179	179	179	179
115.0	182	182	183	182	183
117.5	186	186	186	186	186
120.0	189	189	189	188	189
122.5	192	192	191	191	191
125.0	194	194	194	194	194
127.5	195	196	195	195	196
130.0	197	197	197	197	197
132.5	199	199	199	198	199

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CANDELA TABULATION - (Cont.)

135.0	200	200	200	199	199
137.5	201	201	200	200	200
140.0	201	201	201	201	201
142.5	200	201	201	201	201
145.0	200	201	201	200	201
147.5	199	200	201	200	200
150.0	198	199	200	199	199
152.5	196	197	197	197	197
155.0	195	195	195	194	195
157.5	193	192	192	192	192
160.0	191	190	189	189	189
162.5	189	188	187	186	186
165.0	185	183	183	181	181
167.5	180	178	178	176	176
170.0	174	174	173	173	172
172.5	169	169	170	170	170
175.0	163	164	166	166	166
177.5	157	158	160	161	161
180.0	152	152	152	152	152

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4587.03	N.A.	15.10
0-30	9789.26	N.A.	32.30
0-40	16209.41	N.A.	53.40
0-60	26327.95	N.A.	86.80
0-80	28769.74	N.A.	94.80
0-90	29208.64	N.A.	96.30
10-90	28038.08	N.A.	92.40
20-40	11622.38	N.A.	38.30
20-50	18059.62	N.A.	59.50
40-70	11556.15	N.A.	38.10
60-80	2441.79	N.A.	8.00
70-80	1004.17	N.A.	3.30
80-90	438.90	N.A.	1.40
90-110	332.80	N.A.	1.10
90-120	513.66	N.A.	1.70
90-130	687.11	N.A.	2.30
90-150	967.45	N.A.	3.20
90-180	1125.48	N.A.	3.70
110-180	792.68	N.A.	2.60
0-180	30334.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1170.56
10-20	3416.47
20-30	5202.23
30-40	6420.15
40-50	6437.24
50-60	3681.3
60-70	1437.62
70-80	1004.17
80-90	438.90
90-100	157.92
100-110	174.88
110-120	180.86
120-130	173.45
130-140	154.41
140-150	125.93
150-160	90.16
160-170	51.88
170-180	15.99

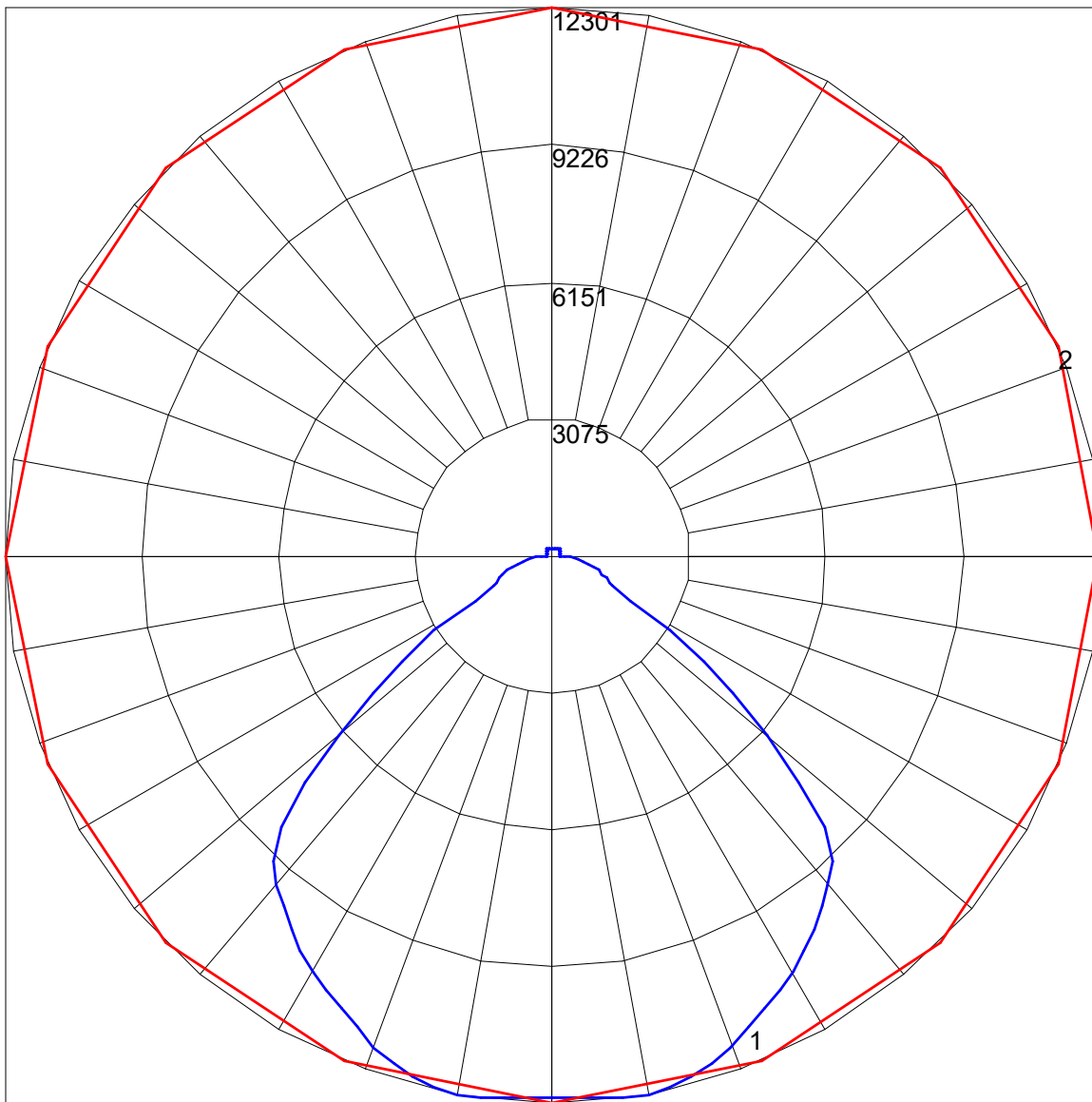
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	88	86	84
2	101	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	72
3	93	84	77	71	90	82	75	70	79	73	68	75	71	67	73	69	65	63
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55
5	79	68	60	54	77	67	59	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	50	43	38	49	42	37	47	41	37	46	40	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 12301 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)