



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-30L-S-840-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 05/25/21
 [TEST DATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30400
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	34114	34118	33736
55	17884	17807	17764
65	6767	6786	6820
75	5539	5516	5527
85	2957	2964	3031

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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	12198	12198	12198	12198	12198
2.5	12218	12219	12227	12232	12227
5.0	12270	12271	12283	12283	12274
7.5	12306	12308	12316	12313	12312
10.0	12311	12316	12329	12326	12322
12.5	12251	12266	12269	12282	12278
15.0	12127	12136	12140	12141	12141
17.5	11970	11966	11968	11981	11987
20.0	11784	11767	11771	11802	11791
22.5	11548	11504	11519	11548	11521
25.0	11293	11274	11271	11286	11279
27.5	11071	11058	11053	11061	11058
30.0	10837	10830	10826	10825	10825
32.5	10568	10564	10568	10562	10563
35.0	10282	10278	10279	10272	10271
37.5	9983	9969	9978	9972	9969
40.0	9669	9667	9670	9673	9671
42.5	9332	9330	9316	9339	9361
45.0	8663	8667	8664	8636	8567
47.5	7610	7576	7556	7538	7511
50.0	6309	6317	6274	6230	6309
52.5	5143	5160	5131	5093	5107
55.0	4183	4172	4165	4190	4155
57.5	3128	3118	3163	3172	3183
60.0	2016	1973	2026	2057	2089
62.5	1490	1492	1501	1506	1496
65.0	1399	1401	1403	1407	1410
67.5	1303	1305	1307	1311	1309
70.0	1198	1199	1200	1199	1203
72.5	1083	1084	1085	1080	1081
75.0	960	962	956	957	958
77.5	824	826	826	827	828
80.0	689	688	691	692	693
82.5	549	544	547	552	553
85.0	398	399	399	404	408
87.5	250	251	251	252	252
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	4597.44	N.A.	15.10
0-30	9811.49	N.A.	32.30
0-40	16246.29	N.A.	53.40
0-60	26387.92	N.A.	86.80
0-80	28835.02	N.A.	94.90
0-90	29274.96	N.A.	96.30
10-90	28101.73	N.A.	92.40
20-40	11648.85	N.A.	38.30
20-50	18100.85	N.A.	59.50
40-70	11582.36	N.A.	38.10
60-80	2447.1	N.A.	8.00
70-80	1006.37	N.A.	3.30
80-90	439.94	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	30400.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1173.23
10-20	3424.21
20-30	5214.05
30-40	6434.8
40-50	6452.00
50-60	3689.63
60-70	1440.73
70-80	1006.37
80-90	439.94
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

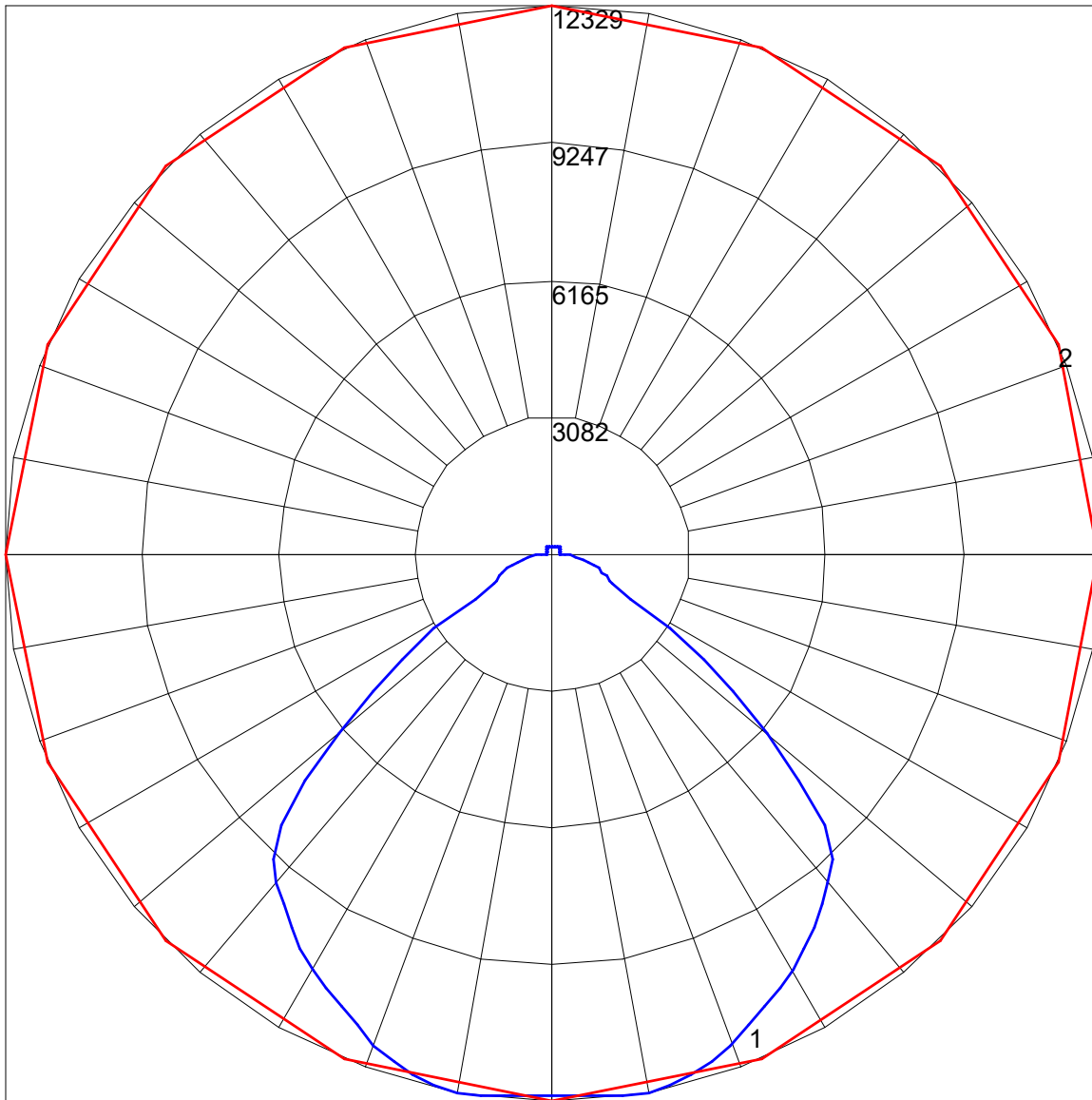
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	73
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	43	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 = 12329 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.)