



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-840-R16AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12708
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-840-R16AW
 [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	29737
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.30 ft (Diameter)
Luminous Width (90-270)	1.30 ft (Diameter)
Luminous Height	0.70 ft



AUL R16

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	37781	38630	39711
55	17236	17743	17978
65	14388	14505	14621
75	10600	10670	10652
85	6912	6943	7038

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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	11536	11536	11536	11536	11536
2.5	11527	11538	11555	11576	11597
5.0	11582	11637	11727	11826	11849
7.5	11724	11828	11997	12069	12148
10.0	12119	12072	12176	12279	12315
12.5	12093	12286	12348	12456	12339
15.0	12300	12355	12382	12450	12422
17.5	12108	12248	12339	12358	12356
20.0	12185	12156	12245	12278	12253
22.5	11870	11913	11976	12021	12097
25.0	11675	11725	11804	11838	11840
27.5	11506	11565	11641	11666	11658
30.0	11343	11291	11196	11159	11142
32.5	10753	10730	10601	10498	10442
35.0	9793	9765	9693	9567	9501
37.5	8377	8374	8363	8296	8227
40.0	7196	7164	7240	7229	7199
42.5	6330	6353	6391	6449	6494
45.0	5558	5615	5683	5766	5842
47.5	4806	4849	4926	5039	5102
50.0	3890	3928	4029	4176	4194
52.5	2921	2992	3127	3193	3224
55.0	2415	2443	2486	2513	2519
57.5	2313	2324	2339	2359	2367
60.0	2185	2190	2203	2220	2228
62.5	2016	2020	2037	2051	2057
65.0	1854	1851	1869	1879	1884
67.5	1679	1684	1694	1702	1710
70.0	1517	1520	1526	1536	1535
72.5	1359	1362	1367	1368	1374
75.0	1205	1208	1213	1210	1211
77.5	1054	1057	1054	1058	1060
80.0	914	913	914	918	919
82.5	777	780	784	788	789
85.0	657	653	660	664	669
87.5	539	541	544	551	555
90.0	468	469	472	475	477
92.5	480	481	484	487	489
95.0	491	493	496	499	501
97.5	502	503	506	509	511
100.0	511	512	515	518	520
102.5	519	520	523	526	528
105.0	526	527	530	533	534
107.5	532	533	536	538	539
110.0	536	537	540	543	544
112.5	539	540	543	546	547
115.0	541	541	544	547	548
117.5	541	541	543	546	548
120.0	539	540	541	545	546
122.5	536	537	539	542	543
125.0	533	533	535	537	539
127.5	527	528	529	531	533
130.0	521	522	523	525	527
132.5	515	515	517	518	520

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CANDELA TABULATION - (Cont.)

135.0	508	508	509	511	513
137.5	498	498	500	502	503
140.0	488	488	489	491	492
142.5	476	477	478	480	481
145.0	465	466	467	468	469
147.5	453	453	455	456	456
150.0	438	440	441	440	441
152.5	421	425	425	424	426
155.0	404	409	409	407	408
157.5	384	390	390	388	388
160.0	366	374	374	372	371
162.5	346	355	357	353	352
165.0	328	335	337	333	330
167.5	309	313	315	312	307
170.0	286	289	291	288	279
172.5	260	261	261	257	252
175.0	223	224	224	225	224
177.5	184	188	191	194	193
180.0	172	172	172	172	172

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4622.15	N.A.	15.50
0-30	10059.34	N.A.	33.80
0-40	15947.8	N.A.	53.60
0-60	22763.63	N.A.	76.50
0-80	25892.44	N.A.	87.10
0-90	26623.74	N.A.	89.50
10-90	25489.12	N.A.	85.70
20-40	11325.65	N.A.	38.10
20-50	15680.5	N.A.	52.70
40-70	8663.42	N.A.	29.10
60-80	3128.81	N.A.	10.50
70-80	1281.22	N.A.	4.30
80-90	731.30	N.A.	2.50
90-110	1099.61	N.A.	3.70
90-120	1638.54	N.A.	5.50
90-130	2118.00	N.A.	7.10
90-150	2805.46	N.A.	9.40
90-180	3113.42	N.A.	10.50
110-180	2013.81	N.A.	6.80
0-180	29737.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1134.62
10-20	3487.54
20-30	5437.19
30-40	5888.46
40-50	4354.84
50-60	2460.98
60-70	1847.6
70-80	1281.22
80-90	731.30
90-100	539.99
100-110	559.62
110-120	538.93
120-130	479.46
130-140	393.99
140-150	293.46
150-160	189.18
160-170	95.38
170-180	23.40

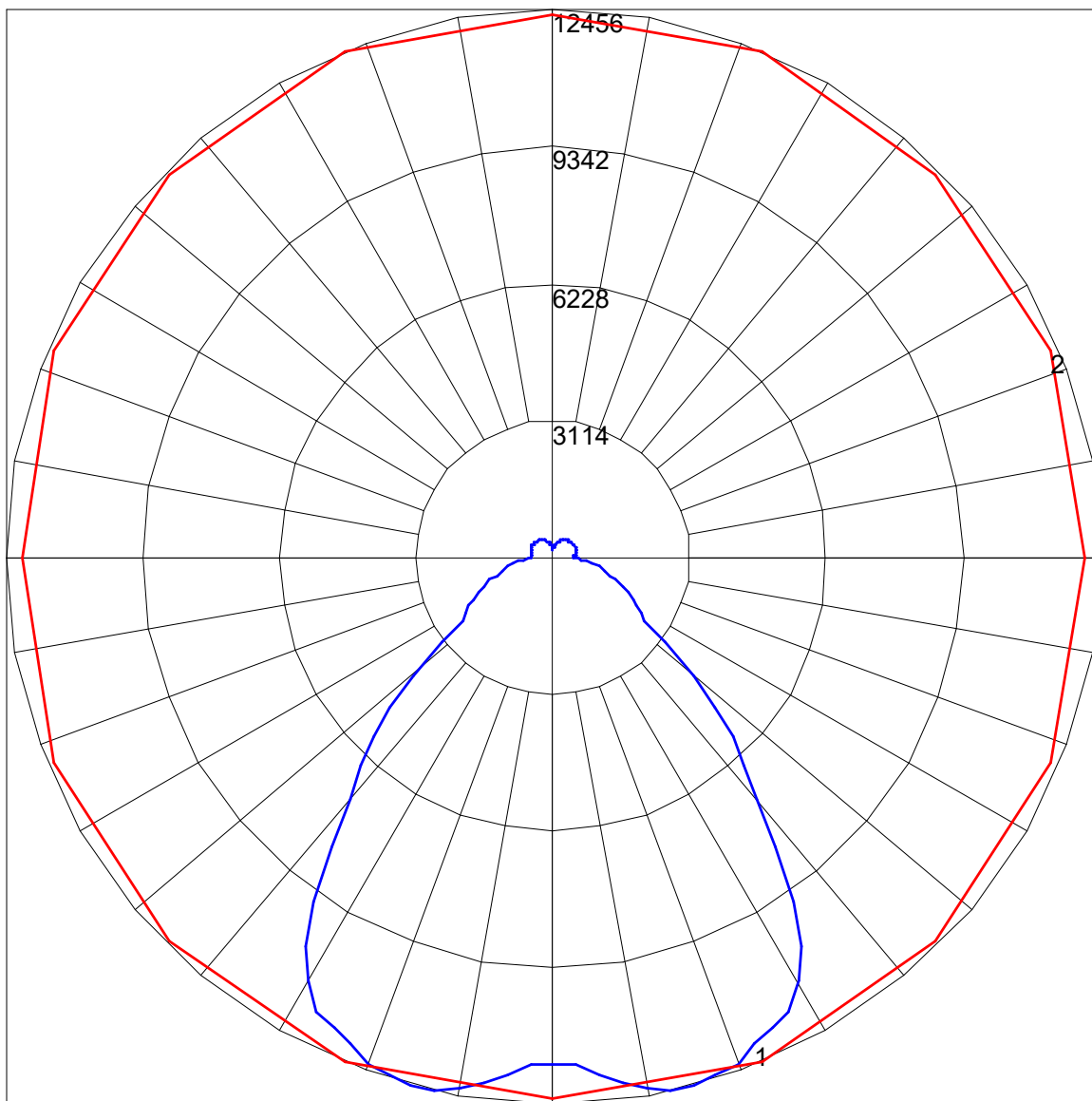
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	99	99	99	92	92	92	90
1	107	103	99	96	104	100	96	93	94	91	88	88	86	84	83	81	79	77
2	99	92	85	80	95	89	83	79	84	79	75	79	75	72	75	72	69	66
3	91	82	75	69	88	80	73	68	75	70	65	71	67	63	67	64	60	58
4	84	74	66	60	81	72	65	59	68	62	57	65	59	55	61	57	53	51
5	78	67	59	53	76	65	58	52	62	55	51	59	53	49	56	51	48	45
6	73	61	53	47	70	59	52	46	57	50	45	54	48	44	52	47	43	41
7	68	56	48	42	66	54	47	42	52	45	41	50	44	40	48	42	39	37
8	63	51	43	38	61	50	43	38	48	41	37	46	40	36	44	39	35	33
9	59	47	40	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	38	33	29	28

POLAR GRAPH



Maximum Candela = 12456 Located At Horizontal Angle = 67.5, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)