



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-18L-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-18L-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	17932
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	111
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	18158	17957	17811
55	9602	9769	10060
65	4687	4677	4687
75	4454	4472	4506
85	4026	4063	4101

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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	6667	6667	6667	6667	6667
2.5	6661	6667	6678	6695	6706
5.0	6684	6689	6699	6712	6726
7.5	6690	6695	6706	6720	6734
10.0	6683	6689	6697	6716	6729
12.5	6639	6641	6654	6671	6691
15.0	6541	6545	6573	6579	6592
17.5	6417	6436	6459	6473	6489
20.0	6269	6290	6327	6353	6374
22.5	6089	6124	6156	6193	6202
25.0	5948	5968	5997	6018	6033
27.5	5816	5831	5850	5864	5880
30.0	5680	5689	5704	5715	5722
32.5	5532	5538	5550	5559	5563
35.0	5373	5380	5390	5397	5399
37.5	5217	5225	5225	5235	5241
40.0	5070	5074	5079	5088	5094
42.5	4923	4917	4920	4904	4902
45.0	4611	4587	4560	4527	4523
47.5	4031	4028	3999	3974	3954
50.0	3339	3347	3350	3334	3332
52.5	2739	2747	2765	2780	2763
55.0	2246	2267	2285	2327	2353
57.5	1728	1747	1795	1825	1861
60.0	1175	1209	1254	1283	1302
62.5	972	979	995	1005	1017
65.0	969	968	967	967	969
67.5	939	938	940	940	942
70.0	891	892	895	897	899
72.5	835	836	837	840	842
75.0	772	774	775	780	781
77.5	710	712	714	715	717
80.0	652	654	655	657	659
82.5	597	597	599	602	604
85.0	542	544	547	550	552
87.5	494	493	497	501	503
90.0	447	449	452	456	460
92.5	415	416	419	421	423
95.0	386	388	390	391	393
97.5	359	361	363	365	365
100.0	335	336	337	339	340
102.5	313	313	314	316	317
105.0	291	292	294	295	296
107.5	272	273	275	277	277
110.0	256	257	258	259	260
112.5	242	242	243	244	244
115.0	229	229	230	230	230
117.5	217	218	218	218	219
120.0	207	207	207	207	207
122.5	197	198	197	198	198
125.0	189	189	189	189	189
127.5	181	181	181	181	181
130.0	174	174	174	174	174
132.5	168	168	168	168	167

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CANDELA TABULATION - (Cont.)

135.0	162	162	162	161	161
137.5	157	157	157	156	156
140.0	152	151	151	151	151
142.5	147	146	146	146	146
145.0	142	141	141	141	141
147.5	138	137	136	137	137
150.0	134	133	132	133	133
152.5	130	129	128	129	129
155.0	126	125	123	124	124
157.5	122	122	120	120	120
160.0	118	119	117	116	116
162.5	115	116	114	112	112
165.0	112	111	110	108	107
167.5	108	108	106	105	103
170.0	105	105	104	103	102
172.5	102	102	102	101	101
175.0	100	100	100	100	100
177.5	97	97	98	97	97
180.0	93	93	93	93	93

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2490.07	N.A.	13.90
0-30	5259.91	N.A.	29.30
0-40	8637.71	N.A.	48.20
0-60	14075.19	N.A.	78.50
0-80	15878.74	N.A.	88.60
0-90	16478.02	N.A.	91.90
10-90	15838.42	N.A.	88.30
20-40	6147.65	N.A.	34.30
20-50	9552.62	N.A.	53.30
40-70	6421.31	N.A.	35.80
60-80	1803.56	N.A.	10.10
70-80	819.72	N.A.	4.60
80-90	599.27	N.A.	3.30
90-110	739.90	N.A.	4.10
90-120	969.30	N.A.	5.40
90-130	1139.62	N.A.	6.40
90-150	1354.59	N.A.	7.60
90-180	1453.57	N.A.	8.10
110-180	713.67	N.A.	4.00
0-180	17931.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	639.59
10-20	1850.47
20-30	2769.84
30-40	3377.8
40-50	3404.97
50-60	2032.5
60-70	983.84
70-80	819.72
80-90	599.27
90-100	427.33
100-110	312.57
110-120	229.40
120-130	170.32
130-140	125.83
140-150	89.13
150-160	57.95
160-170	31.40
170-180	9.63

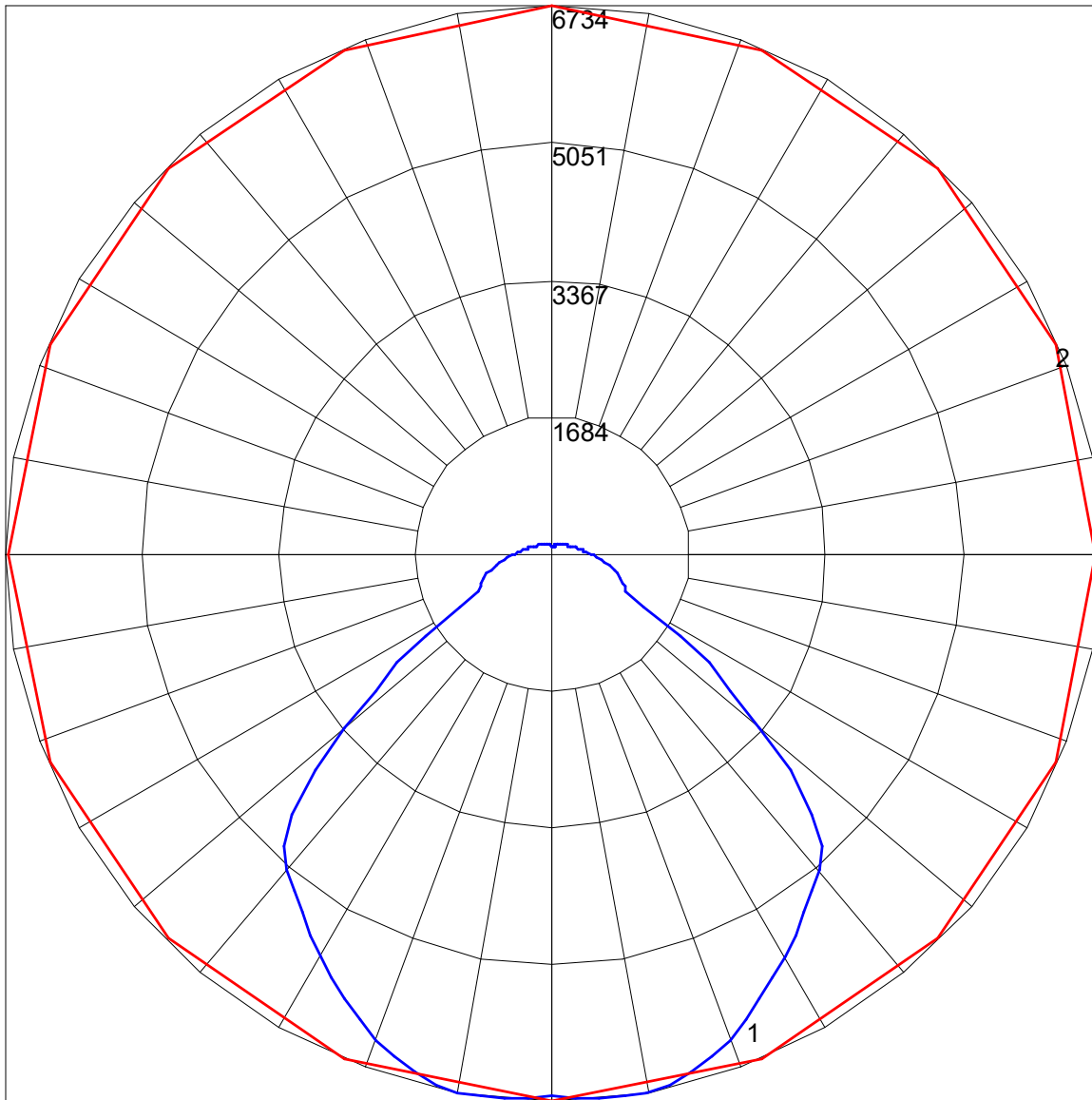
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6734 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.)