



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-830-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-830-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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	27949
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35510	36305	37325
55	16201	16679	16901
65	13527	13635	13744
75	9966	10028	10010
85	6491	6522	6617

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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	10842	10842	10842	10842	10842
2.5	10834	10844	10860	10880	10900
5.0	10886	10937	11022	11115	11137
7.5	11019	11117	11276	11343	11418
10.0	11390	11346	11444	11541	11575
12.5	11366	11547	11606	11707	11597
15.0	11560	11612	11638	11701	11675
17.5	11380	11512	11597	11615	11613
20.0	11452	11425	11509	11540	11516
22.5	11156	11197	11256	11298	11370
25.0	10973	11020	11094	11126	11128
27.5	10814	10870	10941	10965	10957
30.0	10661	10612	10523	10488	10472
32.5	10106	10085	9964	9867	9814
35.0	9204	9178	9110	8992	8930
37.5	7873	7870	7860	7797	7732
40.0	6763	6733	6805	6794	6766
42.5	5949	5971	6007	6061	6104
45.0	5224	5277	5341	5419	5491
47.5	4517	4557	4630	4736	4795
50.0	3656	3692	3787	3925	3942
52.5	2745	2812	2939	3001	3030
55.0	2270	2296	2337	2362	2368
57.5	2174	2184	2198	2217	2225
60.0	2054	2058	2071	2087	2094
62.5	1895	1899	1915	1928	1933
65.0	1743	1740	1757	1766	1771
67.5	1578	1583	1592	1600	1607
70.0	1426	1429	1434	1444	1443
72.5	1277	1280	1285	1286	1291
75.0	1133	1135	1140	1137	1138
77.5	991	993	991	994	996
80.0	859	858	859	863	864
82.5	730	733	737	741	742
85.0	617	614	620	624	629
87.5	507	508	511	518	522
90.0	440	441	444	446	448
92.5	451	452	455	458	460
95.0	461	463	466	469	471
97.5	472	473	476	478	480
100.0	480	481	484	487	489
102.5	488	489	492	494	496
105.0	494	495	498	501	502
107.5	500	501	504	506	507
110.0	504	505	508	510	511
112.5	507	508	510	513	514
115.0	508	508	511	514	515
117.5	508	508	510	513	515
120.0	507	508	508	512	513
122.5	504	505	507	509	510
125.0	501	501	503	505	507
127.5	495	496	497	499	501
130.0	490	491	492	493	495
132.5	484	484	486	487	489

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CANDELA TABULATION - (Cont.)

135.0	477	477	478	480	482
137.5	468	468	470	472	473
140.0	459	459	460	461	462
142.5	447	448	449	451	452
145.0	437	438	439	440	441
147.5	426	426	428	429	429
150.0	412	414	414	414	414
152.5	396	399	399	399	400
155.0	380	384	384	383	383
157.5	361	367	367	365	365
160.0	344	352	352	350	349
162.5	325	334	336	332	331
165.0	308	315	317	313	310
167.5	290	294	296	293	289
170.0	269	272	274	271	262
172.5	244	245	245	242	237
175.0	210	211	211	211	211
177.5	173	177	180	182	181
180.0	162	162	162	162	162

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4344.25	N.A.	15.50
0-30	9454.53	N.A.	33.80
0-40	14988.9	N.A.	53.60
0-60	21394.89	N.A.	76.50
0-80	24335.75	N.A.	87.10
0-90	25023.08	N.A.	89.50
10-90	23956.68	N.A.	85.70
20-40	10644.65	N.A.	38.10
20-50	14737.6	N.A.	52.70
40-70	8142.7	N.A.	29.10
60-80	2940.86	N.A.	10.50
70-80	1204.15	N.A.	4.30
80-90	687.33	N.A.	2.50
90-110	1033.54	N.A.	3.70
90-120	1539.93	N.A.	5.50
90-130	1990.59	N.A.	7.10
90-150	2636.72	N.A.	9.40
90-180	2926.26	N.A.	10.50
110-180	1892.72	N.A.	6.80
0-180	27949.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1066.4
10-20	3277.85
20-30	5110.28
30-40	5534.37
40-50	4092.95
50-60	2313.04
60-70	1736.71
70-80	1204.15
80-90	687.33
90-100	507.51
100-110	526.02
110-120	506.40
120-130	450.66
130-140	370.28
140-150	275.85
150-160	177.84
160-170	89.69
170-180	22.00

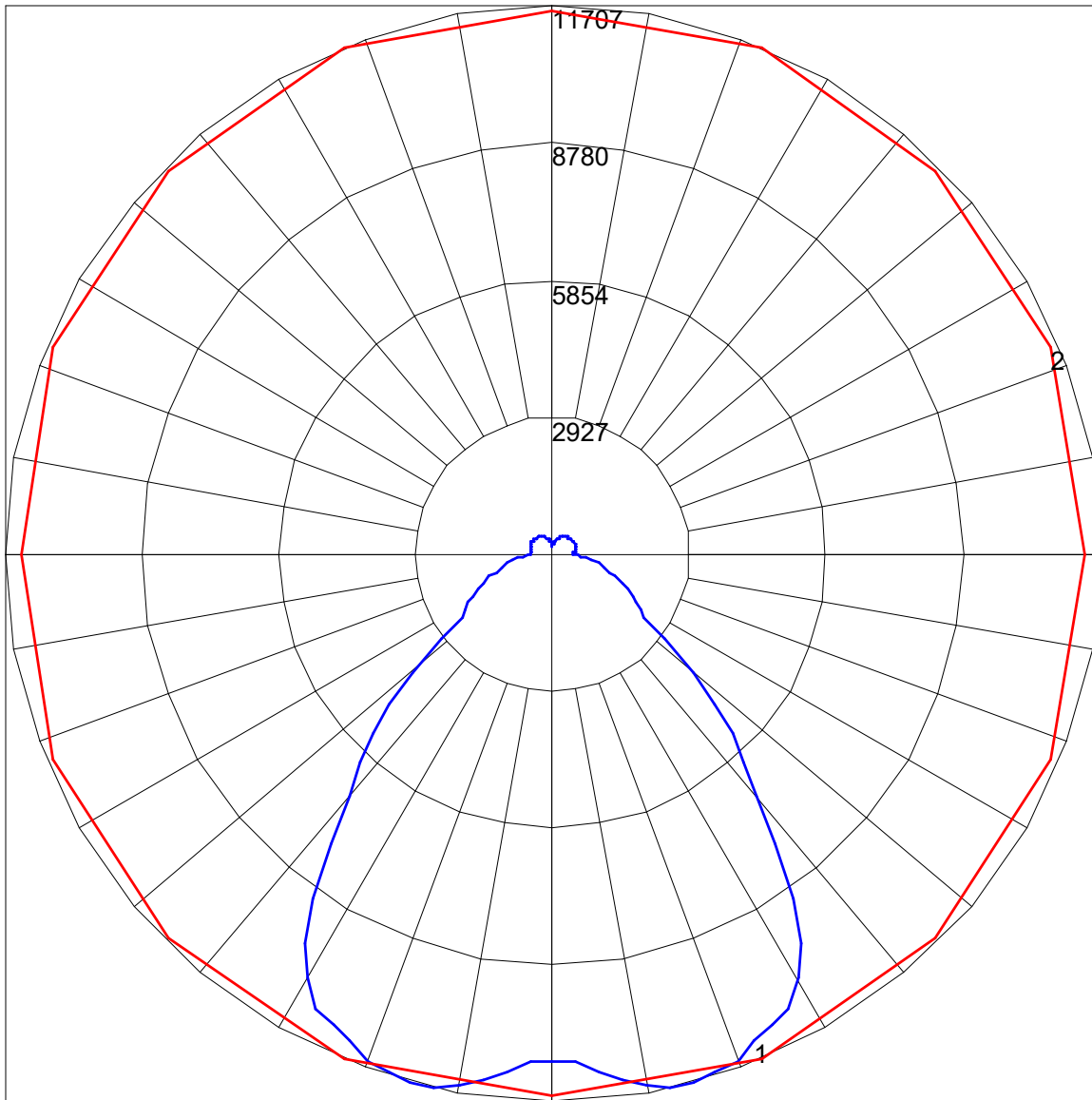
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 11707 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.)