



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-850-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-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
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	39181	40065	41179
55	17871	18399	18642
65	14924	15040	15164
75	10995	11066	11048
85	7164	7196	7301

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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	11964	11964	11964	11964	11964
2.5	11954	11966	11983	12005	12027
5.0	12011	12068	12162	12264	12288
7.5	12158	12266	12442	12516	12598
10.0	12568	12519	12627	12734	12771
12.5	12541	12741	12806	12918	12796
15.0	12756	12813	12841	12911	12882
17.5	12557	12702	12796	12816	12814
20.0	12637	12606	12699	12733	12707
22.5	12310	12354	12420	12466	12545
25.0	12108	12160	12241	12277	12279
27.5	11932	11994	12072	12098	12090
30.0	11763	11709	11611	11573	11555
32.5	11151	11128	10994	10887	10829
35.0	10156	10127	10052	9922	9853
37.5	8687	8684	8673	8603	8532
40.0	7463	7429	7508	7497	7466
42.5	6565	6588	6628	6688	6735
45.0	5764	5823	5894	5980	6058
47.5	4984	5029	5109	5226	5291
50.0	4034	4074	4178	4331	4349
52.5	3029	3103	3243	3311	3343
55.0	2504	2534	2578	2606	2612
57.5	2399	2410	2426	2446	2455
60.0	2266	2271	2285	2302	2311
62.5	2091	2095	2112	2127	2133
65.0	1923	1920	1938	1949	1954
67.5	1741	1746	1757	1765	1773
70.0	1573	1576	1583	1593	1592
72.5	1409	1412	1418	1419	1425
75.0	1250	1253	1258	1255	1256
77.5	1093	1096	1093	1097	1099
80.0	948	947	948	952	953
82.5	806	809	813	817	818
85.0	681	677	684	689	694
87.5	559	561	564	571	576
90.0	485	486	489	493	495
92.5	498	499	502	505	507
95.0	509	511	514	517	520
97.5	521	522	525	528	530
100.0	530	531	534	537	539
102.5	538	539	542	545	548
105.0	545	547	550	553	554
107.5	552	553	556	558	559
110.0	556	557	560	563	564
112.5	559	560	563	566	567
115.0	561	561	564	567	568
117.5	561	561	563	566	568
120.0	559	560	561	565	566
122.5	556	557	559	562	563
125.0	553	553	555	557	559
127.5	547	548	549	551	553
130.0	540	541	542	544	547
132.5	534	534	536	537	539

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CANDELA TABULATION - (Cont.)

135.0	527	527	528	530	532
137.5	516	516	519	521	522
140.0	506	506	507	509	510
142.5	494	495	496	498	499
145.0	482	483	484	485	486
147.5	470	470	472	473	473
150.0	454	456	457	456	457
152.5	437	441	441	440	442
155.0	419	424	424	422	423
157.5	398	404	404	402	402
160.0	380	388	388	386	385
162.5	359	368	370	366	365
165.0	340	347	349	345	342
167.5	320	325	327	324	318
170.0	297	300	302	299	289
172.5	270	271	271	267	261
175.0	231	232	232	233	232
177.5	191	195	198	201	200
180.0	178	178	178	178	178

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4793.43	N.A.	15.50
0-30	10432.09	N.A.	33.80
0-40	16538.75	N.A.	53.60
0-60	23607.2	N.A.	76.50
0-80	26851.98	N.A.	87.10
0-90	27610.31	N.A.	89.50
10-90	26433.66	N.A.	85.70
20-40	11745.32	N.A.	38.10
20-50	16261.61	N.A.	52.70
40-70	8984.52	N.A.	29.10
60-80	3244.79	N.A.	10.50
70-80	1328.72	N.A.	4.30
80-90	758.33	N.A.	2.50
90-110	1140.36	N.A.	3.70
90-120	1699.15	N.A.	5.50
90-130	2196.45	N.A.	7.10
90-150	2909.34	N.A.	9.40
90-180	3228.69	N.A.	10.50
110-180	2088.33	N.A.	6.80
0-180	30839.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1176.65
10-20	3616.77
20-30	5638.66
30-40	6106.66
40-50	4516.29
50-60	2552.16
60-70	1916.07
70-80	1328.72
80-90	758.33
90-100	559.98
100-110	580.38
110-120	558.79
120-130	497.31
130-140	408.56
140-150	304.32
150-160	196.16
160-170	98.91
170-180	24.27

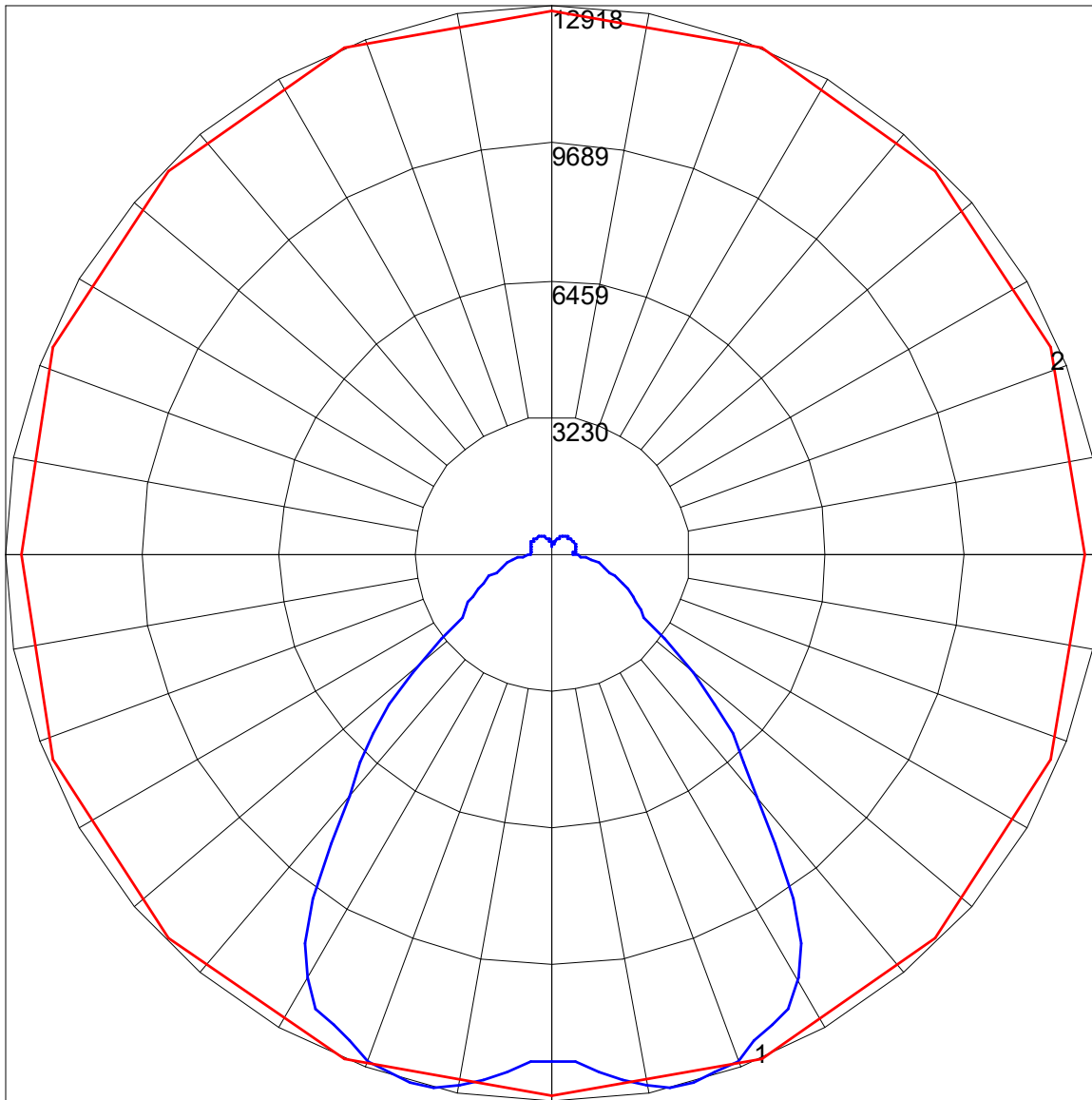
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 12918 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.)