



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-08L-S-850-R16AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12709
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-850-R16AD
 [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	8042
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	164
Total Luminaire Watts	49
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.24
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	8844	8986	9183
55	4325	4425	4504
65	4587	4633	4703
75	4460	4495	4539
85	4082	4134	4155

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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	2691	2691	2691	2691	2691
2.5	2687	2689	2693	2699	2702
5.0	2708	2712	2733	2752	2776
7.5	2747	2768	2802	2832	2843
10.0	2822	2831	2865	2886	2885
12.5	2867	2881	2895	2920	2920
15.0	2859	2876	2904	2928	2915
17.5	2889	2865	2876	2912	2904
20.0	2837	2838	2860	2873	2870
22.5	2766	2792	2800	2817	2828
25.0	2729	2737	2758	2768	2776
27.5	2694	2703	2719	2730	2733
30.0	2652	2647	2628	2609	2606
32.5	2517	2510	2490	2463	2461
35.0	2282	2279	2270	2244	2237
37.5	1967	1950	1952	1944	1925
40.0	1668	1670	1677	1679	1671
42.5	1470	1475	1479	1494	1498
45.0	1301	1310	1322	1336	1351
47.5	1137	1141	1160	1183	1190
50.0	938	945	966	982	996
52.5	723	733	750	773	777
55.0	606	611	620	628	631
57.5	603	605	610	618	622
60.0	605	606	612	620	623
62.5	601	602	606	613	616
65.0	591	592	597	604	606
67.5	577	578	584	588	590
70.0	557	559	564	567	569
72.5	534	536	539	542	545
75.0	507	509	511	515	516
77.5	479	478	481	485	487
80.0	446	447	452	455	457
82.5	417	418	421	424	426
85.0	388	389	393	395	395
87.5	360	362	364	365	365
90.0	335	336	338	338	338
92.5	315	316	316	317	318
95.0	296	296	297	298	299
97.5	278	277	279	280	280
100.0	260	260	262	263	263
102.5	245	245	245	245	246
105.0	229	229	230	231	230
107.5	216	216	216	216	217
110.0	204	204	204	204	204
112.5	192	192	192	192	192
115.0	180	180	182	182	182
117.5	172	171	172	172	172
120.0	163	163	163	163	163
122.5	155	155	155	155	155
125.0	148	148	148	148	147
127.5	140	140	140	139	139
130.0	135	135	135	135	134
132.5	130	130	129	129	129

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CANDELA TABULATION - (Cont.)

135.0	125	123	123	123	123
137.5	119	119	119	118	118
140.0	116	116	116	115	115
142.5	111	111	111	111	111
145.0	108	108	108	107	107
147.5	103	103	103	102	102
150.0	98	99	99	99	99
152.5	95	96	96	96	96
155.0	91	92	92	92	92
157.5	85	88	88	88	87
160.0	81	84	84	83	83
162.5	77	80	80	79	78
165.0	74	75	75	75	75
167.5	70	71	72	71	70
170.0	65	65	65	65	64
172.5	59	59	59	59	58
175.0	51	52	52	53	53
177.5	44	44	45	45	45
180.0	41	41	41	41	41

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1083.06	N.A.	13.50
0-30	2354.78	N.A.	29.30
0-40	3732.42	N.A.	46.40
0-60	5367.75	N.A.	66.80
0-80	6496.29	N.A.	80.80
0-90	6924.62	N.A.	86.10
10-90	6659.3	N.A.	82.80
20-40	2649.36	N.A.	32.90
20-50	3665.93	N.A.	45.60
40-70	2224.82	N.A.	27.70
60-80	1128.54	N.A.	14.00
70-80	539.05	N.A.	6.70
80-90	428.33	N.A.	5.30
90-110	569.72	N.A.	7.10
90-120	750.75	N.A.	9.30
90-130	883.66	N.A.	11.00
90-150	1047.5	N.A.	13.00
90-180	1116.91	N.A.	13.90
110-180	547.20	N.A.	6.80
0-180	8041.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	265.32
10-20	817.74
20-30	1271.72
30-40	1377.64
40-50	1016.57
50-60	618.76
60-70	589.49
70-80	539.05
80-90	428.33
90-100	325.13
100-110	244.58
110-120	181.04
120-130	132.90
130-140	96.34
140-150	67.50
150-160	42.61
160-170	21.45
170-180	5.36

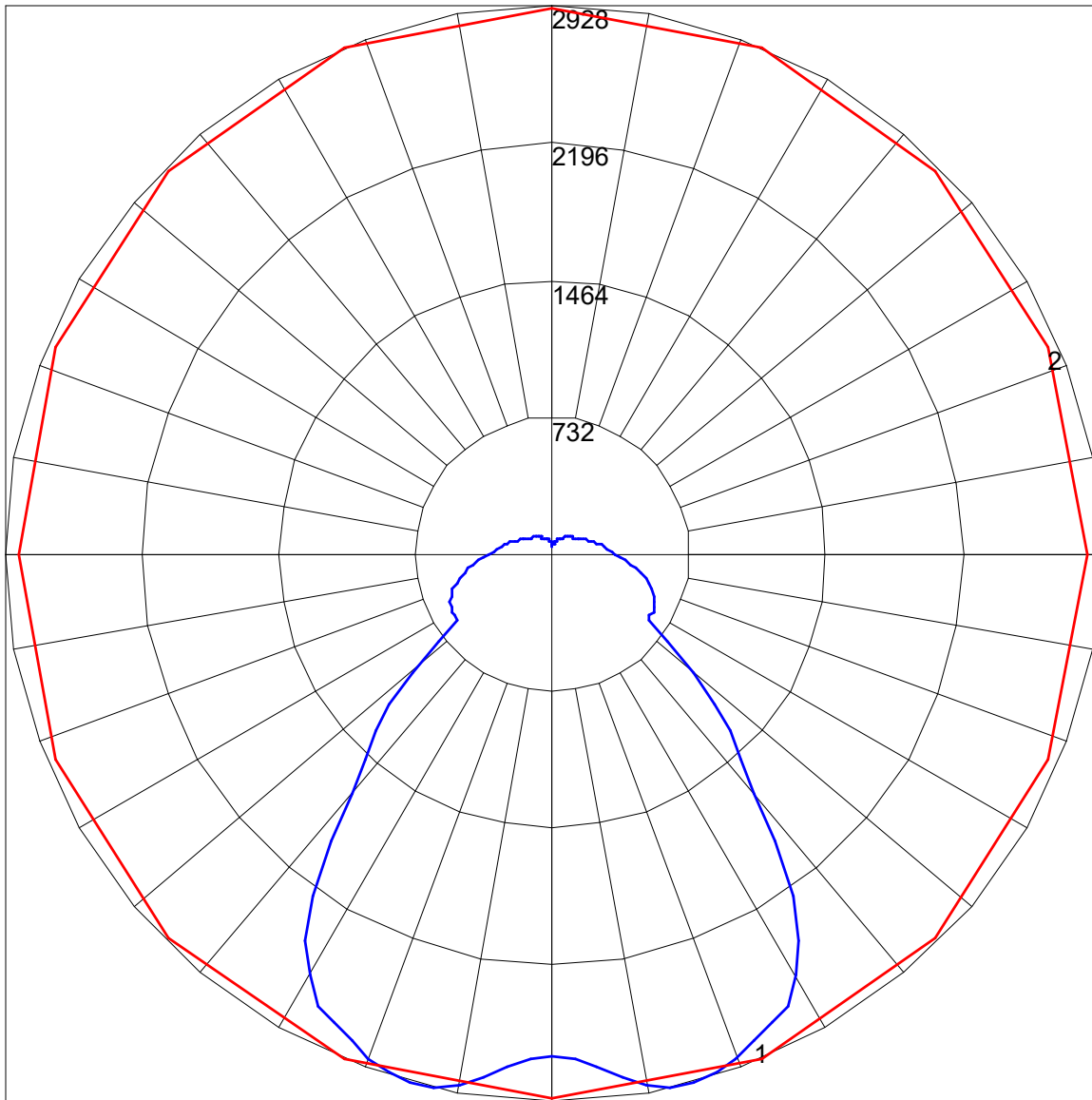
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	105	100	95	91	101	96	92	88	89	86	83	83	80	78	77	75	73	70
2	96	88	81	75	92	85	78	73	79	74	69	73	69	66	68	65	62	59
3	88	78	70	64	84	75	68	62	70	64	59	66	61	57	61	57	54	51
4	81	70	61	55	78	67	60	54	63	57	52	59	54	49	56	51	47	45
5	75	63	54	48	72	61	53	47	57	51	45	54	48	44	51	46	42	40
6	70	57	49	43	67	55	48	42	52	46	40	49	43	39	47	42	38	35
7	65	52	44	38	62	51	43	37	48	41	36	45	39	35	43	38	34	32
8	61	48	40	34	58	47	39	34	44	38	33	42	36	32	40	35	31	29
9	57	44	36	31	55	43	36	31	41	34	30	39	33	29	37	32	28	26
10	53	41	33	28	51	40	33	28	38	32	27	36	31	27	34	29	26	24

POLAR GRAPH



Maximum Candela = 2928 Located At Horizontal Angle = 67.5, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)