



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-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-830-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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7619
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
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



AUL R16

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8381	8517	8701
55	4097	4189	4268
65	4346	4393	4455
75	4222	4257	4301
85	3871	3913	3935

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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	2550	2550	2550	2550	2550
2.5	2546	2548	2552	2557	2560
5.0	2566	2570	2590	2608	2630
7.5	2603	2623	2655	2683	2694
10.0	2674	2682	2715	2735	2734
12.5	2717	2730	2743	2767	2767
15.0	2709	2725	2752	2774	2762
17.5	2737	2715	2725	2759	2752
20.0	2688	2689	2710	2722	2719
22.5	2621	2645	2653	2669	2680
25.0	2586	2593	2613	2623	2630
27.5	2553	2561	2576	2587	2590
30.0	2513	2508	2490	2472	2469
32.5	2385	2378	2359	2334	2332
35.0	2162	2159	2151	2126	2120
37.5	1864	1848	1850	1842	1824
40.0	1580	1582	1589	1591	1583
42.5	1393	1398	1401	1416	1419
45.0	1233	1241	1253	1266	1280
47.5	1077	1081	1099	1121	1128
50.0	889	895	915	930	944
52.5	685	695	711	732	736
55.0	574	579	587	595	598
57.5	571	573	578	586	589
60.0	573	574	580	587	590
62.5	569	570	574	581	584
65.0	560	561	566	572	574
67.5	547	548	553	557	559
70.0	528	530	534	537	539
72.5	506	508	511	514	516
75.0	480	482	484	488	489
77.5	454	453	456	460	461
80.0	423	424	428	431	433
82.5	395	396	399	402	404
85.0	368	369	372	374	374
87.5	341	343	345	346	346
90.0	317	318	320	320	320
92.5	298	299	299	300	301
95.0	280	280	281	282	283
97.5	263	262	264	265	265
100.0	246	246	248	249	249
102.5	232	232	232	232	233
105.0	217	217	218	219	218
107.5	205	205	205	205	206
110.0	193	193	193	193	193
112.5	182	182	182	182	182
115.0	171	171	172	172	172
117.5	163	162	163	163	163
120.0	154	154	154	154	154
122.5	147	147	147	147	147
125.0	140	140	140	140	139
127.5	133	133	133	132	132
130.0	128	128	128	128	127
132.5	123	123	122	122	122

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CANDELA TABULATION - (Cont.)

135.0	118	117	117	117	117
137.5	113	113	113	112	112
140.0	110	110	110	109	109
142.5	105	105	105	105	105
145.0	102	102	102	101	101
147.5	98	98	98	97	97
150.0	93	94	94	94	94
152.5	90	91	91	91	91
155.0	86	87	87	87	87
157.5	81	83	83	83	82
160.0	77	80	80	79	79
162.5	73	76	76	75	74
165.0	70	71	71	71	71
167.5	66	67	68	67	66
170.0	62	62	62	62	61
172.5	56	56	56	56	55
175.0	48	49	49	50	50
177.5	42	42	43	43	43
180.0	39	39	39	39	39

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1026.24	N.A.	13.50
0-30	2231.2	N.A.	29.30
0-40	3536.53	N.A.	46.40
0-60	5085.96	N.A.	66.80
0-80	6155.26	N.A.	80.80
0-90	6561.11	N.A.	86.10
10-90	6309.7	N.A.	82.80
20-40	2510.29	N.A.	32.90
20-50	3473.5	N.A.	45.60
40-70	2107.92	N.A.	27.70
60-80	1069.3	N.A.	14.00
70-80	510.81	N.A.	6.70
80-90	405.85	N.A.	5.30
90-110	539.41	N.A.	7.10
90-120	710.85	N.A.	9.30
90-130	836.79	N.A.	11.00
90-150	992.10	N.A.	13.00
90-180	1057.89	N.A.	13.90
110-180	518.47	N.A.	6.80
0-180	7619.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	251.41
10-20	774.83
20-30	1204.95
30-40	1305.34
40-50	963.21
50-60	586.21
60-70	558.49
70-80	510.81
80-90	405.85
90-100	307.67
100-110	231.74
110-120	171.44
120-130	125.93
130-140	91.36
140-150	63.95
150-160	40.35
160-170	20.34
170-180	5.09

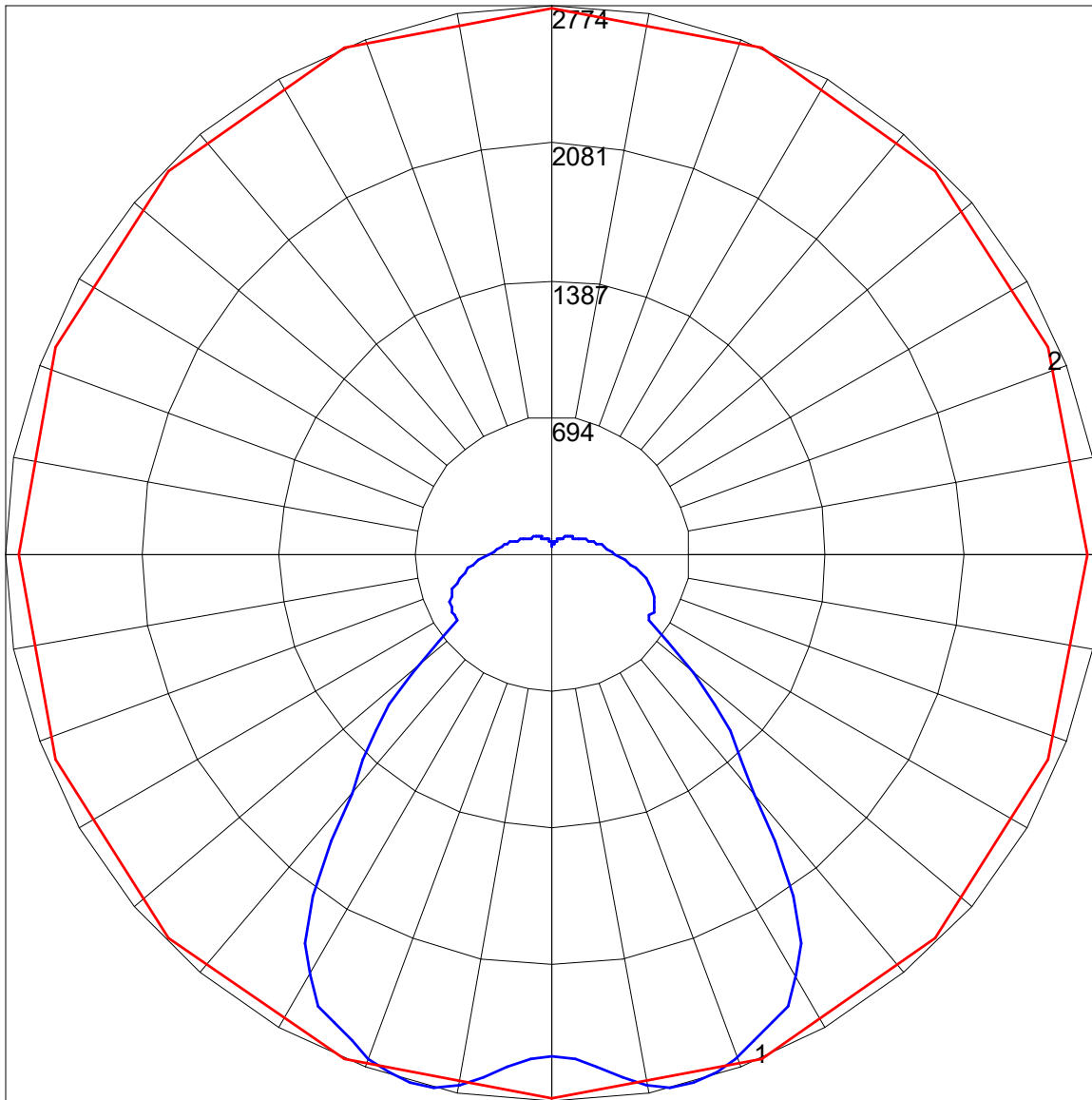
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	44	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 = 2774 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.)