



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-08L-S-840-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-08L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7980
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	163
Total Luminaire Watts	49
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	8081	7994	7927
55	4275	4348	4476
65	2085	2080	2085
75	1985	1991	2002
85	1790	1805	1827

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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	2967	2967	2967	2967	2967
2.5	2965	2967	2972	2980	2985
5.0	2975	2977	2981	2987	2993
7.5	2977	2980	2985	2991	2997
10.0	2975	2977	2981	2989	2995
12.5	2955	2956	2961	2969	2978
15.0	2911	2913	2925	2928	2934
17.5	2856	2864	2874	2881	2888
20.0	2790	2799	2816	2827	2836
22.5	2710	2726	2740	2756	2760
25.0	2647	2656	2669	2678	2685
27.5	2588	2595	2604	2610	2617
30.0	2528	2531	2538	2543	2546
32.5	2462	2465	2470	2474	2476
35.0	2391	2394	2399	2402	2403
37.5	2322	2325	2325	2330	2333
40.0	2257	2258	2261	2265	2267
42.5	2191	2188	2190	2182	2181
45.0	2052	2041	2030	2015	2013
47.5	1794	1793	1780	1769	1760
50.0	1486	1489	1491	1484	1483
52.5	1219	1223	1231	1237	1230
55.0	1000	1009	1017	1036	1047
57.5	769	777	799	812	828
60.0	523	538	558	571	580
62.5	433	436	443	447	452
65.0	431	431	430	430	431
67.5	418	417	418	418	419
70.0	397	397	398	399	400
72.5	372	372	373	374	375
75.0	344	344	345	347	347
77.5	316	317	318	318	319
80.0	290	291	292	292	293
82.5	266	266	267	268	269
85.0	241	242	243	245	246
87.5	220	220	221	223	224
90.0	199	200	201	203	205
92.5	185	185	186	188	188
95.0	172	172	173	174	175
97.5	160	160	161	162	162
100.0	149	149	150	151	151
102.5	139	139	140	141	141
105.0	129	130	131	131	132
107.5	121	121	122	123	123
110.0	114	114	115	115	116
112.5	107	108	108	108	108
115.0	102	102	102	102	102
117.5	97	97	97	97	97
120.0	92	92	92	92	92
122.5	88	88	88	88	88
125.0	84	84	84	84	84
127.5	81	81	81	81	81
130.0	77	77	77	77	77
132.5	75	75	75	75	74

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CANDELA TABULATION - (Cont.)

135.0	72	72	72	72	72
137.5	70	70	70	69	69
140.0	67	67	67	67	67
142.5	65	65	65	65	65
145.0	63	63	63	63	63
147.5	61	61	61	61	61
150.0	59	59	59	59	59
152.5	58	57	57	57	57
155.0	56	56	55	55	55
157.5	54	54	53	53	53
160.0	53	53	52	51	51
162.5	51	51	51	50	50
165.0	50	49	49	48	48
167.5	48	48	47	47	46
170.0	46	46	46	46	45
172.5	45	45	45	45	45
175.0	44	44	44	44	44
177.5	43	43	44	43	43
180.0	41	41	41	41	41

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1108.2	N.A.	13.90
0-30	2340.89	N.A.	29.30
0-40	3844.17	N.A.	48.20
0-60	6264.2	N.A.	78.50
0-80	7066.76	N.A.	88.60
0-90	7333.56	N.A.	91.90
10-90	7048.9	N.A.	88.30
20-40	2735.96	N.A.	34.30
20-50	4251.4	N.A.	53.30
40-70	2857.77	N.A.	35.80
60-80	802.56	N.A.	10.10
70-80	364.83	N.A.	4.60
80-90	266.80	N.A.	3.30
90-110	328.97	N.A.	4.10
90-120	430.91	N.A.	5.40
90-130	506.74	N.A.	6.40
90-150	602.38	N.A.	7.50
90-180	646.30	N.A.	8.10
110-180	317.33	N.A.	4.00
0-180	7979.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	284.66
10-20	823.54
20-30	1232.69
30-40	1503.27
40-50	1515.44
50-60	904.60
60-70	437.73
70-80	364.83
80-90	266.80
90-100	189.98
100-110	138.99
110-120	101.95
120-130	75.82
130-140	55.96
140-150	39.67
150-160	25.71
160-170	13.95
170-180	4.26

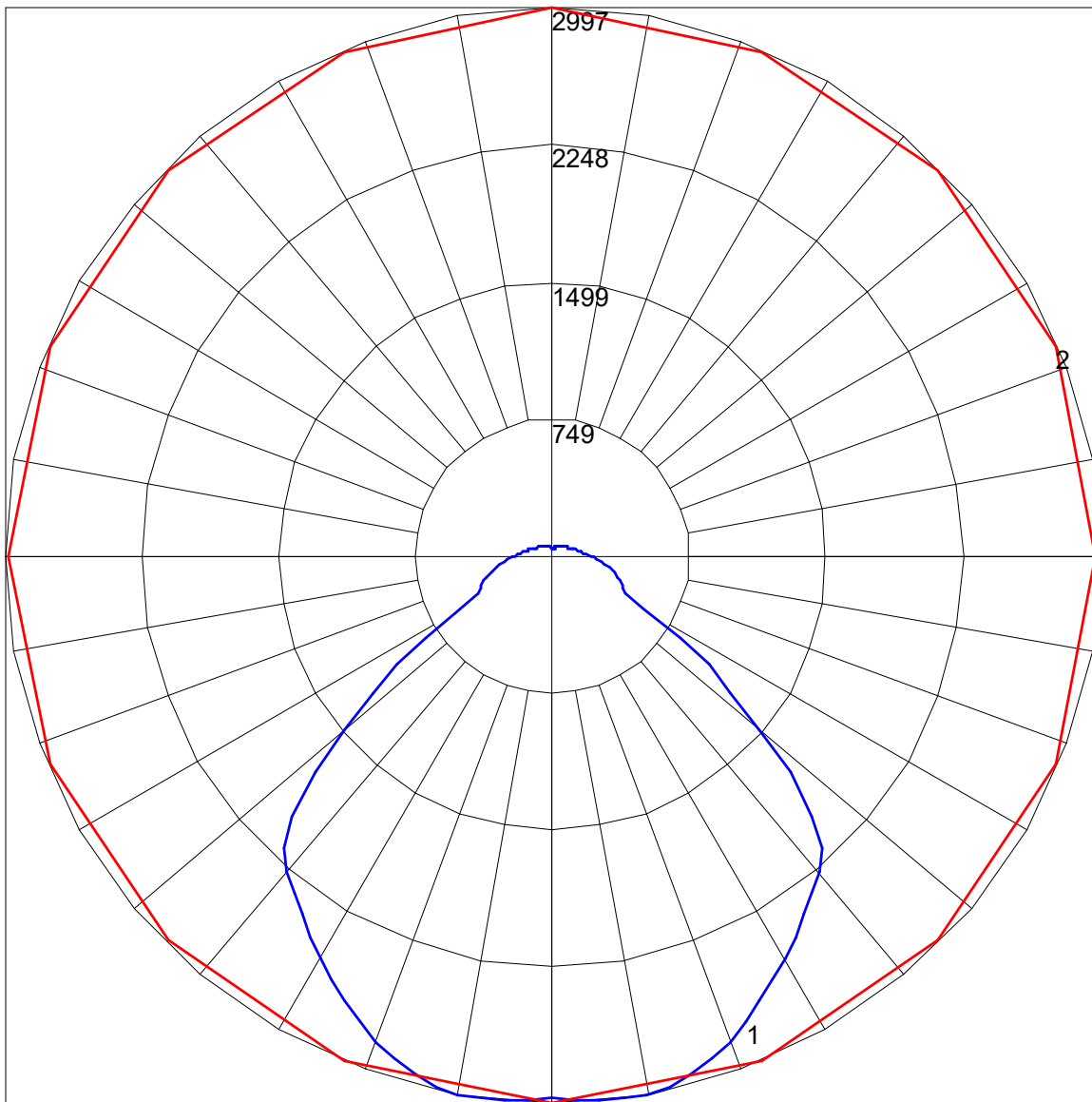
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2997 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.)