



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-840-R16AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12708
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 05/25/21
 [TEST DATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
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)	1.26
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



AUL R16

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9924	10149	10427
55	4525	4661	4725
65	3779	3810	3842
75	2780	2806	2797
85	1820	1820	1852

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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	3030	3030	3030	3030	3030
2.5	3027	3030	3035	3040	3046
5.0	3042	3056	3080	3106	3112
7.5	3079	3106	3151	3170	3190
10.0	3183	3171	3198	3225	3234
12.5	3176	3227	3243	3271	3241
15.0	3230	3245	3252	3270	3262
17.5	3180	3217	3241	3246	3245
20.0	3200	3193	3216	3225	3218
22.5	3117	3129	3145	3157	3177
25.0	3066	3079	3100	3109	3110
27.5	3022	3037	3057	3064	3062
30.0	2979	2965	2940	2931	2926
32.5	2824	2818	2784	2757	2742
35.0	2572	2565	2546	2513	2495
37.5	2200	2199	2196	2179	2161
40.0	1890	1882	1901	1899	1891
42.5	1662	1669	1679	1694	1706
45.0	1460	1475	1493	1514	1534
47.5	1262	1274	1294	1323	1340
50.0	1022	1032	1058	1097	1101
52.5	767	786	821	839	847
55.0	634	642	653	660	662
57.5	607	610	614	620	622
60.0	574	575	579	583	585
62.5	529	531	535	539	540
65.0	487	486	491	493	495
67.5	441	442	445	447	449
70.0	398	399	401	403	403
72.5	357	358	359	359	361
75.0	316	317	319	318	318
77.5	277	278	277	278	278
80.0	240	240	240	241	241
82.5	204	205	206	207	207
85.0	173	172	173	174	176
87.5	142	142	143	145	146
90.0	123	123	124	125	125
92.5	126	126	127	128	128
95.0	129	129	130	131	132
97.5	132	132	133	134	134
100.0	134	134	135	136	137
102.5	136	137	137	138	139
105.0	138	138	139	140	140
107.5	140	140	141	141	142
110.0	141	141	142	143	143
112.5	142	142	143	143	144
115.0	142	142	143	144	144
117.5	142	142	143	143	144
120.0	142	142	142	143	143
122.5	141	141	142	142	143
125.0	140	140	141	141	142
127.5	138	139	139	139	140
130.0	137	137	137	138	138
132.5	135	135	136	136	137

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CANDELA TABULATION - (Cont.)

135.0	133	133	134	134	135
137.5	131	131	131	132	132
140.0	128	128	128	129	129
142.5	125	125	126	126	126
145.0	122	122	123	123	123
147.5	119	119	119	120	120
150.0	115	116	116	116	116
152.5	111	112	112	111	112
155.0	106	107	107	107	107
157.5	101	102	102	102	102
160.0	96	98	98	98	97
162.5	91	93	94	93	92
165.0	86	88	89	87	87
167.5	81	82	83	82	81
170.0	75	76	76	76	73
172.5	68	69	69	67	66
175.0	59	59	59	59	59
177.5	48	49	50	51	51
180.0	45	45	45	45	45

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1213.97	N.A.	15.50
0-30	2641.92	N.A.	33.80
0-40	4188.42	N.A.	53.60
0-60	5978.66	N.A.	76.50
0-80	6800.4	N.A.	87.10
0-90	6992.52	N.A.	89.50
10-90	6694.53	N.A.	85.70
20-40	2974.45	N.A.	38.10
20-50	4118.3	N.A.	52.70
40-70	2275.46	N.A.	29.10
60-80	821.74	N.A.	10.50
70-80	336.52	N.A.	4.30
80-90	192.12	N.A.	2.50
90-110	288.68	N.A.	3.70
90-120	430.30	N.A.	5.50
90-130	556.25	N.A.	7.10
90-150	736.75	N.A.	9.40
90-180	817.63	N.A.	10.50
110-180	528.96	N.A.	6.80
0-180	7810.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	297.99
10-20	915.98
20-30	1427.95
30-40	1546.51
40-50	1143.84
50-60	646.39
60-70	485.22
70-80	336.52
80-90	192.12
90-100	141.74
100-110	146.94
110-120	141.62
120-130	125.96
130-140	103.43
140-150	77.07
150-160	49.68
160-170	25.05
170-180	6.15

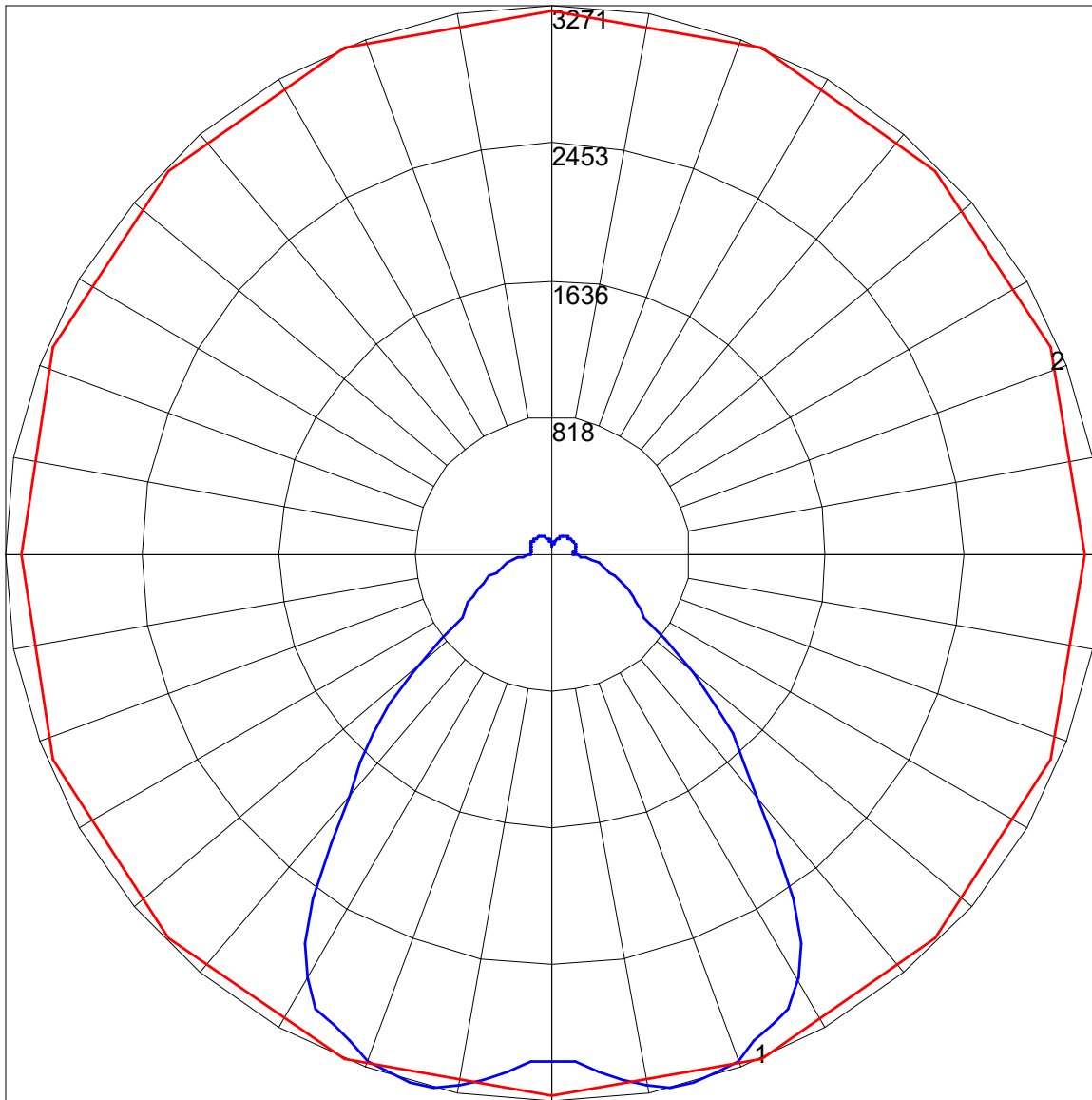
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3271 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.)