



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-840-R22AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12692
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-840-R22AC
 [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	7968
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)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	7848	7860	7821
55	5413	5451	5425
65	3381	3381	3362
75	946	964	946
85	446	446	446

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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	3400	3400	3400	3400	3400
2.5	3405	3406	3405	3407	3402
5.0	3390	3392	3388	3389	3389
7.5	3368	3370	3366	3364	3362
10.0	3338	3342	3341	3337	3335
12.5	3293	3294	3288	3292	3289
15.0	3228	3223	3220	3220	3221
17.5	3150	3149	3144	3147	3149
20.0	3061	3060	3055	3066	3065
22.5	2955	2958	2951	2963	2962
25.0	2855	2856	2852	2857	2863
27.5	2757	2757	2755	2759	2764
30.0	2655	2655	2654	2659	2661
32.5	2549	2547	2547	2549	2554
35.0	2440	2438	2434	2439	2438
37.5	2334	2332	2328	2331	2332
40.0	2241	2239	2236	2237	2240
42.5	2158	2152	2153	2153	2156
45.0	1993	1984	1996	1990	1986
47.5	1784	1776	1773	1787	1795
50.0	1581	1577	1573	1593	1595
52.5	1414	1422	1425	1424	1424
55.0	1266	1269	1275	1273	1269
57.5	1107	1110	1112	1108	1109
60.0	936	934	928	930	937
62.5	822	827	829	828	832
65.0	699	693	699	695	695
67.5	541	544	550	549	551
70.0	404	407	411	414	415
72.5	278	279	280	283	286
75.0	164	165	167	165	164
77.5	102	103	104	103	103
80.0	84	84	85	84	83
82.5	70	70	70	70	70
85.0	60	60	60	60	60
87.5	54	54	54	54	54
90.0	53	53	52	52	50
92.5	56	56	55	56	54
95.0	58	57	57	58	58
97.5	57	56	56	56	57
100.0	57	57	56	57	56
102.5	58	58	57	58	58
105.0	55	55	56	56	56
107.5	48	48	50	48	50
110.0	44	44	44	43	44
112.5	43	43	43	43	43
115.0	45	45	45	45	44
117.5	48	47	47	47	47
120.0	50	50	50	49	49
122.5	51	51	51	51	51
125.0	52	52	52	52	51
127.5	53	52	53	53	52
130.0	53	53	53	53	53
132.5	53	53	54	54	53

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CANDELA TABULATION - (Cont.)

135.0	53	53	54	53	53
137.5	52	52	53	52	52
140.0	49	49	49	49	49
142.5	45	45	45	45	44
145.0	40	40	40	40	40
147.5	36	36	36	36	36
150.0	33	33	33	33	33
152.5	31	31	31	31	31
155.0	30	30	30	30	30
157.5	29	29	29	29	29
160.0	29	29	28	28	28
162.5	28	28	28	27	27
165.0	27	27	27	26	26
167.5	27	27	26	25	26
170.0	26	26	25	25	25
172.5	26	25	25	25	25
175.0	25	25	25	25	25
177.5	25	25	25	25	25
180.0	24	24	24	24	24

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1229.21	N.A.	15.40
0-30	2546.42	N.A.	32.00
0-40	4074.72	N.A.	51.10
0-60	6714.01	N.A.	84.30
0-80	7600.48	N.A.	95.40
0-90	7669.21	N.A.	96.20
10-90	7347.32	N.A.	92.20
20-40	2845.51	N.A.	35.70
20-50	4355.25	N.A.	54.70
40-70	3316.4	N.A.	41.60
60-80	886.47	N.A.	11.10
70-80	209.36	N.A.	2.60
80-90	68.73	N.A.	0.90
90-110	117.20	N.A.	1.50
90-120	162.25	N.A.	2.00
90-130	208.61	N.A.	2.60
90-150	274.93	N.A.	3.50
90-180	298.99	N.A.	3.80
110-180	181.79	N.A.	2.30
0-180	7968.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	321.89
10-20	907.32
20-30	1317.21
30-40	1528.3
40-50	1509.74
50-60	1129.55
60-70	677.11
70-80	209.36
80-90	68.73
90-100	60.99
100-110	56.21
110-120	45.04
120-130	46.36
130-140	40.69
140-150	25.63
150-160	14.02
160-170	7.64
170-180	2.40

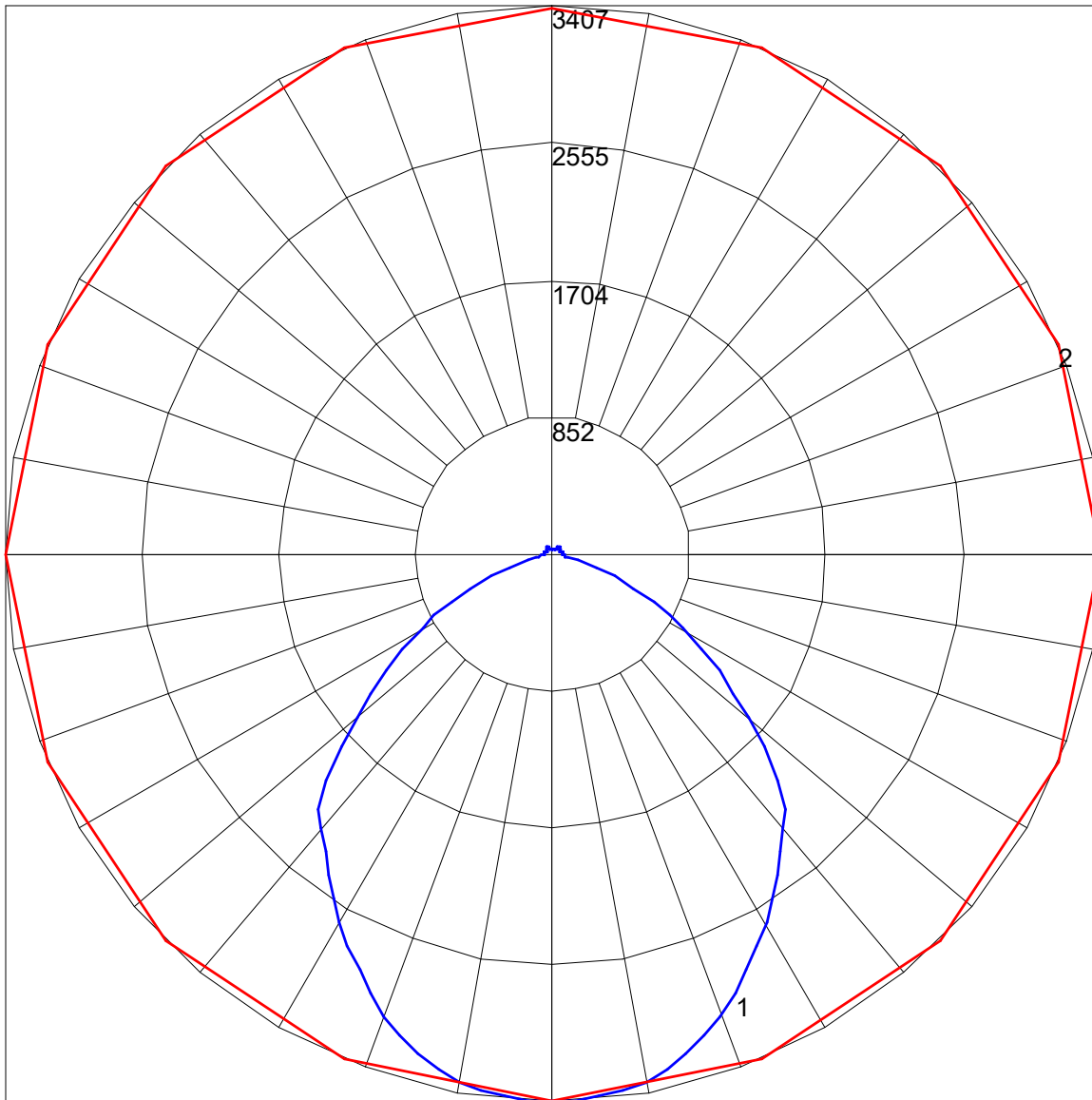
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	88	86	84
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72
3	93	83	76	70	90	81	74	69	78	72	67	75	70	66	72	68	64	62
4	85	74	66	60	83	73	65	60	70	63	58	67	62	57	65	60	56	54
5	79	67	59	52	76	65	58	52	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	52	46	57	50	45	55	49	44	53	48	44	42
7	68	55	47	41	66	54	46	41	52	45	40	51	44	40	49	43	39	37
8	63	50	42	37	61	50	42	37	48	41	36	46	40	36	45	39	35	33
9	59	46	39	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

POLAR GRAPH



Maximum Candela = 3407 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)