



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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7590
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
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	7474	7486	7450
55	5156	5195	5169
65	3221	3221	3202
75	900	917	900
85	423	423	423

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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	3239	3239	3239	3239	3239
2.5	3243	3244	3243	3245	3241
5.0	3229	3231	3227	3228	3228
7.5	3208	3210	3206	3204	3203
10.0	3180	3183	3183	3179	3177
12.5	3137	3138	3132	3136	3133
15.0	3075	3070	3067	3067	3068
17.5	3001	3000	2995	2998	3000
20.0	2916	2915	2910	2921	2920
22.5	2815	2818	2811	2822	2821
25.0	2720	2721	2717	2721	2727
27.5	2626	2626	2624	2628	2633
30.0	2529	2529	2528	2533	2535
32.5	2428	2426	2426	2428	2433
35.0	2324	2322	2319	2323	2322
37.5	2223	2221	2218	2220	2221
40.0	2135	2133	2130	2131	2134
42.5	2056	2050	2051	2051	2054
45.0	1898	1890	1901	1896	1892
47.5	1699	1692	1689	1702	1710
50.0	1506	1502	1498	1517	1519
52.5	1347	1355	1357	1356	1356
55.0	1206	1209	1215	1213	1209
57.5	1054	1057	1059	1055	1056
60.0	892	890	884	886	893
62.5	783	788	790	789	793
65.0	666	660	666	662	662
67.5	515	518	524	523	525
70.0	385	388	392	394	395
72.5	265	266	267	270	272
75.0	156	157	159	157	156
77.5	97	98	99	98	98
80.0	80	80	81	80	79
82.5	67	67	67	67	67
85.0	57	57	57	57	57
87.5	51	51	51	51	51
90.0	50	50	50	50	48
92.5	53	53	52	53	51
95.0	55	54	54	55	55
97.5	54	53	53	53	54
100.0	54	54	53	54	53
102.5	55	55	54	55	55
105.0	52	52	53	53	53
107.5	46	46	48	46	48
110.0	42	42	42	41	42
112.5	41	41	41	41	41
115.0	43	43	43	43	42
117.5	46	45	45	45	45
120.0	48	48	48	47	47
122.5	49	49	49	49	49
125.0	50	50	50	50	49
127.5	50	50	50	50	50
130.0	50	50	50	50	50
132.5	50	50	51	51	50

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CANDELA TABULATION - (Cont.)

135.0	50	50	51	50	50
137.5	50	50	50	50	50
140.0	47	47	47	47	47
142.5	43	43	43	43	42
145.0	38	38	38	38	38
147.5	34	34	34	34	34
150.0	31	31	31	31	31
152.5	30	30	30	30	30
155.0	29	29	29	29	29
157.5	28	28	28	28	28
160.0	28	28	27	27	27
162.5	27	27	27	26	26
165.0	26	26	26	25	25
167.5	26	26	25	24	25
170.0	25	25	24	24	24
172.5	25	24	24	24	24
175.0	24	24	24	24	24
177.5	24	24	24	24	24
180.0	23	23	23	23	23

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1170.92	N.A.	15.40
0-30	2425.64	N.A.	32.00
0-40	3881.39	N.A.	51.10
0-60	6395.45	N.A.	84.30
0-80	7239.96	N.A.	95.40
0-90	7305.36	N.A.	96.20
10-90	6998.75	N.A.	92.20
20-40	2710.48	N.A.	35.70
20-50	4148.62	N.A.	54.70
40-70	3159.14	N.A.	41.60
60-80	844.51	N.A.	11.10
70-80	199.42	N.A.	2.60
80-90	65.40	N.A.	0.90
90-110	111.23	N.A.	1.50
90-120	154.29	N.A.	2.00
90-130	198.61	N.A.	2.60
90-150	261.58	N.A.	3.40
90-180	284.74	N.A.	3.80
110-180	173.51	N.A.	2.30
0-180	7590.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	306.61
10-20	864.31
20-30	1254.72
30-40	1455.75
40-50	1438.14
50-60	1075.91
60-70	645.09
70-80	199.42
80-90	65.40
90-100	57.81
100-110	53.43
110-120	43.06
120-130	44.32
130-140	38.60
140-150	24.37
150-160	13.50
160-170	7.36
170-180	2.30

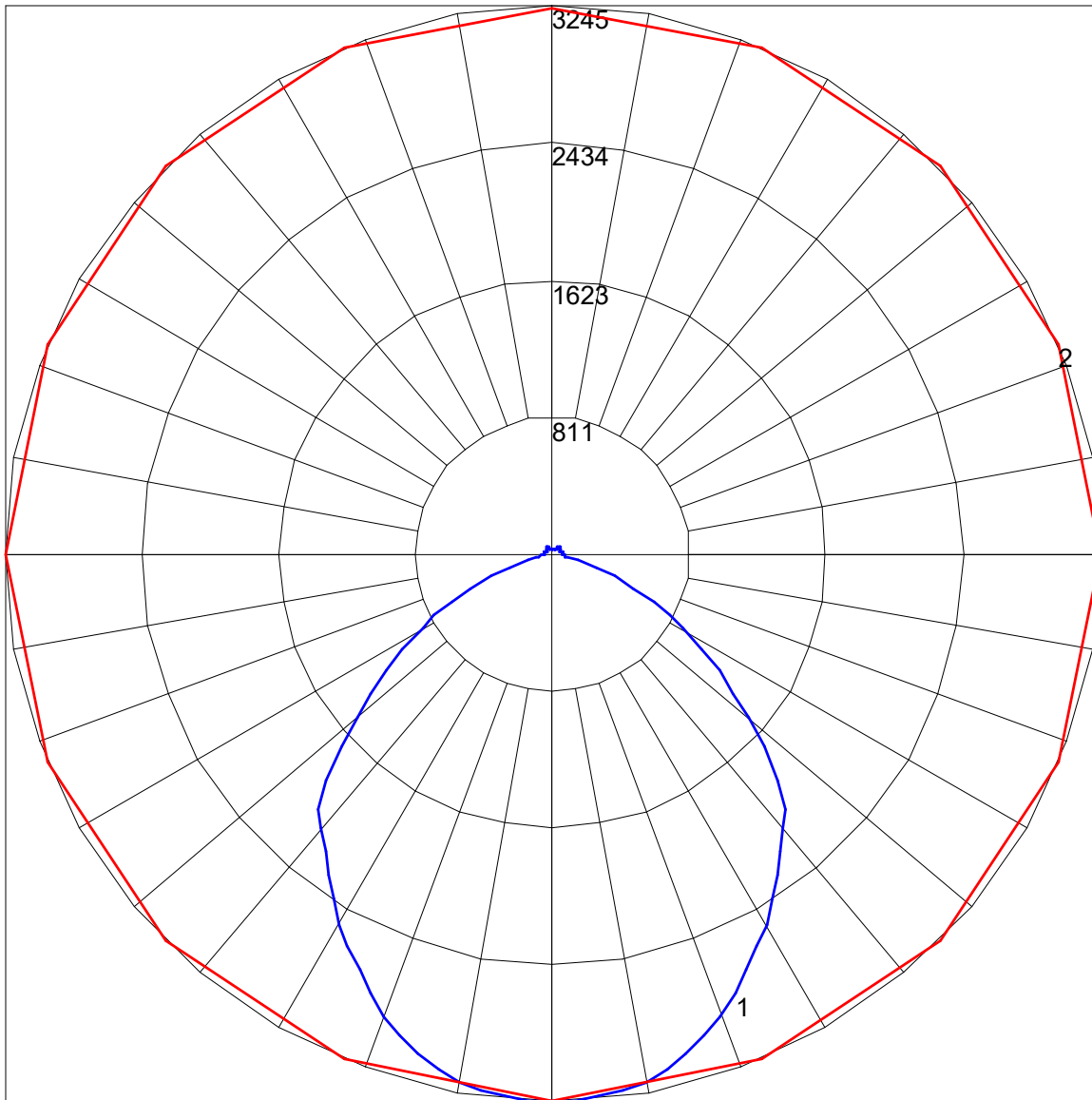
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3245 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.)