



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-830-R22AW
 [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	7607
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)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
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	8533	8533	8439
55	4476	4455	4442
65	1693	1698	1703
75	1385	1379	1385
85	743	743	758

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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	3052	3052	3052	3052	3052
2.5	3057	3057	3059	3061	3059
5.0	3069	3070	3073	3073	3071
7.5	3079	3079	3082	3081	3081
10.0	3080	3082	3085	3084	3083
12.5	3065	3069	3069	3073	3072
15.0	3034	3036	3037	3038	3038
17.5	2995	2994	2994	2998	2999
20.0	2948	2944	2945	2953	2950
22.5	2889	2878	2882	2889	2883
25.0	2826	2821	2820	2824	2822
27.5	2770	2767	2766	2767	2767
30.0	2711	2709	2708	2708	2708
32.5	2644	2643	2644	2643	2643
35.0	2572	2571	2572	2570	2569
37.5	2498	2494	2497	2495	2494
40.0	2419	2419	2420	2420	2420
42.5	2335	2334	2331	2337	2342
45.0	2167	2168	2167	2161	2143
47.5	1904	1896	1890	1886	1880
50.0	1579	1580	1570	1559	1579
52.5	1287	1291	1284	1275	1278
55.0	1047	1044	1042	1048	1039
57.5	783	780	792	794	796
60.0	504	493	507	514	523
62.5	372	373	375	377	374
65.0	350	351	351	352	352
67.5	326	327	327	328	328
70.0	300	300	300	300	301
72.5	271	272	272	271	271
75.0	240	241	239	239	240
77.5	206	207	207	207	207
80.0	172	172	172	173	173
82.5	137	136	137	138	138
85.0	100	100	100	101	102
87.5	63	63	63	63	63
90.0	35	35	35	34	33
92.5	34	34	34	34	34
95.0	36	36	36	36	36
97.5	37	37	37	37	37
100.0	39	39	39	39	39
102.5	40	40	40	40	40
105.0	42	42	42	41	41
107.5	43	43	43	43	43
110.0	44	44	44	44	44
112.5	45	45	45	45	45
115.0	46	46	46	46	46
117.5	47	47	47	47	47
120.0	48	48	48	47	48
122.5	48	48	48	48	48
125.0	49	49	49	49	49
127.5	49	49	49	49	49
130.0	50	50	50	50	50
132.5	50	50	50	50	50

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CANDELA TABULATION - (Cont.)

135.0	50	50	50	50	50
137.5	50	50	50	50	50
140.0	50	50	50	50	50
142.5	50	50	50	50	50
145.0	50	50	50	50	50
147.5	50	50	50	50	50
150.0	50	50	50	50	50
152.5	49	50	50	50	50
155.0	49	49	49	49	49
157.5	49	48	48	48	48
160.0	48	48	48	48	48
162.5	48	47	47	47	47
165.0	47	46	46	46	46
167.5	45	45	45	44	44
170.0	44	44	43	43	43
172.5	42	42	43	43	43
175.0	41	41	42	42	42
177.5	39	39	40	40	40
180.0	38	38	38	38	38

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1150.27	N.A.	15.10
0-30	2454.81	N.A.	32.30
0-40	4064.75	N.A.	53.40
0-60	6602.24	N.A.	86.80
0-80	7214.55	N.A.	94.80
0-90	7324.58	N.A.	96.30
10-90	7031.04	N.A.	92.40
20-40	2914.48	N.A.	38.30
20-50	4528.75	N.A.	59.50
40-70	2897.89	N.A.	38.10
60-80	612.32	N.A.	8.00
70-80	251.92	N.A.	3.30
80-90	110.03	N.A.	1.40
90-110	83.12	N.A.	1.10
90-120	128.72	N.A.	1.70
90-130	172.41	N.A.	2.30
90-150	242.55	N.A.	3.20
90-180	282.35	N.A.	3.70
110-180	199.23	N.A.	2.60
0-180	7606.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	293.55
10-20	856.72
20-30	1304.54
30-40	1609.94
40-50	1614.27
50-60	923.22
60-70	360.40
70-80	251.92
80-90	110.03
90-100	39.20
100-110	43.92
110-120	45.61
120-130	43.69
130-140	38.72
140-150	31.41
150-160	22.72
160-170	13.08
170-180	4.01

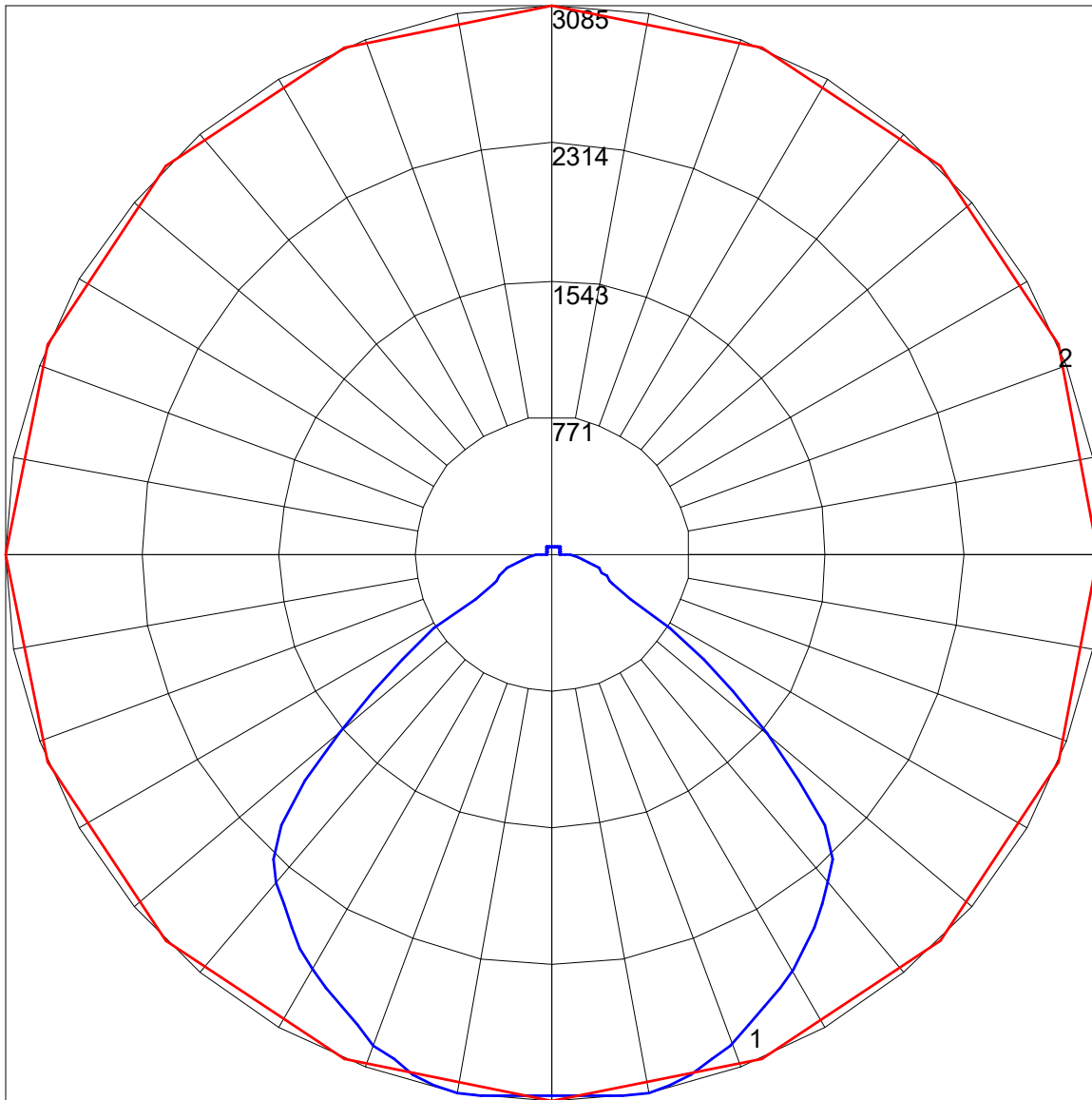
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	72
3	93	84	77	71	90	82	75	70	79	73	68	75	71	67	73	69	65	63
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55
5	79	68	60	54	77	67	59	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	50	43	38	49	42	37	47	41	37	46	40	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 3085 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)