



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12594
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/11/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-830-R16AC
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Interior
 [SEARCH_COLORTEMP] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7585
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)	1.40
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.28
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	10298	10298	10332
55	7801	7815	7779
65	5960	5968	5937
75	2393	2410	2437
85	715	715	726

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R16AC.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2705	2705	2705	2705	2705
2.5	2713	2711	2714	2711	2710
5.0	2760	2763	2766	2762	2755
7.5	2865	2881	2890	2893	2911
10.0	3007	3019	3020	3003	3029
12.5	3133	3130	3140	3136	3136
15.0	3194	3186	3196	3172	3200
17.5	3202	3212	3221	3207	3204
20.0	3179	3188	3170	3166	3170
22.5	3064	3063	3054	3064	3059
25.0	2938	2946	2939	2930	2938
27.5	2853	2857	2857	2847	2849
30.0	2752	2758	2760	2754	2750
32.5	2647	2632	2629	2635	2620
35.0	2420	2427	2415	2387	2400
37.5	2085	2069	2059	2046	2049
40.0	1789	1782	1779	1774	1782
42.5	1626	1621	1624	1627	1621
45.0	1515	1521	1515	1522	1520
47.5	1423	1422	1427	1422	1419
50.0	1307	1302	1310	1303	1308
52.5	1185	1191	1185	1183	1178
55.0	1093	1092	1095	1086	1090
57.5	1021	1022	1021	1018	1015
60.0	932	934	935	929	925
62.5	843	843	839	841	836
65.0	768	768	769	769	765
67.5	687	686	691	689	687
70.0	563	564	567	567	572
72.5	399	402	403	411	405
75.0	272	273	274	275	277
77.5	207	208	207	206	208
80.0	149	149	147	147	147
82.5	100	99	97	98	98
85.0	68	68	68	69	69
87.5	55	54	55	55	55
90.0	48	48	48	49	49
92.5	45	45	45	45	46
95.0	48	49	49	49	49
97.5	58	58	57	57	57
100.0	56	56	56	56	56
102.5	52	52	52	52	52
105.0	52	52	52	53	53
107.5	54	54	53	53	53
110.0	52	52	52	52	52
112.5	48	48	48	49	49
115.0	45	45	46	46	46
117.5	43	44	44	44	44
120.0	42	42	42	42	42
122.5	40	40	40	40	40
125.0	39	39	39	39	39
127.5	39	38	38	38	38
130.0	39	38	38	38	38
132.5	39	38	38	38	37

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R16AC.IES

CANDELA TABULATION - (Cont.)

135.0	38	37	37	37	36
137.5	36	36	35	35	35
140.0	34	34	34	33	33
142.5	33	33	32	32	32
145.0	32	32	31	31	31
147.5	31	31	30	30	30
150.0	30	30	29	29	28
152.5	28	28	28	27	27
155.0	27	27	26	26	26
157.5	26	26	25	25	25
160.0	25	25	25	25	25
162.5	24	24	24	24	24
165.0	23	23	24	24	24
167.5	22	22	23	23	23
170.0	22	22	22	23	23
172.5	21	21	22	22	22
175.0	19	20	20	21	21
177.5	18	18	19	19	19
180.0	17	17	17	17	17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R16AC.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1169.86	N.A.	15.40
0-30	2531.63	N.A.	33.40
0-40	3990.49	N.A.	52.60
0-60	6155.57	N.A.	81.20
0-80	7236.4	N.A.	95.40
0-90	7323.4	N.A.	96.50
10-90	7050.73	N.A.	93.00
20-40	2820.63	N.A.	37.20
20-50	3998.62	N.A.	52.70
40-70	2918.81	N.A.	38.50
60-80	1080.82	N.A.	14.20
70-80	327.09	N.A.	4.30
80-90	87.00	N.A.	1.10
90-110	111.51	N.A.	1.50
90-120	157.45	N.A.	2.10
90-130	192.74	N.A.	2.50
90-150	240.88	N.A.	3.20
90-180	261.95	N.A.	3.50
110-180	150.44	N.A.	2.00
0-180	7585.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	272.66
10-20	897.20
20-30	1361.77
30-40	1458.86
40-50	1177.99
50-60	987.09
60-70	753.73
70-80	327.09
80-90	87.00
90-100	55.51
100-110	56.01
110-120	45.94
120-130	35.29
130-140	28.37
140-150	19.77
150-160	12.38
160-170	6.70
170-180	2.00

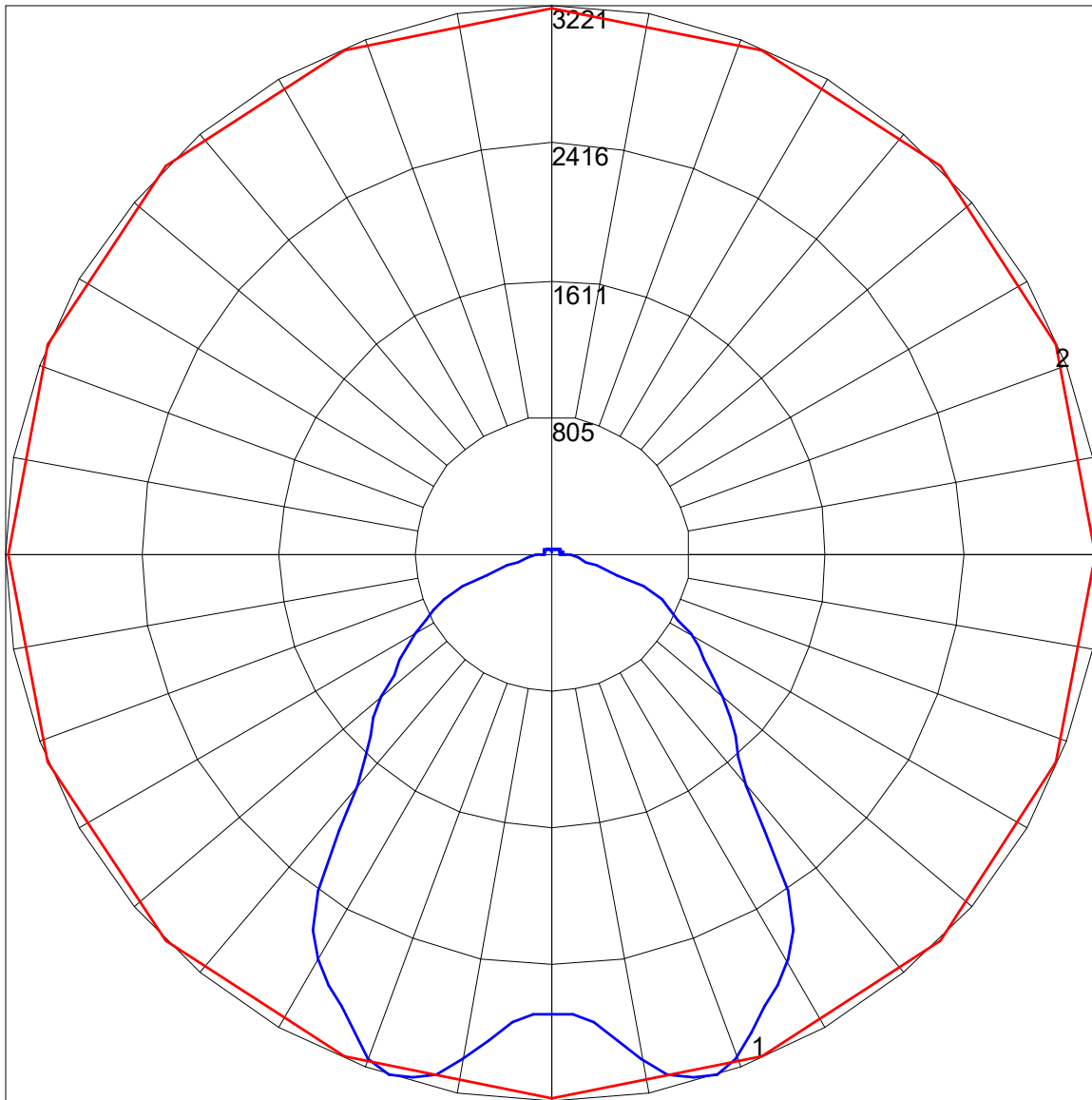
IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R16AC.IES

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	97
1	109	105	101	97	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	71
3	92	82	75	69	89	80	73	68	77	71	66	74	69	65	71	67	63	61
4	85	74	65	59	82	72	64	59	69	63	57	66	61	56	64	59	55	53
5	78	66	58	52	76	65	57	51	62	56	50	60	54	50	58	53	49	47
6	73	60	52	46	71	59	51	45	57	50	45	55	49	44	53	48	43	41
7	68	55	46	41	66	54	46	40	52	45	40	50	44	39	49	43	39	37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	59	46	38	33	57	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 = 3221 Located At Horizontal Angle = 45, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)