



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-850-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12589
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/10/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8005
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)	1.40
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.30
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10876	10937	10842
55	8229	8286	8229
65	6403	6348	6379
75	2577	2577	2586
85	778	768	778

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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	2817	2817	2817	2817	2817
2.5	2823	2823	2826	2824	2824
5.0	2870	2873	2869	2870	2880
7.5	3007	2995	3002	3002	2994
10.0	3118	3159	3158	3161	3135
12.5	3262	3254	3259	3249	3251
15.0	3331	3336	3373	3316	3313
17.5	3395	3345	3362	3342	3326
20.0	3320	3328	3336	3318	3322
22.5	3214	3219	3210	3204	3200
25.0	3084	3082	3085	3084	3067
27.5	2984	2990	2989	2982	2994
30.0	2871	2894	2892	2904	2895
32.5	2766	2767	2766	2780	2786
35.0	2558	2549	2545	2533	2545
37.5	2208	2198	2169	2170	2171
40.0	1881	1880	1873	1871	1868
42.5	1713	1716	1715	1713	1711
45.0	1600	1606	1609	1598	1595
47.5	1494	1508	1512	1506	1496
50.0	1373	1382	1388	1377	1374
52.5	1252	1251	1255	1255	1257
55.0	1153	1153	1161	1159	1153
57.5	1081	1081	1089	1084	1082
60.0	987	988	993	991	988
62.5	895	895	894	897	891
65.0	825	822	818	822	822
67.5	733	735	736	739	736
70.0	607	600	608	613	611
72.5	427	430	433	435	438
75.0	293	292	293	295	294
77.5	223	224	223	223	224
80.0	163	163	161	161	161
82.5	110	109	106	107	108
85.0	74	74	73	74	74
87.5	60	59	58	59	59
90.0	53	53	52	52	52
92.5	48	48	48	48	47
95.0	52	51	51	51	51
97.5	59	60	60	60	60
100.0	61	61	60	60	60
102.5	55	55	55	55	54
105.0	56	56	56	55	56
107.5	56	56	56	56	57
110.0	55	55	55	55	55
112.5	52	52	51	51	50
115.0	49	49	48	48	47
117.5	47	47	46	46	45
120.0	44	45	45	44	44
122.5	43	43	43	43	42
125.0	41	41	41	41	41
127.5	40	40	41	41	41
130.0	40	40	40	41	41
132.5	40	40	40	41	41

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CANDELA TABULATION - (Cont.)

135.0	38	39	39	39	40
137.5	37	37	37	38	38
140.0	35	36	36	36	36
142.5	34	34	35	35	35
145.0	32	33	33	34	34
147.5	31	31	32	32	33
150.0	30	30	31	31	32
152.5	29	29	29	30	30
155.0	28	27	28	28	28
157.5	27	27	27	27	27
160.0	26	26	26	26	26
162.5	25	25	25	25	25
165.0	25	25	25	25	24
167.5	24	24	24	24	24
170.0	23	23	23	24	23
172.5	22	22	22	23	22
175.0	20	21	21	22	22
177.5	18	19	19	20	20
180.0	17	17	17	17	17

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1220.63	N.A.	15.20
0-30	2648.26	N.A.	33.10
0-40	4187.06	N.A.	52.30
0-60	6477.13	N.A.	80.90
0-80	7632.73	N.A.	95.40
0-90	7727.36	N.A.	96.50
10-90	7443.55	N.A.	93.00
20-40	2966.43	N.A.	37.10
20-50	4210.18	N.A.	52.60
40-70	3094.57	N.A.	38.70
60-80	1155.6	N.A.	14.40
70-80	351.11	N.A.	4.40
80-90	94.62	N.A.	1.20
90-110	118.06	N.A.	1.50
90-120	166.64	N.A.	2.10
90-130	204.12	N.A.	2.60
90-150	255.10	N.A.	3.20
90-180	277.27	N.A.	3.50
110-180	159.21	N.A.	2.00
0-180	8004.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	283.80
10-20	936.83
20-30	1427.64
30-40	1538.79
40-50	1243.74
50-60	1046.33
60-70	804.49
70-80	351.11
80-90	94.62
90-100	58.69
100-110	59.37
110-120	48.58
120-130	37.48
130-140	30.04
140-150	20.94
150-160	13.08
160-170	7.02
170-180	2.07

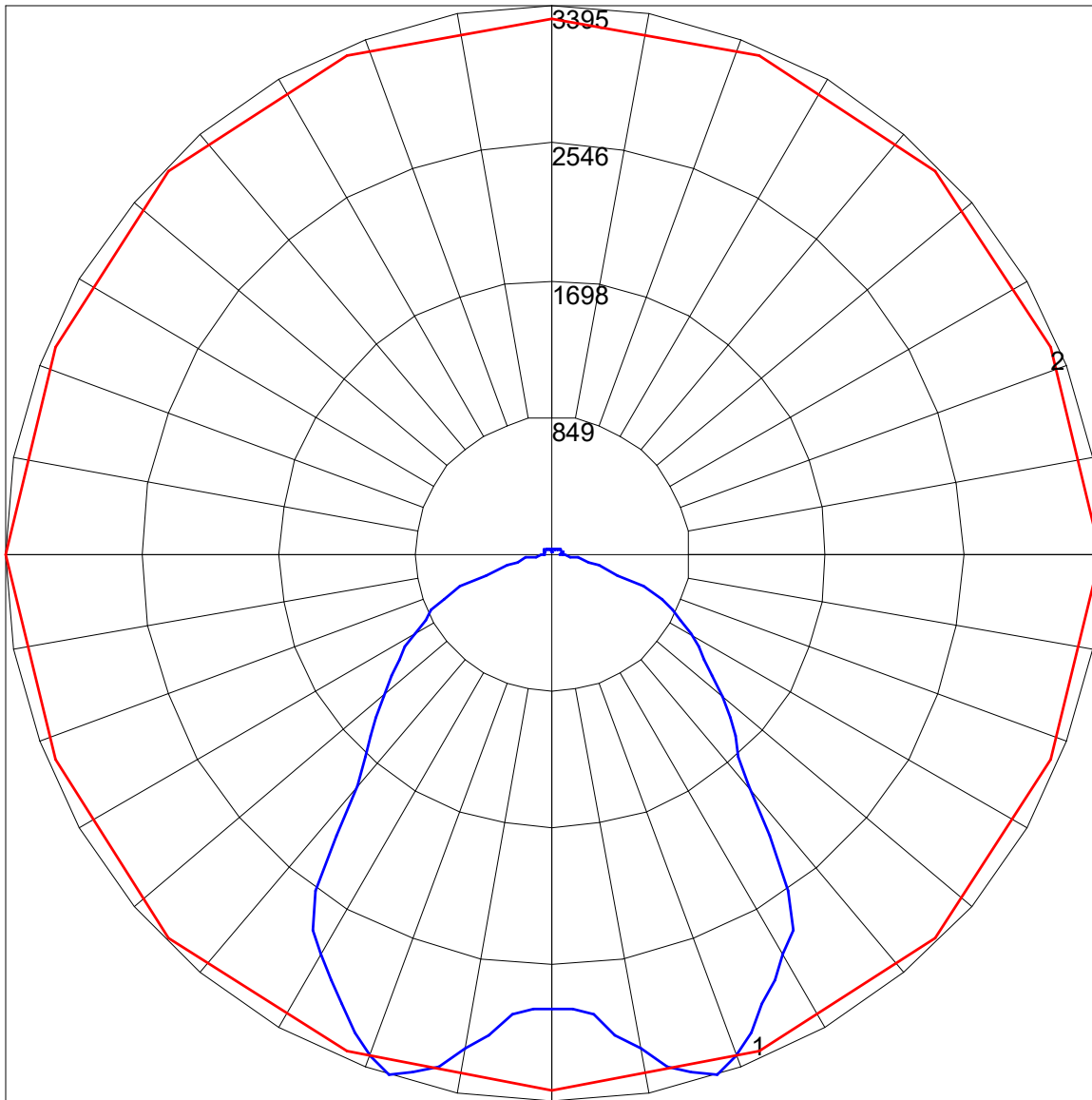
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
1	109	105	101	97	106	102	99	95	97	94	92	93	91	88	89	87	85	83
2	100	92	86	81	97	90	85	80	86	81	77	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	73	65	59	82	72	64	58	69	62	57	66	61	56	64	59	55	53
5	78	66	58	51	76	65	57	51	62	55	50	60	54	49	58	53	49	46
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	53	47	43	41
7	67	55	46	40	66	54	46	40	52	45	40	50	44	39	49	43	39	37
8	63	50	42	36	61	49	42	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 3395 Located At Horizontal Angle = 0, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)