



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-840-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12588
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/10/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7962
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
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	10760	10856	10794
55	8186	8193	8193
65	6263	6278	6255
75	2551	2577	2621
85	768	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	2827	2827	2827	2827	2827
2.5	2835	2834	2836	2832	2834
5.0	2892	2888	2887	2888	2873
7.5	3019	3011	3025	3024	3013
10.0	3175	3147	3175	3162	3158
12.5	3263	3265	3261	3273	3287
15.0	3310	3325	3337	3324	3364
17.5	3350	3361	3343	3362	3364
20.0	3326	3327	3330	3322	3313
22.5	3211	3210	3197	3203	3215
25.0	3075	3072	3073	3074	3073
27.5	2994	2988	2983	2973	2979
30.0	2890	2887	2888	2882	2873
32.5	2758	2761	2756	2748	2745
35.0	2533	2527	2522	2534	2524
37.5	2149	2150	2171	2182	2195
40.0	1856	1859	1874	1881	1881
42.5	1703	1711	1700	1707	1702
45.0	1583	1601	1597	1584	1588
47.5	1497	1500	1501	1485	1486
50.0	1381	1378	1376	1362	1362
52.5	1246	1255	1246	1239	1235
55.0	1147	1144	1148	1154	1148
57.5	1071	1069	1073	1072	1070
60.0	980	977	974	977	973
62.5	883	883	882	886	877
65.0	807	811	809	808	806
67.5	724	726	722	718	712
70.0	604	601	602	591	589
72.5	433	436	427	431	429
75.0	290	293	293	297	298
77.5	218	219	222	223	224
80.0	158	157	157	159	161
82.5	105	105	105	108	107
85.0	73	73	73	74	74
87.5	58	59	59	59	59
90.0	52	52	52	52	52
92.5	48	48	48	49	49
95.0	51	52	52	52	52
97.5	62	61	60	59	59
100.0	61	59	59	59	60
102.5	54	54	55	56	56
105.0	55	55	55	56	56
107.5	56	56	56	56	56
110.0	54	54	54	55	55
112.5	50	51	51	52	52
115.0	47	47	48	49	49
117.5	45	46	46	46	46
120.0	44	44	44	44	44
122.5	42	43	43	43	42
125.0	41	41	41	41	41
127.5	40	40	40	40	40
130.0	41	40	40	40	40
132.5	41	40	40	40	40

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CANDELA TABULATION - (Cont.)

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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1222.98	N.A.	15.40
0-30	2647.96	N.A.	33.30
0-40	4178.35	N.A.	52.50
0-60	6452.12	N.A.	81.00
0-80	7592.43	N.A.	95.40
0-90	7685.93	N.A.	96.50
10-90	7400.71	N.A.	92.90
20-40	2955.37	N.A.	37.10
20-50	4191.98	N.A.	52.60
40-70	3065.43	N.A.	38.50
60-80	1140.3	N.A.	14.30
70-80	348.64	N.A.	4.40
80-90	93.50	N.A.	1.20
90-110	117.97	N.A.	1.50
90-120	166.25	N.A.	2.10
90-130	203.48	N.A.	2.60
90-150	254.13	N.A.	3.20
90-180	276.39	N.A.	3.50
110-180	158.43	N.A.	2.00
0-180	7962.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	285.22
10-20	937.76
20-30	1424.98
30-40	1530.39
40-50	1236.61
50-60	1037.16
60-70	791.66
70-80	348.64
80-90	93.50
90-100	58.92
100-110	59.05
110-120	48.29
120-130	37.23
130-140	29.89
140-150	20.75
150-160	13.07
160-170	7.06
170-180	2.13

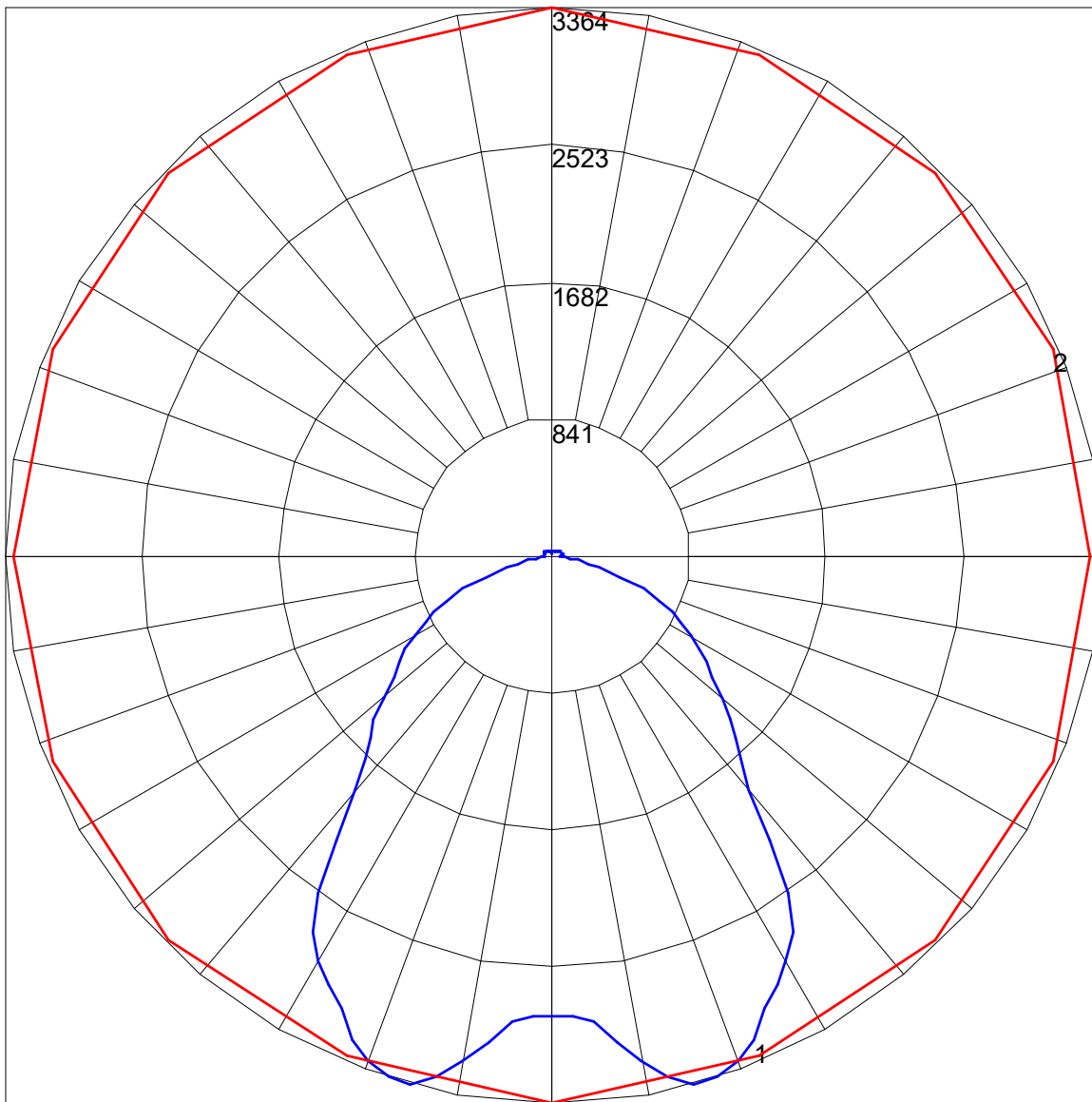
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	86	81	97	90	85	80	86	82	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	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	49	58	53	49	47
6	73	60	52	46	70	59	51	45	57	50	45	55	49	44	53	48	43	41
7	67	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	45	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	29	39	33	29	28

POLAR GRAPH



Maximum Candela = 3364 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)