



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-30L-S-840-R16AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12709
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-840-R16AD
 [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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30451
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.24
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	33485	34028	34756
55	16365	16751	17072
65	17368	17555	17811
75	16889	17012	17197
85	15475	15612	15728

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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	10189	10189	10189	10189	10189
2.5	10176	10183	10201	10221	10230
5.0	10256	10272	10348	10423	10513
7.5	10402	10481	10611	10724	10768
10.0	10688	10719	10851	10932	10930
12.5	10859	10909	10962	11058	11056
15.0	10825	10889	10999	11090	11037
17.5	10938	10852	10892	11026	11001
20.0	10742	10744	10831	10879	10869
22.5	10475	10570	10605	10665	10711
25.0	10333	10364	10443	10483	10509
27.5	10205	10235	10297	10339	10354
30.0	10046	10023	9954	9881	9870
32.5	9532	9504	9428	9330	9321
35.0	8640	8628	8599	8498	8474
37.5	7449	7388	7394	7360	7290
40.0	6314	6321	6353	6359	6327
42.5	5567	5586	5603	5657	5668
45.0	4926	4961	5006	5062	5113
47.5	4301	4322	4396	4480	4507
50.0	3552	3576	3656	3717	3772
52.5	2738	2776	2842	2924	2944
55.0	2293	2317	2347	2381	2392
57.5	2280	2289	2313	2342	2355
60.0	2289	2296	2318	2344	2356
62.5	2272	2278	2297	2321	2335
65.0	2238	2244	2262	2286	2295
67.5	2184	2190	2207	2227	2237
70.0	2110	2117	2132	2148	2155
72.5	2022	2028	2040	2054	2063
75.0	1920	1926	1934	1948	1955
77.5	1813	1810	1825	1838	1843
80.0	1691	1696	1710	1723	1728
82.5	1579	1584	1594	1606	1613
85.0	1471	1475	1484	1495	1495
87.5	1365	1369	1377	1381	1382
90.0	1269	1272	1278	1278	1280
92.5	1192	1194	1196	1201	1203
95.0	1118	1120	1123	1127	1131
97.5	1050	1047	1055	1058	1060
100.0	983	984	989	993	994
102.5	924	924	927	931	933
105.0	869	869	871	874	873
107.5	818	819	820	820	822
110.0	772	772	773	772	772
112.5	728	728	728	728	728
115.0	687	686	688	688	688
117.5	650	649	651	651	651
120.0	616	616	616	616	617
122.5	585	586	585	586	585
125.0	559	559	558	558	557
127.5	534	534	533	531	531
130.0	511	511	510	509	508
132.5	490	490	489	488	488

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CANDELA TABULATION - (Cont.)

135.0	471	470	470	469	469
137.5	453	452	452	451	451
140.0	436	436	436	435	435
142.5	420	420	420	419	419
145.0	406	406	406	405	404
147.5	392	392	391	390	390
150.0	375	378	377	376	376
152.5	358	363	363	360	361
155.0	341	348	348	345	346
157.5	323	332	332	330	329
160.0	309	319	318	316	315
162.5	294	303	304	301	297
165.0	278	285	287	284	280
167.5	263	267	270	267	261
170.0	246	247	249	247	242
172.5	223	224	225	224	221
175.0	192	194	196	198	198
177.5	166	167	170	173	173
180.0	157	157	157	157	157

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4101.5	N.A.	13.50
0-30	8917.34	N.A.	29.30
0-40	14134.62	N.A.	46.40
0-60	20327.38	N.A.	66.80
0-80	24600.57	N.A.	80.80
0-90	26222.14	N.A.	86.10
10-90	25217.34	N.A.	82.80
20-40	10033.12	N.A.	32.90
20-50	13882.71	N.A.	45.60
40-70	8424.83	N.A.	27.70
60-80	4273.19	N.A.	14.00
70-80	2041.12	N.A.	6.70
80-90	1621.57	N.A.	5.30
90-110	2155.88	N.A.	7.10
90-120	2841.76	N.A.	9.30
90-130	3344.93	N.A.	11.00
90-150	3965.82	N.A.	13.00
90-180	4228.39	N.A.	13.90
110-180	2072.5	N.A.	6.80
0-180	30450.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1004.79
10-20	3096.71
20-30	4815.84
30-40	5217.28
40-50	3849.59
50-60	2343.17
60-70	2232.07
70-80	2041.12
80-90	1621.57
90-100	1229.63
100-110	926.26
110-120	685.87
120-130	503.18
130-140	365.40
140-150	255.49
150-160	160.97
160-170	81.26
170-180	20.33

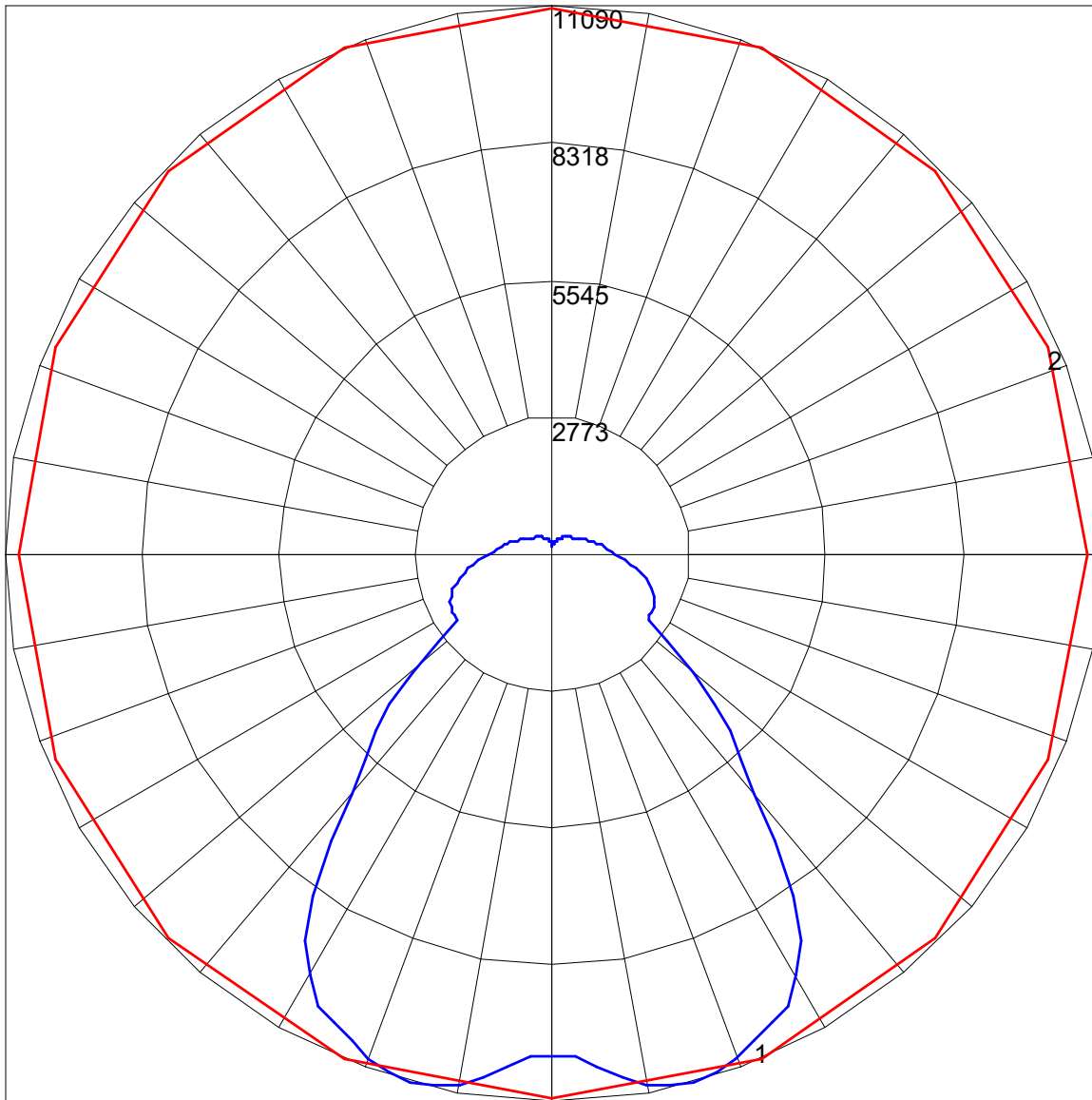
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	105	100	95	91	101	96	92	88	89	86	83	83	80	78	77	75	73	70
2	96	88	81	75	92	85	78	73	79	74	69	73	69	66	68	65	62	59
3	88	78	70	64	84	75	68	62	70	64	59	66	61	57	61	57	54	51
4	81	70	61	55	78	67	60	54	63	57	52	59	54	49	56	51	47	45
5	75	63	54	48	72	61	53	47	57	51	45	54	48	44	51	46	42	40
6	70	57	49	43	67	55	48	42	52	46	40	49	44	39	47	42	38	35
7	65	52	44	38	62	51	43	37	48	41	36	45	39	35	43	38	34	32
8	61	48	40	34	58	47	39	34	44	38	33	42	36	32	40	35	31	29
9	57	44	36	31	55	43	36	31	41	34	30	39	33	29	37	32	28	26
10	53	41	33	28	51	40	33	28	38	32	27	36	31	27	34	29	26	24

POLAR GRAPH



Maximum Candela = 11090 Located At Horizontal Angle = 67.5, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)