



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-850-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12630
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/19/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-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	30250
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	195
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



AUL R16

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	40771	41356	41254
55	31282	31353	31261
65	24205	24097	24050
75	9905	9887	10063
85	2977	2946	2998

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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	10654	10654	10654	10654	10654
2.5	10625	10645	10710	10643	10712
5.0	10788	10879	10944	10931	10992
7.5	11300	11306	11332	11425	11445
10.0	11769	11867	11820	11883	11863
12.5	12199	12295	12259	12243	12335
15.0	12501	12589	12554	12472	12566
17.5	12612	12621	12623	12553	12626
20.0	12480	12537	12534	12432	12546
22.5	12071	12085	12022	12071	12099
25.0	11615	11546	11548	11576	11643
27.5	11200	11207	11229	11271	11257
30.0	10849	10853	10895	10894	10860
32.5	10463	10423	10439	10454	10385
35.0	9604	9599	9559	9632	9605
37.5	8248	8255	8231	8257	8348
40.0	7100	7095	7100	7137	7205
42.5	6452	6431	6502	6554	6480
45.0	5998	5975	6084	6141	6069
47.5	5611	5618	5719	5742	5718
50.0	5147	5199	5258	5286	5299
52.5	4706	4746	4760	4796	4807
55.0	4383	4346	4393	4390	4380
57.5	4071	4086	4105	4115	4104
60.0	3733	3733	3753	3761	3741
62.5	3386	3389	3396	3397	3413
65.0	3119	3107	3105	3113	3099
67.5	2800	2799	2789	2789	2773
70.0	2341	2335	2323	2316	2309
72.5	1689	1681	1693	1674	1675
75.0	1126	1123	1124	1137	1144
77.5	835	840	837	855	858
80.0	610	606	607	610	622
82.5	409	407	405	408	421
85.0	283	282	280	281	285
87.5	224	224	223	225	223
90.0	201	198	196	197	196
92.5	186	184	182	183	181
95.0	196	194	195	197	200
97.5	225	223	224	226	226
100.0	229	228	222	220	221
102.5	212	211	208	205	202
105.0	214	213	210	207	205
107.5	216	214	212	211	209
110.0	212	210	207	206	204
112.5	202	198	195	192	190
115.0	189	186	183	180	177
117.5	178	178	175	173	171
120.0	171	170	168	166	165
122.5	166	165	163	160	159
125.0	159	158	158	154	154
127.5	156	155	155	152	152
130.0	155	155	154	152	153
132.5	154	154	153	153	152

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CANDELA TABULATION - (Cont.)

135.0	148	148	148	148	148
137.5	141	141	142	140	142
140.0	133	135	136	133	134
142.5	127	130	131	129	130
145.0	120	125	125	126	126
147.5	115	120	121	121	122
150.0	111	114	115	115	116
152.5	107	109	110	110	111
155.0	102	105	105	106	107
157.5	99	101	101	101	102
160.0	97	97	97	96	97
162.5	95	95	94	93	94
165.0	93	92	91	91	91
167.5	91	90	90	88	89
170.0	88	88	87	86	85
172.5	83	83	84	81	80
175.0	76	76	79	78	79
177.5	68	68	71	73	74
180.0	64	64	64	64	64

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4596.71	N.A.	15.20
0-30	9962.59	N.A.	32.90
0-40	15770.44	N.A.	52.10
0-60	24443.88	N.A.	80.80
0-80	28843.79	N.A.	95.40
0-90	29202.74	N.A.	96.50
10-90	28129.38	N.A.	93.00
20-40	11173.73	N.A.	36.90
20-50	15881.8	N.A.	52.50
40-70	11724.79	N.A.	38.80
60-80	4399.91	N.A.	14.50
70-80	1348.56	N.A.	4.50
80-90	358.94	N.A.	1.20
90-110	445.75	N.A.	1.50
90-120	629.95	N.A.	2.10
90-130	772.31	N.A.	2.60
90-150	964.66	N.A.	3.20
90-180	1047.42	N.A.	3.50
110-180	601.66	N.A.	2.00
0-180	30250.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1073.36
10-20	3523.36
20-30	5365.88
30-40	5807.85
40-50	4708.07
50-60	3965.36
60-70	3051.35
70-80	1348.56
80-90	358.94
90-100	222.05
100-110	223.70
110-120	184.20
120-130	142.36
130-140	113.77
140-150	78.59
150-160	48.96
160-170	26.14
170-180	7.65

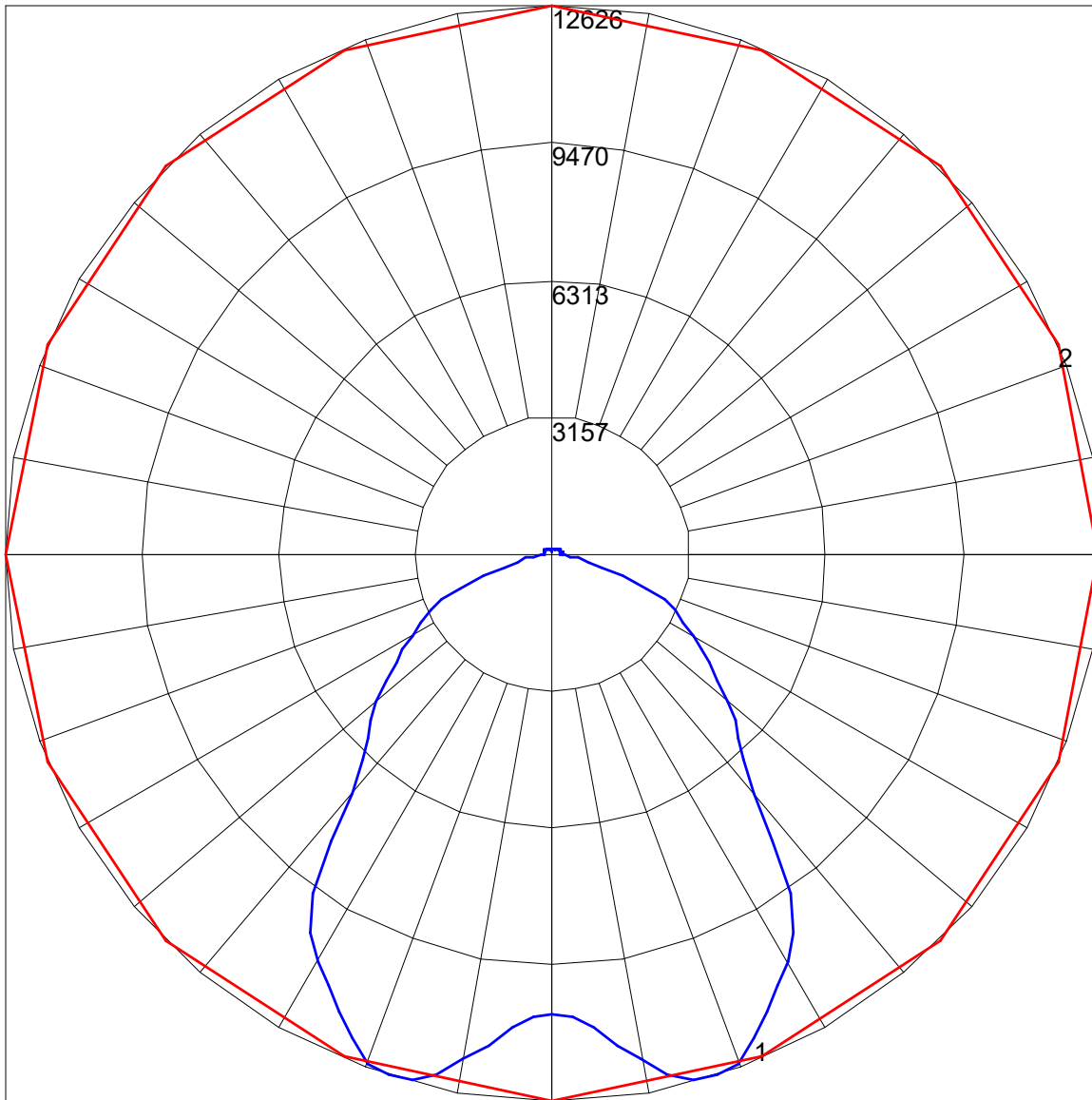
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	79	75	79	76	73	71
3	92	82	74	68	89	80	73	68	77	71	66	74	69	64	71	67	63	61
4	84	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	48	46
6	72	60	51	45	70	59	51	45	57	50	44	55	48	44	53	47	43	41
7	67	55	46	40	65	54	46	40	52	45	40	50	44	39	48	43	39	37
8	63	50	42	36	61	49	41	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	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 = 12626 Located At Horizontal Angle = 90, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)