



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-830-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12631
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/22/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-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	28493
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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)	1.28
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	38957	38746	38474
55	29134	29405	29319
65	22436	22420	22614
75	9034	9104	9280
85	2714	2672	2704

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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	10153	10153	10153	10153	10153
2.5	10177	10179	10185	10177	10171
5.0	10436	10437	10409	10398	10378
7.5	10930	10865	10843	10787	10788
10.0	11355	11293	11333	11262	11296
12.5	11685	11721	11670	11720	11705
15.0	11959	11925	11940	11956	11962
17.5	11966	11944	12017	12024	12087
20.0	11906	11859	11897	11879	11921
22.5	11430	11449	11431	11463	11468
25.0	11001	11007	10979	10991	11008
27.5	10698	10675	10647	10641	10661
30.0	10285	10297	10342	10303	10241
32.5	9834	9901	9902	9855	9846
35.0	9093	9088	9053	9062	9083
37.5	7843	7770	7732	7807	7815
40.0	6754	6689	6672	6709	6706
42.5	6118	6144	6103	6087	6082
45.0	5731	5732	5700	5652	5660
47.5	5382	5394	5354	5323	5278
50.0	4960	4948	4924	4882	4851
52.5	4506	4484	4456	4440	4427
55.0	4082	4113	4120	4099	4108
57.5	3831	3848	3859	3833	3824
60.0	3495	3508	3516	3493	3499
62.5	3172	3166	3166	3167	3185
65.0	2891	2895	2889	2893	2914
67.5	2603	2591	2589	2592	2606
70.0	2141	2147	2151	2158	2156
72.5	1532	1533	1540	1542	1553
75.0	1027	1031	1035	1033	1055
77.5	782	778	775	782	777
80.0	568	564	556	555	557
82.5	378	373	370	369	372
85.0	258	257	254	257	257
87.5	203	203	202	206	207
90.0	179	181	180	183	185
92.5	167	168	169	170	171
95.0	181	180	181	181	183
97.5	209	211	207	208	208
100.0	206	207	209	210	209
102.5	190	192	195	197	196
105.0	196	195	197	199	199
107.5	201	199	199	200	201
110.0	192	193	193	195	197
112.5	176	179	182	185	187
115.0	166	168	172	175	176
117.5	161	162	164	166	167
120.0	156	157	159	159	159
122.5	150	151	152	153	153
125.0	144	145	147	148	147
127.5	143	144	145	145	145
130.0	144	144	145	144	144
132.5	144	144	144	143	143

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CANDELA TABULATION - (Cont.)

135.0	140	140	140	139	139
137.5	134	133	133	133	132
140.0	127	127	128	127	126
142.5	122	122	123	122	121
145.0	119	117	119	117	116
147.5	115	113	114	113	111
150.0	110	108	109	108	107
152.5	104	103	104	103	102
155.0	99	98	99	99	97
157.5	95	94	95	95	94
160.0	90	90	92	92	91
162.5	86	87	89	90	90
165.0	82	84	86	88	89
167.5	80	82	85	87	88
170.0	77	79	83	85	86
172.5	73	76	79	82	82
175.0	70	71	74	77	78
177.5	66	67	68	71	73
180.0	63	63	63	63	63

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4380.84	N.A.	15.40
0-30	9473.86	N.A.	33.30
0-40	14960.27	N.A.	52.50
0-60	23104.09	N.A.	81.10
0-80	27185.4	N.A.	95.40
0-90	27512.92	N.A.	96.60
10-90	26488.74	N.A.	93.00
20-40	10579.43	N.A.	37.10
20-50	15007.2	N.A.	52.70
40-70	10986.03	N.A.	38.60
60-80	4081.31	N.A.	14.30
70-80	1239.1	N.A.	4.30
80-90	327.52	N.A.	1.10
90-110	415.03	N.A.	1.50
90-120	587.32	N.A.	2.10
90-130	720.65	N.A.	2.50
90-150	901.87	N.A.	3.20
90-180	979.85	N.A.	3.40
110-180	564.82	N.A.	2.00
0-180	28492.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1024.18
10-20	3356.66
20-30	5093.02
30-40	5486.41
40-50	4427.78
50-60	3716.05
60-70	2842.21
70-80	1239.1
80-90	327.52
90-100	205.48
100-110	209.55
110-120	172.29
120-130	133.34
130-140	107.06
140-150	74.16
150-160	46.07
160-170	24.61
170-180	7.30

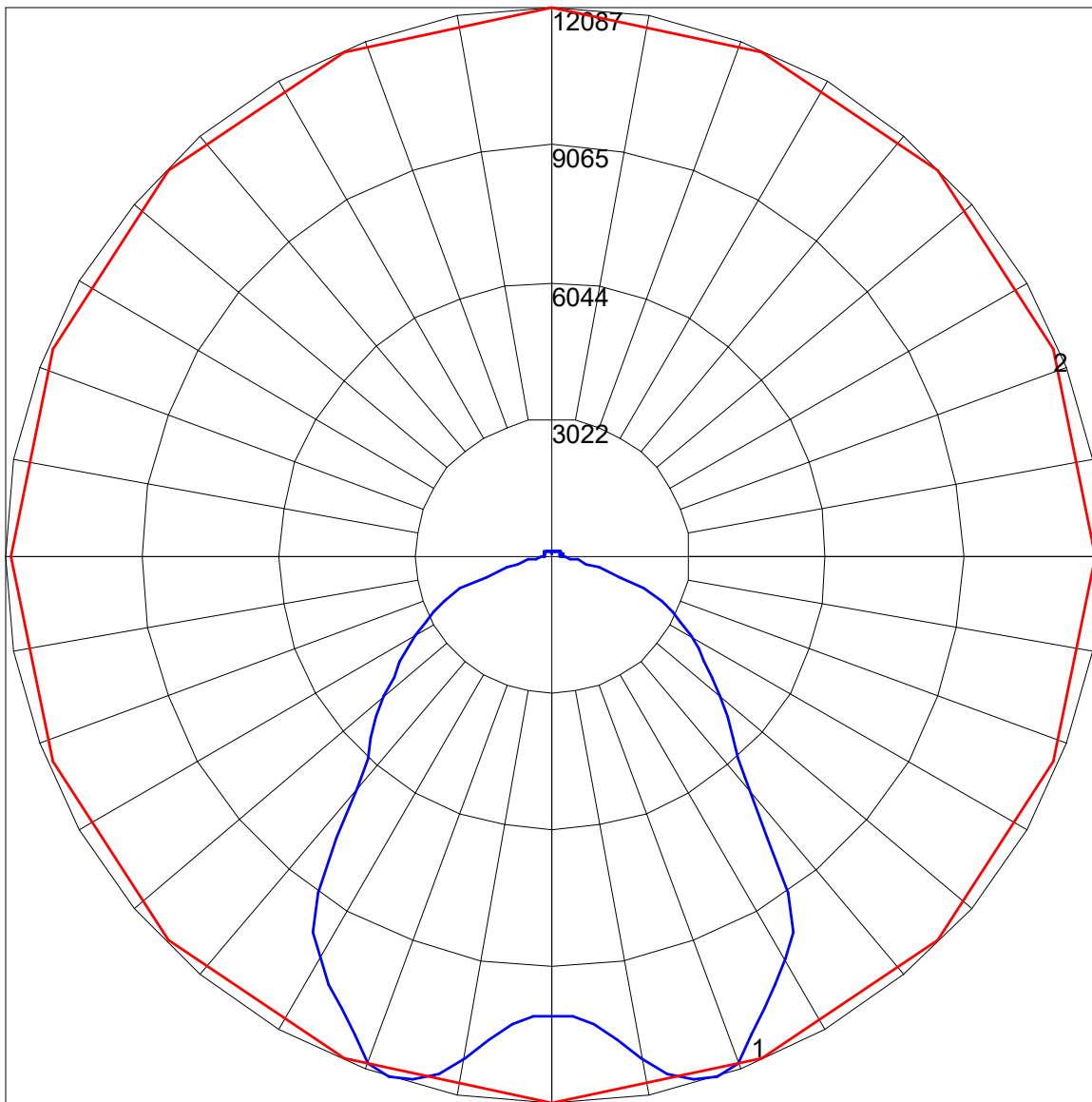
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	97	95	92	93	91	88	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	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	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	29	39	33	29	28

POLAR GRAPH



Maximum Candela = 12087 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.)