



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-830-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-830-R22AW
 [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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28572
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	195
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.67 ft



AUL R22

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32062	32066	31708
55	16806	16738	16695
65	6360	6380	6409
75	5204	5187	5193
85	2778	2786	2845

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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	11465	11465	11465	11465	11465
2.5	11483	11484	11492	11496	11492
5.0	11532	11533	11544	11544	11536
7.5	11566	11568	11575	11573	11572
10.0	11571	11575	11588	11585	11581
12.5	11514	11528	11531	11543	11540
15.0	11398	11406	11410	11411	11411
17.5	11250	11246	11248	11261	11266
20.0	11075	11059	11063	11092	11082
22.5	10854	10812	10826	10854	10828
25.0	10614	10596	10593	10607	10601
27.5	10405	10393	10388	10396	10393
30.0	10185	10179	10175	10174	10174
32.5	9933	9929	9933	9927	9928
35.0	9664	9660	9661	9654	9653
37.5	9383	9370	9378	9372	9370
40.0	9088	9086	9089	9091	9089
42.5	8771	8769	8756	8777	8798
45.0	8142	8146	8143	8117	8052
47.5	7152	7120	7102	7085	7059
50.0	5930	5937	5897	5855	5930
52.5	4834	4850	4822	4787	4800
55.0	3931	3921	3915	3938	3905
57.5	2940	2931	2973	2981	2992
60.0	1895	1854	1904	1933	1963
62.5	1400	1402	1411	1415	1406
65.0	1315	1317	1319	1322	1325
67.5	1225	1227	1228	1232	1230
70.0	1126	1127	1128	1127	1131
72.5	1018	1019	1020	1015	1016
75.0	902	904	899	899	900
77.5	774	776	776	777	778
80.0	648	647	649	650	651
82.5	516	511	514	519	520
85.0	374	375	375	380	383
87.5	235	236	236	237	237
90.0	133	133	131	129	126
92.5	130	130	130	130	130
95.0	135	135	135	135	135
97.5	141	141	141	141	141
100.0	147	147	146	146	146
102.5	151	151	151	150	150
105.0	156	156	156	155	155
107.5	161	160	160	160	160
110.0	164	164	164	164	164
112.5	168	168	168	168	168
115.0	171	171	172	171	172
117.5	175	175	175	175	175
120.0	178	178	178	177	178
122.5	180	180	180	180	180
125.0	182	182	182	182	182
127.5	183	184	183	183	184
130.0	185	185	185	185	185
132.5	187	187	187	186	187

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CANDELA TABULATION - (Cont.)

135.0	188	188	188	187	187
137.5	189	189	188	188	188
140.0	189	189	189	189	189
142.5	188	189	189	189	189
145.0	188	189	189	188	189
147.5	187	188	189	188	188
150.0	186	187	188	187	187
152.5	184	185	185	185	185
155.0	183	183	183	182	183
157.5	181	180	180	180	180
160.0	180	179	178	178	178
162.5	178	177	176	175	175
165.0	174	172	172	170	170
167.5	169	167	167	165	165
170.0	164	164	163	163	162
172.5	159	159	160	160	160
175.0	153	154	156	156	156
177.5	148	148	150	151	151
180.0	143	143	143	143	143

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4320.95	N.A.	15.10
0-30	9221.42	N.A.	32.30
0-40	15269.34	N.A.	53.40
0-60	24801.18	N.A.	86.80
0-80	27101.00	N.A.	94.90
0-90	27514.53	N.A.	96.30
10-90	26411.85	N.A.	92.40
20-40	10948.39	N.A.	38.30
20-50	17012.44	N.A.	59.50
40-70	10885.89	N.A.	38.10
60-80	2299.82	N.A.	8.00
70-80	945.77	N.A.	3.30
80-90	413.53	N.A.	1.40
90-110	312.82	N.A.	1.10
90-120	482.78	N.A.	1.70
90-130	645.72	N.A.	2.30
90-150	909.23	N.A.	3.20
90-180	1057.71	N.A.	3.70
110-180	744.89	N.A.	2.60
0-180	28572.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1102.68
10-20	3218.27
20-30	4900.47
30-40	6047.92
40-50	6064.04
50-60	3467.8
60-70	1354.05
70-80	945.77
80-90	413.53
90-100	148.50
100-110	164.32
110-120	169.96
120-130	162.94
130-140	145.12
140-150	118.39
150-160	84.66
160-170	48.79
170-180	15.04

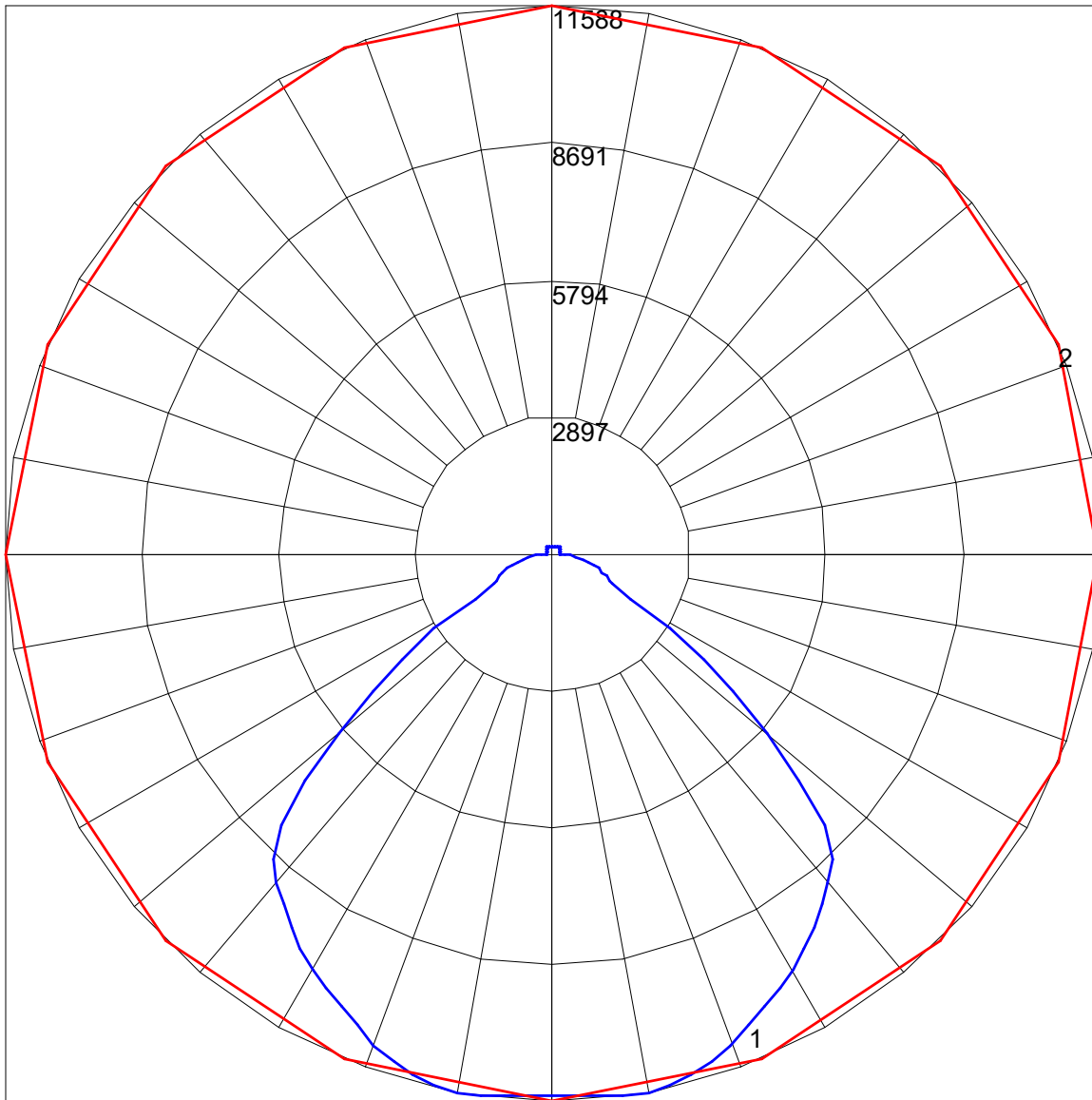
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	88	86	84
2	101	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	73
3	93	84	77	71	90	82	75	70	79	73	68	75	71	67	73	69	65	63
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55
5	79	68	60	54	77	67	59	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	50	43	38	49	42	37	47	41	37	46	40	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 11588 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)