



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-12L-S-830-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-12L-S-830-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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11457
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	75
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12596	12807	13078
55	6159	6302	6423
65	6534	6604	6697
75	6351	6404	6474
85	5818	5870	5923

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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	3833	3833	3833	3833	3833
2.5	3828	3831	3838	3845	3849
5.0	3859	3864	3893	3921	3956
7.5	3914	3943	3992	4034	4052
10.0	4021	4033	4082	4112	4112
12.5	4086	4104	4124	4160	4160
15.0	4072	4096	4138	4172	4152
17.5	4115	4083	4098	4148	4139
20.0	4041	4042	4074	4092	4089
22.5	3941	3976	3990	4013	4030
25.0	3887	3899	3929	3944	3954
27.5	3840	3851	3874	3890	3896
30.0	3780	3771	3745	3717	3713
32.5	3586	3575	3547	3510	3507
35.0	3250	3246	3235	3197	3188
37.5	2803	2780	2782	2768	2743
40.0	2375	2378	2390	2392	2381
42.5	2095	2101	2108	2128	2133
45.0	1853	1867	1884	1905	1924
47.5	1619	1626	1654	1685	1695
50.0	1336	1346	1375	1398	1419
52.5	1030	1044	1069	1100	1107
55.0	863	872	883	896	900
57.5	858	861	871	881	886
60.0	861	864	872	882	887
62.5	854	857	864	873	878
65.0	842	844	851	860	863
67.5	822	824	831	838	842
70.0	794	796	802	808	811
72.5	760	763	768	773	776
75.0	722	724	728	733	736
77.5	682	680	686	692	694
80.0	636	638	643	648	650
82.5	594	596	600	604	607
85.0	553	555	558	563	563
87.5	513	515	518	520	520
90.0	477	479	481	481	482
92.5	449	450	450	451	452
95.0	421	421	423	424	426
97.5	395	393	397	398	399
100.0	370	371	372	374	374
102.5	348	348	349	351	351
105.0	327	327	328	329	329
107.5	308	308	309	309	309
110.0	291	291	291	291	291
112.5	274	274	274	274	274
115.0	259	259	259	259	259
117.5	244	244	245	245	245
120.0	232	232	232	232	232
122.5	220	220	220	220	220
125.0	210	210	210	210	209
127.5	201	201	201	200	200
130.0	192	192	192	191	191
132.5	184	184	184	183	183

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CANDELA TABULATION - (Cont.)

135.0	177	177	177	177	177
137.5	170	170	170	170	170
140.0	164	164	164	163	163
142.5	158	158	158	158	158
145.0	153	153	153	152	152
147.5	147	147	147	146	146
150.0	141	143	142	142	142
152.5	135	137	137	136	136
155.0	128	131	131	130	130
157.5	122	125	125	125	124
160.0	116	120	120	119	119
162.5	110	114	114	113	112
165.0	105	107	108	106	105
167.5	99	101	102	101	98
170.0	92	93	94	93	91
172.5	84	85	85	85	83
175.0	72	73	74	74	74
177.5	63	63	64	65	65
180.0	59	59	59	59	59

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1543.01	N.A.	13.50
0-30	3354.85	N.A.	29.30
0-40	5317.64	N.A.	46.40
0-60	7647.55	N.A.	66.80
0-80	9255.13	N.A.	80.80
0-90	9865.25	N.A.	86.10
10-90	9487.23	N.A.	82.80
20-40	3774.63	N.A.	32.90
20-50	5222.97	N.A.	45.60
40-70	3169.65	N.A.	27.70
60-80	1607.57	N.A.	14.00
70-80	767.84	N.A.	6.70
80-90	610.12	N.A.	5.30
90-110	811.46	N.A.	7.10
90-120	1069.7	N.A.	9.30
90-130	1258.96	N.A.	11.00
90-150	1492.47	N.A.	13.00
90-180	1591.39	N.A.	13.90
110-180	779.92	N.A.	6.80
0-180	11456.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	378.01
10-20	1165.00
20-30	1811.84
30-40	1962.79
40-50	1448.34
50-60	881.57
60-70	839.74
70-80	767.84
80-90	610.12
90-100	462.67
100-110	348.80
110-120	258.23
120-130	189.26
130-140	137.42
140-150	96.09
150-160	60.69
160-170	30.57
170-180	7.66

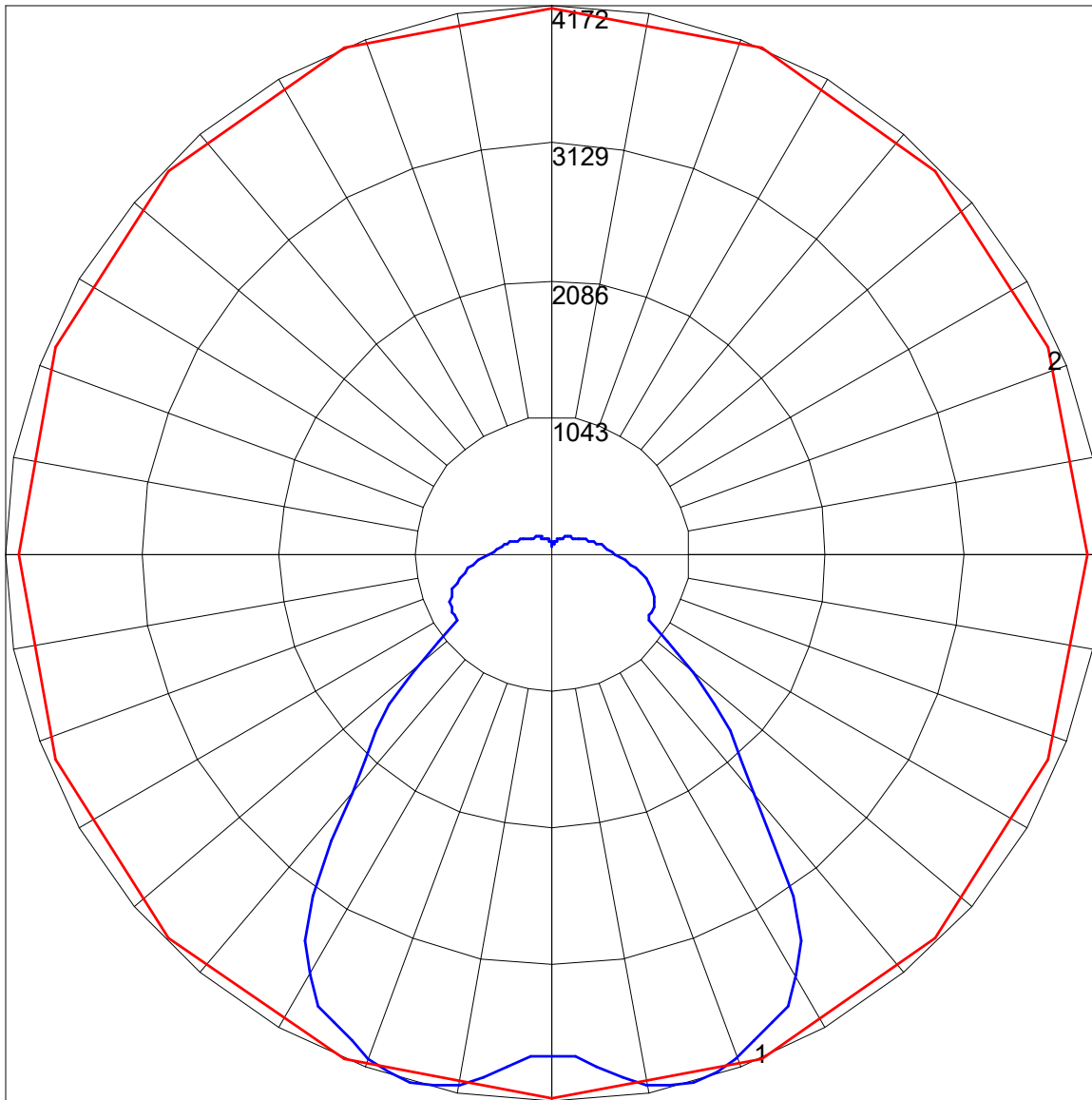
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	43	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 = 4172 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.)