



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-18L-S-830-R22AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12706
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-18L-S-830-R22AD
 [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	16860
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	111
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
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	17075	16886	16748
55	9030	9188	9461
65	4406	4397	4406
75	4189	4206	4235
85	3789	3826	3855

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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	6270	6270	6270	6270	6270
2.5	6264	6270	6280	6296	6306
5.0	6286	6290	6300	6312	6325
7.5	6291	6296	6306	6319	6333
10.0	6285	6290	6298	6316	6328
12.5	6243	6245	6257	6273	6292
15.0	6150	6154	6180	6186	6198
17.5	6034	6052	6073	6086	6101
20.0	5895	5915	5949	5974	5993
22.5	5726	5759	5789	5823	5832
25.0	5593	5612	5639	5659	5673
27.5	5469	5483	5501	5515	5530
30.0	5341	5349	5363	5374	5380
32.5	5202	5207	5219	5227	5231
35.0	5052	5059	5068	5075	5077
37.5	4906	4913	4913	4923	4929
40.0	4768	4772	4776	4785	4790
42.5	4629	4623	4626	4611	4609
45.0	4336	4313	4288	4257	4253
47.5	3790	3787	3760	3737	3718
50.0	3139	3147	3150	3135	3133
52.5	2576	2584	2600	2615	2599
55.0	2112	2132	2149	2188	2213
57.5	1625	1643	1688	1716	1750
60.0	1105	1137	1180	1207	1225
62.5	914	920	935	945	956
65.0	911	910	909	909	911
67.5	883	882	884	884	886
70.0	838	839	841	843	845
72.5	785	786	787	790	792
75.0	726	728	729	733	734
77.5	668	670	671	672	674
80.0	613	615	616	618	620
82.5	562	562	563	566	568
85.0	510	512	515	517	519
87.5	465	464	468	471	473
90.0	421	423	425	429	433
92.5	391	392	394	396	398
95.0	363	364	366	368	370
97.5	337	339	341	343	343
100.0	315	316	316	318	319
102.5	294	294	295	297	298
105.0	273	274	276	277	278
107.5	255	256	258	260	260
110.0	240	241	242	243	244
112.5	227	227	228	229	229
115.0	215	215	216	216	216
117.5	204	205	205	205	206
120.0	194	194	194	194	194
122.5	185	186	185	186	186
125.0	177	177	177	177	177
127.5	170	170	170	170	170
130.0	163	163	163	163	163
132.5	158	158	158	158	157

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CANDELA TABULATION - (Cont.)

135.0	152	152	152	151	151
137.5	147	147	147	147	147
140.0	143	142	142	142	142
142.5	138	137	137	137	137
145.0	133	132	132	132	132
147.5	130	129	128	129	129
150.0	126	125	124	125	125
152.5	122	121	120	121	121
155.0	118	117	116	116	116
157.5	115	115	113	113	113
160.0	111	112	110	109	109
162.5	108	109	107	105	105
165.0	105	104	103	101	100
167.5	101	101	100	99	97
170.0	99	99	98	97	96
172.5	96	96	96	95	95
175.0	94	94	94	94	94
177.5	91	91	92	91	91
180.0	87	87	87	87	87

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2341.47	N.A.	13.90
0-30	4946.06	N.A.	29.30
0-40	8122.3	N.A.	48.20
0-60	13235.41	N.A.	78.50
0-80	14931.2	N.A.	88.60
0-90	15494.98	N.A.	91.90
10-90	14893.51	N.A.	88.30
20-40	5780.83	N.A.	34.30
20-50	8982.5	N.A.	53.30
40-70	6038.14	N.A.	35.80
60-80	1695.8	N.A.	10.10
70-80	770.77	N.A.	4.60
80-90	563.78	N.A.	3.30
90-110	695.18	N.A.	4.10
90-120	910.54	N.A.	5.40
90-130	1070.3	N.A.	6.30
90-150	1272.15	N.A.	7.50
90-180	1365.11	N.A.	8.10
110-180	669.93	N.A.	4.00
0-180	16860.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	601.47
10-20	1740.00
20-30	2604.59
30-40	3176.24
40-50	3201.67
50-60	1911.44
60-70	925.03
70-80	770.77
80-90	563.78
90-100	401.75
100-110	293.43
110-120	215.35
120-130	159.76
130-140	118.15
140-150	83.70
150-160	54.43
160-170	29.48
170-180	9.06

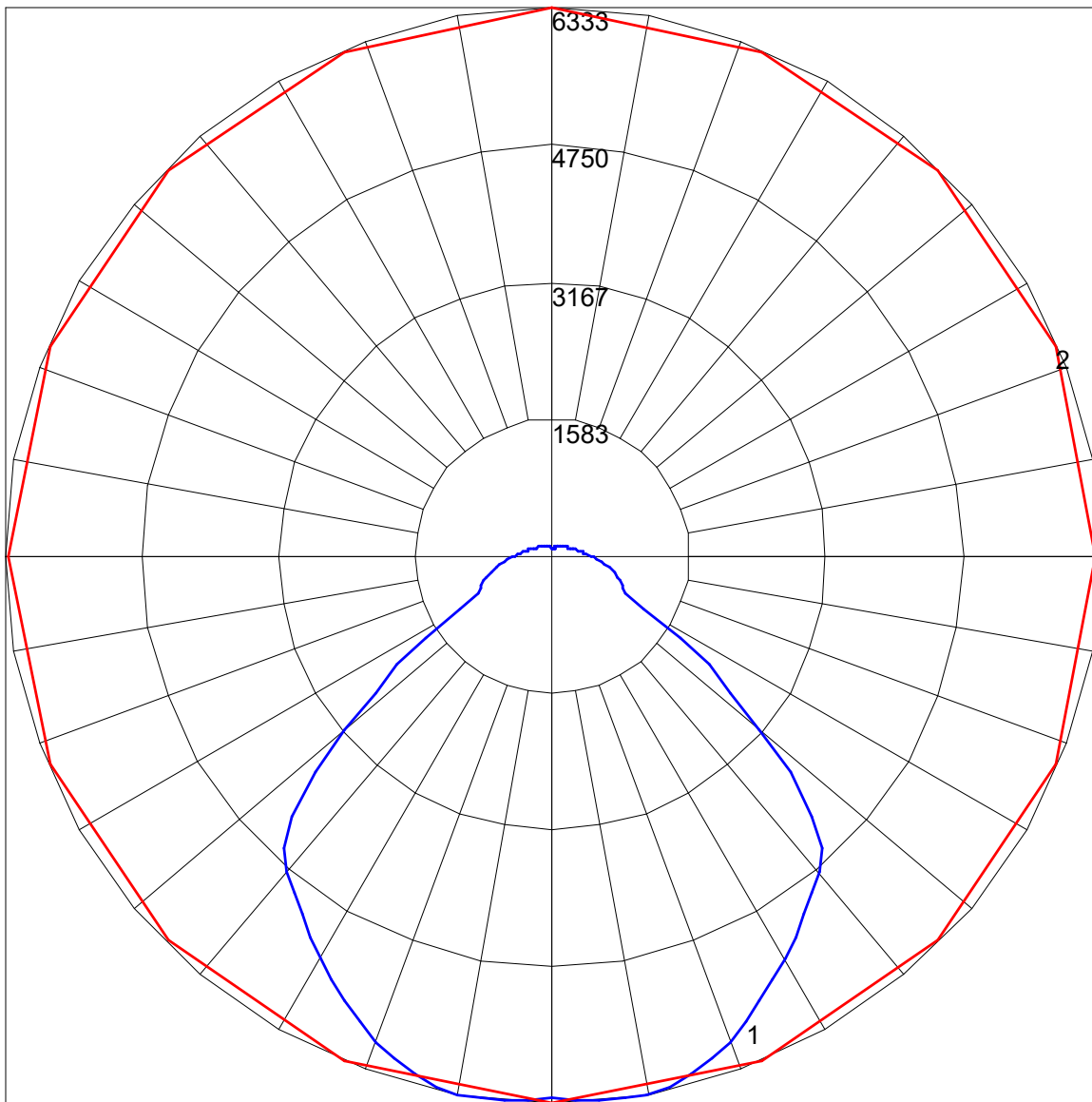
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	107	103	99	95	104	100	96	93	94	91	88	89	86	84	84	82	80	78
2	99	91	85	79	95	88	83	78	84	79	75	79	75	72	75	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	67	63	60	57
4	83	72	64	58	81	71	63	57	67	61	56	64	58	54	61	56	52	50
5	77	65	57	51	75	64	56	50	61	54	49	58	52	47	55	50	46	44
6	71	59	51	45	69	58	50	44	55	48	43	53	47	42	50	45	41	39
7	66	54	45	40	64	53	45	39	50	43	38	48	42	38	46	41	37	35
8	62	49	41	36	60	48	40	35	46	39	35	44	38	34	43	37	33	31
9	58	45	37	32	56	44	37	32	43	36	31	41	35	31	39	34	30	28
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26

POLAR GRAPH



Maximum Candela = 6333 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)