



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-840-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-30L-S-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30385
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	195
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	30767	30432	30184
55	16272	16554	17046
65	7937	7927	7937
75	7547	7582	7633
85	6827	6886	6953

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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	11298	11298	11298	11298	11298
2.5	11288	11299	11317	11346	11365
5.0	11327	11335	11352	11375	11398
7.5	11337	11346	11365	11388	11412
10.0	11326	11335	11349	11382	11403
12.5	11251	11254	11276	11305	11339
15.0	11084	11090	11137	11148	11170
17.5	10874	10906	10944	10969	10995
20.0	10623	10658	10721	10766	10800
22.5	10319	10378	10432	10494	10509
25.0	10080	10114	10163	10198	10224
27.5	9855	9880	9914	9938	9964
30.0	9624	9639	9665	9684	9695
32.5	9374	9384	9405	9420	9427
35.0	9105	9117	9133	9146	9149
37.5	8841	8854	8854	8871	8882
40.0	8592	8599	8608	8623	8633
42.5	8341	8332	8337	8310	8306
45.0	7813	7773	7728	7672	7665
47.5	6830	6826	6777	6734	6700
50.0	5658	5671	5676	5650	5646
52.5	4642	4656	4686	4711	4682
55.0	3806	3841	3872	3944	3987
57.5	2927	2960	3041	3092	3153
60.0	1992	2049	2126	2175	2207
62.5	1647	1659	1685	1703	1722
65.0	1641	1640	1639	1638	1641
67.5	1590	1589	1592	1592	1596
70.0	1510	1512	1516	1519	1523
72.5	1415	1417	1419	1424	1427
75.0	1308	1311	1314	1321	1323
77.5	1203	1206	1210	1212	1215
80.0	1105	1108	1110	1113	1117
82.5	1012	1012	1015	1020	1024
85.0	919	923	927	933	936
87.5	837	836	842	850	853
90.0	759	762	766	774	780
92.5	704	706	710	714	717
95.0	654	656	660	664	667
97.5	608	611	614	617	618
100.0	567	569	571	574	576
102.5	529	530	532	535	537
105.0	493	494	497	500	501
107.5	461	462	465	468	469
110.0	434	435	436	439	440
112.5	409	410	412	413	413
115.0	387	388	389	389	390
117.5	368	369	369	369	370
120.0	350	351	351	351	351
122.5	334	335	334	335	335
125.0	320	320	320	320	320
127.5	307	307	307	307	307
130.0	295	295	295	295	295
132.5	285	285	284	284	283

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CANDELA TABULATION - (Cont.)

135.0	275	275	274	273	273
137.5	266	266	265	264	264
140.0	257	256	256	255	255
142.5	248	247	247	247	247
145.0	241	239	238	239	239
147.5	233	232	231	232	232
150.0	226	225	224	225	225
152.5	220	218	216	218	218
155.0	213	212	209	210	210
157.5	207	206	203	203	203
160.0	200	201	198	196	196
162.5	195	196	193	189	189
165.0	189	188	186	183	181
167.5	182	182	180	178	174
170.0	177	177	176	174	172
172.5	173	173	172	171	171
175.0	169	169	169	169	169
177.5	165	165	166	165	165
180.0	158	158	158	158	158

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4219.58	N.A.	13.90
0-30	8913.27	N.A.	29.30
0-40	14637.19	N.A.	48.20
0-60	23851.38	N.A.	78.50
0-80	26907.25	N.A.	88.60
0-90	27923.21	N.A.	91.90
10-90	26839.31	N.A.	88.30
20-40	10417.61	N.A.	34.30
20-50	16187.6	N.A.	53.30
40-70	10881.01	N.A.	35.80
60-80	3055.87	N.A.	10.10
70-80	1389.05	N.A.	4.60
80-90	1015.96	N.A.	3.30
90-110	1253.17	N.A.	4.10
90-120	1641.55	N.A.	5.40
90-130	1930.14	N.A.	6.40
90-150	2294.14	N.A.	7.60
90-180	2461.58	N.A.	8.10
110-180	1208.41	N.A.	4.00
0-180	30384.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1083.9
10-20	3135.68
20-30	4693.69
30-40	5723.92
40-50	5769.99
50-60	3444.2
60-70	1666.82
70-80	1389.05
80-90	1015.96
90-100	724.07
100-110	529.10
110-120	388.39
120-130	288.59
130-140	213.12
140-150	150.88
150-160	98.05
160-170	53.10
170-180	16.29

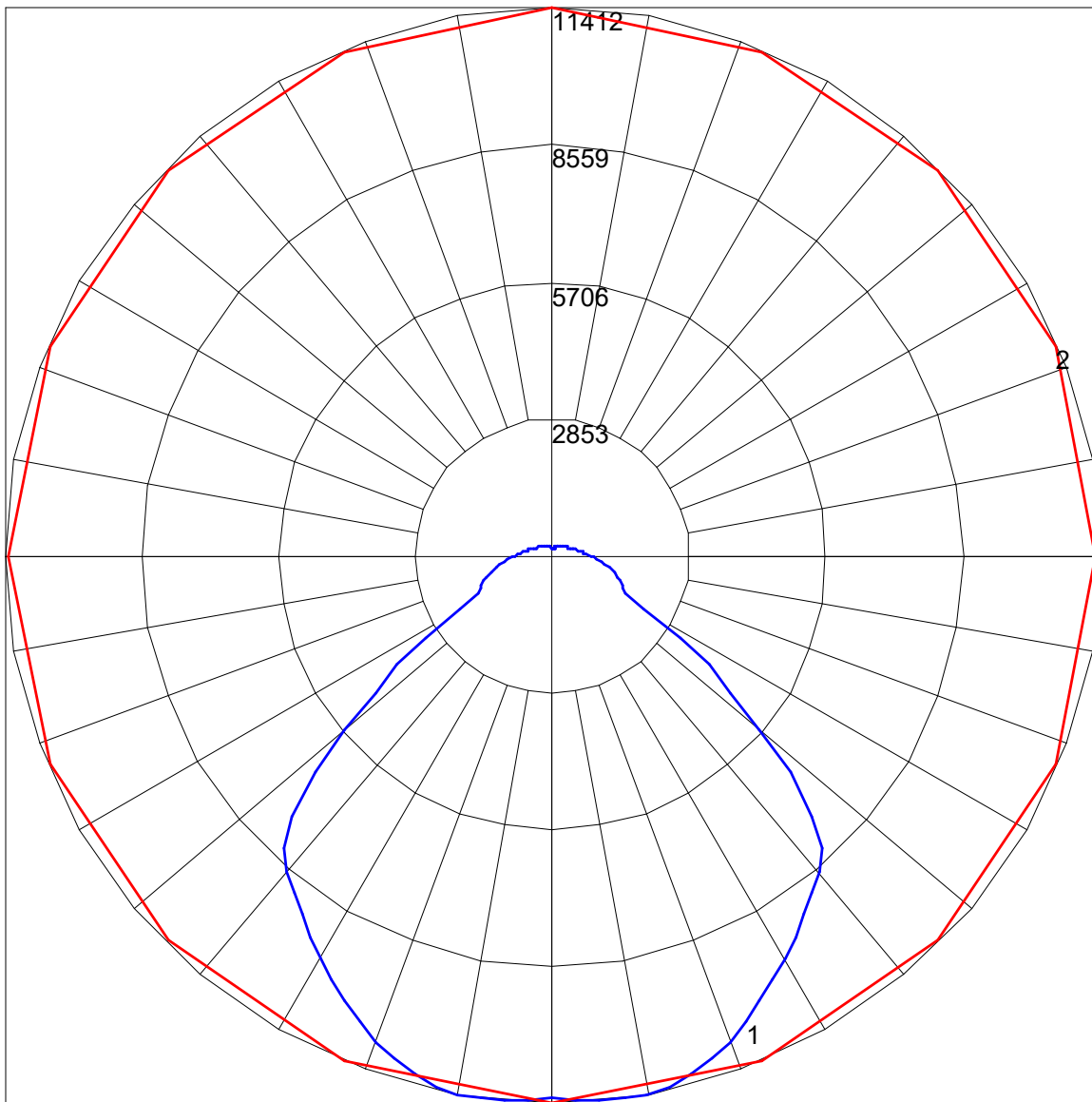
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	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 = 11412 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.)