



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-30L-S-840-R22AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12692
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 05/25/21
 [TEST DATE] 04/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-840-R22AC
 [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	30337
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)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29881	29932	29778
55	20603	20748	20658
65	12880	12871	12808
75	3600	3658	3600
85	1686	1701	1694

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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	12946	12946	12946	12946	12946
2.5	12965	12969	12963	12971	12954
5.0	12908	12916	12900	12902	12902
7.5	12822	12829	12816	12809	12802
10.0	12708	12723	12721	12704	12698
12.5	12537	12542	12519	12534	12523
15.0	12290	12273	12261	12259	12265
17.5	11992	11988	11972	11982	11988
20.0	11654	11649	11630	11673	11669
22.5	11249	11261	11236	11282	11276
25.0	10869	10875	10860	10877	10902
27.5	10495	10497	10491	10506	10523
30.0	10107	10107	10104	10124	10131
32.5	9704	9698	9697	9704	9724
35.0	9289	9282	9268	9286	9281
37.5	8885	8879	8864	8875	8880
40.0	8534	8524	8512	8518	8528
42.5	8217	8194	8198	8196	8209
45.0	7588	7554	7601	7576	7562
47.5	6791	6761	6751	6803	6835
50.0	6021	6003	5990	6066	6074
52.5	5385	5414	5424	5422	5420
55.0	4819	4832	4853	4846	4832
57.5	4214	4227	4235	4219	4224
60.0	3562	3555	3534	3542	3569
62.5	3130	3148	3155	3154	3167
65.0	2663	2638	2661	2648	2648
67.5	2059	2073	2093	2092	2098
70.0	1538	1548	1564	1577	1580
72.5	1060	1063	1067	1076	1090
75.0	624	630	634	627	624
77.5	390	393	397	391	392
80.0	318	320	323	318	316
82.5	266	266	267	266	265
85.0	227	227	229	229	228
87.5	204	205	206	206	205
90.0	201	200	199	198	191
92.5	215	213	210	214	207
95.0	220	216	217	219	220
97.5	217	214	214	214	216
100.0	217	217	213	217	214
102.5	219	220	217	222	219
105.0	210	208	213	212	212
107.5	184	182	189	184	191
110.0	167	166	168	162	167
112.5	165	165	165	163	163
115.0	172	171	171	170	169
117.5	181	180	180	179	178
120.0	189	189	189	188	187
122.5	195	194	194	193	193
125.0	197	197	197	197	196
127.5	200	199	200	200	199
130.0	202	201	203	202	201
132.5	202	202	204	204	202

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CANDELA TABULATION - (Cont.)

135.0	201	202	204	203	202
137.5	197	198	200	198	197
140.0	188	188	188	187	186
142.5	172	170	170	170	169
145.0	153	151	152	152	152
147.5	137	136	137	137	137
150.0	126	125	126	126	126
152.5	119	118	119	118	119
155.0	115	114	114	113	114
157.5	112	112	111	109	109
160.0	110	110	108	106	105
162.5	107	108	105	102	101
165.0	104	104	102	99	100
167.5	102	101	99	97	98
170.0	100	99	97	96	95
172.5	98	97	96	95	96
175.0	97	97	96	96	96
177.5	95	95	95	95	95
180.0	93	93	93	93	93

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4680.03	N.A.	15.40
0-30	9695.13	N.A.	32.00
0-40	15513.81	N.A.	51.10
0-60	25562.66	N.A.	84.30
0-80	28937.95	N.A.	95.40
0-90	29199.23	N.A.	96.30
10-90	27973.68	N.A.	92.20
20-40	10833.78	N.A.	35.70
20-50	16581.98	N.A.	54.70
40-70	12627.1	N.A.	41.60
60-80	3375.29	N.A.	11.10
70-80	797.04	N.A.	2.60
80-90	261.28	N.A.	0.90
90-110	445.87	N.A.	1.50
90-120	617.34	N.A.	2.00
90-130	793.40	N.A.	2.60
90-150	1045.56	N.A.	3.40
90-180	1137.28	N.A.	3.70
110-180	691.41	N.A.	2.30
0-180	30336.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1225.55
10-20	3454.48
20-30	5015.1
30-40	5818.67
40-50	5748.2
50-60	4300.65
60-70	2578.25
70-80	797.04
80-90	261.28
90-100	232.26
100-110	213.61
110-120	171.46
120-130	176.06
130-140	154.74
140-150	97.42
150-160	53.44
160-170	29.09
170-180	9.19

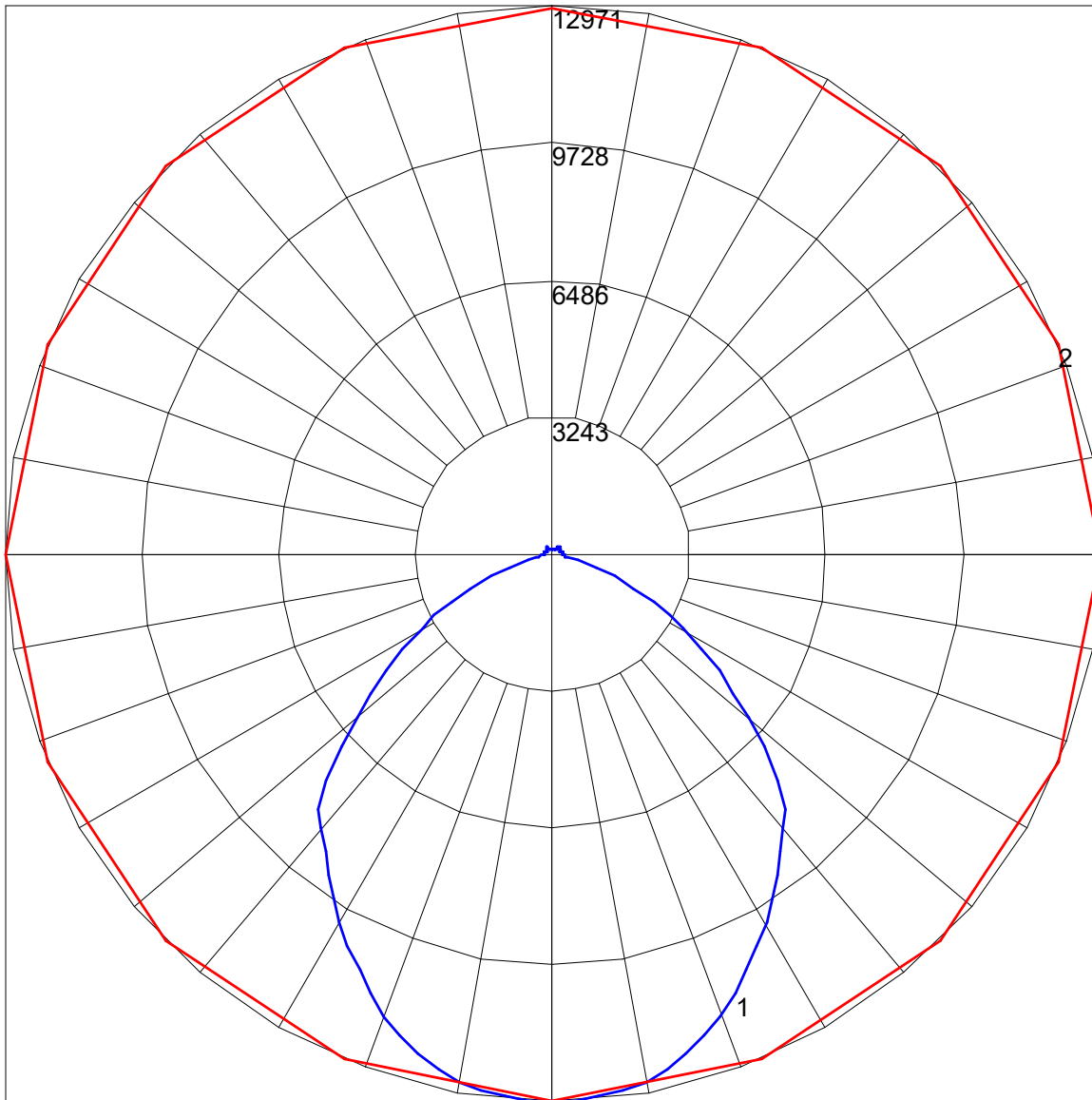
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72
3	92	83	76	70	90	81	74	69	78	72	67	75	70	66	72	68	64	62
4	85	74	66	60	83	73	65	60	70	63	58	67	62	57	65	60	56	54
5	79	67	59	52	76	65	58	52	63	56	51	61	55	50	59	53	49	47
6	73	60	52	46	71	59	52	46	57	50	45	55	49	44	53	48	44	42
7	68	55	47	41	66	54	46	41	52	45	40	51	44	40	49	43	39	37
8	63	50	42	37	61	50	42	37	48	41	36	46	40	36	45	39	35	33
9	59	46	39	33	58	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	30	39	33	29	28

POLAR GRAPH



Maximum Candela = 12971 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)