



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-30L-S-850-R22AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12692
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-30L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	30271
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
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



AUL R22

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29818	29869	29711
55	20556	20701	20611
65	12851	12842	12784
75	3589	3652	3589
85	1679	1694	1686

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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	12919	12919	12919	12919	12919
2.5	12937	12941	12936	12943	12926
5.0	12880	12888	12872	12874	12874
7.5	12794	12802	12788	12782	12774
10.0	12681	12696	12694	12677	12671
12.5	12510	12515	12492	12507	12496
15.0	12264	12247	12235	12233	12239
17.5	11966	11962	11946	11957	11962
20.0	11629	11624	11605	11648	11644
22.5	11225	11237	11211	11258	11252
25.0	10846	10852	10837	10854	10879
27.5	10473	10475	10468	10483	10500
30.0	10085	10085	10083	10102	10109
32.5	9684	9677	9676	9684	9703
35.0	9270	9262	9248	9266	9261
37.5	8866	8860	8845	8856	8861
40.0	8516	8505	8494	8500	8509
42.5	8199	8176	8180	8178	8191
45.0	7572	7538	7585	7559	7545
47.5	6777	6746	6736	6788	6820
50.0	6008	5990	5977	6053	6061
52.5	5373	5402	5413	5410	5408
55.0	4808	4821	4842	4836	4821
57.5	4205	4218	4226	4210	4215
60.0	3555	3547	3527	3534	3561
62.5	3124	3142	3148	3147	3161
65.0	2657	2632	2655	2643	2643
67.5	2054	2068	2088	2087	2094
70.0	1535	1545	1561	1573	1577
72.5	1057	1061	1065	1073	1087
75.0	622	629	633	625	622
77.5	390	392	396	390	391
80.0	317	320	323	317	315
82.5	265	265	266	265	264
85.0	226	226	228	228	227
87.5	204	205	206	206	205
90.0	201	200	199	197	191
92.5	214	212	209	213	207
95.0	220	216	217	219	220
97.5	217	213	213	213	216
100.0	217	217	212	217	213
102.5	219	220	217	222	219
105.0	209	207	212	211	211
107.5	184	182	189	184	191
110.0	167	166	168	161	167
112.5	165	165	165	162	162
115.0	172	171	171	170	169
117.5	180	179	179	178	177
120.0	189	189	189	188	187
122.5	194	193	193	192	192
125.0	196	196	196	196	195
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	196	197	200	197	196
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	125	124	125	125	125
152.5	119	118	119	118	119
155.0	115	114	114	113	114
157.5	111	111	110	108	108
160.0	109	109	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	94
172.5	98	97	96	94	96
175.0	97	97	96	96	96
177.5	94	94	94	94	94
180.0	92	92	92	92	92

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4670.01	N.A.	15.40
0-30	9674.37	N.A.	32.00
0-40	15480.59	N.A.	51.10
0-60	25507.59	N.A.	84.30
0-80	28875.56	N.A.	95.40
0-90	29136.2	N.A.	96.30
10-90	27913.28	N.A.	92.20
20-40	10810.58	N.A.	35.70
20-50	16546.27	N.A.	54.70
40-70	12599.71	N.A.	41.60
60-80	3367.97	N.A.	11.10
70-80	795.27	N.A.	2.60
80-90	260.63	N.A.	0.90
90-110	445.00	N.A.	1.50
90-120	616.09	N.A.	2.00
90-130	791.69	N.A.	2.60
90-150	1043.65	N.A.	3.40
90-180	1135.14	N.A.	3.70
110-180	690.14	N.A.	2.30
0-180	30271.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1222.92
10-20	3447.09
20-30	5004.36
30-40	5806.22
40-50	5735.69
50-60	4291.32
60-70	2572.71
70-80	795.27
80-90	260.63
90-100	231.74
100-110	213.26
110-120	171.09
120-130	175.60
130-140	154.60
140-150	97.35
150-160	53.25
160-170	29.07
170-180	9.16

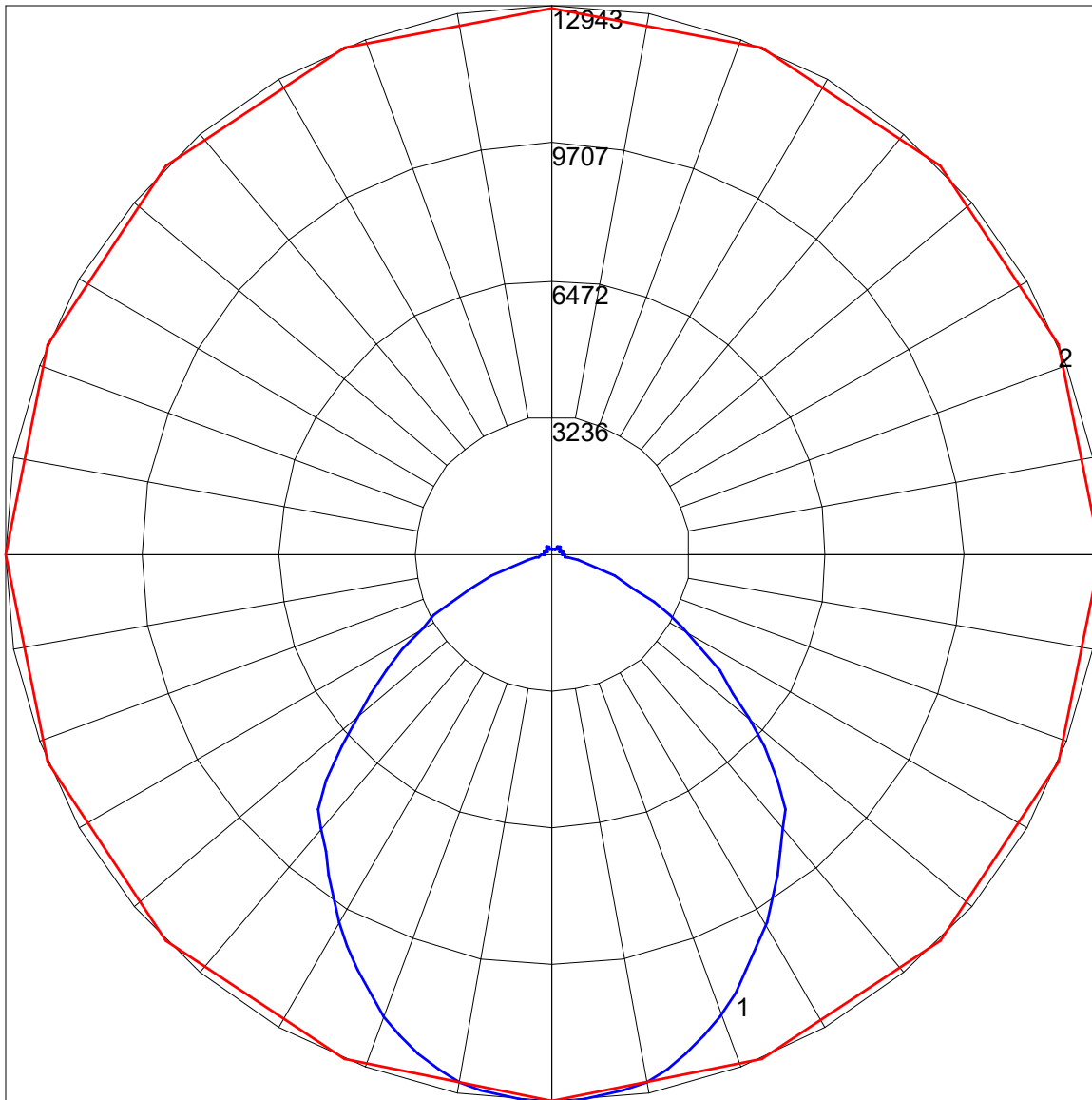
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	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 = 12943 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.)