



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-18L-S-840-R22AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12707
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-18L-S-840-R22AW
 [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	17963
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	111
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
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	20158	20158	19934
55	10569	10522	10496
65	4000	4010	4029
75	3271	3260	3266
85	1746	1753	1790

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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	7208	7208	7208	7208	7208
2.5	7219	7220	7225	7228	7225
5.0	7250	7251	7258	7258	7253
7.5	7271	7273	7277	7276	7275
10.0	7274	7277	7285	7283	7281
12.5	7239	7248	7250	7257	7255
15.0	7166	7171	7173	7174	7174
17.5	7073	7071	7072	7079	7083
20.0	6963	6953	6955	6974	6967
22.5	6824	6798	6806	6824	6808
25.0	6673	6662	6660	6669	6665
27.5	6542	6534	6531	6536	6534
30.0	6403	6399	6397	6396	6396
32.5	6245	6242	6245	6241	6242
35.0	6076	6073	6074	6070	6069
37.5	5899	5891	5896	5892	5891
40.0	5713	5712	5714	5716	5714
42.5	5514	5513	5505	5518	5531
45.0	5119	5121	5119	5103	5062
47.5	4497	4477	4465	4454	4438
50.0	3728	3733	3707	3681	3728
52.5	3039	3049	3032	3009	3018
55.0	2472	2465	2461	2476	2455
57.5	1848	1842	1869	1874	1881
60.0	1191	1166	1197	1215	1234
62.5	880	882	887	890	884
65.0	827	828	829	831	833
67.5	770	771	772	775	773
70.0	708	708	709	708	711
72.5	640	641	641	638	639
75.0	567	568	565	565	566
77.5	487	488	488	489	489
80.0	407	407	408	409	409
82.5	324	321	323	326	327
85.0	235	236	236	239	241
87.5	148	148	148	149	149
90.0	84	83	82	81	79
92.5	82	82	82	82	82
95.0	85	85	85	85	85
97.5	89	89	89	89	89
100.0	92	92	92	92	92
102.5	95	95	95	95	95
105.0	98	98	98	97	97
107.5	101	100	100	100	100
110.0	103	103	103	103	103
112.5	106	106	106	106	106
115.0	108	108	108	108	108
117.5	110	110	110	110	110
120.0	112	112	112	111	112
122.5	113	113	113	113	113
125.0	115	115	115	115	115
127.5	115	116	115	115	116
130.0	116	116	116	116	116
132.5	118	118	118	117	118

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CANDELA TABULATION - (Cont.)

135.0	118	118	118	118	118
137.5	119	119	118	118	118
140.0	119	119	119	119	119
142.5	118	119	119	119	119
145.0	118	119	119	118	119
147.5	118	118	119	118	118
150.0	117	118	118	118	118
152.5	116	116	116	116	116
155.0	115	115	115	115	115
157.5	114	113	113	113	113
160.0	113	112	112	112	112
162.5	112	111	110	110	110
165.0	109	108	108	107	107
167.5	106	105	105	104	104
170.0	103	103	102	102	102
172.5	100	100	100	100	100
175.0	96	97	98	98	98
177.5	93	93	95	95	95
180.0	90	90	90	90	90

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2716.58	N.A.	15.10
0-30	5797.53	N.A.	32.30
0-40	9599.84	N.A.	53.40
0-60	15592.34	N.A.	86.80
0-80	17038.19	N.A.	94.80
0-90	17298.09	N.A.	96.30
10-90	16604.84	N.A.	92.40
20-40	6883.27	N.A.	38.30
20-50	10695.67	N.A.	59.50
40-70	6843.76	N.A.	38.10
60-80	1445.85	N.A.	8.00
70-80	594.59	N.A.	3.30
80-90	259.90	N.A.	1.40
90-110	196.70	N.A.	1.10
90-120	303.69	N.A.	1.70
90-130	406.21	N.A.	2.30
90-150	571.98	N.A.	3.20
90-180	665.27	N.A.	3.70
110-180	468.57	N.A.	2.60
0-180	17963.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	693.25
10-20	2023.33
20-30	3080.95
30-40	3802.31
40-50	3812.4
50-60	2180.1
60-70	851.26
70-80	594.59
80-90	259.90
90-100	93.53
100-110	103.17
110-120	106.99
120-130	102.52
130-140	91.29
140-150	74.49
150-160	53.21
160-170	30.64
170-180	9.44

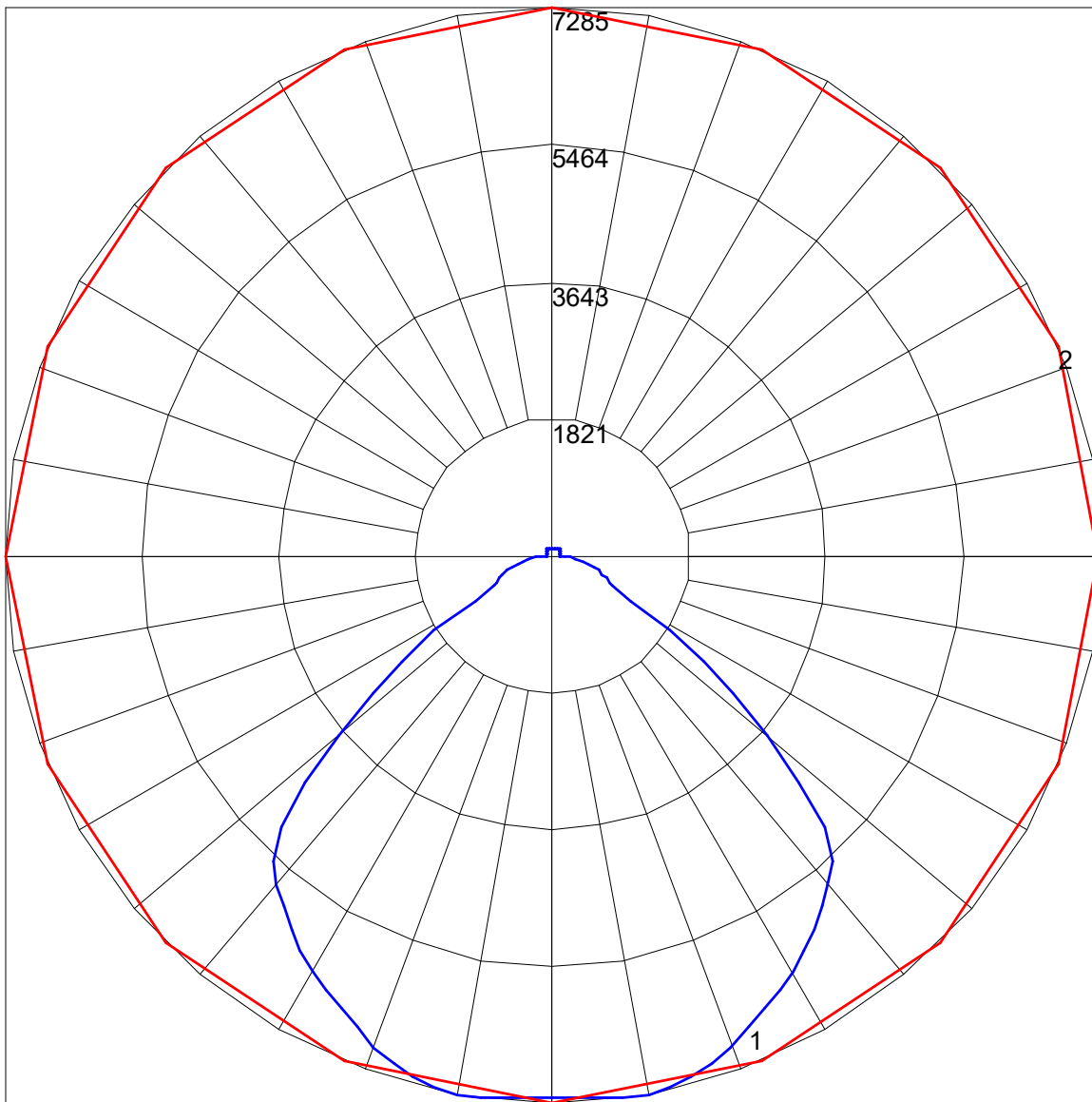
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	73
3	93	84	77	71	90	82	75	70	79	73	68	75	71	67	73	69	65	63
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55
5	79	68	60	54	77	67	59	53	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	53	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	50	43	38	49	42	37	47	41	37	46	40	36	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 7285 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)