



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-850-R22AD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12706
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 05/25/21
 [TEST DATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-850-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8022
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	164
Total Luminaire Watts	49
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	8124	8037	7970
55	4297	4369	4502
65	2094	2089	2094
75	1996	2002	2014
85	1798	1813	1835

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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	2983	2983	2983	2983	2983
2.5	2981	2983	2988	2996	3001
5.0	2991	2993	2997	3003	3009
7.5	2993	2996	3001	3007	3013
10.0	2991	2993	2997	3005	3011
12.5	2971	2972	2977	2985	2994
15.0	2927	2929	2941	2944	2950
17.5	2871	2879	2889	2897	2904
20.0	2805	2814	2831	2842	2851
22.5	2725	2741	2755	2771	2775
25.0	2661	2670	2683	2692	2699
27.5	2602	2609	2618	2624	2631
30.0	2542	2545	2552	2557	2560
32.5	2475	2478	2483	2487	2489
35.0	2404	2407	2412	2415	2416
37.5	2335	2338	2338	2343	2346
40.0	2269	2270	2273	2277	2279
42.5	2203	2200	2202	2194	2193
45.0	2063	2052	2041	2026	2024
47.5	1804	1803	1790	1779	1769
50.0	1494	1497	1499	1492	1491
52.5	1226	1230	1238	1244	1237
55.0	1005	1014	1022	1042	1053
57.5	773	781	803	816	832
60.0	526	541	561	574	583
62.5	435	438	445	449	454
65.0	433	433	432	432	433
67.5	420	419	420	420	421
70.0	399	399	400	401	402
72.5	374	374	375	376	377
75.0	346	346	347	349	349
77.5	318	319	320	320	321
80.0	292	293	294	294	295
82.5	267	267	268	269	270
85.0	242	243	244	246	247
87.5	221	221	222	224	225
90.0	200	201	202	204	206
92.5	186	186	187	189	189
95.0	173	173	174	175	176
97.5	161	161	162	163	163
100.0	150	150	151	152	152
102.5	140	140	141	142	142
105.0	130	131	132	132	133
107.5	122	122	123	124	124
110.0	115	115	116	116	117
112.5	108	109	109	109	109
115.0	103	103	103	103	103
117.5	98	98	98	98	98
120.0	92	92	92	92	92
122.5	88	88	88	88	88
125.0	84	84	84	84	84
127.5	81	81	81	81	81
130.0	77	77	77	77	77
132.5	75	75	75	75	74

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CANDELA TABULATION - (Cont.)

135.0	72	72	72	72	72
137.5	70	70	70	69	69
140.0	67	67	67	67	67
142.5	65	65	65	65	65
145.0	63	63	63	63	63
147.5	61	61	61	61	61
150.0	59	59	59	59	59
152.5	58	57	57	57	57
155.0	56	56	55	55	55
157.5	54	54	53	53	53
160.0	53	53	52	51	51
162.5	51	51	51	50	50
165.0	50	49	49	48	48
167.5	48	48	47	47	46
170.0	46	46	46	46	45
172.5	45	45	45	45	45
175.0	44	44	44	44	44
177.5	43	43	44	43	43
180.0	41	41	41	41	41

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1114.17	N.A.	13.90
0-30	2353.49	N.A.	29.30
0-40	3864.92	N.A.	48.20
0-60	6298.08	N.A.	78.50
0-80	7104.85	N.A.	88.60
0-90	7372.88	N.A.	91.90
10-90	7086.69	N.A.	88.30
20-40	2750.75	N.A.	34.30
20-50	4274.45	N.A.	53.30
40-70	2872.99	N.A.	35.80
60-80	806.78	N.A.	10.10
70-80	366.94	N.A.	4.60
80-90	268.03	N.A.	3.30
90-110	331.12	N.A.	4.10
90-120	433.93	N.A.	5.40
90-130	509.76	N.A.	6.40
90-150	605.40	N.A.	7.50
90-180	649.32	N.A.	8.10
110-180	318.20	N.A.	4.00
0-180	8022.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	286.19
10-20	827.98
20-30	1239.32
30-40	1511.43
40-50	1523.7
50-60	909.46
60-70	439.84
70-80	366.94
80-90	268.03
90-100	191.07
100-110	140.05
110-120	102.82
120-130	75.82
130-140	55.96
140-150	39.67
150-160	25.71
160-170	13.95
170-180	4.26

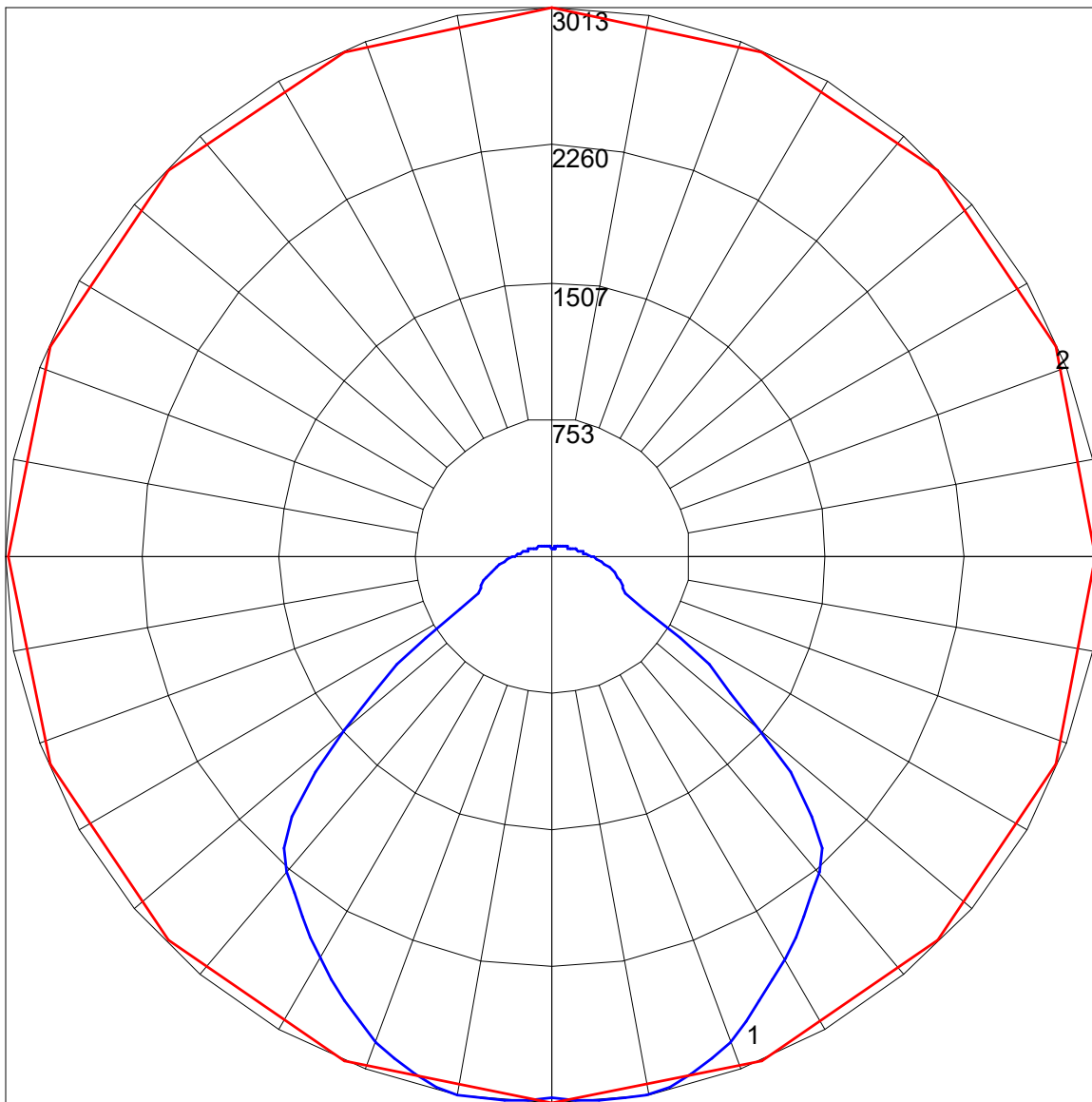
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3013 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.)