



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AUL-08L-S-830-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-08L-S-830-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] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7602
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
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



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7699	7616	7553
55	4074	4143	4263
65	1988	1983	1988
75	1892	1898	1910
85	1709	1716	1738

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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	2826	2826	2826	2826	2826
2.5	2825	2826	2831	2839	2844
5.0	2834	2836	2840	2846	2851
7.5	2836	2839	2844	2849	2855
10.0	2834	2836	2840	2847	2853
12.5	2815	2816	2821	2828	2837
15.0	2773	2775	2786	2789	2795
17.5	2721	2728	2738	2745	2751
20.0	2658	2666	2683	2693	2702
22.5	2582	2597	2610	2625	2629
25.0	2522	2530	2543	2551	2558
27.5	2465	2472	2481	2486	2493
30.0	2408	2411	2418	2423	2425
32.5	2345	2348	2353	2357	2359
35.0	2278	2281	2285	2288	2289
37.5	2212	2215	2215	2220	2222
40.0	2150	2151	2154	2158	2160
42.5	2087	2084	2086	2079	2078
45.0	1955	1944	1934	1920	1918
47.5	1709	1708	1696	1685	1677
50.0	1416	1418	1420	1414	1413
52.5	1161	1165	1173	1178	1172
55.0	953	961	969	987	997
57.5	733	740	761	774	789
60.0	498	513	532	544	553
62.5	412	415	422	426	431
65.0	411	411	410	410	411
67.5	398	397	398	398	399
70.0	378	378	379	380	381
72.5	354	354	355	356	357
75.0	328	328	329	331	331
77.5	301	302	303	303	304
80.0	276	277	278	278	279
82.5	253	253	254	255	256
85.0	230	231	231	233	234
87.5	210	210	211	212	213
90.0	190	191	191	193	195
92.5	176	176	177	179	179
95.0	164	164	165	166	167
97.5	152	152	153	154	154
100.0	142	142	143	144	144
102.5	132	132	133	134	134
105.0	123	124	125	125	126
107.5	115	115	116	117	117
110.0	109	109	110	110	111
112.5	102	103	103	103	103
115.0	97	97	97	97	97
117.5	92	92	92	92	92
120.0	88	88	88	88	88
122.5	84	84	84	84	84
125.0	80	80	80	80	80
127.5	77	77	77	77	77
130.0	73	73	73	73	73
132.5	71	71	71	71	70

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CANDELA TABULATION - (Cont.)

135.0	69	69	69	69	69
137.5	67	67	67	66	66
140.0	64	64	64	64	64
142.5	62	62	62	62	62
145.0	60	60	60	60	60
147.5	58	58	58	58	58
150.0	56	56	56	56	56
152.5	55	54	54	54	54
155.0	53	53	52	52	52
157.5	51	51	50	50	50
160.0	50	50	50	49	49
162.5	49	49	49	48	48
165.0	48	47	47	46	46
167.5	46	46	45	45	44
170.0	44	44	44	44	43
172.5	43	43	43	43	43
175.0	42	42	42	42	42
177.5	41	41	42	41	41
180.0	39	39	39	39	39

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1055.7	N.A.	13.90
0-30	2229.99	N.A.	29.30
0-40	3662.08	N.A.	48.20
0-60	5967.56	N.A.	78.50
0-80	6732.13	N.A.	88.60
0-90	6986.17	N.A.	91.90
10-90	6714.98	N.A.	88.30
20-40	2606.38	N.A.	34.30
20-50	4050.07	N.A.	53.30
40-70	2722.52	N.A.	35.80
60-80	764.57	N.A.	10.10
70-80	347.52	N.A.	4.60
80-90	254.04	N.A.	3.30
90-110	313.26	N.A.	4.10
90-120	410.36	N.A.	5.40
90-130	482.60	N.A.	6.30
90-150	573.72	N.A.	7.50
90-180	615.51	N.A.	8.10
110-180	302.25	N.A.	4.00
0-180	7601.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	271.18
10-20	784.52
20-30	1174.29
30-40	1432.09
40-50	1443.69
50-60	861.79
60-70	417.04
70-80	347.52
80-90	254.04
90-100	180.89
100-110	132.37
110-120	97.10
120-130	72.23
130-140	53.34
140-150	37.79
150-160	24.36
160-170	13.37
170-180	4.07

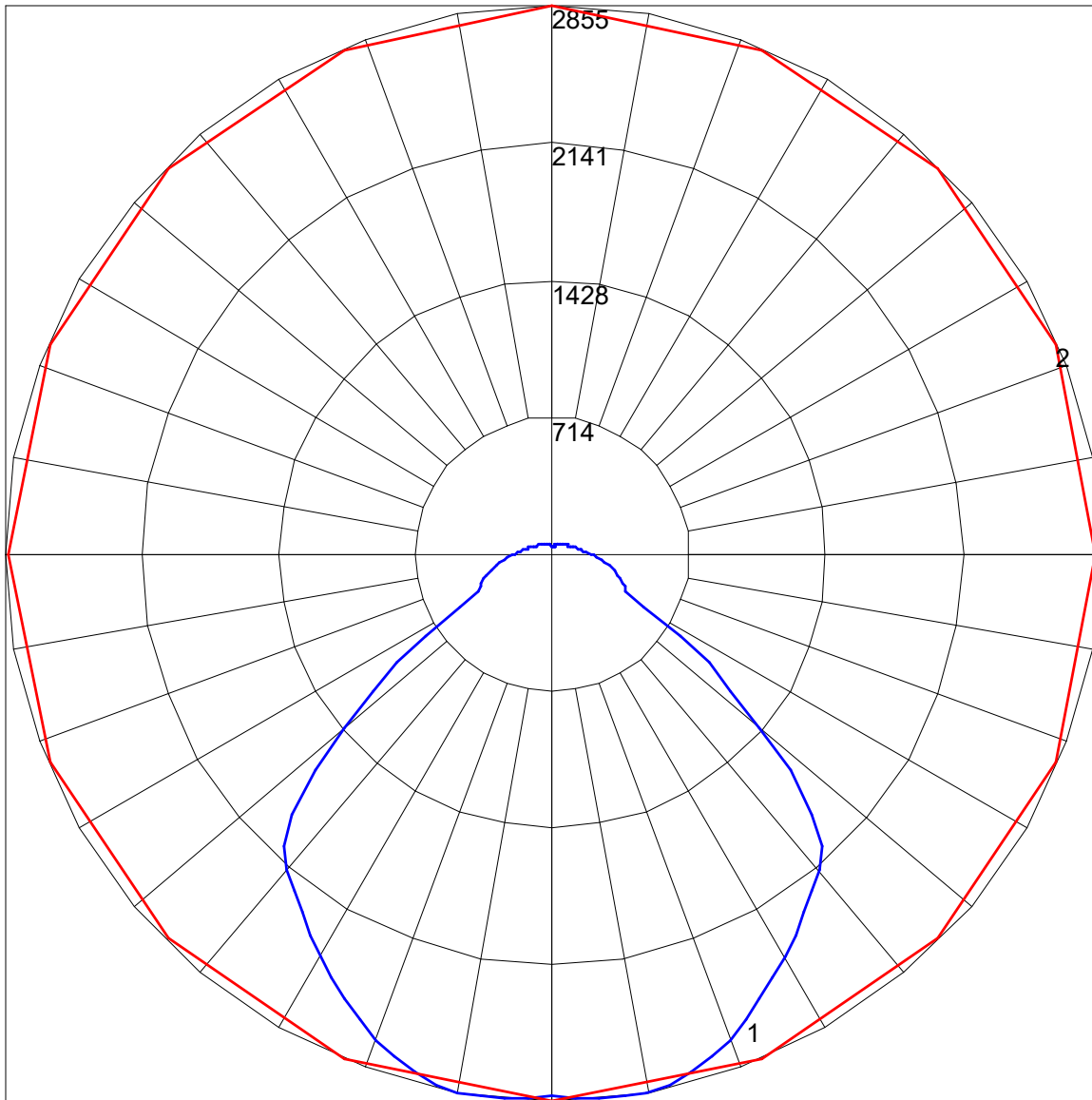
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2855 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.)