



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-24L-S-830-R16AC.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12632
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 03/22/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-24L-S-830-R16AC
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Interior
 [SEARCH_COLORTEMP] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22622
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	151
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.30 ft (Diameter)
Luminous Width (90-270)	1.30 ft (Diameter)
Luminous Height	0.70 ft



AUL R16

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	30874	30779	30528
55	23203	23353	23188
65	17780	17780	17997
75	7248	7266	7222
85	2167	2125	2188

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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	8075	8075	8075	8075	8075
2.5	8097	8097	8102	8092	8087
5.0	8340	8319	8290	8262	8250
7.5	8694	8654	8618	8587	8567
10.0	9058	8993	9010	8964	8983
12.5	9302	9334	9285	9324	9307
15.0	9504	9490	9506	9506	9513
17.5	9535	9506	9549	9570	9604
20.0	9465	9432	9465	9437	9444
22.5	9102	9114	9094	9105	9088
25.0	8755	8762	8728	8719	8734
27.5	8509	8481	8453	8453	8469
30.0	8171	8185	8220	8182	8155
32.5	7822	7870	7858	7839	7837
35.0	7204	7189	7154	7204	7234
37.5	6151	6104	6123	6222	6233
40.0	5316	5287	5287	5331	5341
42.5	4848	4871	4838	4833	4840
45.0	4542	4554	4528	4484	4491
47.5	4281	4288	4254	4219	4172
50.0	3948	3936	3908	3870	3820
52.5	3586	3559	3538	3510	3496
55.0	3251	3269	3272	3252	3249
57.5	3036	3049	3058	3038	3043
60.0	2772	2771	2781	2776	2786
62.5	2500	2502	2511	2516	2533
65.0	2291	2294	2291	2300	2319
67.5	2060	2057	2058	2053	2062
70.0	1710	1714	1709	1702	1679
72.5	1227	1219	1223	1201	1197
75.0	824	823	826	816	821
77.5	618	617	612	619	625
80.0	442	443	439	447	450
82.5	293	292	292	295	302
85.0	206	205	202	206	208
87.5	164	163	163	165	165
90.0	144	146	145	146	147
92.5	134	135	135	136	137
95.0	145	145	146	146	146
97.5	167	170	166	167	166
100.0	165	166	166	169	168
102.5	152	153	155	157	157
105.0	157	156	158	159	159
107.5	161	159	159	159	160
110.0	154	154	154	155	156
112.5	141	143	145	148	149
115.0	132	134	137	139	141
117.5	128	129	131	133	133
120.0	124	125	126	127	127
122.5	120	120	122	122	122
125.0	115	116	117	118	117
127.5	114	114	115	115	115
130.0	114	114	115	115	115
132.5	114	114	114	114	114

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CANDELA TABULATION - (Cont.)

135.0	111	111	111	110	110
137.5	106	105	106	105	105
140.0	101	100	101	101	100
142.5	97	96	98	97	95
145.0	94	92	94	93	91
147.5	91	89	90	89	87
150.0	87	85	86	85	83
152.5	83	81	82	81	80
155.0	78	78	78	78	76
157.5	75	75	75	76	74
160.0	72	72	72	74	72
162.5	69	70	71	72	71
165.0	65	68	69	70	71
167.5	63	66	68	69	70
170.0	62	64	66	67	68
172.5	60	61	63	65	64
175.0	57	57	59	61	61
177.5	53	53	54	56	57
180.0	49	49	49	49	49

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3485.21	N.A.	15.40
0-30	7532.84	N.A.	33.30
0-40	11884.58	N.A.	52.50
0-60	18345.2	N.A.	81.10
0-80	21579.74	N.A.	95.40
0-90	21840.57	N.A.	96.50
10-90	21025.54	N.A.	92.90
20-40	8399.36	N.A.	37.10
20-50	11912.55	N.A.	52.70
40-70	8714.21	N.A.	38.50
60-80	3234.54	N.A.	14.30
70-80	980.96	N.A.	4.30
80-90	260.83	N.A.	1.20
90-110	332.21	N.A.	1.50
90-120	469.61	N.A.	2.10
90-130	575.77	N.A.	2.50
90-150	719.24	N.A.	3.20
90-180	781.12	N.A.	3.50
110-180	448.90	N.A.	2.00
0-180	22621.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	815.03
10-20	2670.18
20-30	4047.63
30-40	4351.74
40-50	3513.19
50-60	2947.44
60-70	2253.58
70-80	980.96
80-90	260.83
90-100	164.87
100-110	167.35
110-120	137.39
120-130	106.16
130-140	84.89
140-150	58.58
150-160	36.40
160-170	19.65
170-180	5.82

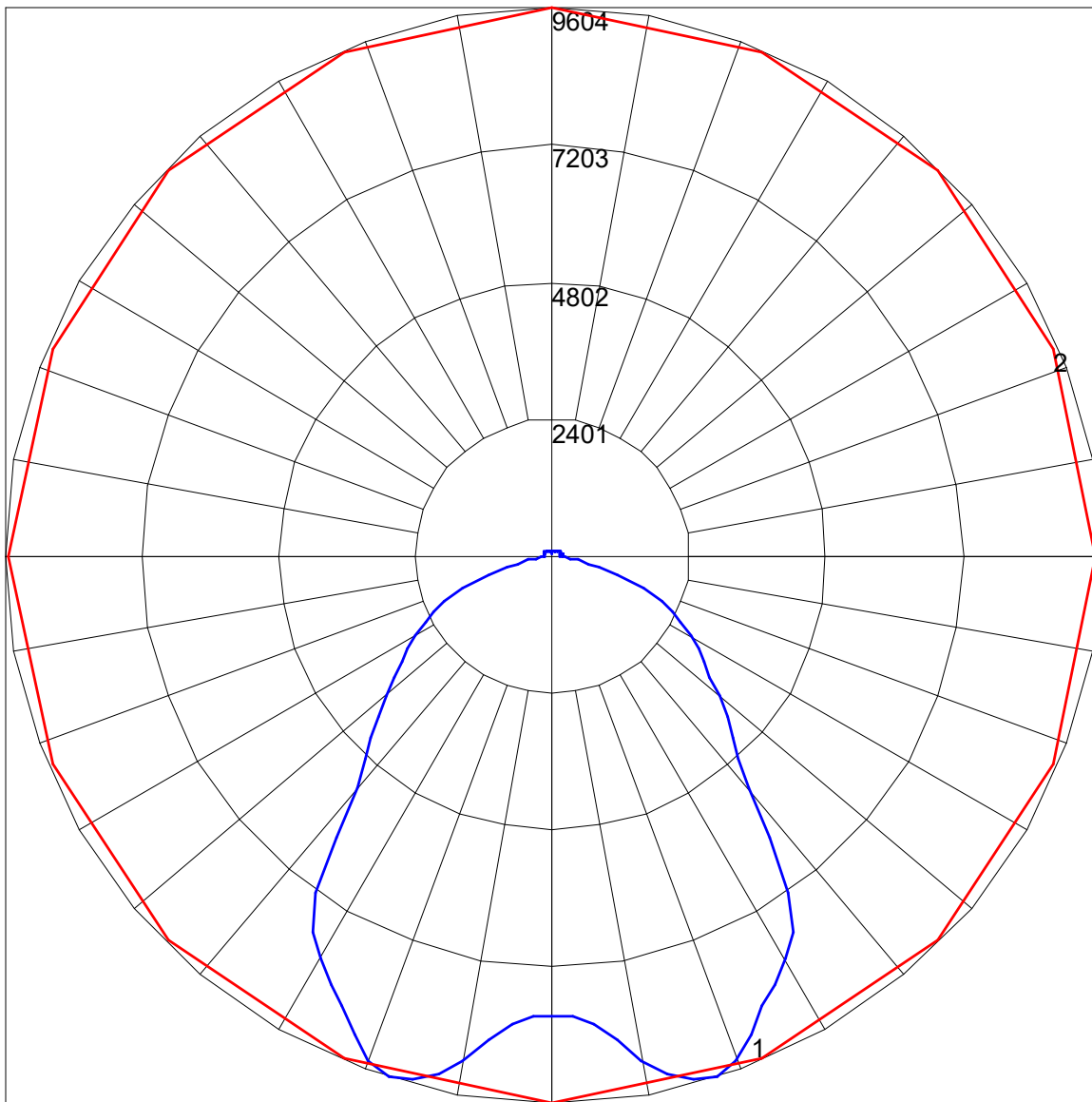
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
1	109	105	101	97	106	102	99	96	97	95	92	93	91	88	89	87	85	83
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	71
3	92	82	75	69	89	80	73	68	77	71	66	74	69	65	71	67	63	61
4	85	74	65	59	82	72	64	59	69	63	57	66	61	56	64	59	55	53
5	78	66	58	52	76	65	57	51	62	56	50	60	54	49	58	53	49	47
6	73	60	52	46	70	59	51	45	57	50	45	55	49	44	53	48	43	41
7	67	55	46	41	66	54	46	40	52	45	40	50	44	39	49	43	39	37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	36	45	39	35	33
9	59	46	38	33	57	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 = 9604 Located At Horizontal Angle = 90, Vertical Angle = 17.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)