



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AUL-08L-S-830-R16AW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12708
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 05/25/21
 [TESTDATE] 04/15/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] AUL-08L-S-830-R16AW
 [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	7440
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	49
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.26
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	9455	9666	9931
55	4311	4439	4504
65	3601	3632	3663
75	2648	2674	2665
85	1736	1736	1767

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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	2886	2886	2886	2886	2886
2.5	2884	2886	2891	2896	2902
5.0	2898	2911	2934	2959	2965
7.5	2933	2959	3002	3020	3039
10.0	3032	3021	3046	3072	3081
12.5	3026	3074	3089	3116	3087
15.0	3077	3091	3098	3115	3107
17.5	3029	3065	3087	3092	3091
20.0	3048	3042	3064	3072	3066
22.5	2969	2981	2996	3007	3026
25.0	2921	2933	2953	2962	2963
27.5	2879	2893	2912	2919	2917
30.0	2838	2825	2801	2792	2787
32.5	2690	2684	2652	2626	2612
35.0	2450	2443	2425	2394	2377
37.5	2096	2095	2092	2076	2059
40.0	1800	1793	1811	1809	1801
42.5	1583	1590	1599	1614	1625
45.0	1391	1405	1422	1442	1461
47.5	1202	1214	1233	1260	1277
50.0	974	983	1008	1045	1049
52.5	731	749	782	799	807
55.0	604	612	622	629	631
57.5	578	581	585	591	593
60.0	547	548	552	555	557
62.5	504	506	510	513	514
65.0	464	463	468	470	472
67.5	420	421	424	426	428
70.0	379	380	382	384	384
72.5	340	341	342	342	344
75.0	301	302	304	303	303
77.5	264	265	264	265	265
80.0	229	229	229	230	230
82.5	194	195	196	197	197
85.0	165	164	165	166	168
87.5	135	135	136	138	139
90.0	117	117	118	119	119
92.5	120	120	121	122	122
95.0	123	123	124	125	126
97.5	126	126	127	128	128
100.0	128	128	129	130	131
102.5	130	131	131	131	132
105.0	131	131	132	133	133
107.5	133	133	134	134	135
110.0	134	134	135	136	136
112.5	135	135	136	136	137
115.0	135	135	136	137	137
117.5	135	135	136	136	137
120.0	135	135	135	136	136
122.5	134	134	135	135	136
125.0	133	133	134	134	135
127.5	131	132	132	132	133
130.0	131	131	131	131	131
132.5	129	129	130	130	131

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CANDELA TABULATION - (Cont.)

135.0	127	127	128	128	129
137.5	125	125	125	126	126
140.0	122	122	122	123	123
142.5	119	119	120	120	120
145.0	116	116	117	117	117
147.5	113	113	113	114	114
150.0	110	111	111	111	111
152.5	106	107	107	106	107
155.0	101	102	102	102	102
157.5	96	97	97	97	97
160.0	91	93	93	93	92
162.5	87	89	90	89	88
165.0	82	84	85	83	83
167.5	77	78	79	78	77
170.0	71	72	72	72	70
172.5	65	66	66	64	63
175.0	56	56	56	56	56
177.5	46	47	48	49	49
180.0	43	43	43	43	43

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1156.43	N.A.	15.50
0-30	2516.74	N.A.	33.80
0-40	3989.94	N.A.	53.60
0-60	5695.43	N.A.	76.60
0-80	6478.41	N.A.	87.10
0-90	6661.41	N.A.	89.50
10-90	6377.53	N.A.	85.70
20-40	2833.51	N.A.	38.10
20-50	3923.13	N.A.	52.70
40-70	2167.79	N.A.	29.10
60-80	782.99	N.A.	10.50
70-80	320.68	N.A.	4.30
80-90	182.99	N.A.	2.50
90-110	275.03	N.A.	3.70
90-120	409.70	N.A.	5.50
90-130	529.44	N.A.	7.10
90-150	701.56	N.A.	9.40
90-180	778.66	N.A.	10.50
110-180	503.63	N.A.	6.80
0-180	7440.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	283.87
10-20	872.56
20-30	1360.31
30-40	1473.2
40-50	1089.63
50-60	615.86
60-70	462.30
70-80	320.68
80-90	182.99
90-100	135.19
100-110	139.84
110-120	134.67
120-130	119.74
130-140	98.75
140-150	73.37
150-160	47.36
160-170	23.88
170-180	5.86

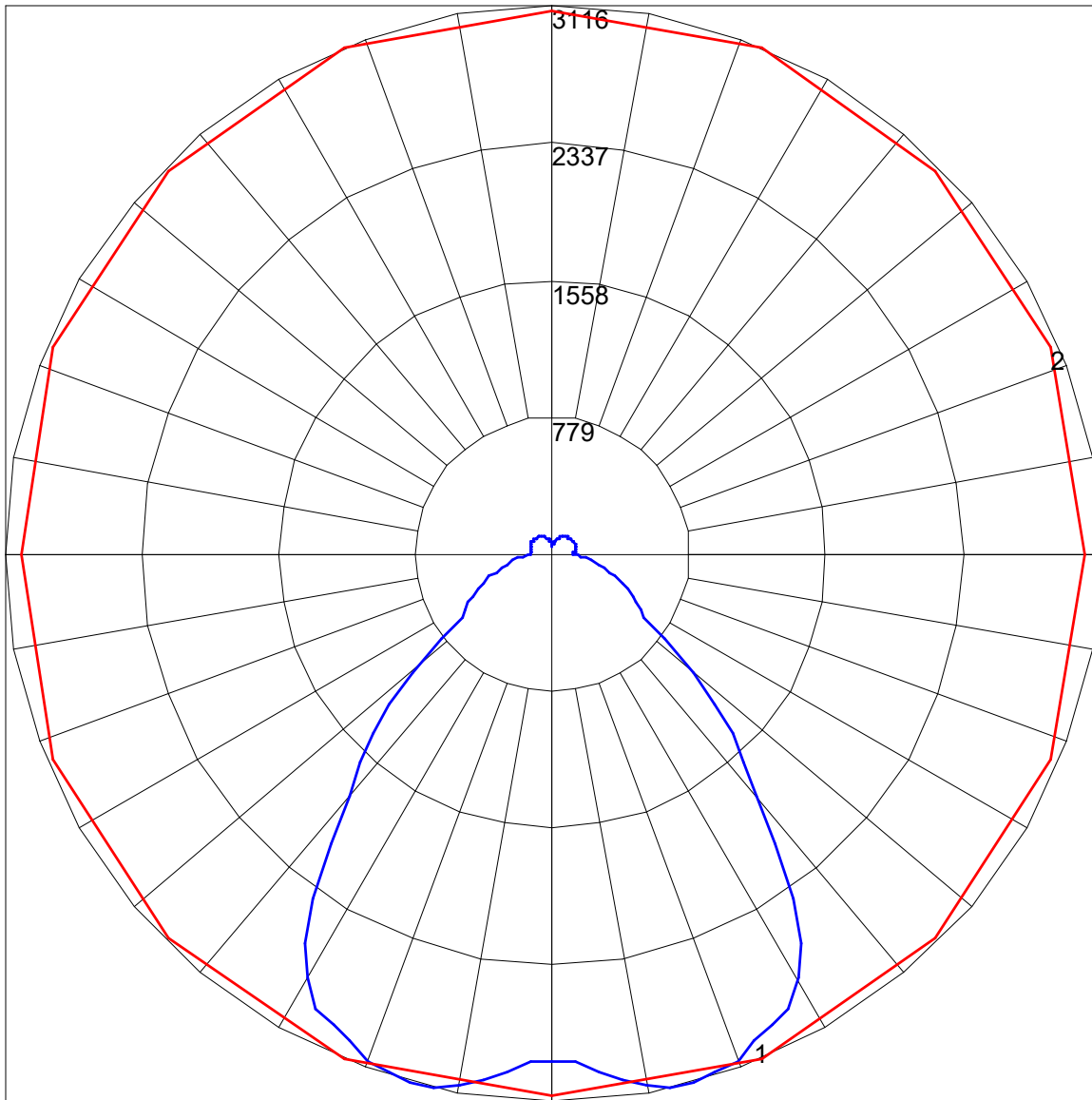
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	99	99	99	92	92	92	90
1	107	103	99	96	104	100	96	93	94	91	88	88	86	84	83	81	79	77
2	99	92	85	80	95	89	83	79	84	79	75	79	75	72	75	72	69	66
3	91	82	75	69	88	80	73	68	75	70	65	71	67	63	67	64	60	58
4	84	74	66	60	81	72	65	59	68	62	57	65	59	55	61	57	53	51
5	78	67	59	53	76	65	58	52	62	55	51	59	53	49	56	51	48	45
6	73	61	53	47	70	59	52	46	57	50	45	54	48	44	52	47	43	41
7	68	56	48	42	66	54	47	42	52	45	41	50	44	40	48	42	39	37
8	63	51	43	38	61	50	43	38	48	41	37	46	40	36	44	39	35	33
9	59	47	40	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	38	33	29	28

POLAR GRAPH



Maximum Candela = 3116 Located At Horizontal Angle = 67.5, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)