IES INDOOR REPORT
PHOTOMETRIC FILENAME : ASC22-LED-40L-DIM1-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-11051
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]07/26/19
[TESTDATE]05/10/19
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]ASC22-LED-40L-DIM1-50
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4034
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	31.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3236	3563	3897
55	3103	3604	4111
65	2863	3664	4084
75	2493	3303	3334
85	1604	1974	2745

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1235	1235	1235	1235	1235
2.5	1232	1234	1238	1241	1241
5.0	1233	1234	1239	1241	1242
7.5	1230	1232	1237	1240	1241
10.0	1230	1231	1234	1239	1240
12.5	1216	1224	1231	1235	1238
15.0	1206	1211	1228	1230	1233
17.5	1193	1199	1213	1224	1228
20.0	1182	1185	1200	1216	1220
22.5	1159	1170	1186	1206	1211
25.0	1137	1148	1170	1195	1199
27.5	1112	1124	1150	1178	1185
30.0	1082	1097	1128	1160	1169
32.5	1050	1066	1103	1137	1151
35.0	1016	1033	1075	1114	1131
37.5	979	997	1043	1089	1107
40.0	937	959	1010	1062	1082
42.5	894	918	974	1033	1054
45.0	851	876	937	1001	1025
47.5	806	833	897	966	993
50.0	759	788	856	929	957
52.5	711	742	813	889	918
55.0	662	694	769	849	877
57.5	612	646	724	805	831
60.0	560	596	676	753	775
62.5	508	544	628	693	712
65.0	450	493	576	626	642
67.5	397	441	518	552	567
70.0	344	390	455	476	484
72.5	291	339	388	395	399
75.0	240	288	318	318	321
77.5	189	234	246	241	243
80.0	141	177	176	165	174
82.5	94	117	107	122	136
85.0	52	59	64	81	89
87.5	19	19	21	15	14
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	463.39	N.A.	11.50
0-30	1002.94	N.A.	24.90
0-40	1674.83	N.A.	41.50
0-60	3086.43	N.A.	76.50
0-80	3955.73	N.A.	98.10
0-90	4033.56	N.A.	100.00
10-90	3915.54	N.A.	97.10
20-40	1211.44	N.A.	30.00
20-50	1935.02	N.A.	48.00
40-70	1963.64	N.A.	48.70
60-80	869.30	N.A.	21.60
70-80	317.26	N.A.	7.90
80-90	77.82	N.A.	1.90
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4033.56	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.02
10-20	345.37
20-30	539.54
30-40	671.89
40-50	723.58
50-60	688.03
60-70	552.04
70-80	317.26
80-90	77.82
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

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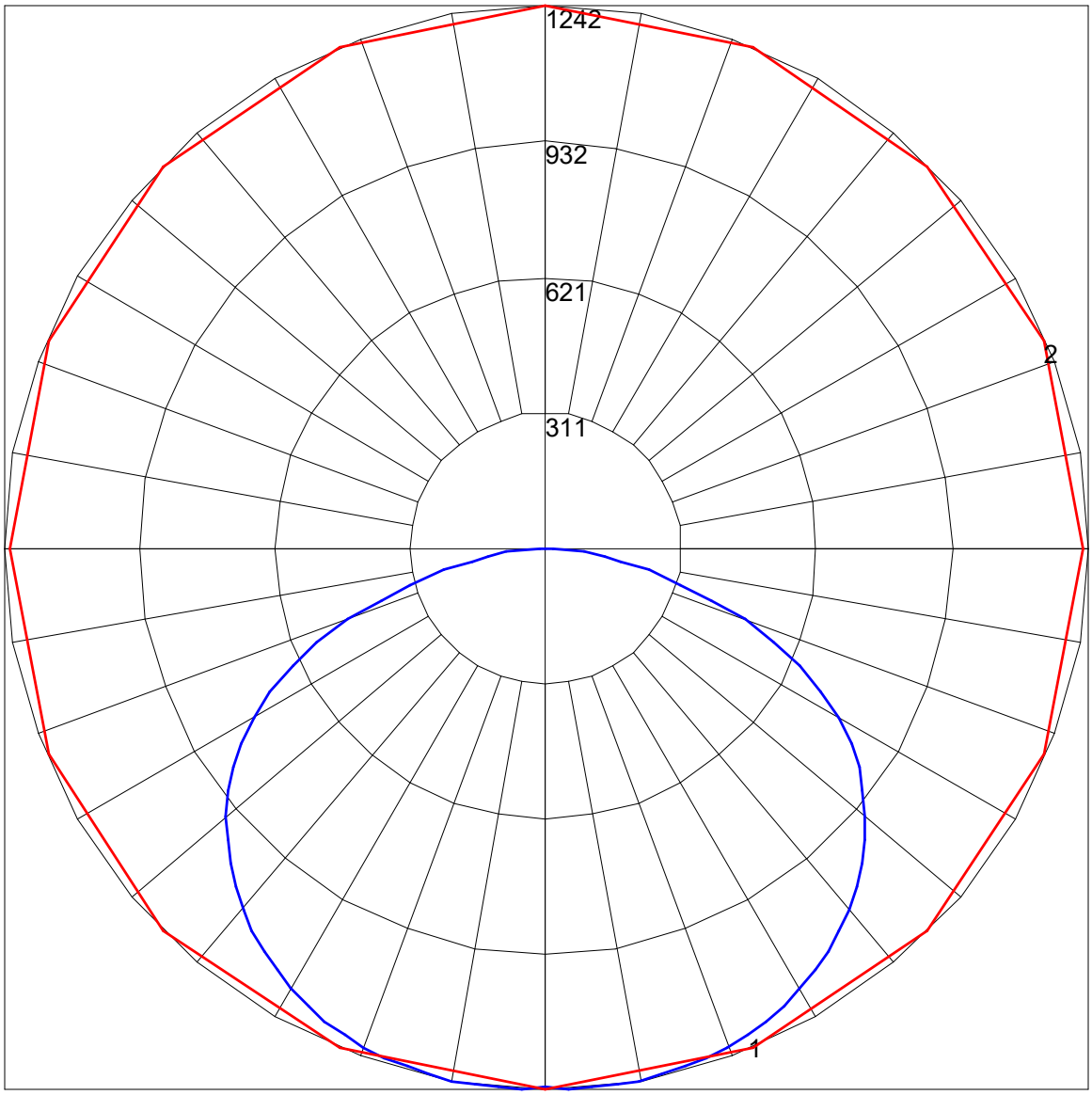
POLAR GRAPH



Maximum Candela = 1242 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)