IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-39L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8827
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]04/25/17
[TESTDATE]04/25/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-LED-39L-40
[_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	3882
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	30.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2854	3374	3863
55	2604	3403	4212
65	2332	3449	4677
75	1984	3553	5558
85	1512	3654	5512

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1161	1161	1161	1161	1161
2.5	1178	1173	1162	1152	1149
5.0	1178	1172	1161	1153	1150
7.5	1173	1169	1159	1153	1151
10.0	1166	1163	1156	1152	1151
12.5	1156	1153	1151	1150	1150
15.0	1142	1142	1144	1147	1149
17.5	1126	1126	1133	1141	1145
20.0	1104	1109	1121	1136	1140
22.5	1081	1088	1108	1128	1135
25.0	1054	1065	1092	1118	1128
27.5	1024	1038	1072	1106	1119
30.0	990	1008	1050	1092	1108
32.5	952	975	1027	1076	1094
35.0	913	940	1000	1057	1077
37.5	871	901	970	1036	1061
40.0	828	859	938	1012	1040
42.5	782	817	905	987	1018
45.0	735	774	869	960	995
47.5	687	728	832	932	968
50.0	638	682	794	901	941
52.5	590	636	753	867	912
55.0	544	589	711	832	880
57.5	496	542	668	794	840
60.0	450	496	623	755	802
62.5	404	448	577	711	763
65.0	359	401	531	668	720
67.5	313	353	481	622	676
70.0	270	308	433	575	630
72.5	226	262	385	524	581
75.0	187	220	335	470	524
77.5	148	179	286	409	453
80.0	112	140	233	339	378
82.5	80	101	178	258	283
85.0	48	63	116	163	175
87.5	19	26	49	70	75
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	434.14	N.A.	11.20
0-30	937.37	N.A.	24.10
0-40	1561.7	N.A.	40.20
0-60	2865.96	N.A.	73.80
0-80	3757.04	N.A.	96.80
0-90	3882.36	N.A.	100.00
10-90	3771.57	N.A.	97.10
20-40	1127.56	N.A.	29.00
20-50	1796.47	N.A.	46.30
40-70	1833.06	N.A.	47.20
60-80	891.09	N.A.	23.00
70-80	362.28	N.A.	9.30
80-90	125.32	N.A.	3.20
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	3882.36	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.79
10-20	323.34
20-30	503.23
30-40	624.33
40-50	668.92
50-60	635.34
60-70	528.80
70-80	362.28
80-90	125.32
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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

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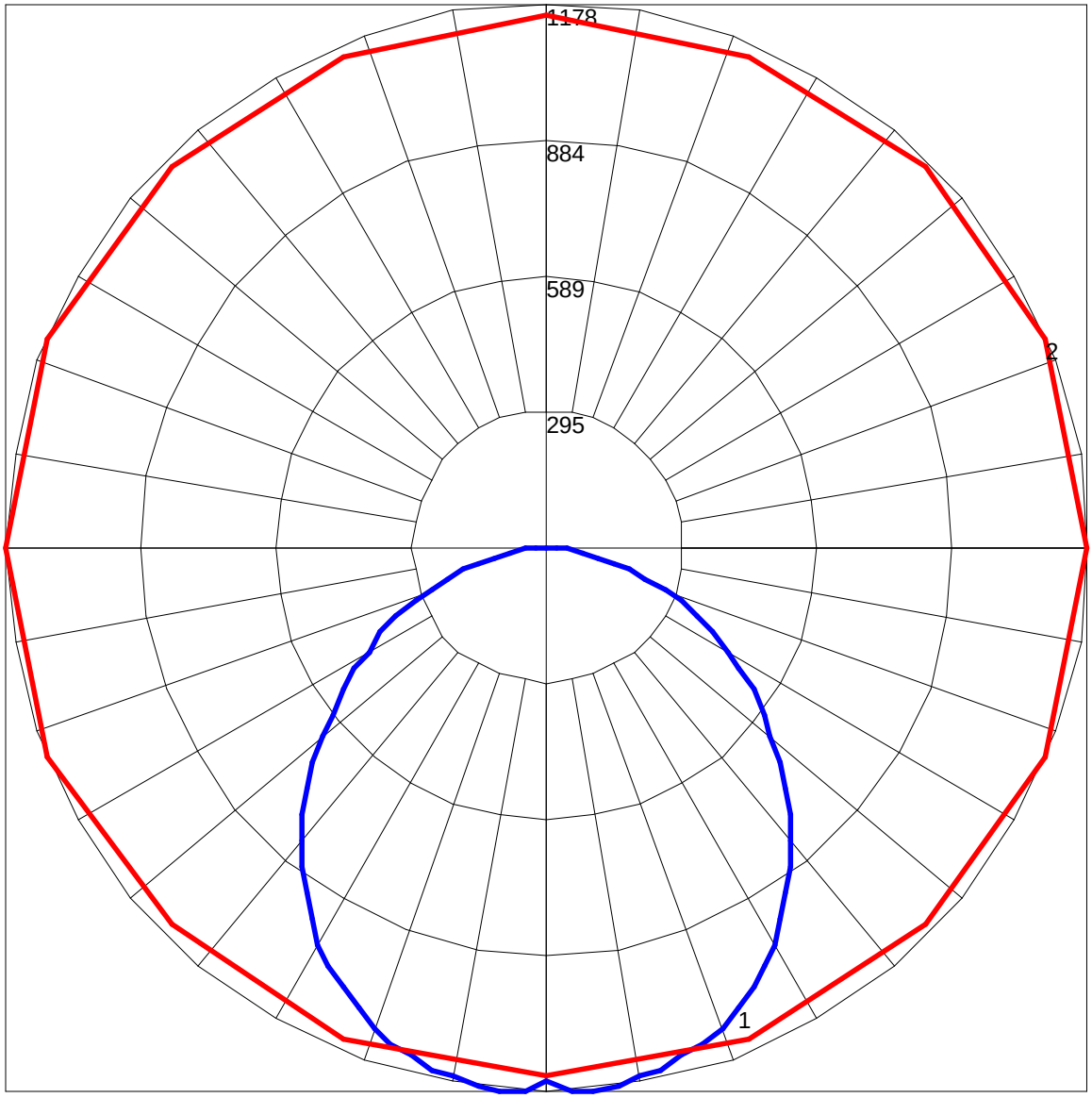
POLAR GRAPH



Maximum Candela = 1178 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)