IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-20L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9028R Report: LSI-PH0411
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]06/19/17
[TESTDATE]06/19/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-LED-20L-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	2238
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	18.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
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	1582	1897	2179
55	1448	1926	2395
65	1310	1985	2697
75	1132	2077	3241
85	895	2221	3671

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	650	650	650	650	650
2.5	663	658	651	644	641
5.0	662	658	650	644	641
7.5	660	656	650	645	642
10.0	656	653	648	645	644
12.5	650	648	646	645	644
15.0	642	641	643	644	645
17.5	634	634	637	643	644
20.0	622	624	633	640	643
22.5	609	613	625	637	641
25.0	593	600	617	633	639
27.5	576	584	607	628	635
30.0	557	568	595	621	631
32.5	536	550	582	614	624
35.0	514	530	568	603	616
37.5	491	509	553	593	608
40.0	466	487	535	580	597
42.5	442	464	518	568	586
45.0	416	440	499	553	573
47.5	390	416	478	537	559
50.0	363	390	457	521	544
52.5	335	363	435	504	529
55.0	309	337	411	485	511
57.5	283	311	388	463	491
60.0	257	285	363	442	471
62.5	232	259	338	418	449
65.0	206	233	312	394	424
67.5	181	206	284	368	399
70.0	156	179	256	341	373
72.5	133	153	228	312	344
75.0	109	129	200	281	312
77.5	87	105	171	248	277
80.0	67	82	141	209	235
82.5	47	60	108	163	185
85.0	29	38	72	109	119
87.5	13	16	34	52	58
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	243.85	N.A.	10.90
0-30	528.12	N.A.	23.60
0-40	882.79	N.A.	39.40
0-60	1633.22	N.A.	73.00
0-80	2158.81	N.A.	96.40
0-90	2238.33	N.A.	100.00
10-90	2176.25	N.A.	97.20
20-40	638.94	N.A.	28.50
20-50	1022.12	N.A.	45.70
40-70	1060.27	N.A.	47.40
60-80	525.59	N.A.	23.50
70-80	215.76	N.A.	9.60
80-90	79.52	N.A.	3.60
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	2238.33	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.08
10-20	181.77
20-30	284.27
30-40	354.67
40-50	383.18
50-60	367.26
60-70	309.83
70-80	215.76
80-90	79.52
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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	48	42	54	47	42	52	46	41	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	28	23	21

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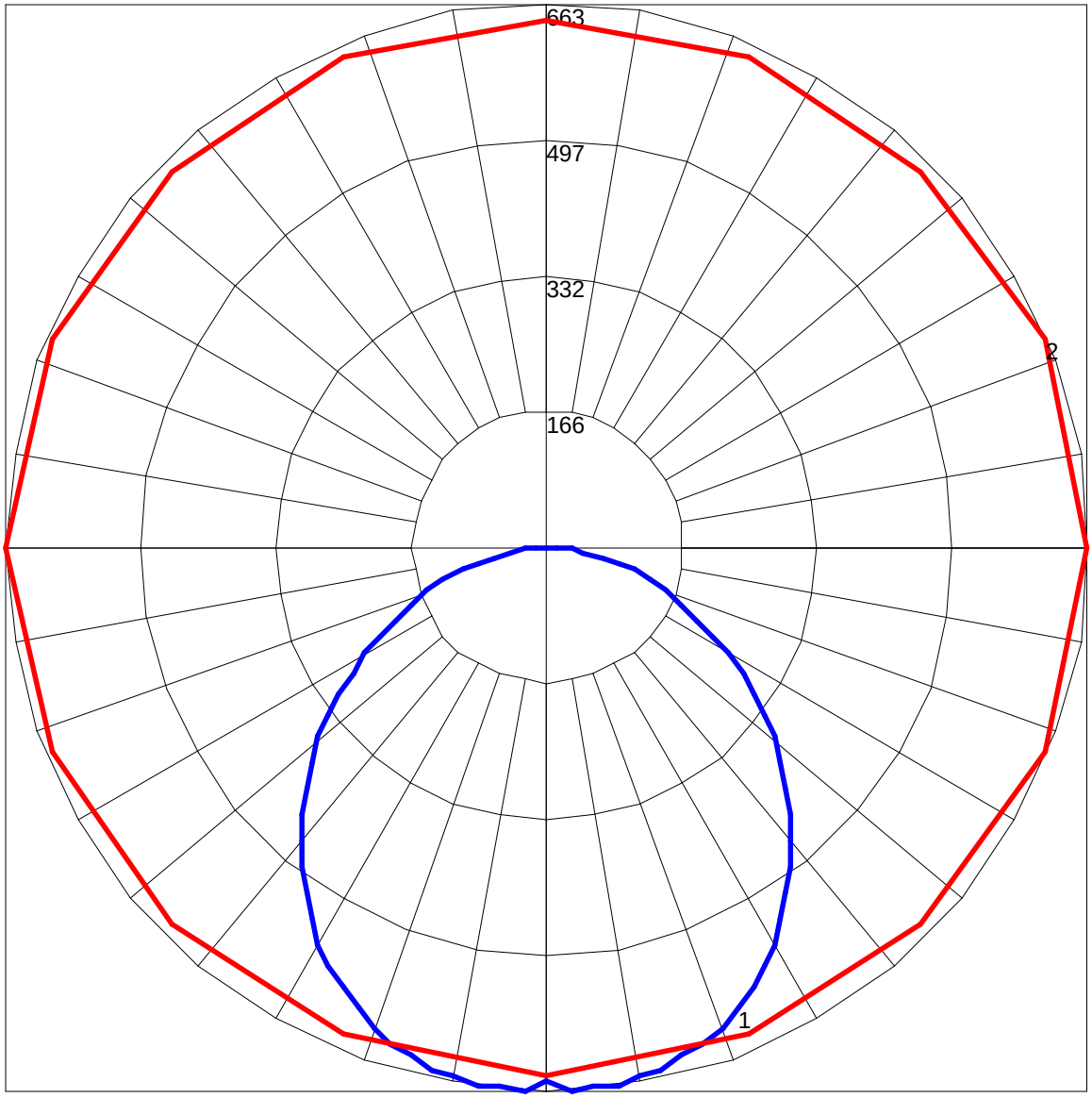
POLAR GRAPH



Maximum Candela = 663 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.)