



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-32L-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-8833\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUEDATE]07/10/17  
[TESTDATE]04/26/17  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPEC22-LED-32L-50  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3627
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	25.8
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	2552	3070	3539
55	2341	3138	3893
65	2118	3189	4350
75	1804	3366	5244
85	1381	3645	6019

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-32L-50.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1058.026	1058.026	1058.026	1058.026	1058.026
2.5	1077.718	1070.558	1058.026	1049.075	1043.704
5.0	1077.718	1068.767	1059.816	1049.075	1043.704
7.5	1072.348	1065.187	1056.236	1050.865	1045.494
10.0	1065.187	1059.816	1054.445	1050.865	1049.075
12.5	1054.445	1050.865	1049.075	1047.285	1049.075
15.0	1043.704	1043.704	1045.494	1049.075	1047.285
17.5	1027.592	1029.382	1036.543	1043.704	1045.494
20.0	1009.690	1015.060	1027.592	1041.914	1045.494
22.5	988.207	995.368	1015.060	1034.753	1040.124
25.0	964.934	973.885	1000.739	1027.592	1036.543
27.5	936.290	950.612	986.417	1020.431	1031.173
30.0	904.066	921.968	964.934	1007.900	1022.221
32.5	870.052	891.535	945.241	993.578	1013.270
35.0	836.037	861.101	921.968	981.046	1000.739
37.5	796.652	825.296	895.115	961.354	986.417
40.0	755.477	789.491	868.262	941.661	968.514
42.5	714.302	751.897	839.618	920.178	948.822
45.0	671.336	712.512	807.394	895.115	930.920
47.5	631.951	671.336	775.170	871.842	909.437
50.0	588.986	630.161	739.365	844.989	884.374
52.5	544.230	588.986	705.351	818.135	855.730
55.0	499.474	547.810	669.546	785.911	830.667
57.5	458.299	504.845	628.371	751.897	800.233
60.0	413.543	460.089	588.986	714.302	762.638
62.5	374.158	418.914	547.810	680.287	726.833
65.0	332.983	374.158	501.264	637.322	683.868
67.5	291.807	331.193	460.089	594.356	646.273
70.0	250.632	288.227	413.543	551.391	601.517
72.5	213.037	247.052	368.787	506.635	558.552
75.0	173.652	207.667	324.032	456.509	504.845
77.5	137.848	168.282	275.695	399.221	449.348
80.0	105.624	132.477	227.359	340.144	381.319
82.5	75.190	94.882	173.652	264.954	298.968
85.0	44.756	60.868	118.155	177.233	195.135
87.5	19.693	25.063	53.707	75.190	76.980
90.0	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-32L-50.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	396.40	N.A.	10.90
0-30	858.10	N.A.	23.70
0-40	1433.55	N.A.	39.50
0-60	2650.11	N.A.	73.10
0-80	3499.5	N.A.	96.50
0-90	3626.76	N.A.	100.00
10-90	3525.77	N.A.	97.20
20-40	1037.15	N.A.	28.60
20-50	1658.01	N.A.	45.70
40-70	1717.3	N.A.	47.40
60-80	849.40	N.A.	23.40
70-80	348.65	N.A.	9.60
80-90	127.25	N.A.	3.50
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	3626.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.99
10-20	295.41
20-30	461.70
30-40	575.45
40-50	620.86
50-60	595.70
60-70	500.74
70-80	348.65
80-90	127.25
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

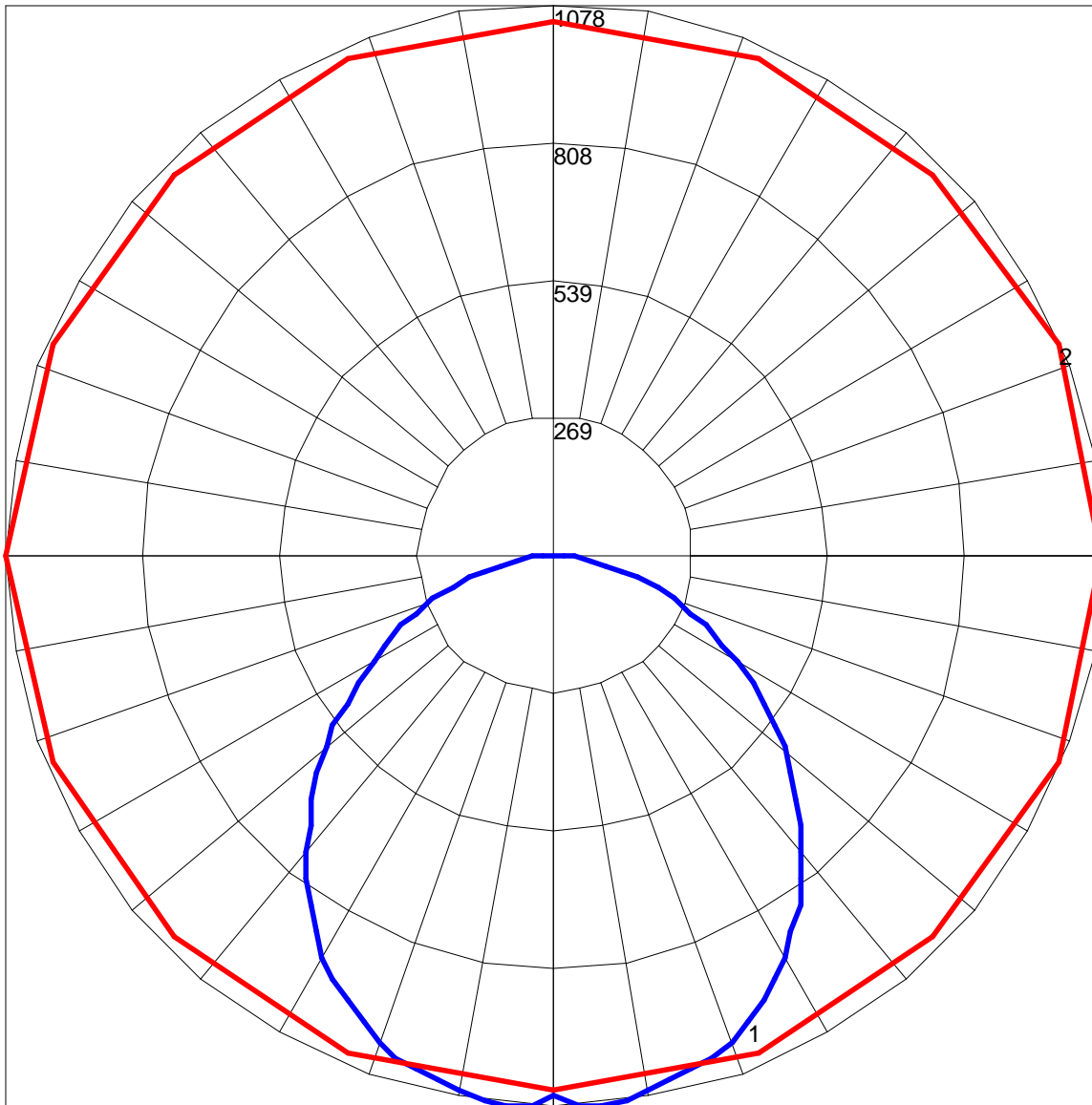
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC22-LED-32L-50.IES**

**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	55
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	49	42	54	47	42	52	46	42	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	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	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	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1077.718 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.)