



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-30L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8913  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/16/17  
[TEST DATE]05/16/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC24-LED-30L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3032
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	23.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	1078	1297	1477
55	1014	1343	1629
65	935	1398	1845
75	840	1517	2220
85	733	1777	2291

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-30L-40.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	844	844	844	844	844
<b>2.5</b>	861	851	845	837	832
<b>5.0</b>	860	851	845	840	835
<b>7.5</b>	858	850	845	840	835
<b>10.0</b>	852	845	843	840	836
<b>12.5</b>	846	839	840	839	838
<b>15.0</b>	837	833	836	841	840
<b>17.5</b>	824	822	831	840	841
<b>20.0</b>	813	813	826	839	842
<b>22.5</b>	796	800	819	837	841
<b>25.0</b>	778	784	810	833	839
<b>27.5</b>	755	766	799	827	835
<b>30.0</b>	733	747	786	821	831
<b>32.5</b>	709	725	772	813	824
<b>35.0</b>	683	702	756	804	816
<b>37.5</b>	654	678	740	794	809
<b>40.0</b>	625	652	719	779	797
<b>42.5</b>	596	625	700	766	785
<b>45.0</b>	561	595	675	748	769
<b>47.5</b>	528	563	650	729	752
<b>50.0</b>	497	533	625	709	734
<b>52.5</b>	463	501	597	686	715
<b>55.0</b>	428	466	567	660	688
<b>57.5</b>	395	434	537	634	664
<b>60.0</b>	362	400	505	605	636
<b>62.5</b>	328	364	471	574	606
<b>65.0</b>	291	328	435	541	574
<b>67.5</b>	258	292	399	506	539
<b>70.0</b>	224	257	363	471	505
<b>72.5</b>	192	223	326	433	465
<b>75.0</b>	160	190	289	390	423
<b>77.5</b>	128	156	249	343	369
<b>80.0</b>	100	125	208	290	312
<b>82.5</b>	73	94	163	227	239
<b>85.0</b>	47	65	114	147	147
<b>87.5</b>	25	34	54	74	76
<b>90.0</b>	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-30L-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	317.33	N.A.	10.50
0-30	690.44	N.A.	22.80
0-40	1161.94	N.A.	38.30
0-60	2183.59	N.A.	72.00
0-80	2917.46	N.A.	96.20
0-90	3032.43	N.A.	100.00
10-90	2951.78	N.A.	97.30
20-40	844.61	N.A.	27.90
20-50	1362.39	N.A.	44.90
40-70	1451.33	N.A.	47.90
60-80	733.87	N.A.	24.20
70-80	304.19	N.A.	10.00
80-90	114.97	N.A.	3.80
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	3032.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	80.65
10-20	236.68
20-30	373.12
30-40	471.50
40-50	517.77
50-60	503.87
60-70	429.68
70-80	304.19
80-90	114.97
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

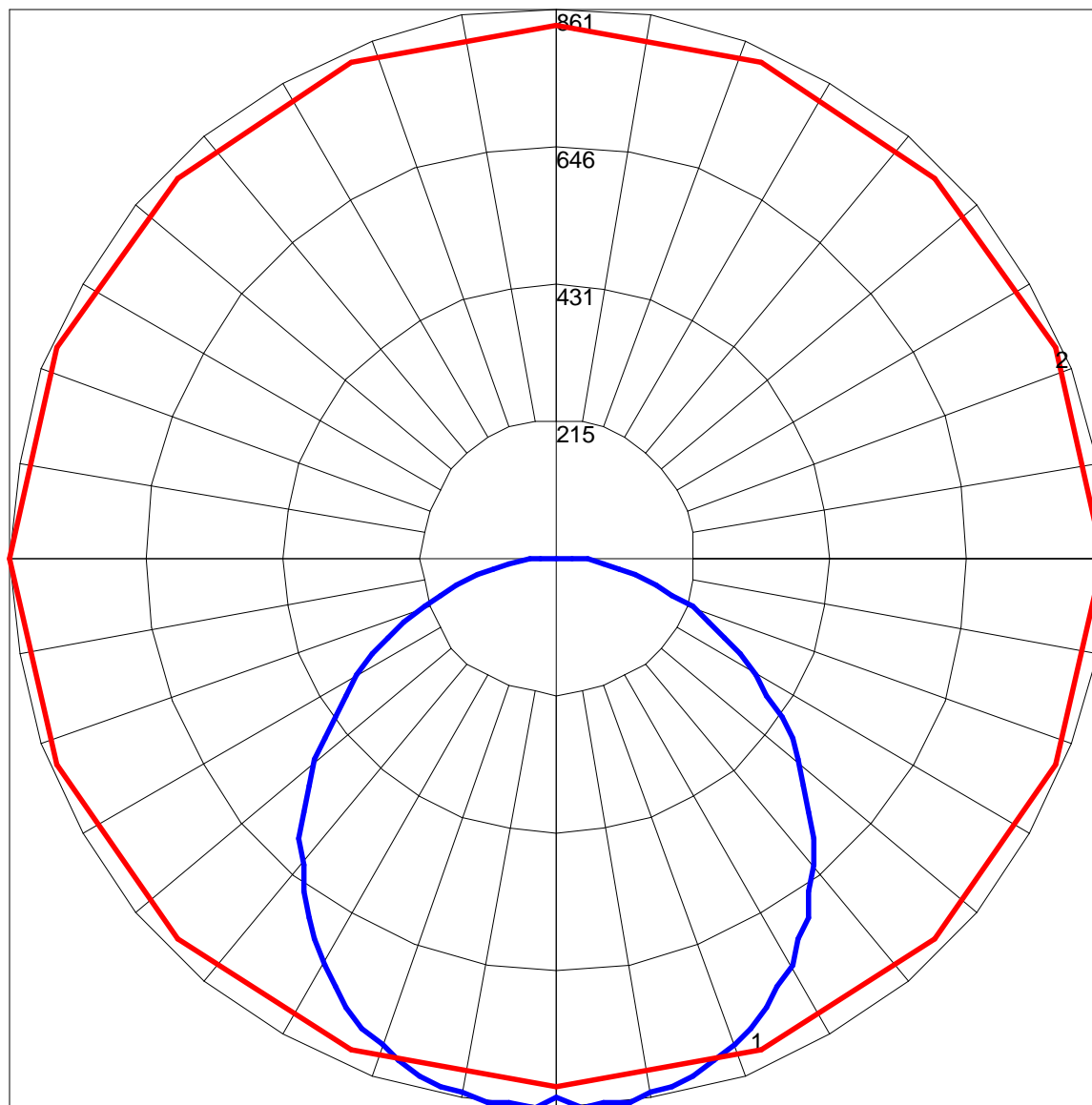
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-LED-30L-40.IES**

**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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 861 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.)