



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-30L-50.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8781\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/13/17  
[TEST DATE]04/18/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC24-LED-30L-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 SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	24.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
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	1200	1369	1507
55	1102	1373	1589
65	1022	1417	1728
75	924	1625	2125
85	843	2065	1983

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	970.010	970.010	970.010	970.010	970.010
2.5	993.332	978.491	971.070	961.529	954.108
5.0	993.332	978.491	971.070	962.589	955.168
7.5	989.092	975.310	968.950	962.589	955.168
10.0	983.791	971.070	965.769	961.529	955.168
12.5	975.310	963.649	961.529	958.348	953.048
15.0	964.709	953.048	953.048	954.108	949.868
17.5	949.868	940.326	944.567	948.807	945.627
20.0	931.845	925.485	933.966	941.387	940.326
22.5	911.703	908.523	921.244	932.906	933.966
25.0	889.441	889.441	906.403	923.365	924.425
27.5	862.938	866.118	888.381	909.583	914.884
30.0	835.375	841.735	869.298	896.862	902.162
32.5	803.571	813.112	848.096	879.900	887.320
35.0	769.647	783.429	824.773	861.878	870.359
37.5	735.723	751.625	797.210	841.735	852.336
40.0	699.679	718.761	771.767	819.473	832.194
42.5	662.575	683.777	742.084	796.150	808.872
45.0	624.411	646.673	712.401	769.647	784.489
47.5	583.066	610.629	680.597	743.144	759.046
50.0	542.781	573.525	646.673	714.521	732.543
52.5	503.557	535.361	613.809	682.717	701.799
55.0	465.393	498.256	579.886	650.914	671.056
57.5	427.228	462.212	545.962	619.110	638.192
60.0	391.184	425.108	510.978	586.246	605.329
62.5	354.080	389.064	475.994	551.262	571.405
65.0	318.036	353.020	441.010	517.339	537.481
67.5	278.812	314.856	408.146	484.475	503.557
70.0	243.828	281.992	373.162	450.551	469.633
72.5	209.904	249.128	340.299	416.627	436.769
75.0	175.980	217.325	309.555	384.824	404.966
77.5	144.176	187.641	277.751	354.080	369.982
80.0	113.433	159.018	248.068	298.954	301.074
82.5	83.749	129.335	202.483	219.445	209.904
85.0	54.066	98.591	132.515	130.395	127.214
87.5	26.503	54.066	59.367	63.607	63.607
90.0	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	362.26	N.A.	11.20
0-30	780.02	N.A.	24.20
0-40	1294.6	N.A.	40.10
0-60	2355.25	N.A.	73.00
0-80	3102.64	N.A.	96.10
0-90	3227.06	N.A.	100.00
10-90	3134.49	N.A.	97.10
20-40	932.34	N.A.	28.90
20-50	1478.95	N.A.	45.80
40-70	1491.45	N.A.	46.20
60-80	747.40	N.A.	23.20
70-80	316.59	N.A.	9.80
80-90	124.42	N.A.	3.90
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	3227.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	92.57
10-20	269.69
20-30	417.76
30-40	514.58
40-50	546.61
50-60	514.03
60-70	430.80
70-80	316.59
80-90	124.42
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

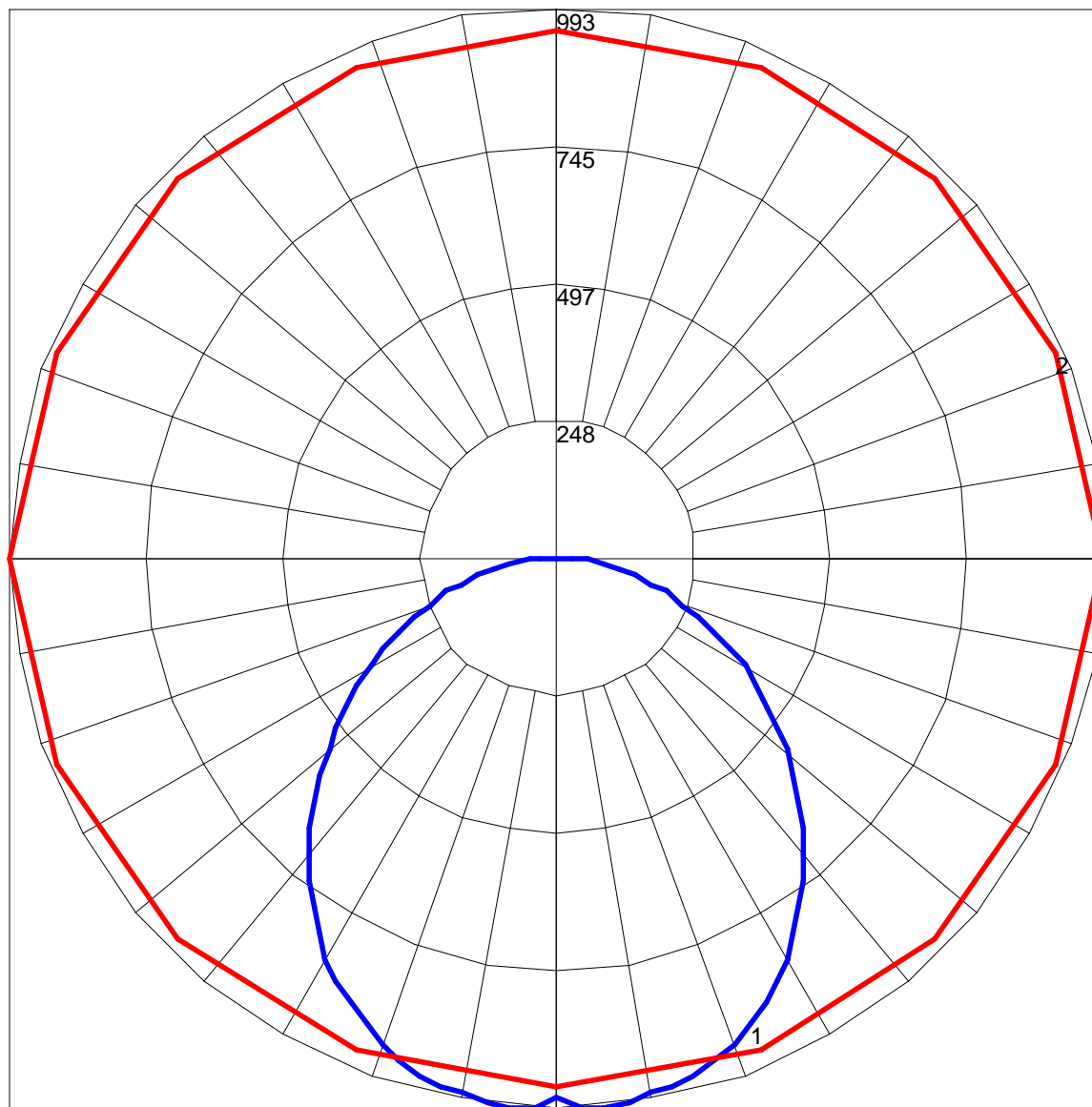
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	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	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 993.332 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.)