



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-40L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8781\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]08/18/17  
[TEST DATE]04/18/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC24-LED-40L-30  
[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	3929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	31.8
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	1460	1666	1835
55	1342	1672	1935
65	1245	1726	2103
75	1125	1978	2588
85	1026	2515	2414

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-40L-30.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>	1181.018	1181.018	1181.018	1181.018	1181.018
<b>2.5</b>	1209.414	1191.344	1182.309	1170.692	1161.657
<b>5.0</b>	1209.414	1191.344	1182.309	1171.983	1162.948
<b>7.5</b>	1204.251	1187.472	1179.727	1171.983	1162.948
<b>10.0</b>	1197.797	1182.309	1175.855	1170.692	1162.948
<b>12.5</b>	1187.472	1173.274	1170.692	1166.820	1160.366
<b>15.0</b>	1174.564	1160.366	1160.366	1161.657	1156.494
<b>17.5</b>	1156.494	1144.878	1150.040	1155.203	1151.331
<b>20.0</b>	1134.552	1126.807	1137.133	1146.168	1144.878
<b>22.5</b>	1110.028	1106.156	1121.644	1135.842	1137.133
<b>25.0</b>	1082.922	1082.922	1103.574	1124.226	1125.517
<b>27.5</b>	1050.654	1054.526	1081.632	1107.446	1113.900
<b>30.0</b>	1017.095	1024.840	1058.399	1091.958	1098.411
<b>32.5</b>	978.373	989.990	1032.584	1071.306	1080.341
<b>35.0</b>	937.070	953.849	1004.188	1049.363	1059.689
<b>37.5</b>	895.767	915.128	970.629	1024.840	1037.747
<b>40.0</b>	851.882	875.115	939.651	997.734	1013.223
<b>42.5</b>	806.706	832.521	903.511	969.338	984.827
<b>45.0</b>	760.240	787.345	867.371	937.070	955.140
<b>47.5</b>	709.901	743.460	828.649	904.802	924.163
<b>50.0</b>	660.854	698.285	787.345	869.952	891.894
<b>52.5</b>	613.097	651.819	747.333	831.230	854.463
<b>55.0</b>	566.630	606.643	706.029	792.508	817.032
<b>57.5</b>	520.164	562.758	664.726	753.786	777.019
<b>60.0</b>	476.279	517.583	622.132	713.774	737.007
<b>62.5</b>	431.104	473.698	579.538	671.180	695.703
<b>65.0</b>	387.219	429.813	536.944	629.876	654.400
<b>67.5</b>	339.462	383.347	496.931	589.864	613.097
<b>70.0</b>	296.868	343.334	454.337	548.560	571.793
<b>72.5</b>	255.565	303.322	414.324	507.257	531.781
<b>75.0</b>	214.261	264.600	376.893	468.535	493.059
<b>77.5</b>	175.539	228.459	338.171	431.104	450.465
<b>80.0</b>	138.108	193.609	302.031	363.986	366.567
<b>82.5</b>	101.968	157.469	246.529	267.181	255.565
<b>85.0</b>	65.827	120.038	161.341	158.760	154.888
<b>87.5</b>	32.268	65.827	72.281	77.444	77.444
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-40L-30.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	441.06	N.A.	11.20
0-30	949.70	N.A.	24.20
0-40	1576.22	N.A.	40.10
0-60	2867.59	N.A.	73.00
0-80	3777.57	N.A.	96.10
0-90	3929.05	N.A.	100.00
10-90	3816.34	N.A.	97.10
20-40	1135.15	N.A.	28.90
20-50	1800.67	N.A.	45.80
40-70	1815.89	N.A.	46.20
60-80	909.98	N.A.	23.20
70-80	385.46	N.A.	9.80
80-90	151.48	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	3929.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	112.71
10-20	328.35
20-30	508.63
30-40	626.52
40-50	665.52
50-60	625.85
60-70	524.52
70-80	385.46
80-90	151.48
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

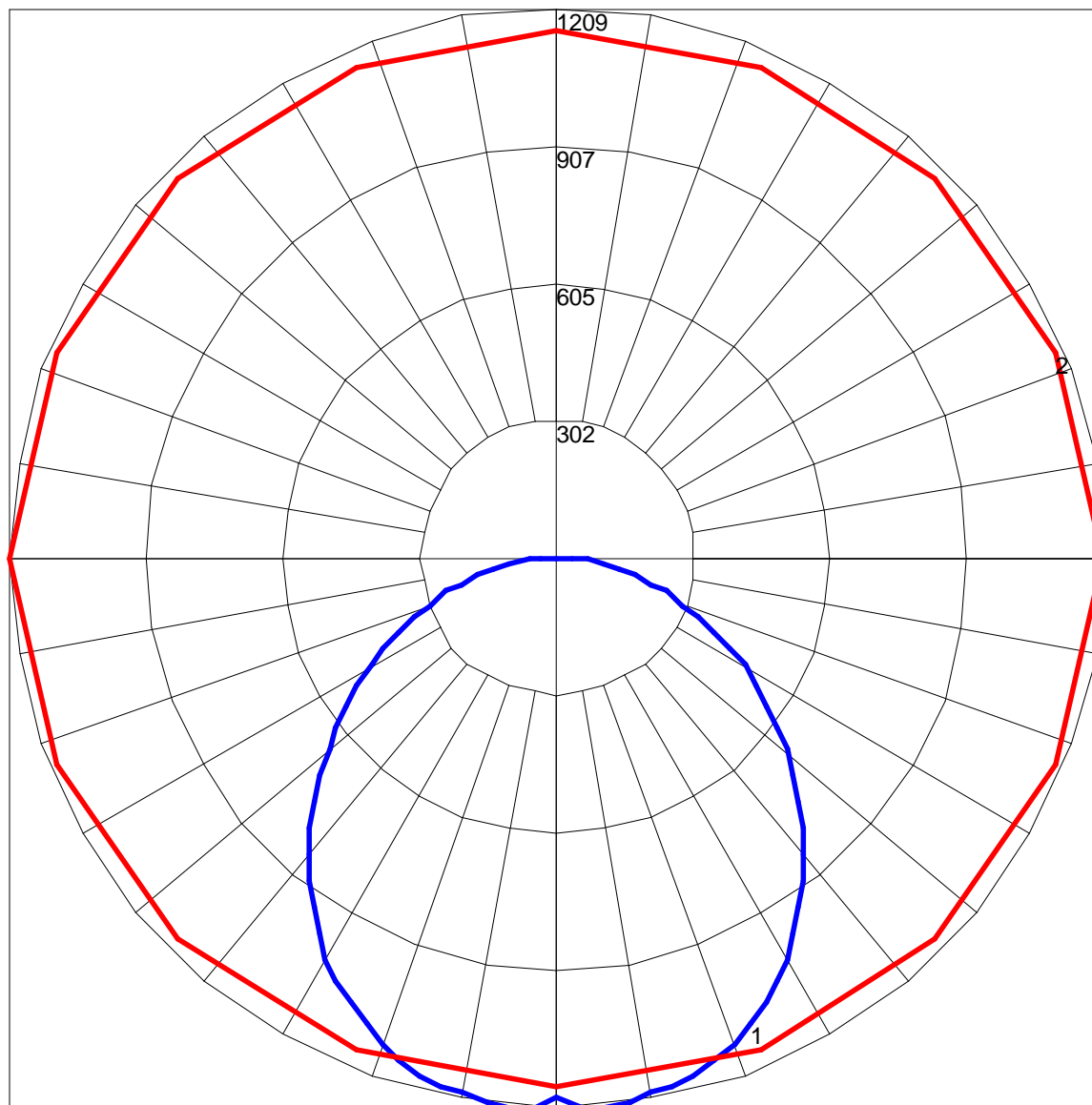
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-40L-30.IES**

**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	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 = 1209.414 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.)