



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-72L-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-72L-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 SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7037
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	59.6
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	2616	2984	3286
55	2403	2995	3466
65	2229	3091	3767
75	2014	3543	4635
85	1838	4504	4324

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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	2115.242	2115.242	2115.242	2115.242	2115.242
2.5	2166.100	2133.736	2117.554	2096.748	2080.566
5.0	2166.100	2133.736	2117.554	2099.060	2082.878
7.5	2156.853	2126.801	2112.930	2099.060	2082.878
10.0	2145.295	2117.554	2105.995	2096.748	2082.878
12.5	2126.801	2101.372	2096.748	2089.813	2078.254
15.0	2103.683	2078.254	2078.254	2080.566	2071.319
17.5	2071.319	2050.513	2059.760	2069.007	2062.072
20.0	2032.019	2018.149	2036.643	2052.825	2050.513
22.5	1988.096	1981.161	2008.902	2034.331	2036.643
25.0	1939.550	1939.550	1976.538	2013.525	2015.837
27.5	1881.756	1888.692	1937.238	1983.473	1995.032
30.0	1821.651	1835.521	1895.627	1955.732	1967.291
32.5	1752.299	1773.105	1849.392	1918.744	1934.926
35.0	1678.323	1708.376	1798.534	1879.445	1897.938
37.5	1604.348	1639.024	1738.428	1835.521	1858.639
40.0	1525.748	1567.360	1682.947	1786.975	1814.716
42.5	1444.837	1491.072	1618.218	1736.117	1763.858
45.0	1361.615	1410.161	1553.489	1678.323	1710.688
47.5	1271.457	1331.562	1484.137	1620.530	1655.206
50.0	1183.611	1250.651	1410.161	1558.113	1597.412
52.5	1098.076	1167.429	1338.497	1488.761	1530.372
55.0	1014.854	1086.518	1264.522	1419.408	1463.331
57.5	931.631	1007.919	1190.546	1350.056	1391.667
60.0	853.032	927.008	1114.259	1278.392	1320.003
62.5	772.121	848.409	1037.971	1202.105	1246.028
65.0	693.522	769.809	961.684	1128.129	1172.052
67.5	607.988	686.587	890.020	1056.465	1098.076
70.0	531.700	614.923	813.732	982.489	1024.101
72.5	457.725	543.259	742.069	908.514	952.437
75.0	383.749	473.907	675.028	839.162	883.085
77.5	314.397	409.178	605.676	772.121	806.797
80.0	247.356	346.761	540.947	651.911	656.534
82.5	182.627	282.032	441.542	478.530	457.725
85.0	117.899	214.992	288.967	284.344	277.409
87.5	57.793	117.899	129.457	138.704	138.704
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	789.96	N.A.	11.20
0-30	1700.94	N.A.	24.20
0-40	2823.06	N.A.	40.10
0-60	5135.94	N.A.	73.00
0-80	6765.75	N.A.	96.10
0-90	7037.06	N.A.	100.00
10-90	6835.19	N.A.	97.10
20-40	2033.1	N.A.	28.90
20-50	3225.06	N.A.	45.80
40-70	3252.32	N.A.	46.20
60-80	1629.81	N.A.	23.20
70-80	690.38	N.A.	9.80
80-90	271.31	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	7037.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	201.87
10-20	588.09
20-30	910.98
30-40	1122.12
40-50	1191.97
50-60	1120.92
60-70	939.43
70-80	690.38
80-90	271.31
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

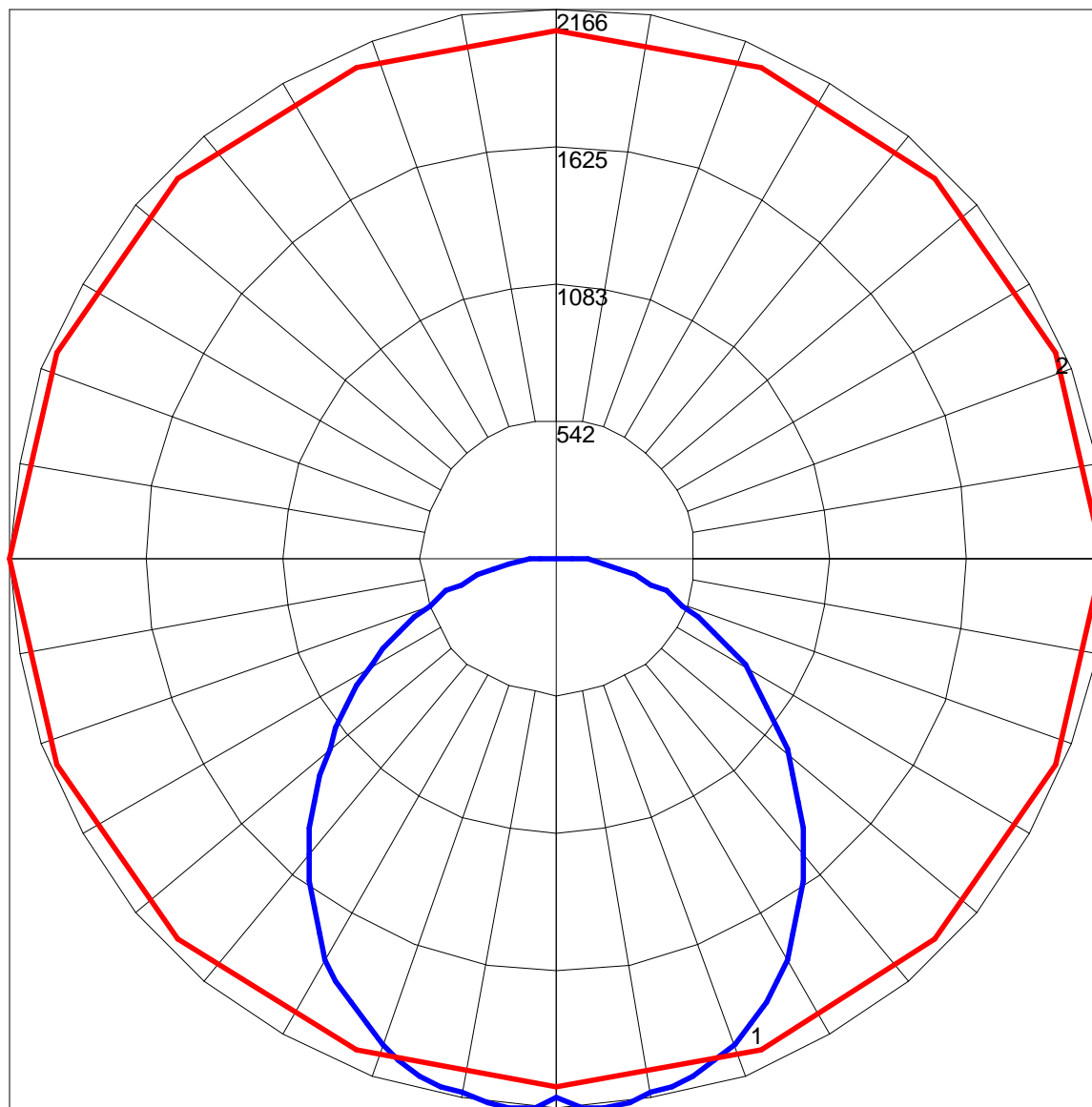
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2166.1 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.)