



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-30L-50.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8850\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/11/17  
[TEST DATE]04/28/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-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\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3199
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2483	2779	3020
55	2303	2764	3136
65	2138	2814	3227
75	1960	2799	2717
85	1809	2543	2836

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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	1009.792	1009.792	1009.792	1009.792	1009.792
2.5	1035.155	1019.303	1011.377	1001.865	997.110
5.0	1031.985	1017.718	1011.377	1001.865	993.939
7.5	1027.229	1014.547	1008.206	1000.280	995.524
10.0	1027.229	1011.377	1006.621	1000.280	993.939
12.5	1016.132	1001.865	1000.280	995.524	990.769
15.0	1005.036	992.354	993.939	993.939	987.598
17.5	992.354	981.257	982.843	986.013	982.843
20.0	971.746	963.820	968.576	974.916	973.331
22.5	951.138	946.382	954.308	965.405	963.820
25.0	930.530	925.774	940.041	952.723	952.723
27.5	901.996	901.996	921.019	938.456	941.627
30.0	871.876	878.217	900.411	922.604	927.360
32.5	838.587	846.513	876.632	903.581	908.337
35.0	806.882	817.979	852.854	886.144	892.484
37.5	768.837	783.104	824.320	862.365	870.291
40.0	733.961	749.814	797.371	838.587	848.098
42.5	691.160	710.183	764.081	808.467	821.149
45.0	653.115	672.138	730.791	781.518	794.200
47.5	611.899	637.262	699.086	754.569	768.837
50.0	570.683	597.632	662.626	721.280	733.961
52.5	531.052	559.586	629.336	686.405	703.842
55.0	491.421	519.955	589.706	651.530	668.967
57.5	451.791	483.495	556.416	616.654	634.092
60.0	413.745	445.450	516.785	577.024	596.046
62.5	372.529	404.234	478.739	537.393	551.660
65.0	336.069	366.188	442.279	497.762	507.274
67.5	294.853	324.972	401.063	443.864	448.620
70.0	256.807	291.682	359.847	388.381	383.626
72.5	223.517	258.392	317.046	331.313	323.387
75.0	188.642	223.517	269.489	267.904	261.563
77.5	155.353	191.813	220.347	214.006	204.495
80.0	120.477	152.182	168.034	161.693	158.523
82.5	87.188	115.722	123.648	122.063	122.063
85.0	58.654	77.676	82.432	87.188	91.943
87.5	30.119	39.631	39.631	42.801	44.386
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	377.00	N.A.	11.80
0-30	810.21	N.A.	25.30
0-40	1342.29	N.A.	42.00
0-60	2428.28	N.A.	75.90
0-80	3113.74	N.A.	97.30
0-90	3199.37	N.A.	100.00
10-90	3103.02	N.A.	97.00
20-40	965.29	N.A.	30.20
20-50	1526.98	N.A.	47.70
40-70	1510.13	N.A.	47.20
60-80	685.46	N.A.	21.40
70-80	261.32	N.A.	8.20
80-90	85.63	N.A.	2.70
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	3199.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	96.35
10-20	280.65
20-30	433.20
30-40	532.09
40-50	561.69
50-60	524.29
60-70	424.14
70-80	261.32
80-90	85.63
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

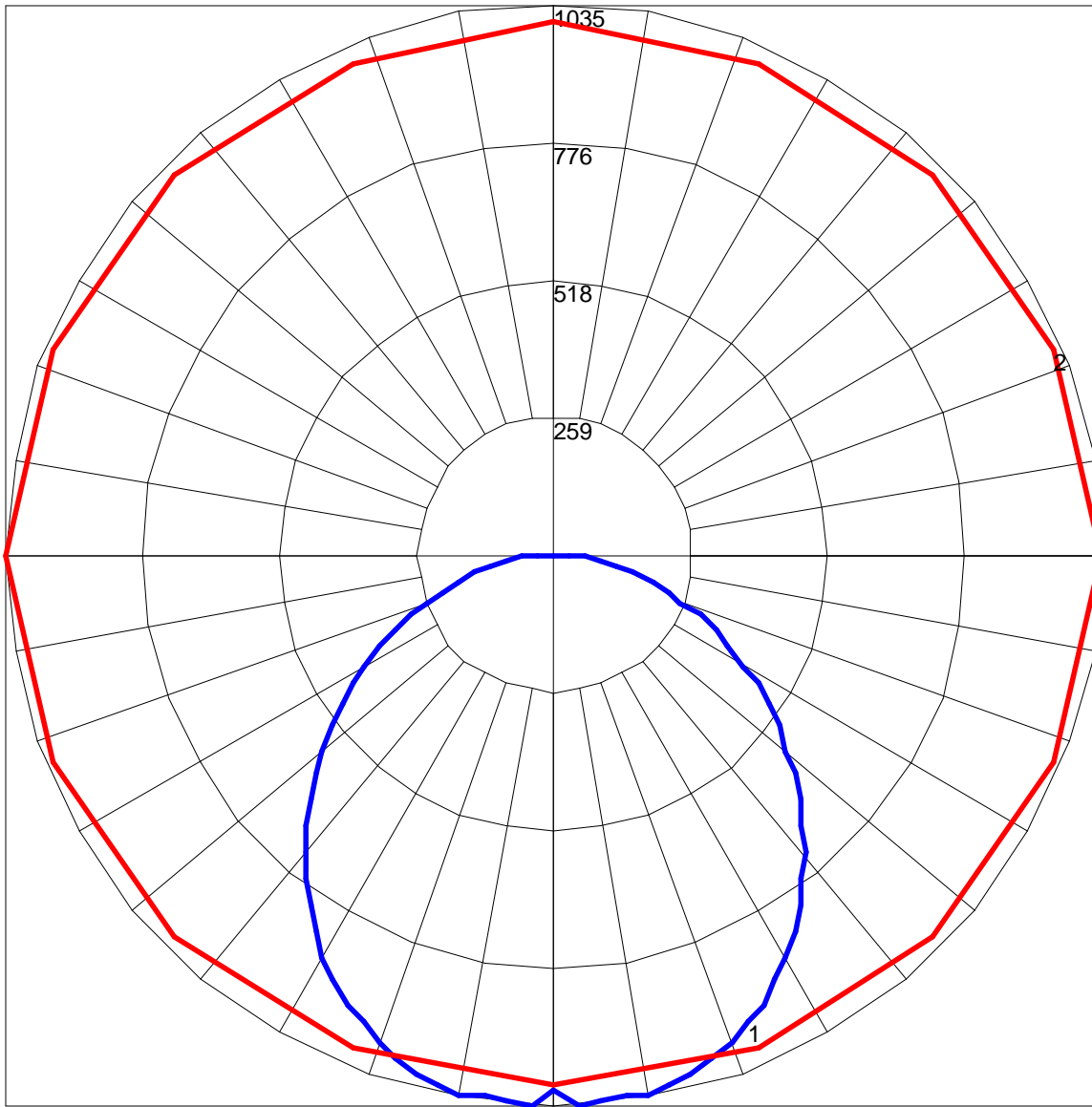
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1035.155 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.)