



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-30L-35.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-35  
[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	2918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	2265	2534	2754
55	2101	2521	2860
65	1950	2566	2944
75	1787	2553	2478
85	1650	2319	2587

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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>
<b>0.0</b>	921.089	921.089	921.089	921.089	921.089
<b>2.5</b>	944.225	929.765	922.535	913.859	909.521
<b>5.0</b>	941.333	928.319	922.535	913.859	906.629
<b>7.5</b>	936.995	925.427	919.643	912.413	908.075
<b>10.0</b>	936.995	922.535	918.197	912.413	906.629
<b>12.5</b>	926.873	913.859	912.413	908.075	903.737
<b>15.0</b>	916.751	905.183	906.629	906.629	900.846
<b>17.5</b>	905.183	895.062	896.508	899.400	896.508
<b>20.0</b>	886.386	879.156	883.494	889.278	887.832
<b>22.5</b>	867.588	863.250	870.480	880.602	879.156
<b>25.0</b>	848.790	844.452	857.466	869.034	869.034
<b>27.5</b>	822.763	822.763	840.114	856.020	858.912
<b>30.0</b>	795.289	801.073	821.317	841.560	845.898
<b>32.5</b>	764.923	772.153	799.627	824.209	828.547
<b>35.0</b>	736.004	746.126	777.937	808.303	814.087
<b>37.5</b>	701.300	714.314	751.910	786.613	793.843
<b>40.0</b>	669.489	683.949	727.328	764.923	773.599
<b>42.5</b>	630.447	647.799	696.962	737.450	749.018
<b>45.0</b>	595.744	613.095	666.597	712.868	724.436
<b>47.5</b>	558.148	581.284	637.677	688.286	701.300
<b>50.0</b>	520.553	545.134	604.420	657.921	669.489
<b>52.5</b>	484.403	510.431	574.054	626.109	642.015
<b>55.0</b>	448.254	474.281	537.905	594.298	610.204
<b>57.5</b>	412.104	441.024	507.539	562.486	578.392
<b>60.0</b>	377.401	406.320	471.389	526.337	543.688
<b>62.5</b>	339.805	368.725	436.686	490.187	503.201
<b>65.0</b>	306.548	334.021	403.428	454.038	462.714
<b>67.5</b>	268.952	296.426	365.833	404.874	409.212
<b>70.0</b>	234.249	266.060	328.237	354.265	349.927
<b>72.5</b>	203.883	235.695	289.196	302.210	294.980
<b>75.0</b>	172.072	203.883	245.817	244.371	238.587
<b>77.5</b>	141.706	174.964	200.991	195.207	186.531
<b>80.0</b>	109.894	138.814	153.274	147.490	144.598
<b>82.5</b>	79.529	105.557	112.786	111.340	111.340
<b>85.0</b>	53.501	70.853	75.191	79.529	83.867
<b>87.5</b>	27.474	36.149	36.149	39.041	40.487
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	343.89	N.A.	11.80
0-30	739.04	N.A.	25.30
0-40	1224.38	N.A.	42.00
0-60	2214.97	N.A.	75.90
0-80	2840.22	N.A.	97.30
0-90	2918.33	N.A.	100.00
10-90	2830.44	N.A.	97.00
20-40	880.50	N.A.	30.20
20-50	1392.85	N.A.	47.70
40-70	1377.47	N.A.	47.20
60-80	625.25	N.A.	21.40
70-80	238.36	N.A.	8.20
80-90	78.11	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	2918.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	87.89
10-20	256.00
20-30	395.15
30-40	485.35
40-50	512.35
50-60	478.23
60-70	386.89
70-80	238.36
80-90	78.11
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

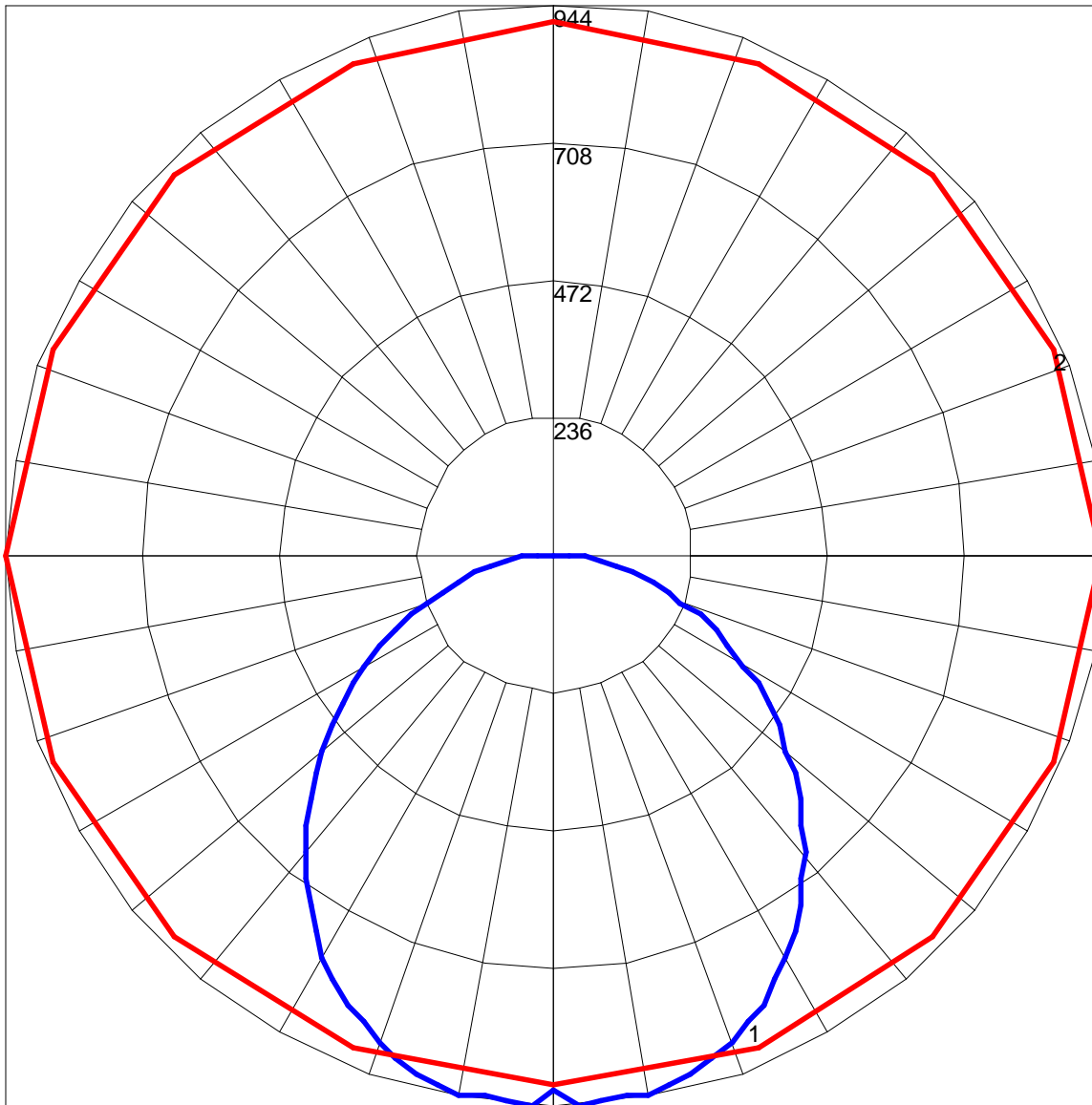
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 944.225 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.)