



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-40L-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-40L-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 SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3925
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	32.7
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	3047	3409	3705
55	2826	3391	3847
65	2623	3452	3959
75	2404	3435	3334
85	2220	3120	3480

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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>	1238.952	1238.952	1238.952	1238.952	1238.952
<b>2.5</b>	1270.072	1250.622	1240.897	1229.227	1223.392
<b>5.0</b>	1266.182	1248.677	1240.897	1229.227	1219.502
<b>7.5</b>	1260.347	1244.787	1237.007	1227.282	1221.447
<b>10.0</b>	1260.347	1240.897	1235.062	1227.282	1219.502
<b>12.5</b>	1246.732	1229.227	1227.282	1221.447	1215.613
<b>15.0</b>	1233.117	1217.557	1219.502	1219.502	1211.723
<b>17.5</b>	1217.557	1203.943	1205.888	1209.778	1205.888
<b>20.0</b>	1192.273	1182.548	1188.383	1196.163	1194.218
<b>22.5</b>	1166.988	1161.153	1170.878	1184.493	1182.548
<b>25.0</b>	1141.703	1135.868	1153.373	1168.933	1168.933
<b>27.5</b>	1106.694	1106.694	1130.033	1151.428	1155.318
<b>30.0</b>	1069.739	1077.519	1104.749	1131.978	1137.813
<b>32.5</b>	1028.894	1038.619	1075.574	1108.639	1114.474
<b>35.0</b>	989.995	1003.610	1046.399	1087.244	1095.024
<b>37.5</b>	943.315	960.820	1011.390	1058.069	1067.794
<b>40.0</b>	900.526	919.976	978.325	1028.894	1040.564
<b>42.5</b>	848.011	871.351	937.480	991.940	1007.500
<b>45.0</b>	801.332	824.672	896.636	958.875	974.435
<b>47.5</b>	750.762	781.882	857.736	925.810	943.315
<b>50.0</b>	700.193	733.257	813.002	884.966	900.526
<b>52.5</b>	651.568	686.578	772.157	842.176	863.571
<b>55.0</b>	602.944	637.953	723.533	799.387	820.782
<b>57.5</b>	554.319	593.219	682.688	756.597	777.992
<b>60.0</b>	507.640	546.539	634.063	707.973	731.312
<b>62.5</b>	457.070	495.970	587.384	659.348	676.853
<b>65.0</b>	412.336	449.290	542.649	610.724	622.394
<b>67.5</b>	361.766	398.721	492.080	544.594	550.429
<b>70.0</b>	315.087	357.876	441.510	476.520	470.685
<b>72.5</b>	274.242	317.032	388.996	406.501	396.776
<b>75.0</b>	231.453	274.242	330.647	328.702	320.922
<b>77.5</b>	190.608	235.343	270.352	262.572	250.902
<b>80.0</b>	147.818	186.718	206.168	198.388	194.498
<b>82.5</b>	106.974	141.984	151.708	149.763	149.763
<b>85.0</b>	71.964	95.304	101.139	106.974	112.809
<b>87.5</b>	36.955	48.625	48.625	52.514	54.459
<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	462.56	N.A.	11.80
0-30	994.07	N.A.	25.30
0-40	1646.91	N.A.	42.00
0-60	2979.35	N.A.	75.90
0-80	3820.37	N.A.	97.30
0-90	3925.43	N.A.	100.00
10-90	3807.22	N.A.	97.00
20-40	1184.35	N.A.	30.20
20-50	1873.52	N.A.	47.70
40-70	1852.83	N.A.	47.20
60-80	841.02	N.A.	21.40
70-80	320.62	N.A.	8.20
80-90	105.06	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	3925.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	118.22
10-20	344.34
20-30	531.51
30-40	652.84
40-50	689.17
50-60	643.27
60-70	520.40
70-80	320.62
80-90	105.06
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

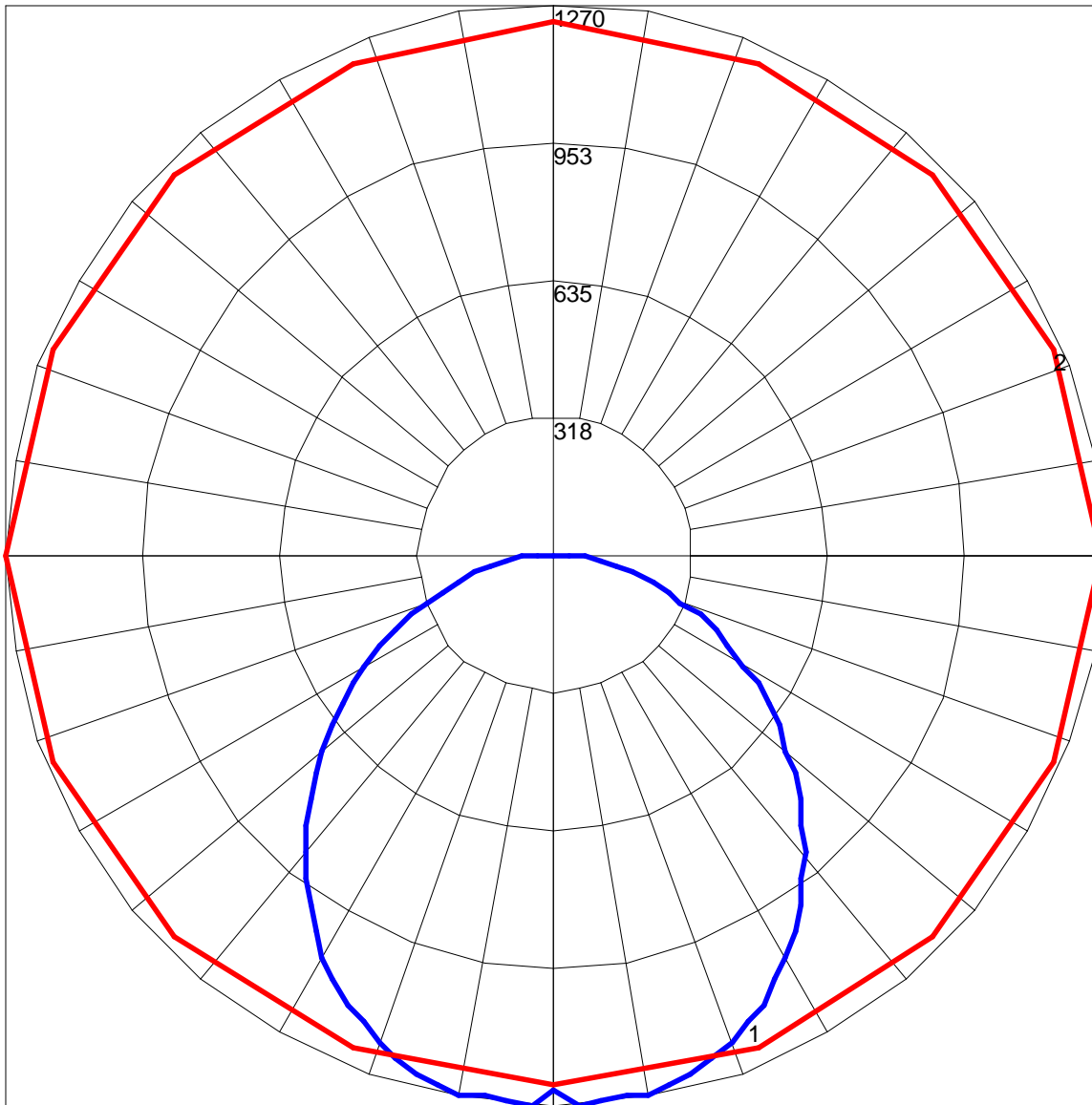
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1270.072 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.)