



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-35L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8847  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/28/17  
[TEST DATE]04/28/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-LED-35L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	28.2
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	2722	3053	3319
55	2517	3037	3431
65	2335	3073	3518
75	2119	3064	2981
85	1974	2807	3116

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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>	1106	1106	1106	1106	1106
<b>2.5</b>	1132	1115	1106	1098	1089
<b>5.0</b>	1133	1116	1108	1100	1091
<b>7.5</b>	1128	1113	1105	1099	1091
<b>10.0</b>	1122	1107	1101	1096	1088
<b>12.5</b>	1113	1098	1094	1091	1085
<b>15.0</b>	1099	1086	1085	1085	1080
<b>17.5</b>	1084	1073	1075	1079	1075
<b>20.0</b>	1063	1056	1062	1068	1066
<b>22.5</b>	1041	1035	1046	1056	1056
<b>25.0</b>	1016	1013	1029	1044	1045
<b>27.5</b>	989	990	1010	1030	1033
<b>30.0</b>	956	961	987	1012	1016
<b>32.5</b>	921	929	961	991	998
<b>35.0</b>	883	895	934	969	975
<b>37.5</b>	844	859	903	944	953
<b>40.0</b>	803	822	872	918	930
<b>42.5</b>	760	780	839	890	902
<b>45.0</b>	716	740	803	860	873
<b>47.5</b>	669	696	765	824	841
<b>50.0</b>	626	655	727	790	807
<b>52.5</b>	580	613	687	753	769
<b>55.0</b>	537	570	648	714	732
<b>57.5</b>	495	530	608	676	693
<b>60.0</b>	453	488	566	635	652
<b>62.5</b>	411	445	524	592	606
<b>65.0</b>	367	401	483	543	553
<b>67.5</b>	326	359	442	489	492
<b>70.0</b>	285	319	396	428	426
<b>72.5</b>	244	282	347	364	353
<b>75.0</b>	204	243	295	294	287
<b>77.5</b>	168	208	241	232	224
<b>80.0</b>	132	169	184	178	175
<b>82.5</b>	97	128	134	134	136
<b>85.0</b>	64	85	91	97	101
<b>87.5</b>	34	43	46	49	50
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	412.67	N.A.	11.80
0-30	887.29	N.A.	25.30
0-40	1470.25	N.A.	41.90
0-60	2660.67	N.A.	75.90
0-80	3412.37	N.A.	97.30
0-90	3506.95	N.A.	100.00
10-90	3401.35	N.A.	97.00
20-40	1057.58	N.A.	30.20
20-50	1673.68	N.A.	47.70
40-70	1656.12	N.A.	47.20
60-80	751.70	N.A.	21.40
70-80	286.00	N.A.	8.20
80-90	94.58	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	3506.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	105.61
10-20	307.07
20-30	474.62
30-40	582.96
40-50	616.10
50-60	574.32
60-70	465.70
70-80	286.00
80-90	94.58
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

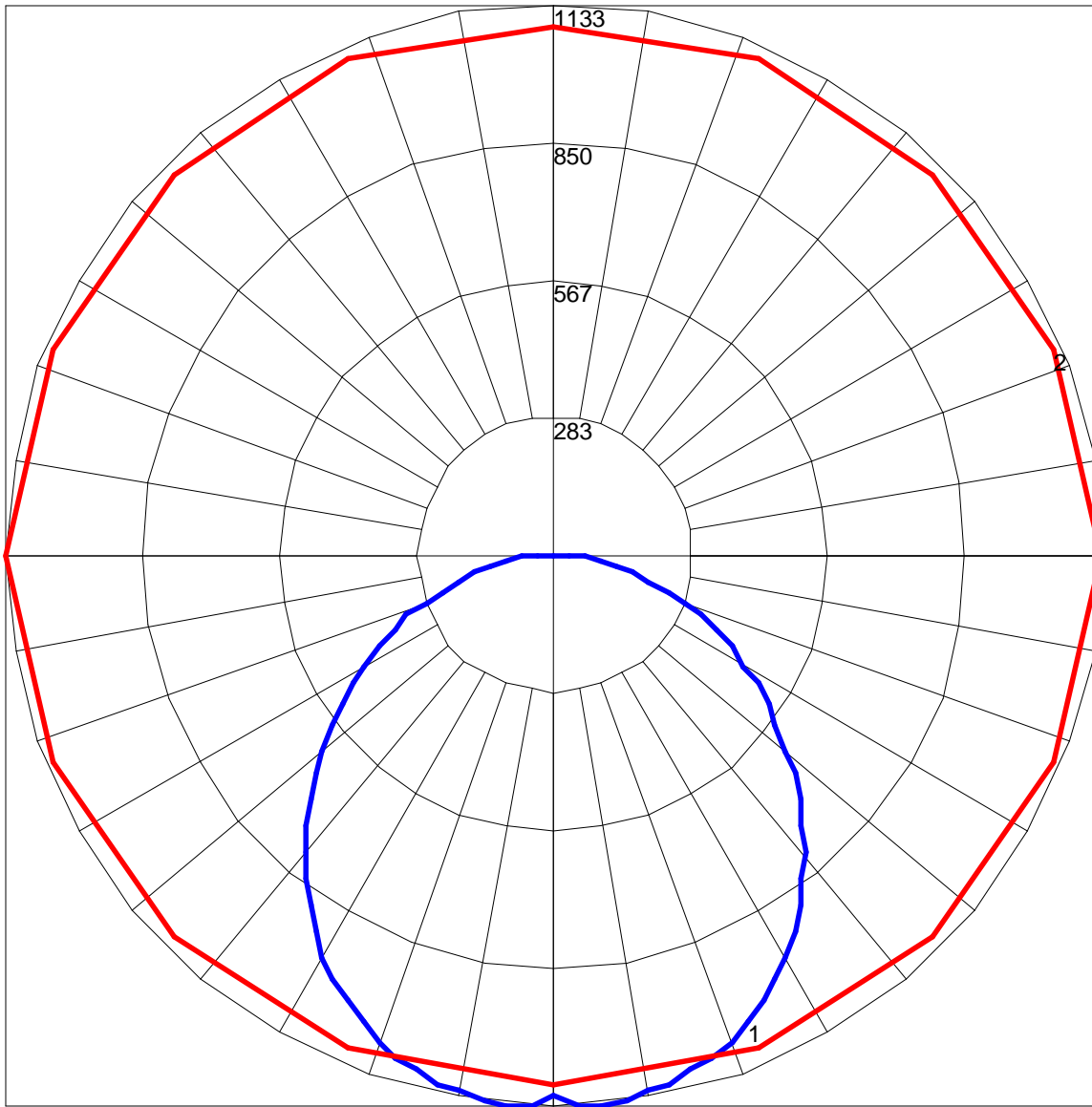
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	51	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	33	31
8	59	45	37	31	58	45	36	30	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 = 1133 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)