



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC14-LED-40L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-8961  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUE DATE] 05/26/17  
[TEST DATE] 05/26/17  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] LPEC14-LED-40L-40  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4028
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	32.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.50
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	2992	3532	3966
55	2817	3604	4265
65	2634	3658	4517
75	2337	3636	4456
85	2128	3177	2776

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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	1177	1177	1177	1177	1177
2.5	1200	1187	1178	1170	1164
5.0	1200	1187	1178	1172	1166
7.5	1197	1184	1177	1171	1167
10.0	1191	1180	1176	1173	1169
12.5	1181	1172	1172	1172	1171
15.0	1169	1162	1166	1172	1171
17.5	1154	1148	1158	1170	1171
20.0	1133	1132	1149	1166	1170
22.5	1112	1115	1139	1163	1168
25.0	1086	1093	1126	1157	1164
27.5	1057	1068	1110	1147	1158
30.0	1024	1042	1092	1138	1150
32.5	990	1012	1072	1125	1140
35.0	953	980	1049	1109	1127
37.5	914	945	1022	1091	1110
40.0	874	909	994	1069	1091
42.5	831	870	962	1045	1068
45.0	787	830	929	1017	1043
47.5	743	787	893	987	1015
50.0	694	742	853	953	983
52.5	651	696	813	917	949
55.0	601	648	769	877	910
57.5	555	601	722	833	865
60.0	508	553	675	786	818
62.5	462	505	626	735	765
65.0	414	456	575	680	710
67.5	365	405	521	622	649
70.0	317	352	464	560	581
72.5	272	304	408	491	507
75.0	225	257	350	419	429
77.5	182	210	291	340	338
80.0	142	165	232	258	251
82.5	104	123	168	173	164
85.0	69	82	103	97	90
87.5	35	41	42	34	31
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	442.61	N.A.	11.00
0-30	961.62	N.A.	23.90
0-40	1615.22	N.A.	40.10
0-60	3007.96	N.A.	74.70
0-80	3923.68	N.A.	97.40
0-90	4028.09	N.A.	100.00
10-90	3915.58	N.A.	97.20
20-40	1172.62	N.A.	29.10
20-50	1884.29	N.A.	46.80
40-70	1953.37	N.A.	48.50
60-80	915.73	N.A.	22.70
70-80	355.09	N.A.	8.80
80-90	104.40	N.A.	2.60
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	4028.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	112.51
10-20	330.10
20-30	519.01
30-40	653.61
40-50	711.68
50-60	681.06
60-70	560.63
70-80	355.09
80-90	104.40
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

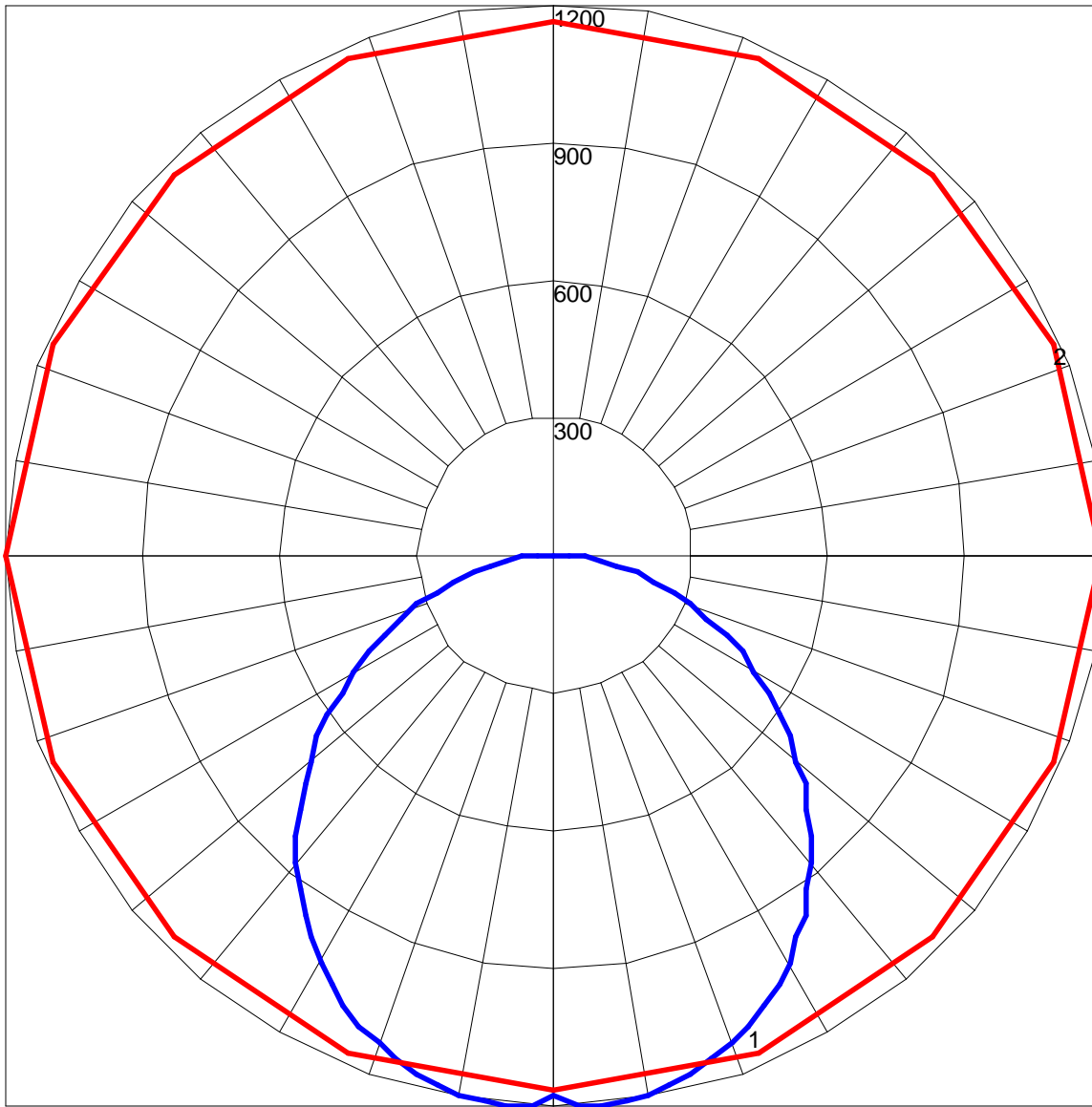
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	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 = 1200 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.)