



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-40L-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-8909  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/16/17  
[TEST DATE]05/16/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPEC24-LED-40L-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	4014
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	32.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1427	1719	1954
55	1343	1781	2167
65	1247	1851	2433
75	1097	1994	2934
85	982	2369	3195

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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>	1119	1119	1119	1119	1119
<b>2.5</b>	1143	1129	1120	1111	1104
<b>5.0</b>	1142	1129	1120	1112	1105
<b>7.5</b>	1139	1126	1121	1113	1108
<b>10.0</b>	1133	1122	1118	1114	1109
<b>12.5</b>	1123	1115	1115	1115	1112
<b>15.0</b>	1112	1105	1109	1115	1114
<b>17.5</b>	1096	1092	1103	1114	1114
<b>20.0</b>	1078	1077	1095	1112	1115
<b>22.5</b>	1056	1060	1085	1109	1114
<b>25.0</b>	1031	1039	1073	1104	1111
<b>27.5</b>	1003	1016	1059	1098	1108
<b>30.0</b>	973	991	1043	1089	1102
<b>32.5</b>	939	963	1024	1079	1093
<b>35.0</b>	905	932	1003	1066	1084
<b>37.5</b>	867	899	979	1051	1071
<b>40.0</b>	828	865	953	1033	1055
<b>42.5</b>	788	827	926	1014	1038
<b>45.0</b>	743	788	895	990	1017
<b>47.5</b>	701	747	861	966	996
<b>50.0</b>	658	706	827	939	972
<b>52.5</b>	611	661	791	908	945
<b>55.0</b>	567	618	752	875	915
<b>57.5</b>	523	573	711	840	878
<b>60.0</b>	478	529	668	800	841
<b>62.5</b>	433	481	622	758	801
<b>65.0</b>	388	435	576	715	757
<b>67.5</b>	340	387	528	670	713
<b>70.0</b>	297	339	479	622	666
<b>72.5</b>	251	292	430	573	616
<b>75.0</b>	209	248	380	515	559
<b>77.5</b>	169	205	331	454	489
<b>80.0</b>	131	164	274	385	419
<b>82.5</b>	96	125	217	308	329
<b>85.0</b>	63	85	152	205	205
<b>87.5</b>	32	44	72	67	56
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	421.01	N.A.	10.50
0-30	915.67	N.A.	22.80
0-40	1540.86	N.A.	38.40
0-60	2893.66	N.A.	72.10
0-80	3863.32	N.A.	96.20
0-90	4013.96	N.A.	100.00
10-90	3907.01	N.A.	97.30
20-40	1119.85	N.A.	27.90
20-50	1805.6	N.A.	45.00
40-70	1920.97	N.A.	47.90
60-80	969.66	N.A.	24.20
70-80	401.49	N.A.	10.00
80-90	150.63	N.A.	3.80
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	4013.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	106.95
10-20	314.06
20-30	494.66
30-40	625.19
40-50	685.75
50-60	667.05
60-70	568.17
70-80	401.49
80-90	150.63
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

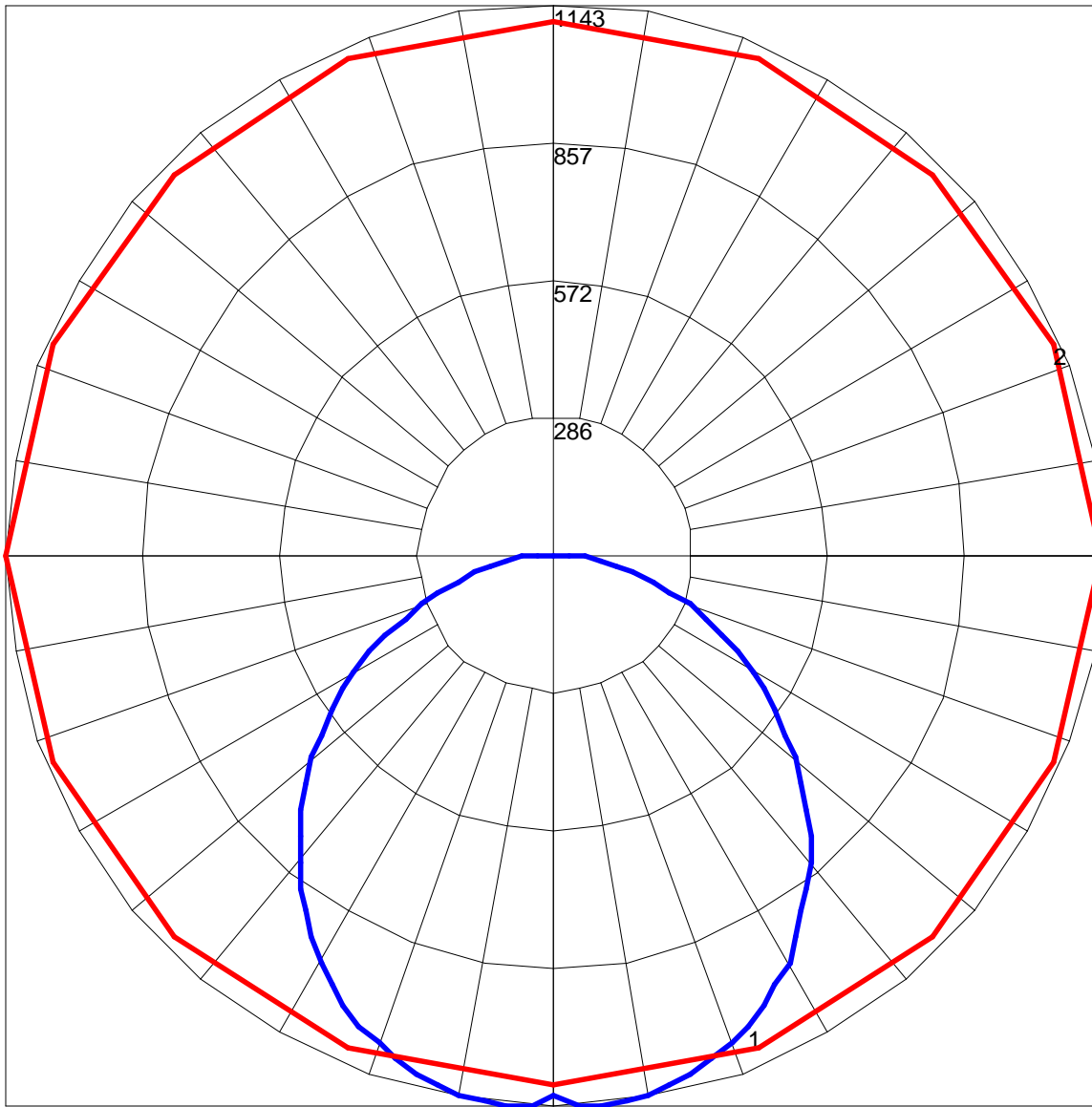
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	97	87	80	73	94	85	78	73	82	76	71	78	73	69	75	71	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1143 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.)