



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-40L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8925
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/19/17
[TEST DATE]05/19/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-40L-50
[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	4320
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	32.4
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	1537	1850	2105
55	1452	1914	2328
65	1334	1996	2626
75	1197	2162	3154
85	1060	2587	3522

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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	1202	1202	1202	1202	1202
2.5	1227	1213	1203	1193	1185
5.0	1227	1212	1203	1194	1186
7.5	1223	1209	1203	1195	1188
10.0	1216	1204	1201	1197	1191
12.5	1207	1197	1198	1198	1194
15.0	1193	1186	1192	1198	1196
17.5	1177	1173	1186	1197	1197
20.0	1157	1157	1176	1194	1197
22.5	1136	1140	1166	1192	1197
25.0	1109	1117	1153	1186	1193
27.5	1080	1092	1139	1180	1190
30.0	1044	1064	1120	1170	1183
32.5	1010	1034	1101	1159	1175
35.0	973	1001	1078	1146	1165
37.5	930	965	1053	1130	1151
40.0	888	928	1024	1111	1135
42.5	845	888	994	1089	1116
45.0	800	847	963	1065	1096
47.5	754	805	927	1039	1071
50.0	707	760	890	1009	1044
52.5	660	713	850	977	1015
55.0	613	664	808	941	983
57.5	562	616	765	903	947
60.0	511	566	717	863	908
62.5	464	517	670	818	866
65.0	415	467	621	770	817
67.5	368	417	570	721	767
70.0	321	368	518	670	717
72.5	274	318	465	616	663
75.0	228	268	412	558	601
77.5	181	221	357	493	533
80.0	140	177	296	421	456
82.5	103	135	234	334	357
85.0	68	93	166	221	226
87.5	36	52	79	72	62
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	452.18	N.A.	10.50
0-30	983.76	N.A.	22.80
0-40	1655.52	N.A.	38.30
0-60	3110.35	N.A.	72.00
0-80	4156.67	N.A.	96.20
0-90	4320.46	N.A.	100.00
10-90	4205.63	N.A.	97.30
20-40	1203.34	N.A.	27.90
20-50	1940.67	N.A.	44.90
40-70	2066.83	N.A.	47.80
60-80	1046.31	N.A.	24.20
70-80	434.31	N.A.	10.10
80-90	163.80	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	4320.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.83
10-20	337.35
20-30	531.59
30-40	671.75
40-50	737.33
50-60	717.51
60-70	612.00
70-80	434.31
80-90	163.80
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

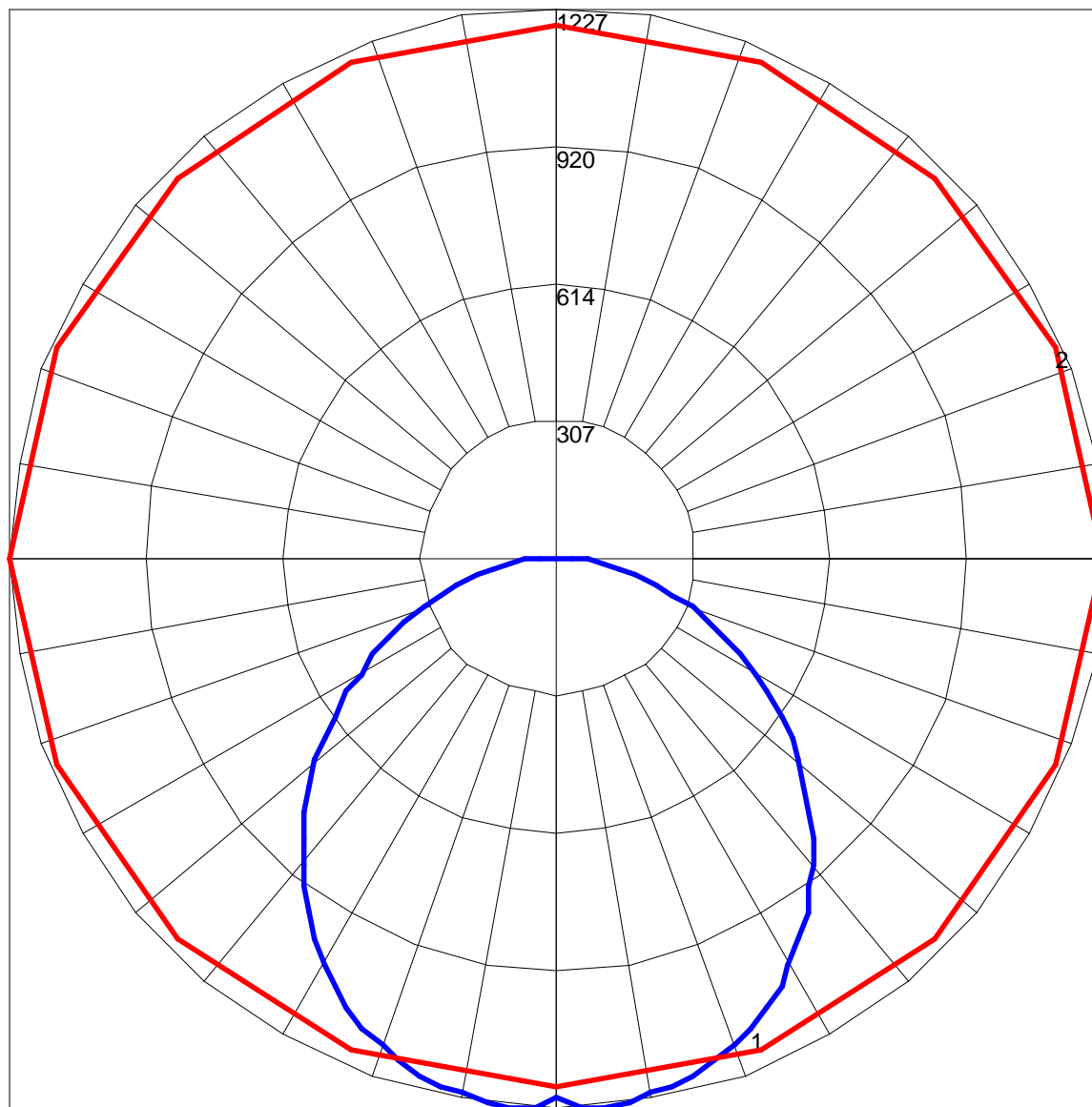
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	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	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	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 = 1227 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.)