



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-20L-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9025R Report: LSI-PH0400

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]06/16/17

[TEST DATE]06/16/17

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]LPEC14-LED-20L-50

[\_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	2166
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	17.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.52
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	1593	1893	2129
55	1509	1936	2292
65	1412	1966	2443
75	1267	1963	2524
85	1172	1943	1758

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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>	621	621	621	621	621
<b>2.5</b>	634	626	622	617	613
<b>5.0</b>	633	627	622	619	614
<b>7.5</b>	631	625	622	619	616
<b>10.0</b>	629	623	621	620	617
<b>12.5</b>	624	618	620	621	619
<b>15.0</b>	617	613	617	621	620
<b>17.5</b>	610	608	614	621	621
<b>20.0</b>	598	599	610	620	622
<b>22.5</b>	587	590	605	619	621
<b>25.0</b>	574	579	599	616	621
<b>27.5</b>	560	567	592	612	619
<b>30.0</b>	542	553	582	608	615
<b>32.5</b>	525	538	572	601	610
<b>35.0</b>	506	521	560	594	603
<b>37.5</b>	486	504	547	584	595
<b>40.0</b>	463	484	532	573	584
<b>42.5</b>	441	463	515	560	573
<b>45.0</b>	419	443	498	547	560
<b>47.5</b>	395	420	479	531	546
<b>50.0</b>	372	397	459	513	529
<b>52.5</b>	347	372	436	494	510
<b>55.0</b>	322	347	413	472	489
<b>57.5</b>	297	322	389	449	465
<b>60.0</b>	272	297	363	423	441
<b>62.5</b>	248	271	337	396	413
<b>65.0</b>	222	245	309	367	384
<b>67.5</b>	197	218	280	337	353
<b>70.0</b>	171	190	251	305	319
<b>72.5</b>	147	164	220	271	283
<b>75.0</b>	122	138	189	234	243
<b>77.5</b>	99	114	159	194	198
<b>80.0</b>	77	90	129	152	152
<b>82.5</b>	57	67	96	107	103
<b>85.0</b>	38	46	63	62	57
<b>87.5</b>	20	25	29	24	22
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	234.12	N.A.	10.80
0-30	510.01	N.A.	23.60
0-40	858.83	N.A.	39.70
0-60	1605.73	N.A.	74.10
0-80	2103.7	N.A.	97.10
0-90	2165.61	N.A.	100.00
10-90	2106.21	N.A.	97.30
20-40	624.71	N.A.	28.80
20-50	1005.79	N.A.	46.40
40-70	1049.17	N.A.	48.40
60-80	497.98	N.A.	23.00
70-80	195.70	N.A.	9.00
80-90	61.91	N.A.	2.90
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	2165.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	59.40
10-20	174.72
20-30	275.89
30-40	348.82
40-50	381.08
50-60	365.82
60-70	302.27
70-80	195.70
80-90	61.91
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

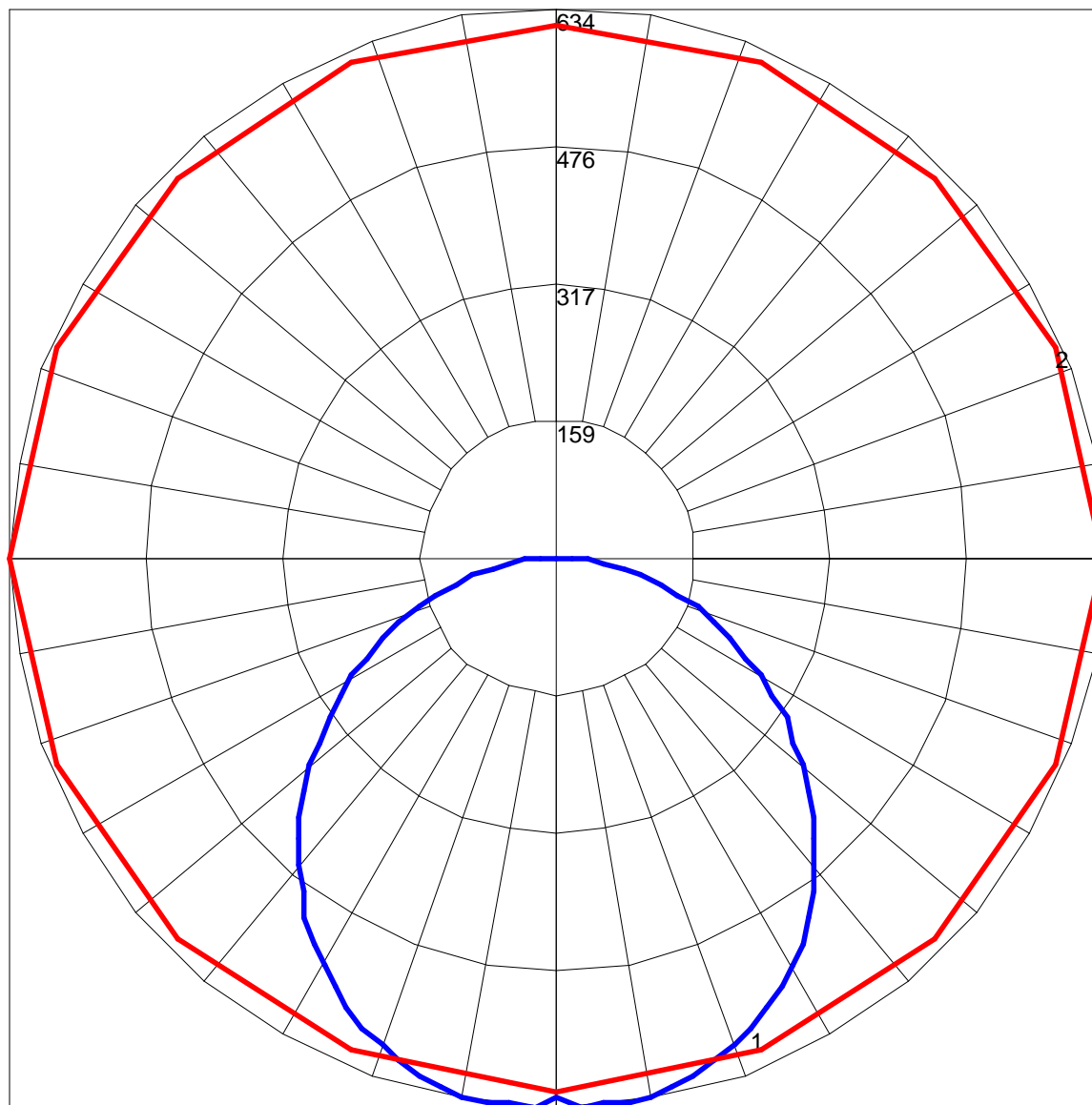
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	94	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27
9	54	40	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	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 634 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.)