



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-90L-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8787\_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 05/07/19

[TESTDATE] 04/18/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC24-LED-90L-50

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9252
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
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	3419	3921	4326
55	3157	3931	4545
65	2918	4056	4927
75	2656	4634	6041
85	2369	6094	6094

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	2784	2784	2784	2784	2784
<b>2.5</b>	2856	2813	2788	2765	2743
<b>5.0</b>	2849	2809	2786	2765	2745
<b>7.5</b>	2840	2804	2784	2765	2747
<b>10.0</b>	2824	2788	2774	2761	2747
<b>12.5</b>	2799	2768	2761	2756	2743
<b>15.0</b>	2763	2736	2740	2745	2736
<b>17.5</b>	2722	2700	2715	2729	2722
<b>20.0</b>	2672	2659	2684	2709	2706
<b>22.5</b>	2616	2609	2647	2684	2688
<b>25.0</b>	2550	2554	2602	2654	2663
<b>27.5</b>	2477	2491	2557	2618	2631
<b>30.0</b>	2391	2416	2497	2575	2595
<b>32.5</b>	2307	2339	2436	2529	2550
<b>35.0</b>	2209	2252	2368	2475	2502
<b>37.5</b>	2109	2159	2293	2413	2450
<b>40.0</b>	2007	2064	2214	2352	2388
<b>42.5</b>	1891	1962	2130	2282	2325
<b>45.0</b>	1780	1855	2041	2205	2252
<b>47.5</b>	1664	1751	1950	2127	2175
<b>50.0</b>	1553	1644	1853	2043	2096
<b>52.5</b>	1439	1535	1755	1948	2005
<b>55.0</b>	1333	1430	1660	1857	1919
<b>57.5</b>	1224	1324	1558	1764	1821
<b>60.0</b>	1115	1217	1460	1664	1723
<b>62.5</b>	1010	1113	1360	1569	1626
<b>65.0</b>	908	1006	1262	1474	1533
<b>67.5</b>	801	904	1162	1376	1430
<b>70.0</b>	695	804	1063	1274	1330
<b>72.5</b>	602	713	972	1185	1237
<b>75.0</b>	506	624	883	1088	1151
<b>77.5</b>	413	538	795	1004	1060
<b>80.0</b>	327	456	708	860	870
<b>82.5</b>	241	372	581	656	645
<b>85.0</b>	152	279	391	397	391
<b>87.5</b>	75	152	177	200	213
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1040.87	N.A.	11.30
0-30	2241.46	N.A.	24.20
0-40	3719.34	N.A.	40.20
0-60	6755.04	N.A.	73.00
0-80	8885.86	N.A.	96.00
0-90	9251.5	N.A.	100.00
10-90	8985.59	N.A.	97.10
20-40	2678.48	N.A.	29.00
20-50	4244.92	N.A.	45.90
40-70	4263.8	N.A.	46.10
60-80	2130.82	N.A.	23.00
70-80	902.71	N.A.	9.80
80-90	365.64	N.A.	4.00
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	9251.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	265.91
10-20	774.95
20-30	1200.59
30-40	1477.88
40-50	1566.44
50-60	1469.26
60-70	1228.11
70-80	902.71
80-90	365.64
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

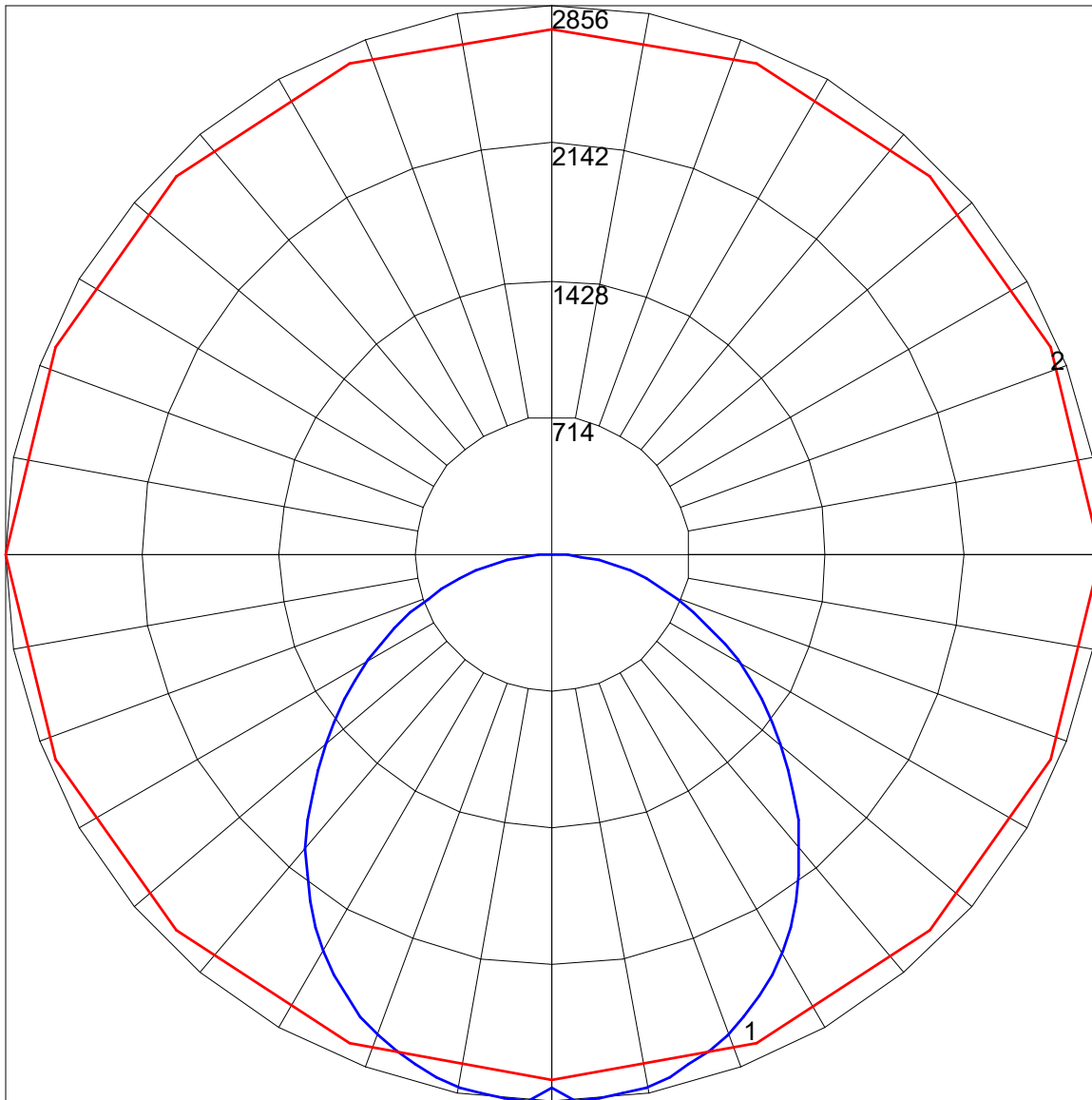
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	93	104	100	95	91	95	92	88	91	88	85	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	51	63	56	50	61	54	49	59	53	48	46
5	74	60	50	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	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	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 = 2856 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.)