



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-80L-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808\_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 05/07/19

[TEST DATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-80L-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	8310
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	69
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 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	5894	7004	8083
55	5476	7093	8788
65	5086	7483	9887
75	4635	8560	12856
85	3748	9765	11529

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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>	2444	2444	2444	2444	2444
<b>2.5</b>	2499	2479	2448	2416	2404
<b>5.0</b>	2495	2475	2448	2420	2408
<b>7.5</b>	2487	2467	2444	2424	2412
<b>10.0</b>	2467	2455	2440	2424	2420
<b>12.5</b>	2444	2432	2428	2424	2420
<b>15.0</b>	2408	2404	2412	2420	2424
<b>17.5</b>	2368	2368	2392	2412	2424
<b>20.0</b>	2320	2328	2368	2404	2416
<b>22.5</b>	2261	2281	2336	2388	2404
<b>25.0</b>	2201	2229	2301	2368	2392
<b>27.5</b>	2134	2165	2257	2340	2372
<b>30.0</b>	2054	2098	2209	2312	2348
<b>32.5</b>	1971	2026	2153	2269	2316
<b>35.0</b>	1883	1947	2086	2225	2281
<b>37.5</b>	1796	1867	2022	2177	2237
<b>40.0</b>	1701	1780	1951	2122	2189
<b>42.5</b>	1609	1697	1879	2066	2138
<b>45.0</b>	1518	1609	1804	2006	2082
<b>47.5</b>	1422	1518	1724	1939	2026
<b>50.0</b>	1327	1426	1645	1875	1967
<b>52.5</b>	1232	1331	1565	1808	1903
<b>55.0</b>	1144	1240	1482	1740	1836
<b>57.5</b>	1045	1148	1399	1665	1764
<b>60.0</b>	958	1061	1315	1585	1693
<b>62.5</b>	866	969	1232	1506	1609
<b>65.0</b>	783	882	1152	1418	1522
<b>67.5</b>	695	799	1065	1335	1442
<b>70.0</b>	608	711	977	1252	1383
<b>72.5</b>	520	624	890	1180	1327
<b>75.0</b>	437	540	807	1085	1212
<b>77.5</b>	350	461	727	993	1116
<b>80.0</b>	270	377	628	822	858
<b>82.5</b>	195	294	489	584	608
<b>85.0</b>	119	195	310	350	366
<b>87.5</b>	56	79	135	175	203
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	915.40	N.A.	11.00
0-30	1974.65	N.A.	23.80
0-40	3279.87	N.A.	39.50
0-60	6002.96	N.A.	72.20
0-80	7998.93	N.A.	96.30
0-90	8310.45	N.A.	100.00
10-90	8076.99	N.A.	97.20
20-40	2364.47	N.A.	28.50
20-50	3756.97	N.A.	45.20
40-70	3864.17	N.A.	46.50
60-80	1995.98	N.A.	24.00
70-80	854.90	N.A.	10.30
80-90	311.52	N.A.	3.70
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	8310.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	233.47
10-20	681.94
20-30	1059.25
30-40	1305.22
40-50	1392.5
50-60	1330.59
60-70	1141.08
70-80	854.90
80-90	311.52
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

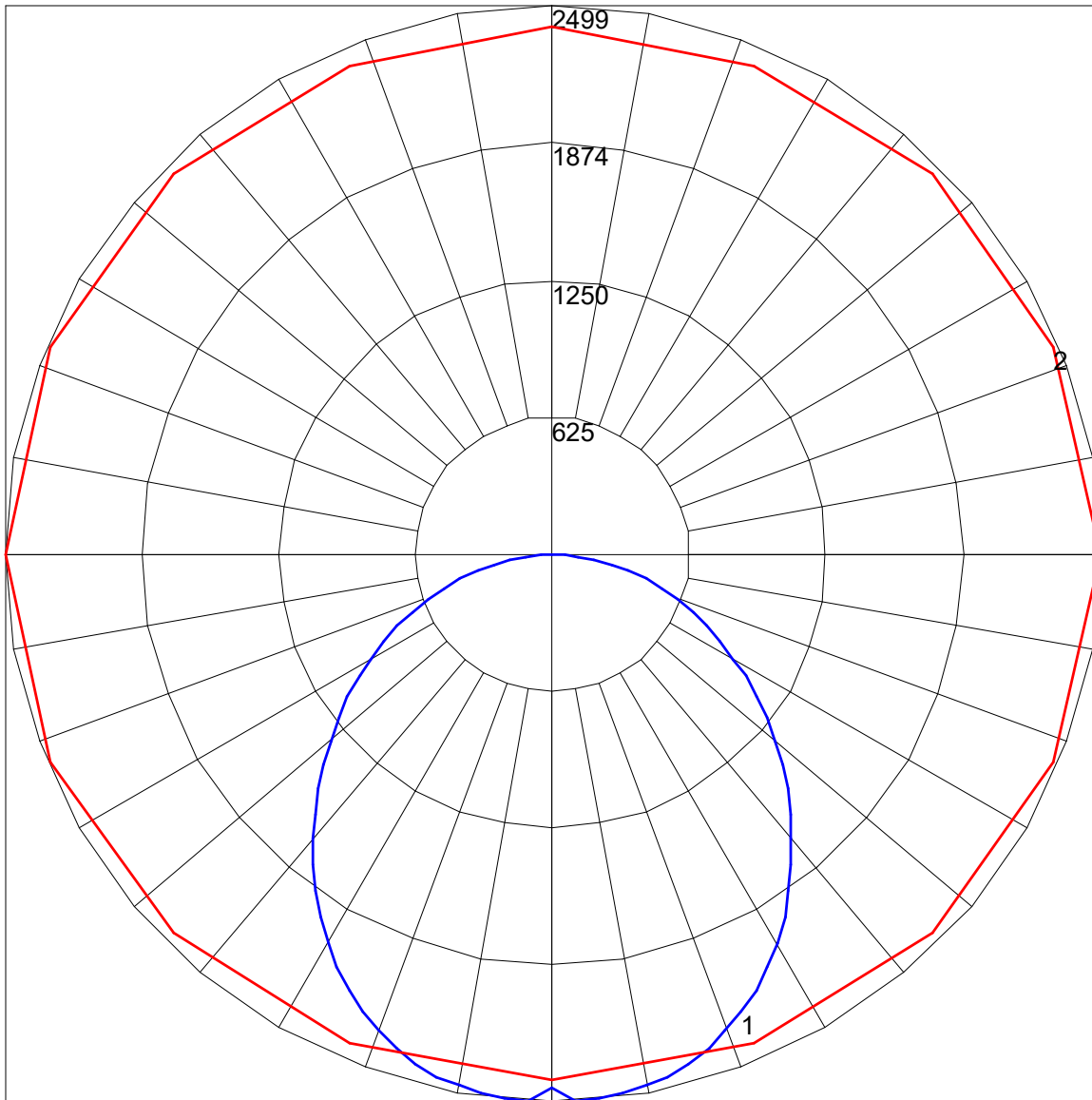
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	65
3	88	76	67	60	85	74	66	60	71	64	59	69	63	57	66	61	56	54
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2499 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.)