



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-80L-40.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-40

[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	8019
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
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	5684	6756	7800
55	5284	6845	8477
65	4905	7224	9536
75	4476	8252	12400
85	3622	9418	11119

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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>	2358	2358	2358	2358	2358
<b>2.5</b>	2411	2392	2362	2331	2319
<b>5.0</b>	2408	2388	2362	2335	2323
<b>7.5</b>	2400	2381	2358	2339	2327
<b>10.0</b>	2381	2369	2354	2339	2335
<b>12.5</b>	2358	2346	2342	2339	2335
<b>15.0</b>	2323	2319	2327	2335	2339
<b>17.5</b>	2285	2285	2308	2327	2339
<b>20.0</b>	2239	2247	2285	2319	2331
<b>22.5</b>	2181	2201	2254	2304	2319
<b>25.0</b>	2124	2151	2220	2285	2308
<b>27.5</b>	2059	2089	2178	2258	2289
<b>30.0</b>	1982	2024	2132	2231	2266
<b>32.5</b>	1901	1955	2078	2189	2235
<b>35.0</b>	1817	1878	2013	2147	2201
<b>37.5</b>	1733	1802	1951	2101	2158
<b>40.0</b>	1641	1717	1882	2047	2112
<b>42.5</b>	1553	1637	1813	1993	2063
<b>45.0</b>	1464	1553	1740	1936	2009
<b>47.5</b>	1372	1464	1664	1871	1955
<b>50.0</b>	1280	1376	1587	1809	1898
<b>52.5</b>	1188	1284	1510	1744	1836
<b>55.0</b>	1104	1196	1430	1679	1771
<b>57.5</b>	1008	1108	1349	1606	1702
<b>60.0</b>	924	1024	1269	1530	1633
<b>62.5</b>	836	935	1188	1453	1553
<b>65.0</b>	755	851	1112	1369	1468
<b>67.5</b>	671	771	1027	1288	1392
<b>70.0</b>	587	686	943	1208	1334
<b>72.5</b>	502	602	859	1139	1280
<b>75.0</b>	422	521	778	1047	1169
<b>77.5</b>	337	445	702	958	1077
<b>80.0</b>	261	364	606	794	828
<b>82.5</b>	188	284	472	564	587
<b>85.0</b>	115	188	299	337	353
<b>87.5</b>	54	77	130	169	196
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	883.23	N.A.	11.00
0-30	1905.31	N.A.	23.80
0-40	3164.71	N.A.	39.50
0-60	5791.93	N.A.	72.20
0-80	7717.92	N.A.	96.30
0-90	8018.61	N.A.	100.00
10-90	7793.34	N.A.	97.20
20-40	2281.48	N.A.	28.50
20-50	3625.00	N.A.	45.20
40-70	3728.27	N.A.	46.50
60-80	1925.99	N.A.	24.00
70-80	824.95	N.A.	10.30
80-90	300.69	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	8018.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	225.27
10-20	657.96
20-30	1022.08
30-40	1259.4
40-50	1343.52
50-60	1283.7
60-70	1101.05
70-80	824.95
80-90	300.69
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

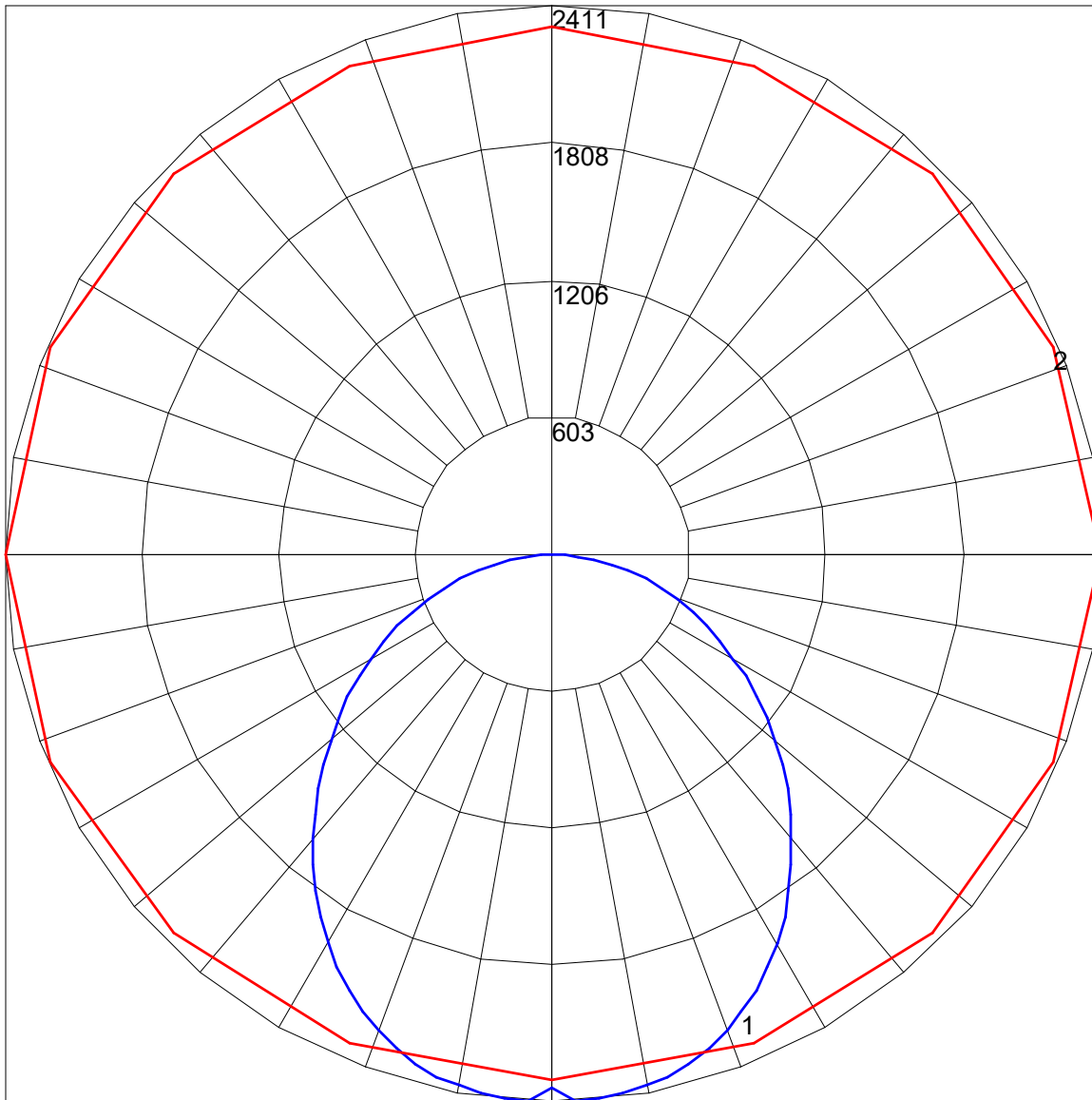
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	87	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 = 2411 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.)