



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-75L-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-75L-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	7503
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	63
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	5319	6325	7299
55	4944	6404	7931
65	4593	6756	8926
75	4190	7722	11604
85	3402	8820	10395

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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>	2206	2206	2206	2206	2206
<b>2.5</b>	2257	2239	2210	2181	2170
<b>5.0</b>	2253	2235	2210	2185	2174
<b>7.5</b>	2246	2228	2206	2188	2178
<b>10.0</b>	2228	2217	2203	2188	2185
<b>12.5</b>	2206	2196	2192	2188	2185
<b>15.0</b>	2174	2170	2178	2185	2188
<b>17.5</b>	2138	2138	2160	2178	2188
<b>20.0</b>	2095	2102	2138	2170	2181
<b>22.5</b>	2041	2059	2109	2156	2170
<b>25.0</b>	1987	2013	2077	2138	2160
<b>27.5</b>	1926	1955	2038	2113	2142
<b>30.0</b>	1855	1894	1995	2088	2120
<b>32.5</b>	1779	1830	1944	2048	2091
<b>35.0</b>	1700	1758	1883	2009	2059
<b>37.5</b>	1622	1686	1826	1966	2020
<b>40.0</b>	1535	1607	1761	1916	1977
<b>42.5</b>	1453	1532	1697	1865	1930
<b>45.0</b>	1370	1453	1629	1812	1880
<b>47.5</b>	1284	1370	1557	1751	1830
<b>50.0</b>	1198	1288	1485	1693	1776
<b>52.5</b>	1112	1202	1413	1632	1718
<b>55.0</b>	1033	1119	1338	1571	1657
<b>57.5</b>	944	1037	1263	1503	1593
<b>60.0</b>	865	958	1187	1431	1528
<b>62.5</b>	782	875	1112	1360	1453
<b>65.0</b>	707	796	1040	1281	1374
<b>67.5</b>	628	721	961	1205	1302
<b>70.0</b>	549	642	883	1130	1248
<b>72.5</b>	470	563	804	1065	1198
<b>75.0</b>	395	488	728	979	1094
<b>77.5</b>	316	416	657	897	1008
<b>80.0</b>	244	341	567	743	775
<b>82.5</b>	176	265	441	527	549
<b>85.0</b>	108	176	280	316	330
<b>87.5</b>	50	72	122	158	183
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	826.47	N.A.	11.00
0-30	1782.84	N.A.	23.80
0-40	2961.35	N.A.	39.50
0-60	5419.98	N.A.	72.20
0-80	7222.13	N.A.	96.30
0-90	7503.4	N.A.	100.00
10-90	7292.61	N.A.	97.20
20-40	2134.87	N.A.	28.50
20-50	3392.2	N.A.	45.20
40-70	3488.84	N.A.	46.50
60-80	1802.15	N.A.	24.00
70-80	771.94	N.A.	10.30
80-90	281.27	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	7503.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	210.79
10-20	615.68
20-30	956.37
30-40	1178.5
40-50	1257.33
50-60	1201.31
60-70	1030.21
70-80	771.94
80-90	281.27
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

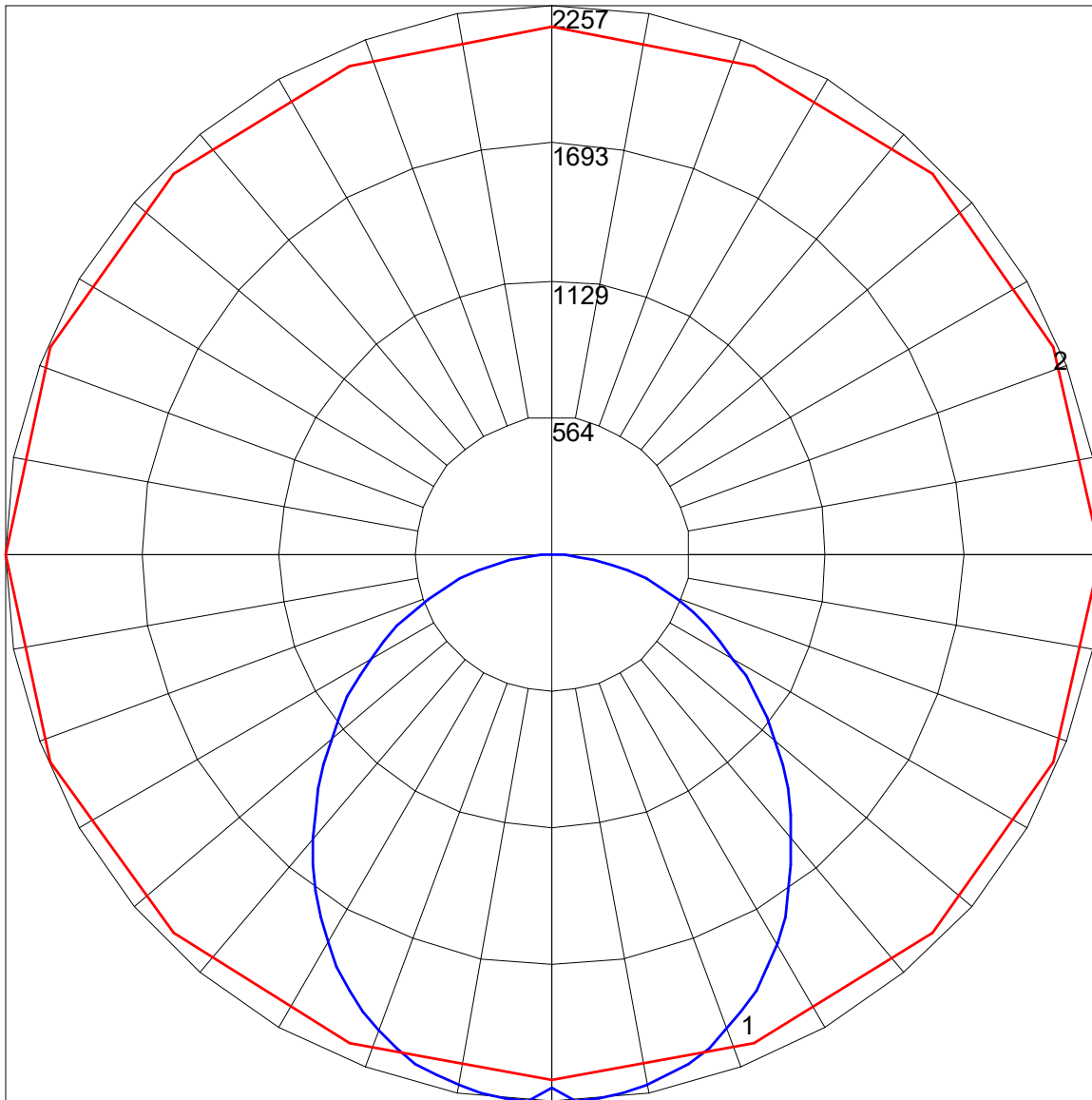
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2257 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.)