



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-75L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 05/07/19

[TESTDATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-75L-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	7777
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	5513	6554	7563
55	5126	6639	8223
65	4755	7003	9250
75	4338	8008	12029
85	3528	9135	10773

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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>
0.0	2287	2287	2287	2287	2287
2.5	2339	2320	2290	2261	2249
5.0	2335	2316	2290	2264	2253
7.5	2327	2309	2287	2268	2257
10.0	2309	2298	2283	2268	2264
12.5	2287	2275	2272	2268	2264
15.0	2253	2249	2257	2264	2268
17.5	2216	2216	2238	2257	2268
20.0	2171	2179	2216	2249	2261
22.5	2116	2134	2186	2235	2249
25.0	2060	2086	2153	2216	2238
27.5	1997	2026	2112	2190	2220
30.0	1922	1963	2067	2164	2197
32.5	1844	1896	2015	2123	2168
35.0	1762	1822	1952	2082	2134
37.5	1681	1747	1892	2037	2093
40.0	1591	1666	1826	1985	2049
42.5	1506	1588	1759	1933	2000
45.0	1420	1506	1688	1878	1948
47.5	1331	1420	1614	1814	1896
50.0	1242	1335	1539	1755	1840
52.5	1153	1246	1465	1692	1781
55.0	1071	1160	1387	1628	1718
57.5	978	1074	1309	1558	1651
60.0	896	993	1231	1483	1584
62.5	811	907	1153	1409	1506
65.0	732	825	1078	1327	1424
67.5	651	747	996	1249	1350
70.0	569	666	915	1171	1294
72.5	487	584	833	1104	1242
75.0	409	506	755	1015	1134
77.5	327	431	680	929	1045
80.0	253	353	587	770	803
82.5	182	275	457	547	569
85.0	112	182	290	327	342
87.5	52	74	126	164	190
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	856.54	N.A.	11.00
0-30	1847.76	N.A.	23.80
0-40	3069.13	N.A.	39.50
0-60	5617.43	N.A.	72.20
0-80	7485.18	N.A.	96.30
0-90	7776.6	N.A.	100.00
10-90	7558.14	N.A.	97.20
20-40	2212.59	N.A.	28.50
20-50	3515.7	N.A.	45.20
40-70	3616.04	N.A.	46.50
60-80	1867.76	N.A.	24.00
70-80	800.01	N.A.	10.30
80-90	291.42	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	7776.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.46
10-20	638.08
20-30	991.23
30-40	1221.37
40-50	1303.11
50-60	1245.19
60-70	1067.75
70-80	800.01
80-90	291.42
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

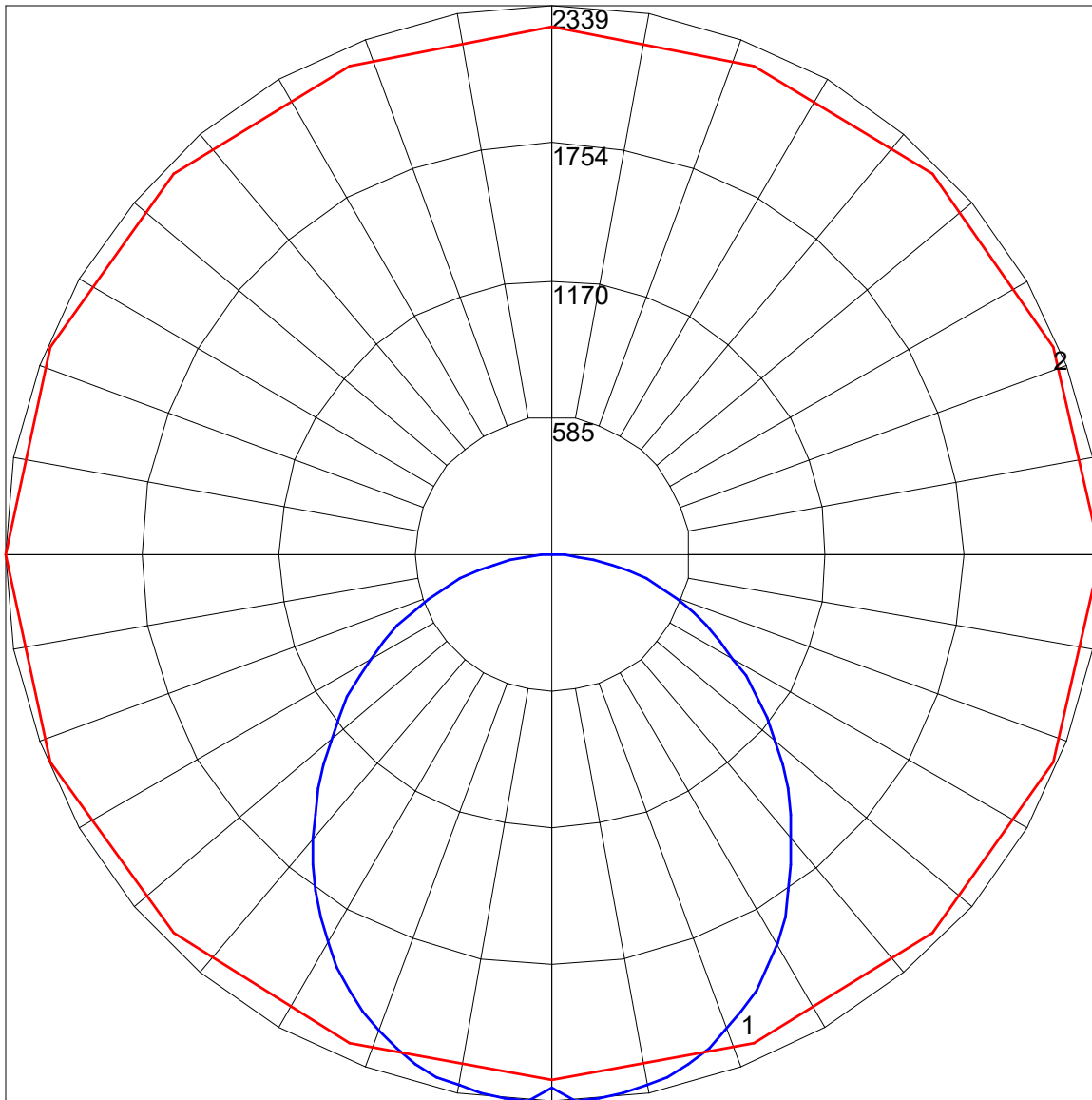
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2339 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.)