



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-72L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8797
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/19/17
[TEST DATE]04/19/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-72L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7299
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	59.6
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	2701	3102	3410
55	2489	3105	3586
65	2282	3201	3876
75	2068	3653	4745
85	1855	4707	5019

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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	2203	2203	2203	2203	2203
2.5	2254	2223	2205	2185	2169
5.0	2253	2222	2205	2186	2171
7.5	2245	2216	2202	2186	2171
10.0	2232	2204	2194	2183	2171
12.5	2212	2187	2183	2177	2167
15.0	2185	2165	2167	2169	2161
17.5	2154	2137	2147	2157	2153
20.0	2115	2103	2123	2141	2140
22.5	2069	2065	2094	2122	2124
25.0	2017	2019	2061	2098	2105
27.5	1959	1968	2021	2070	2080
30.0	1893	1910	1977	2038	2052
32.5	1816	1843	1927	2001	2018
35.0	1741	1775	1872	1960	1980
37.5	1661	1703	1812	1912	1937
40.0	1578	1627	1750	1859	1887
42.5	1494	1549	1684	1803	1834
45.0	1406	1467	1615	1743	1775
47.5	1318	1385	1541	1679	1713
50.0	1231	1301	1466	1611	1651
52.5	1143	1211	1389	1542	1584
55.0	1051	1126	1311	1470	1514
57.5	961	1039	1229	1396	1441
60.0	876	956	1151	1319	1365
62.5	792	874	1073	1240	1284
65.0	710	793	996	1163	1206
67.5	629	713	919	1084	1124
70.0	550	637	842	1008	1047
72.5	473	558	767	933	983
75.0	394	487	696	866	904
77.5	317	417	623	783	813
80.0	248	352	547	673	695
82.5	182	288	445	499	495
85.0	119	215	302	321	322
87.5	60	120	148	149	140
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	822.98	N.A.	11.30
0-30	1772.47	N.A.	24.30
0-40	2940.22	N.A.	40.30
0-60	5338.1	N.A.	73.10
0-80	7015.31	N.A.	96.10
0-90	7298.85	N.A.	100.00
10-90	7088.6	N.A.	97.10
20-40	2117.24	N.A.	29.00
20-50	3354.75	N.A.	46.00
40-70	3366.38	N.A.	46.10
60-80	1677.22	N.A.	23.00
70-80	708.71	N.A.	9.70
80-90	283.53	N.A.	3.90
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	7298.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.25
10-20	612.73
20-30	949.48
30-40	1167.75
40-50	1237.51
50-60	1160.37
60-70	968.51
70-80	708.71
80-90	283.53
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

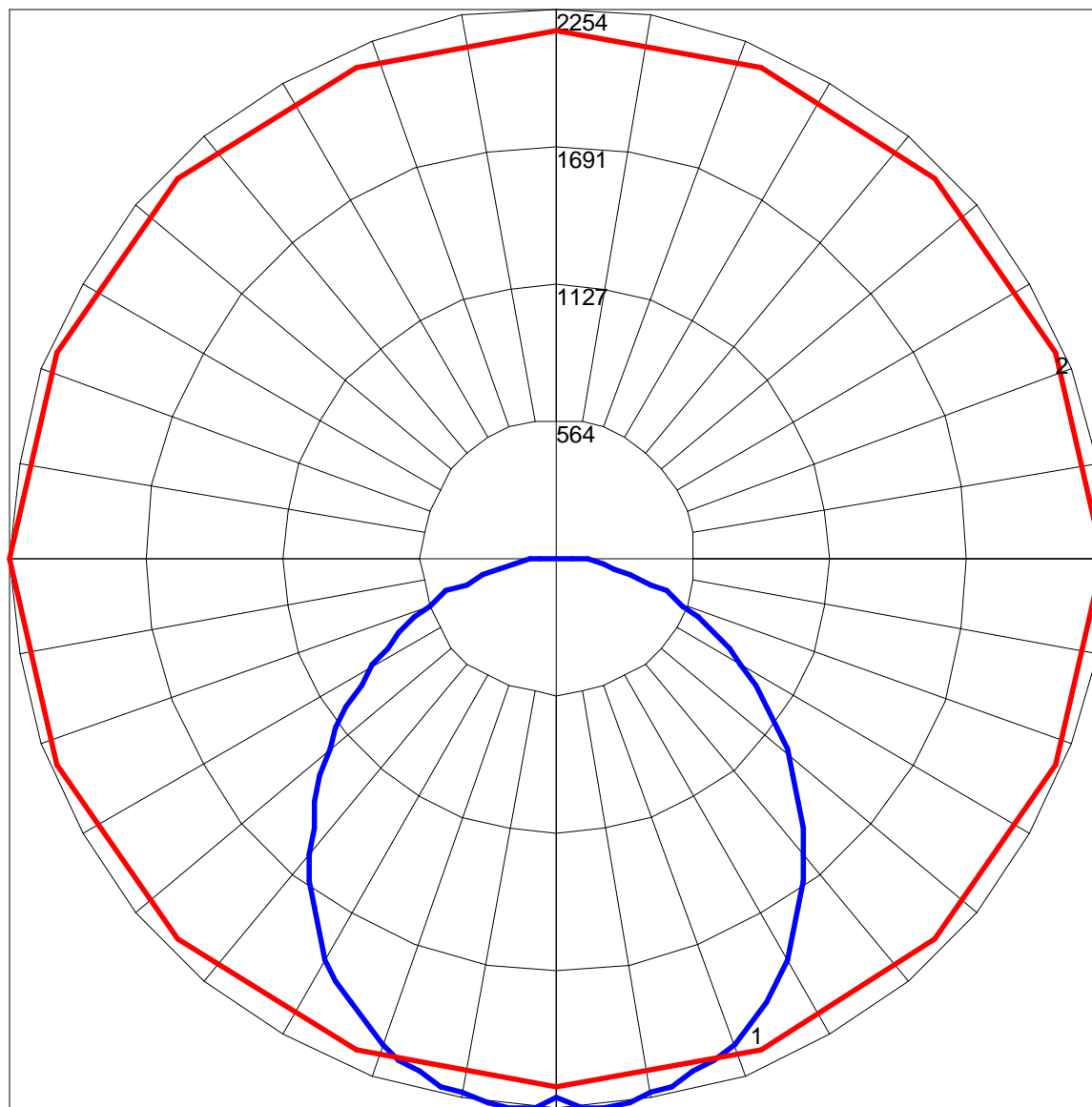
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	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	77	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	55	49	59	53	48	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	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	39	33	45	38	33	43	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 2254 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.)