



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-80L-35.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-35

[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	7887
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	5591	6647	7672
55	5198	6730	8338
65	4827	7100	9380
75	4402	8115	12198
85	3559	9261	10930

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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	2319	2319	2319	2319	2319
2.5	2372	2353	2323	2292	2281
5.0	2368	2349	2323	2296	2285
7.5	2360	2342	2319	2300	2289
10.0	2342	2330	2315	2300	2296
12.5	2319	2308	2304	2300	2296
15.0	2285	2281	2289	2296	2300
17.5	2247	2247	2270	2289	2300
20.0	2202	2210	2247	2281	2292
22.5	2145	2164	2217	2266	2281
25.0	2089	2115	2183	2247	2270
27.5	2025	2055	2142	2221	2251
30.0	1949	1991	2096	2194	2228
32.5	1870	1923	2044	2153	2198
35.0	1787	1848	1980	2112	2164
37.5	1704	1772	1919	2066	2123
40.0	1614	1689	1851	2013	2078
42.5	1527	1610	1783	1961	2029
45.0	1440	1527	1712	1904	1976
47.5	1350	1440	1636	1840	1923
50.0	1259	1354	1561	1780	1866
52.5	1169	1263	1486	1716	1806
55.0	1086	1176	1406	1652	1742
57.5	992	1090	1327	1580	1674
60.0	909	1007	1248	1504	1606
62.5	822	920	1169	1429	1527
65.0	743	837	1093	1346	1444
67.5	660	758	1011	1267	1369
70.0	577	675	928	1188	1312
72.5	494	592	845	1120	1259
75.0	415	513	765	1029	1150
77.5	332	437	690	943	1060
80.0	256	358	596	781	814
82.5	185	279	464	554	577
85.0	113	185	294	332	347
87.5	53	75	128	166	192
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	868.65	N.A.	11.00
0-30	1873.83	N.A.	23.80
0-40	3112.51	N.A.	39.50
0-60	5696.71	N.A.	72.20
0-80	7591.01	N.A.	96.30
0-90	7886.58	N.A.	100.00
10-90	7665.03	N.A.	97.20
20-40	2243.85	N.A.	28.50
20-50	3565.3	N.A.	45.20
40-70	3667.14	N.A.	46.50
60-80	1894.3	N.A.	24.00
70-80	811.36	N.A.	10.30
80-90	295.57	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	7886.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	221.55
10-20	647.10
20-30	1005.17
30-40	1238.68
40-50	1321.45
50-60	1262.76
60-70	1082.94
70-80	811.36
80-90	295.57
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

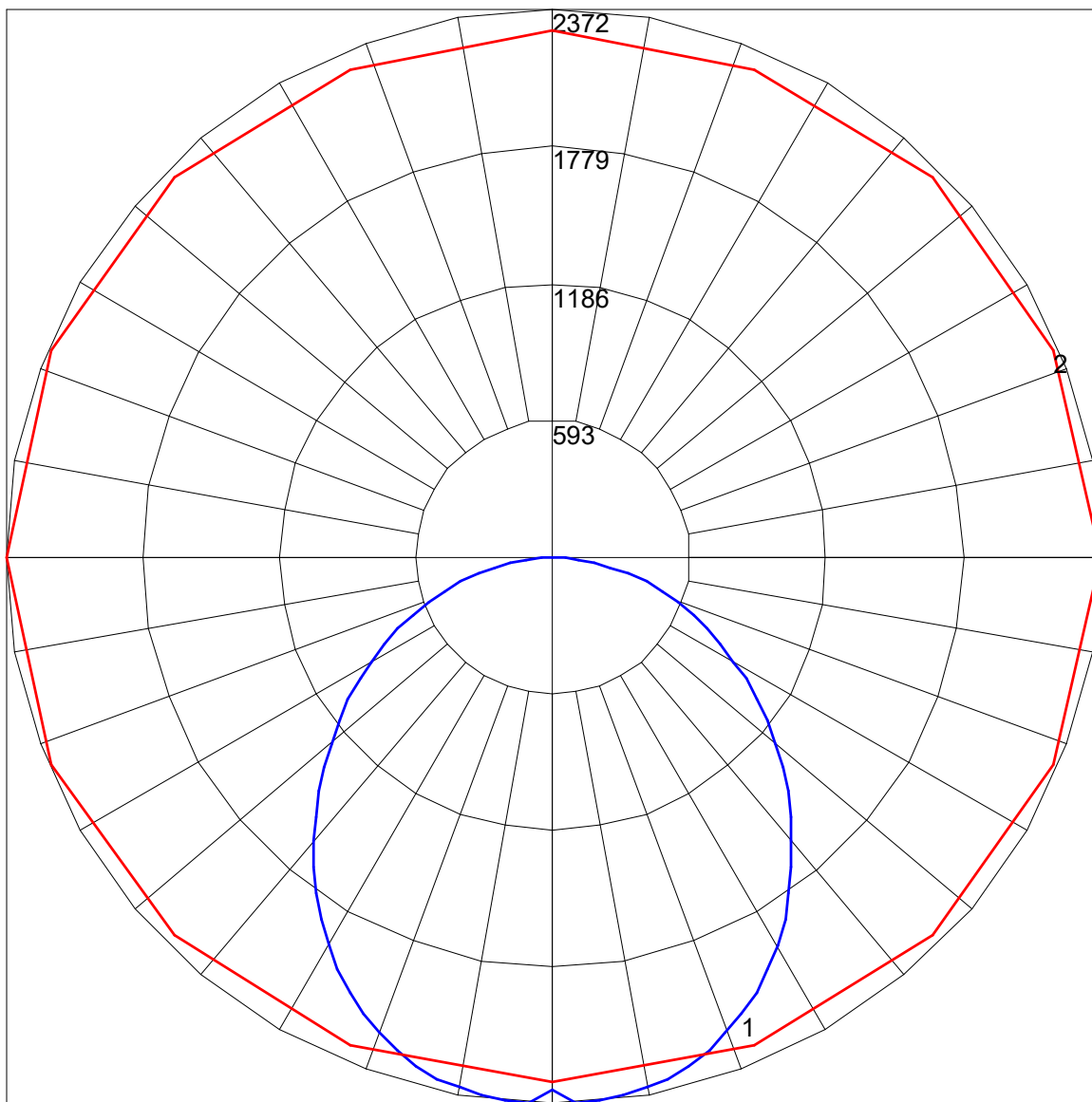
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2372 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.)