



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-39L-30.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-39L-30

[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	3643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	33
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	2582	3071	3545
55	2403	3111	3853
65	2228	3281	4333
75	2037	3755	5632
85	1638	4284	5040

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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	1071	1071	1071	1071	1071
2.5	1096	1087	1073	1059	1054
5.0	1094	1085	1073	1061	1056
7.5	1090	1082	1071	1063	1057
10.0	1082	1076	1070	1063	1061
12.5	1071	1066	1064	1063	1061
15.0	1056	1054	1057	1061	1063
17.5	1038	1038	1049	1057	1063
20.0	1017	1021	1038	1054	1059
22.5	991	1000	1024	1047	1054
25.0	965	977	1009	1038	1049
27.5	935	949	989	1026	1040
30.0	901	920	968	1014	1029
32.5	864	888	944	995	1016
35.0	826	854	914	975	1000
37.5	787	819	887	955	981
40.0	746	780	855	930	960
42.5	705	744	824	906	937
45.0	665	705	791	880	913
47.5	624	665	756	850	888
50.0	582	625	721	822	862
52.5	540	584	686	793	834
55.0	502	543	650	763	805
57.5	458	503	613	730	773
60.0	420	465	577	695	742
62.5	380	425	540	660	705
65.0	343	387	505	622	667
67.5	305	350	467	585	632
70.0	267	312	429	549	606
72.5	228	273	390	517	582
75.0	192	237	354	476	531
77.5	153	202	319	435	489
80.0	118	165	275	361	376
82.5	85	129	214	256	267
85.0	52	85	136	153	160
87.5	24	35	59	77	89
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	401.31	N.A.	11.00
0-30	865.68	N.A.	23.80
0-40	1437.95	N.A.	39.50
0-60	2631.74	N.A.	72.20
0-80	3506.81	N.A.	96.30
0-90	3643.28	N.A.	100.00
10-90	3540.93	N.A.	97.20
20-40	1036.64	N.A.	28.50
20-50	1647.1	N.A.	45.20
40-70	1694.07	N.A.	46.50
60-80	875.07	N.A.	24.00
70-80	374.78	N.A.	10.30
80-90	136.48	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	3643.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.35
10-20	298.96
20-30	464.36
30-40	572.28
40-50	610.46
50-60	583.33
60-70	500.29
70-80	374.78
80-90	136.48
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

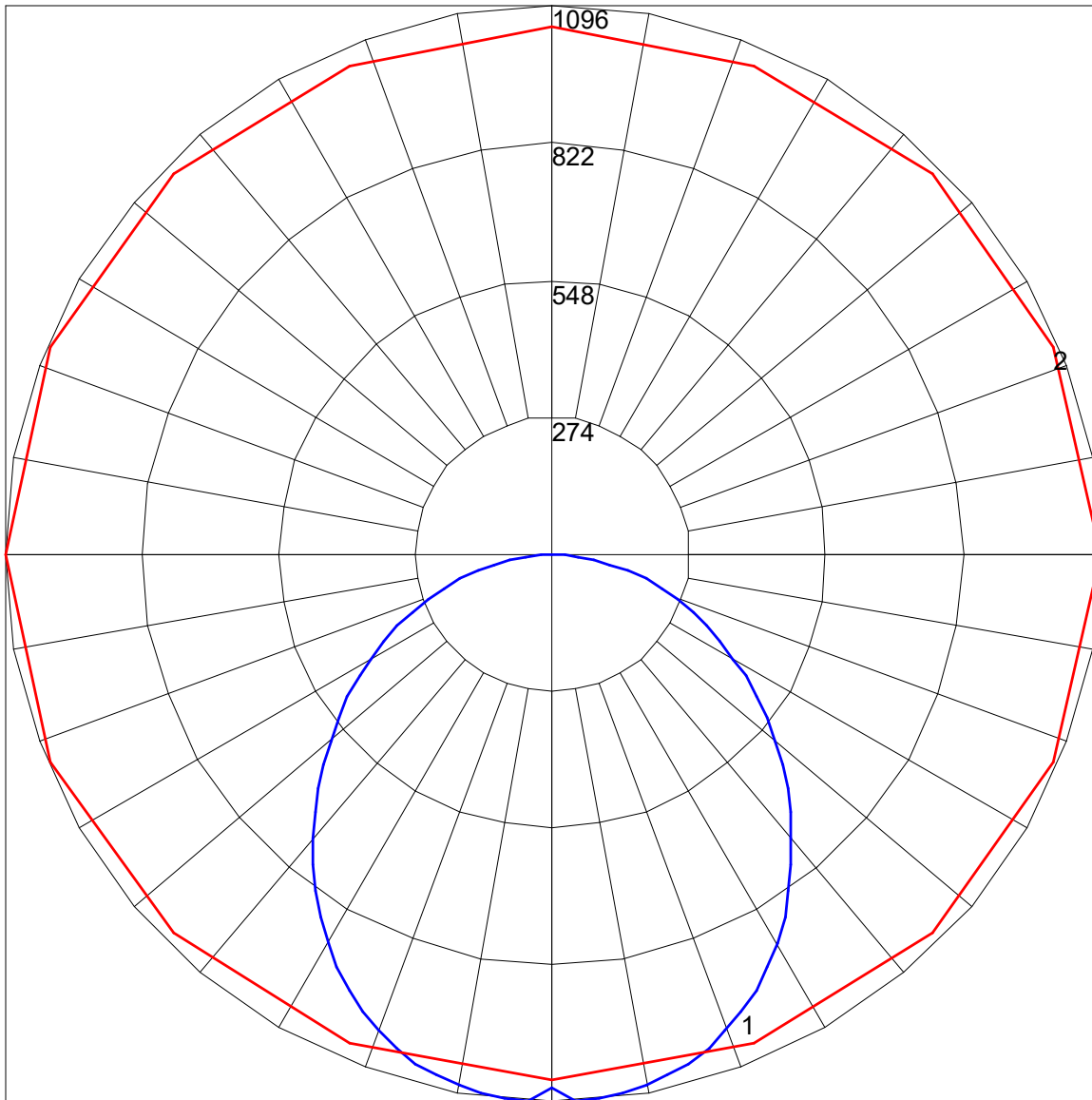
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1096 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.)