



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC22-LED-32L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8802  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/20/17  
[TEST DATE]04/20/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC22-LED-32L-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	3231
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	28.2
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	2314	2741	3153
55	2149	2781	3413
65	1994	2936	3859
75	1846	3362	4794
85	1575	3339	3213

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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	960	960	960	960	960
2.5	982	973	960	948	943
5.0	981	972	960	949	945
7.5	976	969	959	950	946
10.0	968	962	956	951	948
12.5	958	953	952	949	948
15.0	945	943	946	949	949
17.5	928	929	937	945	948
20.0	911	914	928	941	945
22.5	888	895	915	934	941
25.0	865	874	902	926	936
27.5	838	851	884	916	927
30.0	809	825	864	903	917
32.5	776	795	843	888	905
35.0	742	764	819	870	890
37.5	706	732	792	851	874
40.0	668	698	764	829	855
42.5	632	664	735	807	835
45.0	596	630	706	783	812
47.5	558	595	675	757	789
50.0	522	560	644	731	765
52.5	485	524	612	704	739
55.0	449	489	581	677	713
57.5	414	452	549	649	687
60.0	375	417	516	619	657
62.5	341	382	483	588	626
65.0	307	348	452	557	594
67.5	273	314	419	521	559
70.0	239	282	386	487	523
72.5	206	250	351	451	489
75.0	174	218	317	415	452
77.5	140	184	281	374	383
80.0	108	153	243	288	292
82.5	78	120	178	185	177
85.0	50	82	106	103	102
87.5	24	37	41	27	18
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	358.88	N.A.	11.10
0-30	773.95	N.A.	24.00
0-40	1285.26	N.A.	39.80
0-60	2350.51	N.A.	72.80
0-80	3125.54	N.A.	96.70
0-90	3230.63	N.A.	100.00
10-90	3139.04	N.A.	97.20
20-40	926.38	N.A.	28.70
20-50	1471.03	N.A.	45.50
40-70	1512.08	N.A.	46.80
60-80	775.04	N.A.	24.00
70-80	328.21	N.A.	10.20
80-90	105.09	N.A.	3.30
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	3230.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	91.60
10-20	267.28
20-30	415.07
30-40	511.31
40-50	544.66
50-60	520.60
60-70	446.83
70-80	328.21
80-90	105.09
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

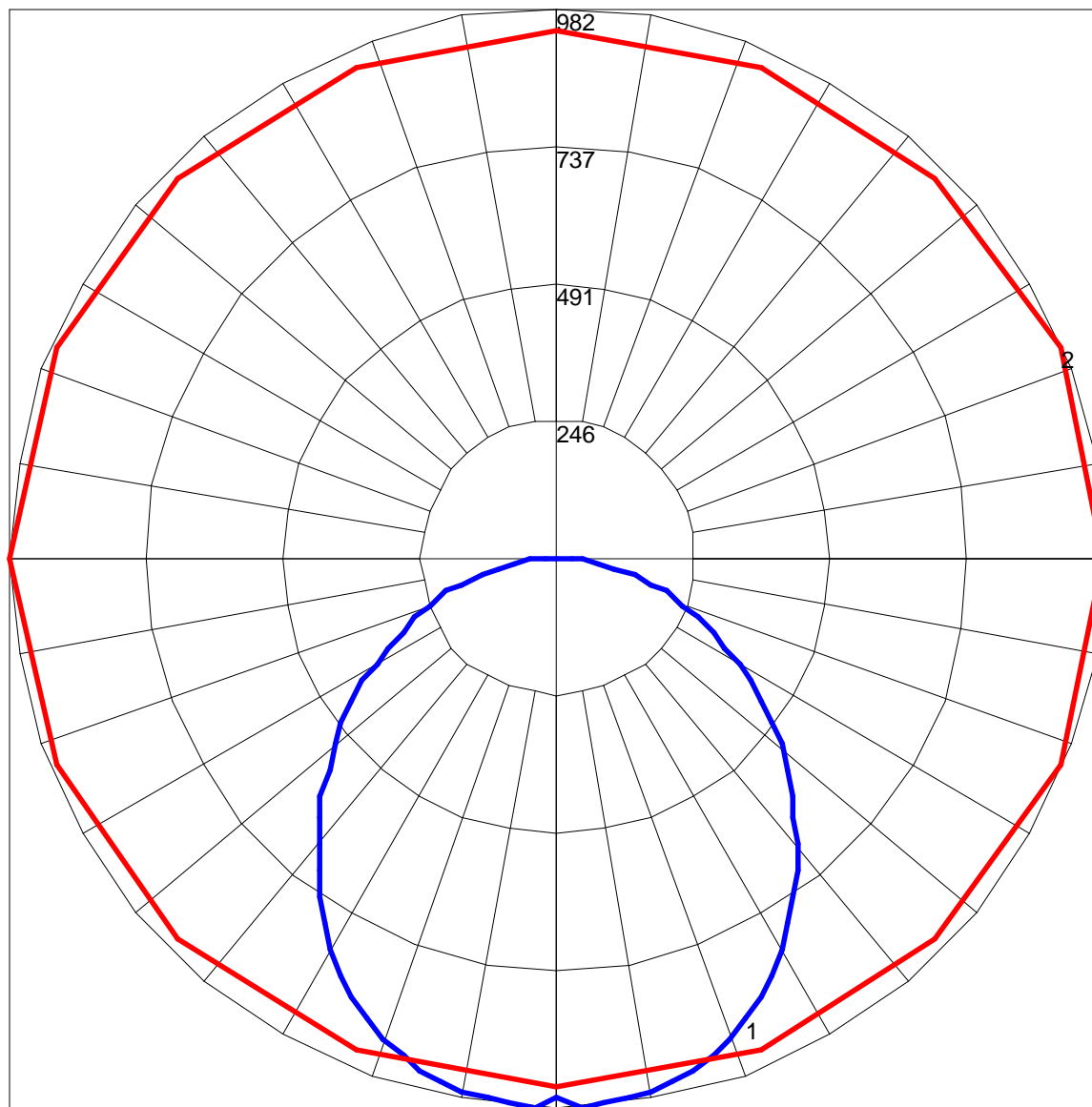
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	105	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	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	54
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	43	54	47	42	53	46	42	39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 982 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.)