



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC22-LED-20L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8808\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]08/18/17  
[TEST DATE]04/21/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC22-LED-20L-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	2017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	18.2
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	1430	1699	1962
55	1329	1721	2132
65	1234	1816	2399
75	1125	2076	3119
85	911	2369	2794

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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	592.952	592.952	592.952	592.952	592.952
2.5	606.450	601.630	593.916	586.203	583.311
5.0	605.486	600.665	593.916	587.167	584.275
7.5	603.558	598.737	592.952	588.132	585.239
10.0	598.737	595.845	591.988	588.132	587.167
12.5	592.952	590.060	589.096	588.132	587.167
15.0	584.275	583.311	585.239	587.167	588.132
17.5	574.633	574.633	580.418	585.239	588.132
20.0	563.064	564.992	574.633	583.311	586.203
22.5	548.601	553.422	566.920	579.454	583.311
25.0	534.139	540.888	558.243	574.633	580.418
27.5	517.749	525.462	547.637	567.884	575.598
30.0	498.466	509.071	536.067	561.135	569.813
32.5	478.218	491.717	522.569	550.530	562.099
35.0	457.007	472.434	506.179	539.924	553.422
37.5	435.796	453.151	490.752	528.354	542.816
40.0	412.656	431.939	473.398	514.856	531.247
42.5	390.481	411.692	456.043	501.358	518.713
45.0	368.305	390.481	437.724	486.896	505.215
47.5	345.166	368.305	418.441	470.505	491.717
50.0	322.026	346.130	399.158	455.079	477.254
52.5	298.887	322.990	379.875	438.688	461.828
55.0	277.675	300.815	359.628	422.298	445.437
57.5	253.571	278.639	339.381	403.979	428.083
60.0	232.360	257.428	319.134	384.696	410.728
62.5	210.185	235.253	298.887	365.413	390.481
65.0	189.938	214.041	279.604	344.202	369.269
67.5	168.726	193.794	258.392	323.954	349.986
70.0	147.515	172.583	237.181	303.707	335.524
72.5	126.304	151.372	215.970	286.353	322.026
75.0	106.057	131.124	195.722	263.213	294.066
77.5	84.845	111.841	176.439	241.038	270.926
80.0	65.562	91.594	152.336	199.579	208.256
82.5	47.243	71.347	118.590	141.730	147.515
85.0	28.925	47.243	75.204	84.845	88.702
87.5	13.498	19.283	32.781	42.423	49.172
90.0	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	222.12	N.A.	11.00
0-30	479.16	N.A.	23.80
0-40	795.90	N.A.	39.50
0-60	1456.69	N.A.	72.20
0-80	1941.05	N.A.	96.30
0-90	2016.63	N.A.	100.00
10-90	1959.98	N.A.	97.20
20-40	573.78	N.A.	28.50
20-50	911.69	N.A.	45.20
40-70	937.70	N.A.	46.50
60-80	484.36	N.A.	24.00
70-80	207.46	N.A.	10.30
80-90	75.58	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	2016.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	56.65
10-20	165.47
20-30	257.04
30-40	316.74
40-50	337.91
50-60	322.88
60-70	276.90
70-80	207.46
80-90	75.58
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

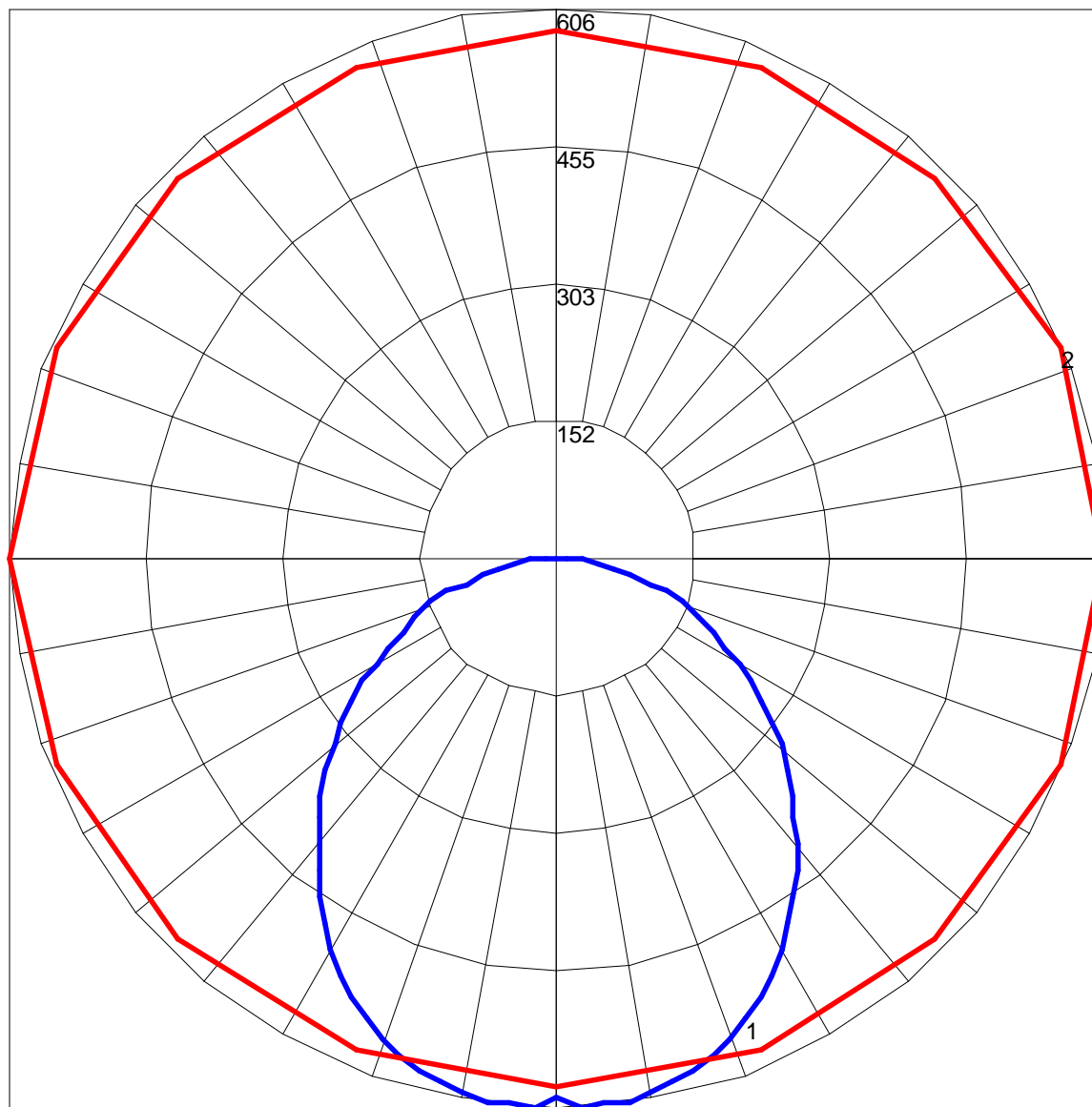
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 606.45 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.)