



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-70L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8850\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE]DATE]07/11/17  
[TEST]DATE]04/28/17  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]LPASC14-LED-70L-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	6881
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	56.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5340	5976	6494
55	4954	5945	6744
65	4598	6051	6940
75	4214	6020	5843
85	3891	5469	6100

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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	2171.711	2171.711	2171.711	2171.711	2171.711
2.5	2226.260	2192.167	2175.121	2154.665	2144.437
5.0	2219.441	2188.758	2175.121	2154.665	2137.619
7.5	2209.213	2181.939	2168.302	2151.256	2141.028
10.0	2209.213	2175.121	2164.893	2151.256	2137.619
12.5	2185.349	2154.665	2151.256	2141.028	2130.800
15.0	2161.484	2134.209	2137.619	2137.619	2123.981
17.5	2134.209	2110.344	2113.754	2120.572	2113.754
20.0	2089.889	2072.842	2083.070	2096.707	2093.298
22.5	2045.568	2035.340	2052.387	2076.252	2072.842
25.0	2001.247	1991.020	2021.703	2048.977	2048.977
27.5	1939.880	1939.880	1980.792	2018.294	2025.112
30.0	1875.104	1888.741	1936.471	1984.201	1994.429
32.5	1803.509	1820.556	1885.332	1943.290	1953.517
35.0	1735.324	1759.189	1834.193	1905.788	1919.425
37.5	1653.501	1684.184	1772.826	1854.648	1871.695
40.0	1578.497	1612.589	1714.868	1803.509	1823.965
42.5	1486.446	1527.357	1643.273	1738.733	1766.007
45.0	1404.623	1445.535	1571.678	1680.775	1708.049
47.5	1315.982	1370.531	1503.493	1622.817	1653.501
50.0	1227.341	1285.299	1425.079	1551.222	1578.497
52.5	1142.109	1203.476	1353.484	1476.218	1513.720
55.0	1056.877	1118.244	1268.252	1401.214	1438.716
57.5	971.645	1039.830	1196.657	1326.210	1363.712
60.0	889.822	958.008	1111.425	1240.978	1281.889
62.5	801.181	869.366	1029.603	1155.746	1186.429
65.0	722.767	787.544	951.189	1070.514	1090.970
67.5	634.126	698.902	862.548	954.598	964.826
70.0	552.303	627.308	773.907	835.274	825.046
72.5	480.708	555.713	681.856	712.540	695.493
75.0	405.704	480.708	579.578	576.168	562.531
77.5	334.109	412.523	473.890	460.253	439.797
80.0	259.105	327.291	361.384	347.747	340.928
82.5	187.510	248.877	265.924	262.515	262.515
85.0	126.143	167.055	177.283	187.510	197.738
87.5	64.776	85.232	85.232	92.051	95.460
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	810.81	N.A.	11.80
0-30	1742.48	N.A.	25.30
0-40	2886.81	N.A.	42.00
0-60	5222.39	N.A.	75.90
0-80	6696.58	N.A.	97.30
0-90	6880.74	N.A.	100.00
10-90	6673.52	N.A.	97.00
20-40	2076.00	N.A.	30.20
20-50	3284.02	N.A.	47.70
40-70	3247.76	N.A.	47.20
60-80	1474.19	N.A.	21.40
70-80	562.01	N.A.	8.20
80-90	184.16	N.A.	2.70
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	6880.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	207.22
10-20	603.59
20-30	931.67
30-40	1144.33
40-50	1208.01
50-60	1127.56
60-70	912.19
70-80	562.01
80-90	184.16
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

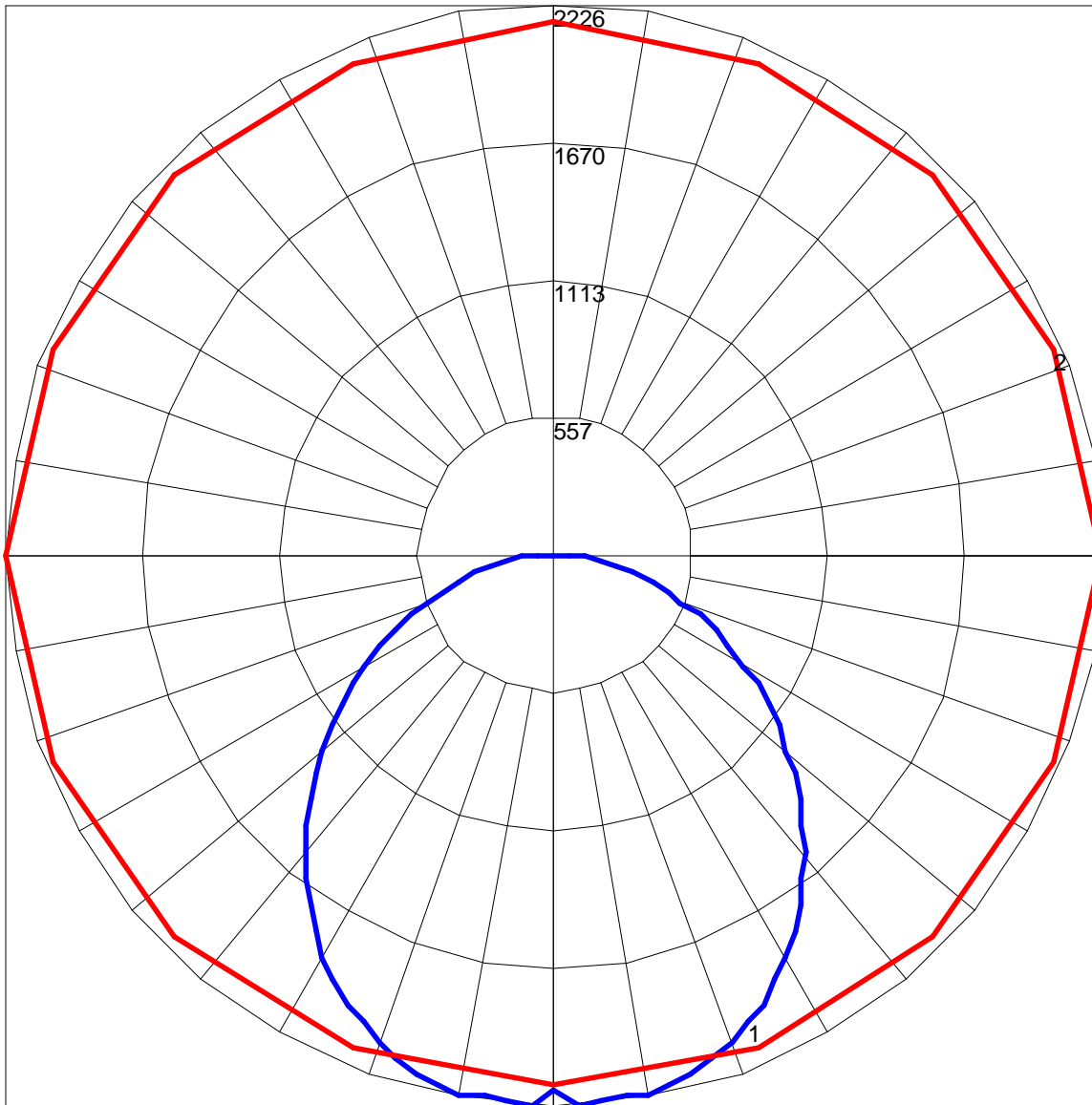
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 2226.26 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.)