



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-70L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8850\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]08/18/17  
[TEST DATE]08/18/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-LED-70L-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\_SOURCE TYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6820
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	5293	5923	6437
55	4910	5892	6684
65	4557	5997	6879
75	4177	5967	5791
85	3857	5420	6046

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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	2152.468	2152.468	2152.468	2152.468	2152.468
2.5	2206.533	2172.742	2155.847	2135.572	2125.435
5.0	2199.775	2169.363	2155.847	2135.572	2118.677
7.5	2189.637	2162.605	2149.089	2132.193	2122.056
10.0	2189.637	2155.847	2145.709	2132.193	2118.677
12.5	2165.984	2135.572	2132.193	2122.056	2111.919
15.0	2142.330	2115.298	2118.677	2118.677	2105.161
17.5	2115.298	2091.644	2095.023	2101.782	2095.023
20.0	2071.370	2054.475	2064.612	2078.128	2074.749
22.5	2027.442	2017.305	2034.200	2057.854	2054.475
25.0	1983.514	1973.377	2003.789	2030.821	2030.821
27.5	1922.691	1922.691	1963.240	2000.409	2007.168
30.0	1858.489	1872.005	1919.312	1966.619	1976.756
32.5	1787.528	1804.423	1868.626	1926.070	1936.207
35.0	1719.947	1743.600	1817.940	1888.900	1902.416
37.5	1638.849	1669.261	1757.116	1838.214	1855.109
40.0	1564.509	1598.300	1699.672	1787.528	1807.802
42.5	1473.275	1513.823	1628.712	1723.326	1750.358
45.0	1392.177	1432.726	1557.751	1665.882	1692.914
47.5	1304.321	1358.386	1490.170	1608.437	1638.849
50.0	1216.465	1273.909	1412.451	1537.477	1564.509
52.5	1131.988	1192.812	1341.491	1463.137	1500.307
55.0	1047.512	1108.335	1257.014	1388.798	1425.968
57.5	963.035	1030.616	1186.054	1314.458	1351.628
60.0	881.937	949.519	1101.577	1229.981	1270.530
62.5	794.081	861.663	1020.479	1145.505	1175.916
65.0	716.363	780.565	942.761	1061.028	1081.302
67.5	628.507	692.709	854.905	946.140	956.277
70.0	547.409	621.749	767.049	827.872	817.735
72.5	476.449	550.788	675.814	706.226	689.330
75.0	402.109	476.449	574.442	571.063	557.547
77.5	331.149	408.867	469.691	456.174	435.900
80.0	256.809	324.391	358.181	344.665	337.907
82.5	185.849	246.672	263.567	260.188	260.188
85.0	125.026	165.574	175.712	185.849	195.986
87.5	64.202	84.477	84.477	91.235	94.614
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	803.62	N.A.	11.80
0-30	1727.03	N.A.	25.30
0-40	2861.23	N.A.	42.00
0-60	5176.11	N.A.	75.90
0-80	6637.24	N.A.	97.30
0-90	6819.77	N.A.	100.00
10-90	6614.39	N.A.	97.00
20-40	2057.61	N.A.	30.20
20-50	3254.92	N.A.	47.70
40-70	3218.98	N.A.	47.20
60-80	1461.13	N.A.	21.40
70-80	557.03	N.A.	8.20
80-90	182.53	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	6819.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	205.38
10-20	598.24
20-30	923.41
30-40	1134.19
40-50	1197.31
50-60	1117.57
60-70	904.10
70-80	557.03
80-90	182.53
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

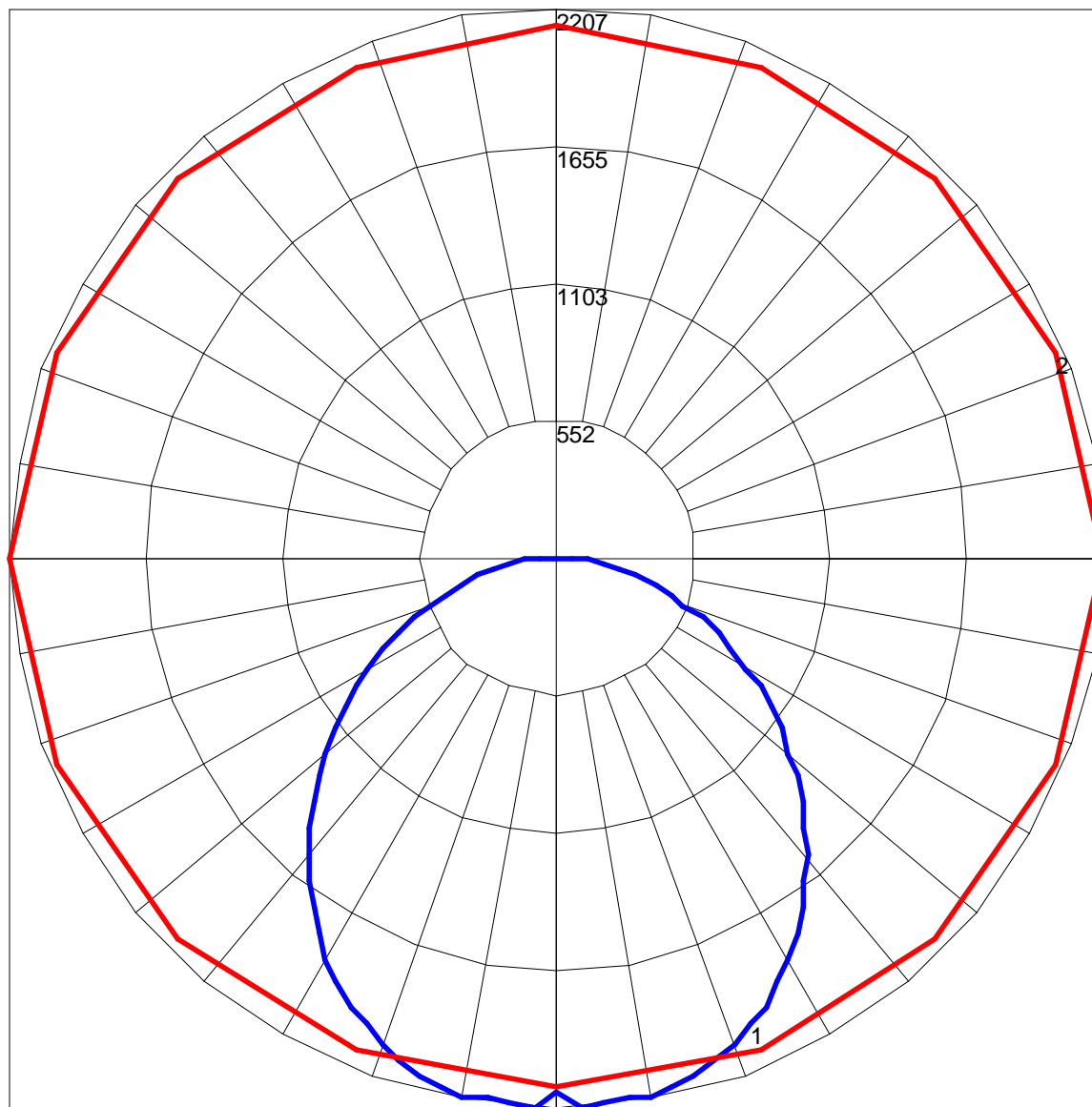
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2206.533 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.)