



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC14-LED-70L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8865  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/02/17  
[TEST DATE]05/02/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC14-LED-70L-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	7073
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
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	5479	6156	6699
55	5057	6126	6965
65	4695	6202	7112
75	4259	6191	6077
85	3979	5645	5984

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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>
<b>0.0</b>	2228	2228	2228	2228	2228
<b>2.5</b>	2276	2245	2228	2212	2198
<b>5.0</b>	2276	2245	2229	2212	2197
<b>7.5</b>	2269	2238	2224	2211	2197
<b>10.0</b>	2255	2227	2216	2205	2193
<b>12.5</b>	2237	2210	2205	2199	2189
<b>15.0</b>	2211	2187	2187	2187	2180
<b>17.5</b>	2178	2160	2166	2173	2168
<b>20.0</b>	2140	2126	2140	2155	2153
<b>22.5</b>	2095	2086	2111	2133	2132
<b>25.0</b>	2043	2042	2075	2107	2111
<b>27.5</b>	1985	1990	2035	2076	2084
<b>30.0</b>	1920	1933	1988	2041	2052
<b>32.5</b>	1850	1870	1938	2002	2014
<b>35.0</b>	1776	1803	1883	1959	1974
<b>37.5</b>	1697	1729	1821	1907	1928
<b>40.0</b>	1613	1653	1758	1853	1878
<b>42.5</b>	1528	1572	1692	1796	1823
<b>45.0</b>	1441	1489	1619	1734	1762
<b>47.5</b>	1348	1404	1546	1668	1700
<b>50.0</b>	1255	1320	1467	1597	1632
<b>52.5</b>	1167	1232	1390	1524	1562
<b>55.0</b>	1079	1147	1307	1444	1486
<b>57.5</b>	992	1062	1225	1364	1399
<b>60.0</b>	906	977	1142	1279	1313
<b>62.5</b>	822	895	1060	1193	1224
<b>65.0</b>	738	809	975	1097	1118
<b>67.5</b>	655	726	891	990	995
<b>70.0</b>	571	644	800	870	861
<b>72.5</b>	486	565	701	734	720
<b>75.0</b>	410	491	596	599	585
<b>77.5</b>	336	417	488	471	452
<b>80.0</b>	263	340	376	362	352
<b>82.5</b>	194	260	275	271	271
<b>85.0</b>	129	175	183	191	194
<b>87.5</b>	66	90	96	103	107
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	831.04	N.A.	11.70
0-30	1787.6	N.A.	25.30
0-40	2962.99	N.A.	41.90
0-60	5363.88	N.A.	75.80
0-80	6881.23	N.A.	97.30
0-90	7072.9	N.A.	100.00
10-90	6860.4	N.A.	97.00
20-40	2131.95	N.A.	30.10
20-50	3374.69	N.A.	47.70
40-70	3340.35	N.A.	47.20
60-80	1517.35	N.A.	21.50
70-80	577.89	N.A.	8.20
80-90	191.67	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	7072.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	212.51
10-20	618.54
20-30	956.55
30-40	1175.4
40-50	1242.74
50-60	1158.15
60-70	939.46
70-80	577.89
80-90	191.67
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

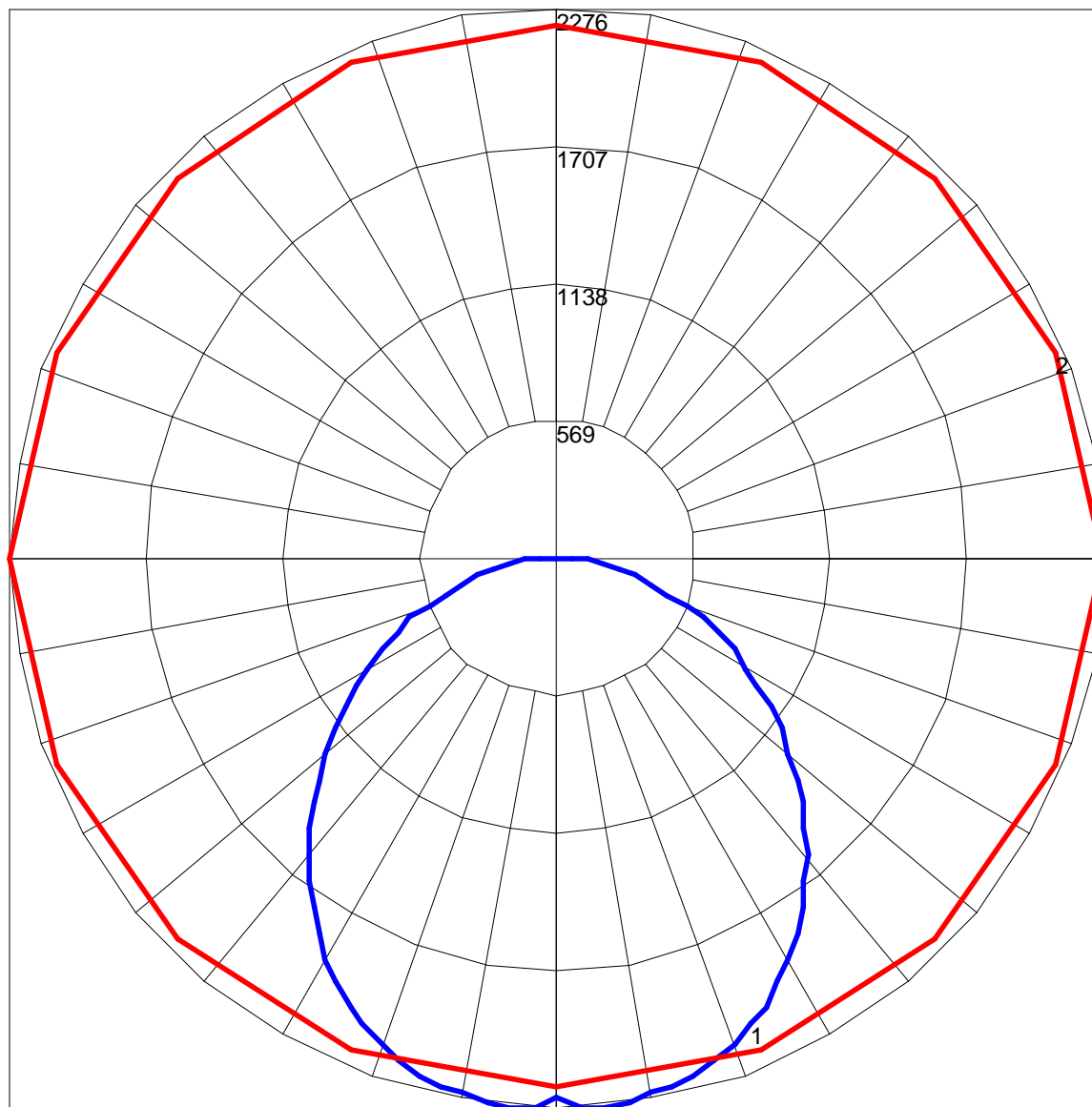
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	96	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	51	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	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	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 = 2276 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.)