



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC14-LED-70L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-8960\_Scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUEDATE] 08/18/17  
[TESTDATE] 05/25/17  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] LPEC14-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\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6859
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	55.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
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	5097	6014	6740
55	4791	6126	7226
65	4456	6204	7717
75	4038	6196	7484
85	3515	5582	5169

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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	2007.381	2007.381	2007.381	2007.381	2007.381
2.5	2047.595	2024.137	2010.732	1993.976	1983.922
5.0	2047.595	2024.137	2010.732	1997.327	1990.625
7.5	2040.893	2020.786	2010.732	2000.678	1990.625
10.0	2030.839	2010.732	2007.381	2000.678	1990.625
12.5	2010.732	1993.976	1993.976	1997.327	1990.625
15.0	1990.625	1977.220	1987.273	1993.976	1997.327
17.5	1963.815	1957.112	1973.869	1993.976	1993.976
20.0	1930.303	1930.303	1957.112	1990.625	1993.976
22.5	1893.439	1896.790	1937.005	1980.571	1983.922
25.0	1856.576	1863.278	1920.249	1970.517	1980.571
27.5	1802.956	1826.415	1890.088	1953.761	1973.869
30.0	1745.986	1779.498	1859.927	1937.005	1957.112
32.5	1689.015	1725.878	1826.415	1913.547	1943.708
35.0	1628.693	1672.259	1782.849	1886.737	1913.547
37.5	1558.317	1608.586	1739.283	1853.225	1886.737
40.0	1481.239	1544.912	1689.015	1816.361	1853.225
42.5	1414.215	1474.537	1638.747	1776.147	1819.712
45.0	1340.488	1407.512	1581.776	1729.229	1772.795
47.5	1260.059	1337.137	1518.103	1682.312	1725.878
50.0	1182.981	1263.410	1451.078	1621.990	1675.610
52.5	1102.551	1186.332	1380.703	1554.966	1608.586
55.0	1022.122	1105.903	1306.976	1484.590	1541.561
57.5	945.044	1025.473	1229.898	1414.215	1471.186
60.0	867.966	941.693	1149.468	1333.786	1390.756
62.5	784.185	857.912	1065.688	1250.005	1306.976
65.0	700.405	770.781	975.205	1159.522	1213.142
67.5	619.976	687.000	881.371	1058.985	1105.903
70.0	539.546	599.868	787.537	951.746	985.259
72.5	465.820	519.439	697.054	837.805	861.264
75.0	388.742	439.010	596.517	713.810	720.512
77.5	315.015	361.932	495.981	573.059	573.059
80.0	241.288	284.854	392.093	439.010	432.307
82.5	180.966	207.776	288.205	304.961	291.556
85.0	113.941	137.400	180.966	174.263	167.561
87.5	56.971	70.376	77.078	63.673	60.322
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	754.29	N.A.	11.00
0-30	1638.69	N.A.	23.90
0-40	2751.23	N.A.	40.10
0-60	5119.21	N.A.	74.60
0-80	6677.26	N.A.	97.40
0-90	6858.62	N.A.	100.00
10-90	6666.66	N.A.	97.20
20-40	1996.94	N.A.	29.10
20-50	3207.1	N.A.	46.80
40-70	3321.05	N.A.	48.40
60-80	1558.05	N.A.	22.70
70-80	604.97	N.A.	8.80
80-90	181.36	N.A.	2.60
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	6858.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	191.96
10-20	562.34
20-30	884.40
30-40	1112.54
40-50	1210.16
50-60	1157.82
60-70	953.08
70-80	604.97
80-90	181.36
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

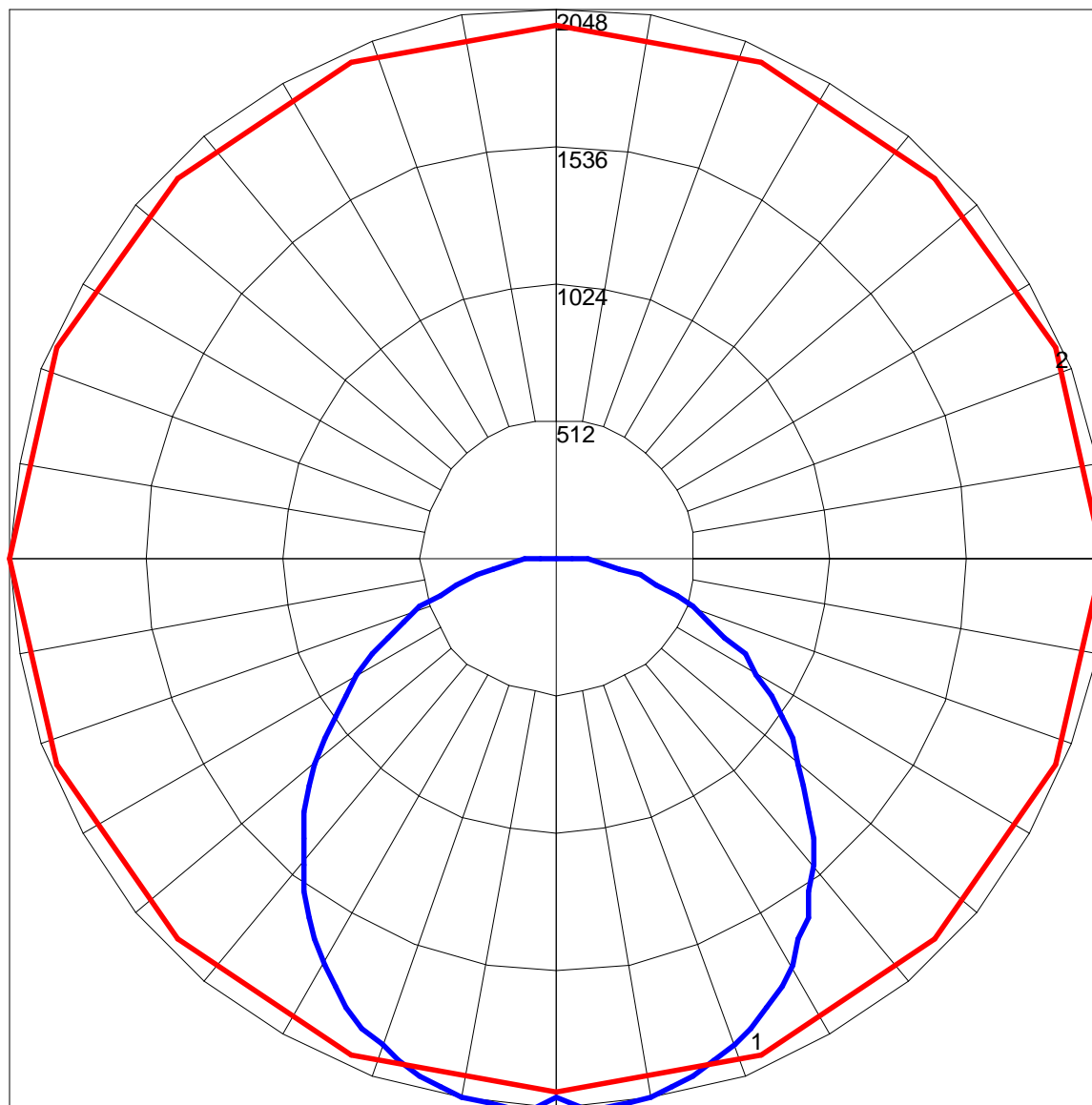
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	50	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2047.595 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.)