



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-70L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 07/10/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-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	6796
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	5050	5959	6678
55	4747	6070	7159
65	4415	6147	7646
75	4001	6139	7415
85	3482	5531	5121

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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	1988.938	1988.938	1988.938	1988.938	1988.938
2.5	2028.783	2005.540	1992.258	1975.656	1965.695
5.0	2028.783	2005.540	1992.258	1978.976	1972.335
7.5	2022.142	2002.219	1992.258	1982.297	1972.335
10.0	2012.181	1992.258	1988.938	1982.297	1972.335
12.5	1992.258	1975.656	1975.656	1978.976	1972.335
15.0	1972.335	1959.054	1969.015	1975.656	1978.976
17.5	1945.772	1939.131	1955.733	1975.656	1975.656
20.0	1912.568	1912.568	1939.131	1972.335	1975.656
22.5	1876.043	1879.363	1919.209	1962.374	1965.695
25.0	1839.518	1846.159	1902.606	1952.413	1962.374
27.5	1786.391	1809.634	1872.723	1935.811	1955.733
30.0	1729.944	1763.148	1842.839	1919.209	1939.131
32.5	1673.497	1710.021	1809.634	1895.966	1925.849
35.0	1613.729	1656.895	1766.469	1869.402	1895.966
37.5	1544.000	1593.806	1723.303	1836.198	1869.402
40.0	1467.630	1530.718	1673.497	1799.673	1836.198
42.5	1401.221	1460.989	1623.690	1759.828	1802.994
45.0	1328.172	1394.581	1567.243	1713.342	1756.507
47.5	1248.482	1324.852	1504.155	1666.856	1710.021
50.0	1172.112	1251.802	1437.746	1607.088	1660.215
52.5	1092.421	1175.432	1368.017	1540.680	1593.806
55.0	1012.731	1095.742	1294.968	1470.951	1527.398
57.5	936.361	1016.052	1218.598	1401.221	1457.669
60.0	859.991	933.041	1138.908	1321.531	1377.978
62.5	776.981	850.030	1055.897	1238.520	1294.968
65.0	693.970	763.699	966.245	1148.869	1201.996
67.5	614.280	680.688	873.273	1049.256	1095.742
70.0	534.589	594.357	780.301	943.002	976.206
72.5	461.540	514.667	690.649	830.108	853.351
75.0	385.170	434.976	591.037	707.252	713.892
77.5	312.120	358.606	491.424	567.794	567.794
80.0	239.071	282.237	388.490	434.976	428.335
82.5	179.303	205.867	285.557	302.159	288.877
85.0	112.895	136.138	179.303	172.662	166.022
87.5	56.447	69.729	76.370	63.088	59.768
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	747.36	N.A.	11.00
0-30	1623.64	N.A.	23.90
0-40	2725.96	N.A.	40.10
0-60	5072.17	N.A.	74.60
0-80	6615.91	N.A.	97.40
0-90	6795.6	N.A.	100.00
10-90	6605.41	N.A.	97.20
20-40	1978.59	N.A.	29.10
20-50	3177.63	N.A.	46.80
40-70	3290.54	N.A.	48.40
60-80	1543.74	N.A.	22.70
70-80	599.41	N.A.	8.80
80-90	179.69	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	6795.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.19
10-20	557.17
20-30	876.27
30-40	1102.32
40-50	1199.04
50-60	1147.18
60-70	944.32
70-80	599.41
80-90	179.69
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

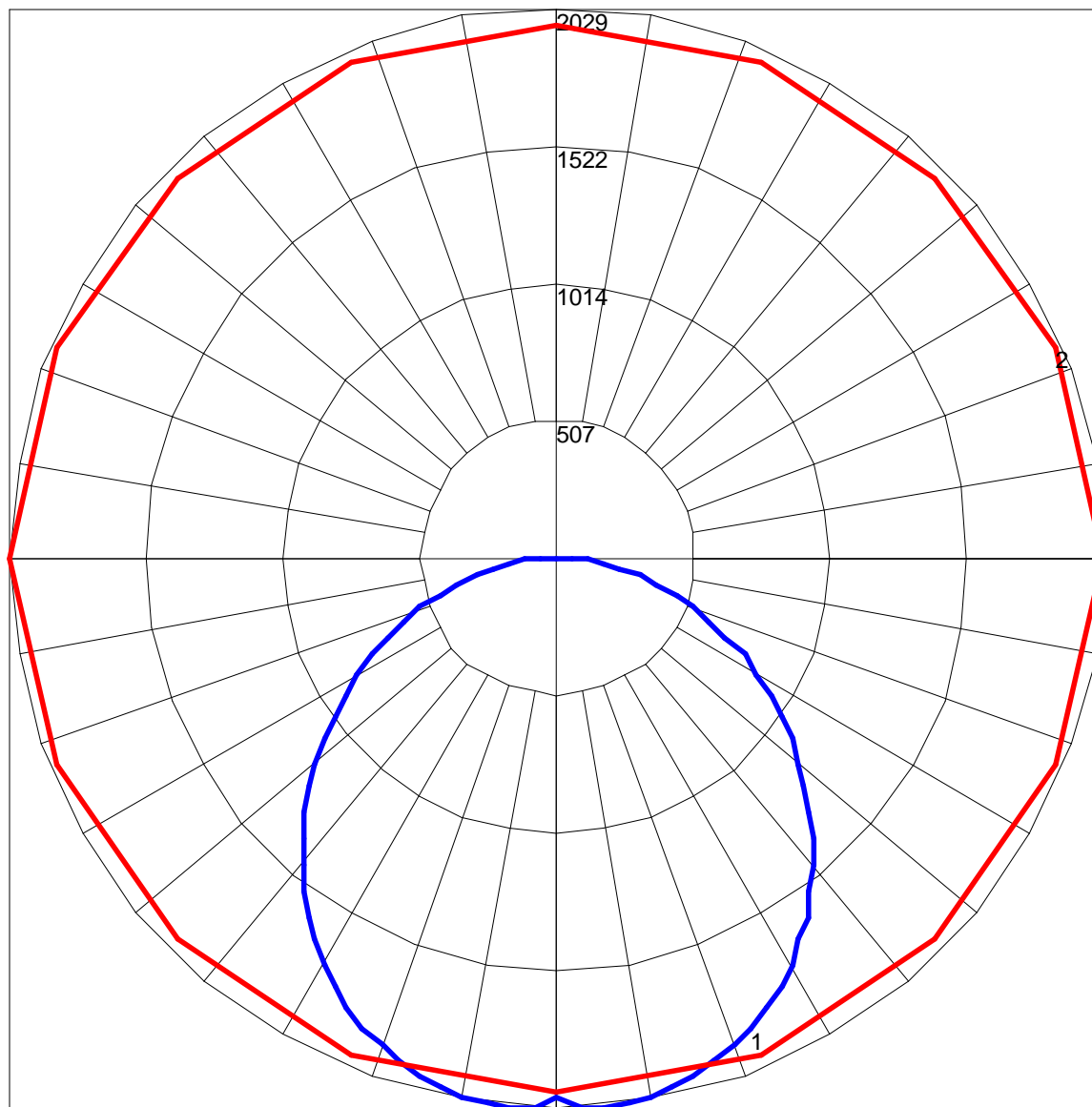
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2028.783 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.)