

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P236277

Luminaire Tested: **4SWLED-44HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26870)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SWLED-44HL-LC-UNV-L835-CD1-U
Description: METALUX SWLED LINEAR LUMINAIRE
4FT FIXTURE WITH 2 ROW LED, CLEAR LENS
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

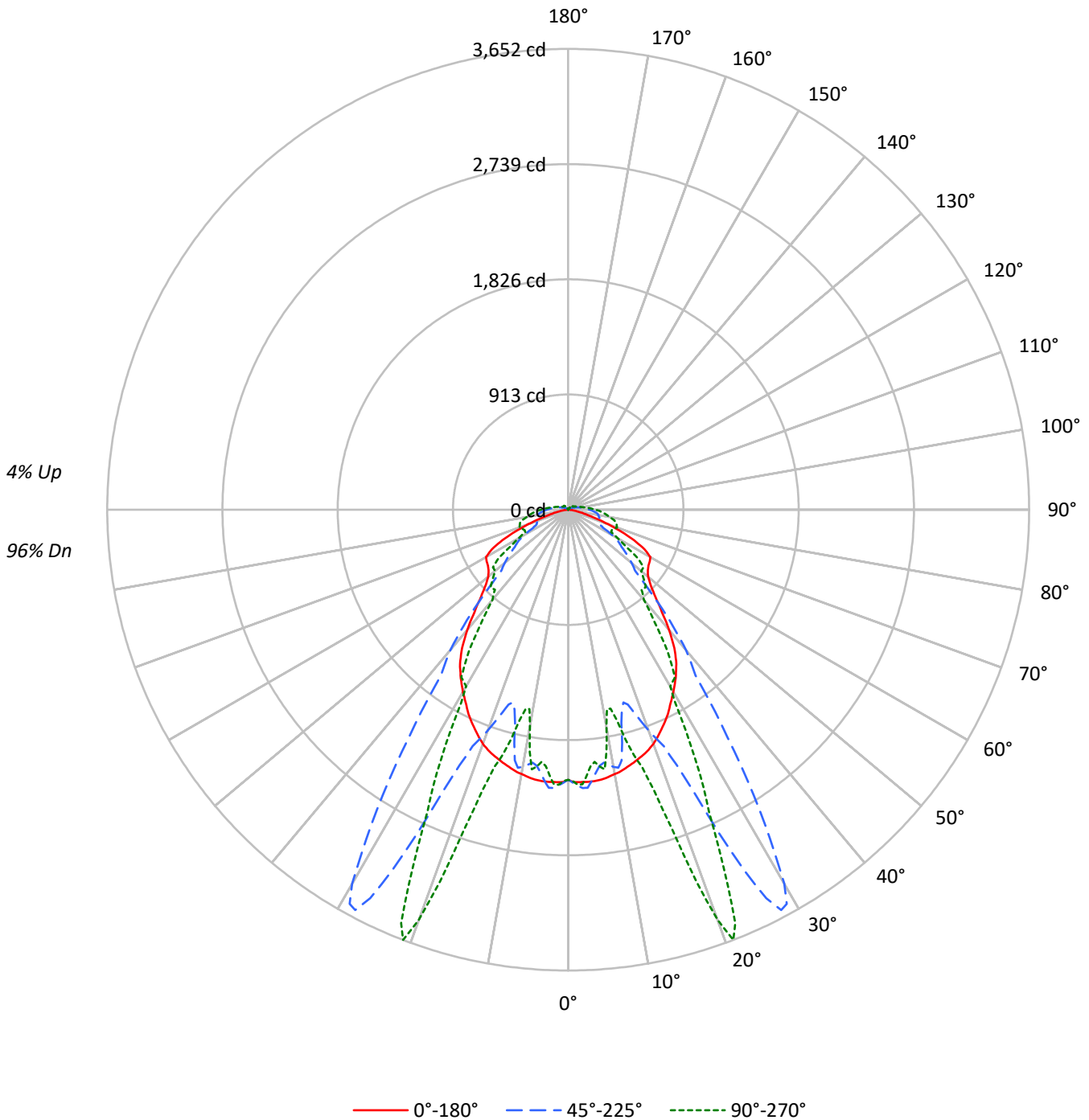
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 39.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	108	103	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	50	62	55	49	59	53	49	57	52	48	46				
6	72	59	51	45	70	58	50	45	56	49	44	54	48	43	52	47	42	40				
7	67	54	46	40	65	53	45	40	51	44	39	49	43	39	48	42	38	36				
8	62	50	41	36	61	49	41	36	47	40	35	46	39	35	44	38	34	32				
9	58	46	38	32	57	45	37	32	43	37	32	42	36	31	41	35	31	29				
10	55	42	35	29	53	41	34	29	40	34	29	39	33	29	38	32	28	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15357	15357	15357
5°	15518	15133	14207
10°	15400	14322	11877
15°	15180	11272	13546
20°	14884	12815	23137
25°	14270	19660	17679
30°	13535	24158	10932
35°	12761	15916	9458
40°	11287	10854	6596
45°	9555	7161	6353
50°	8836	5400	5764
55°	9218	4527	5443
60°	10142	3842	3883
65°	9082	2849	3528
70°	6425	2996	4167
75°	3695	3340	4457
80°	2332	3696	4278
85°	1261	3952	4207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	3.4
10°-20°	563.5	9.7
20°-30°	1110.3	19.0
30°-40°	1145.6	19.6
40°-50°	962.6	16.5
50°-60°	710.0	12.2
60°-70°	402.6	6.9
70°-80°	289.0	5.0
80°-90°	195.9	3.4
90°-100°	117.0	2.0
100°-110°	61.1	1.0
110°-120°	34.2	0.6
120°-130°	20.0	0.3
130°-140°	13.9	0.2
140°-150°	5.0	0.1
150°-160°	1.4	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	1874.1	32.1
0°-40°	3019.7	51.8
0°-60°	4692.3	80.4
0°-90°	5579.9	95.7
90°-120°	212.4	3.6
90°-150°	251.3	4.3
90°-180°	253.0	4.3
0°-180°	5833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2161	2193	2156	2055	2039	205
15°	2063	1974	1640	1846	2013	582
25°	1833	1636	2831	3179	2638	841
35°	1494	1840	2200	1491	1374	924
45°	976	2457	918	829	869	769
55°	775	1379	517	653	677	700
65°	577	554	276	338	381	559
75°	151	223	256	367	394	181
85°	22	94	213	261	278	28
90°	1	68	170	209	216	2
95°	1	54	133	154	161	1
105°	1	28	70	83	88	1
115°	1	13	38	54	61	1
125°	1	6	22	36	44	1
135°	1	3	17	34	42	1
145°	1	1	6	12	16	1
155°	2	2	3	4	5	1
165°	2	2	2	1	1	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1
1°	2158.2	2156.8	2148.1	2143.7	2143.0	2141.6	2142.3	2143.7	2147.4	2147.4	2164.0
2°	2160.4	2159.7	2153.9	2151.0	2151.0	2151.0	2152.4	2156.8	2159.7	2160.4	2185.8
3°	2161.1	2161.8	2158.2	2156.1	2161.1	2161.1	2163.3	2169.1	2179.2	2182.9	2208.9
4°	2162.6	2165.5	2163.3	2162.6	2172.7	2180.0	2184.3	2192.3	2198.8	2199.5	2209.7
5°	2161.1	2164.7	2164.7	2173.4	2187.2	2193.0	2196.6	2201.7	2191.6	2164.0	2156.1
6°	2159.7	2165.5	2169.1	2185.0	2197.3	2202.4	2203.1	2180.7	2153.9	2122.0	2095.9
7°	2156.1	2161.8	2173.4	2194.5	2202.4	2201.7	2189.4	2143.0	2095.9	2055.4	2043.8
8°	2147.4	2156.1	2179.2	2196.6	2190.8	2168.4	2145.2	2094.5	2050.3	2021.3	2023.5
9°	2137.2	2146.6	2179.2	2191.6	2163.3	2131.4	2102.4	2039.4	2011.2	2006.8	2045.9
10°	2127.1	2142.3	2180.0	2180.7	2119.1	2086.5	2046.7	2003.9	2003.2	2027.1	2069.8
11°	2118.4	2136.5	2175.6	2159.0	2081.4	2045.2	2004.6	1992.3	2020.6	2047.4	2083.6
12°	2106.1	2130.7	2166.2	2130.0	2032.9	1998.1	1977.1	2000.3	2034.3	2059.0	2031.4
13°	2091.6	2119.1	2148.1	2086.5	1993.0	1969.1	1977.1	2015.5	2037.2	2022.7	1900.3
14°	2076.4	2111.9	2126.4	2048.1	1956.8	1962.6	1988.0	2018.4	2022.0	1896.7	1743.1
15°	2063.3	2102.4	2103.2	2005.4	1944.5	1974.2	1993.8	2008.3	1951.0	1775.0	1639.5
16°	2048.1	2092.3	2077.8	1974.9	1956.1	1983.6	1994.5	1982.2	1816.3	1644.6	1588.8
17°	2032.9	2077.8	2045.9	1948.1	1969.9	1985.1	1984.4	1906.8	1716.3	1586.6	1613.4
18°	2015.5	2059.7	2017.0	1929.3	1975.7	1976.4	1959.7	1818.4	1616.3	1575.0	1688.8
19°	1995.9	2038.7	1985.8	1917.7	1968.4	1952.5	1909.0	1719.9	1577.9	1619.2	1774.3
20°	1974.9	2014.8	1957.5	1919.1	1950.3	1914.8	1848.9	1643.1	1575.7	1690.2	1861.9
21°	1948.9	1986.5	1930.7	1926.4	1917.0	1854.7	1772.1	1598.2	1610.5	1756.1	1941.6
22°	1920.6	1956.8	1909.7	1926.4	1866.3	1796.7	1703.3	1580.1	1669.9	1825.0	2020.6
23°	1890.2	1929.3	1890.2	1917.0	1804.0	1732.2	1647.5	1596.0	1712.7	1892.3	2198.1
24°	1862.6	1898.1	1877.1	1894.5	1748.2	1677.9	1612.7	1630.8	1752.5	1968.4	2445.8
25°	1832.9	1868.4	1865.5	1858.3	1697.5	1635.9	1605.4	1659.1	1805.4	2154.6	2831.3
26°	1800.3	1836.6	1854.7	1805.4	1659.1	1614.1	1615.6	1680.1	1876.4	2388.6	3178.3
27°	1765.6	1806.9	1833.7	1747.4	1632.3	1612.0	1636.6	1695.3	2040.9	2755.2	3455.0
28°	1730.8	1772.8	1804.0	1689.5	1616.3	1626.5	1645.3	1727.9	2251.0	3070.3	3593.4
29°	1697.5	1740.9	1770.6	1644.6	1614.1	1644.6	1643.8	1824.2	2577.7	3342.0	3571.7
30°	1667.8	1709.0	1732.2	1614.9	1625.7	1646.7	1643.1	1983.6	2856.6	3481.1	3421.7
32.5°	1583.7	1616.3	1617.0	1588.1	1644.6	1640.9	1770.6	2621.9	3323.2	3343.5	2821.9
35°	1493.9	1504.0	1518.5	1606.9	1656.9	1840.2	2272.7	3037.7	3294.2	2779.8	2199.5
37.5°	1382.3	1380.9	1478.7	1620.7	1902.5	2326.3	2671.9	3103.7	2821.1	2152.4	1656.2
40°	1241.8	1257.7	1471.4	1675.0	2300.2	2535.0	2707.4	2908.8	2187.2	1659.1	1451.1
42.5°	1098.3	1170.8	1471.4	1897.4	2377.7	2507.4	2682.8	2429.2	1732.2	1414.9	1186.7
45°	975.9	1125.1	1482.3	2081.4	2301.7	2457.4	2485.0	1939.4	1435.9	1095.4	917.9
47.5°	885.3	1082.4	1576.5	2009.7	2222.0	2259.7	2156.1	1618.5	1071.5	804.9	719.4
50°	825.9	1031.7	1617.0	1868.4	2056.8	2009.7	1856.8	1193.9	739.7	651.3	657.1
52.5°	794.8	1020.8	1506.2	1736.6	1848.1	1746.7	1464.2	807.8	596.2	583.2	586.8
55°	775.2	988.2	1343.9	1556.2	1586.6	1378.7	1080.9	607.8	510.0	502.8	517.3
57.5°	765.8	895.5	1183.8	1319.3	1246.1	1061.4	820.8	463.7	415.1	429.6	473.1
60°	751.3	798.4	950.5	1037.5	992.5	840.4	622.3	368.8	360.8	387.6	407.2
62.5°	683.2	685.4	665.1	819.4	812.1	681.7	491.9	315.9	302.1	310.1	314.4
65°	576.7	531.8	460.0	673.8	670.1	553.5	391.9	250.7	244.1	262.3	276.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
67.5°	457.9	383.3	344.9	539.0	532.5	438.3	313.7	215.9	228.2	247.0	267.3
70°	336.9	281.8	271.7	424.5	419.5	351.4	263.0	200.0	220.2	239.8	260.8
72.5°	229.7	208.7	213.7	320.2	328.2	281.1	223.1	189.8	207.9	230.4	262.3
75°	151.4	152.9	164.5	235.5	251.4	223.1	188.4	176.8	196.3	223.1	255.7
77.5°	103.6	108.7	122.4	168.8	187.6	173.9	160.1	163.0	184.0	215.2	249.2
80°	68.1	73.2	87.7	119.5	139.1	138.4	137.7	151.4	175.3	208.7	242.0
82.5°	41.3	46.4	60.1	84.8	105.0	111.6	120.3	140.5	169.5	206.5	233.3
85°	21.7	26.8	39.8	60.9	81.9	93.5	105.8	131.9	166.6	198.5	213.0
87.5°	8.7	13.8	26.1	44.2	66.7	79.7	94.2	125.3	161.6	182.6	190.5
90°	1.4	6.5	16.7	33.3	55.1	68.1	84.0	120.3	150.0	159.4	169.5
92.5°	0.7	3.6	11.6	25.4	46.4	60.1	76.8	111.6	131.1	140.5	150.0
95°	0.7	2.2	8.7	20.3	39.8	54.3	70.3	97.8	112.3	121.7	132.6
97.5°	0.7	2.2	6.5	16.7	36.2	49.3	63.0	82.6	94.9	105.8	115.2
100°	0.7	1.4	5.8	14.5	31.9	42.0	52.2	67.4	78.2	89.8	98.5
102.5°	0.7	1.4	5.1	13.0	27.5	35.5	42.7	54.3	65.9	75.3	84.0
105°	0.7	1.4	4.3	11.6	22.5	28.3	34.1	44.9	55.1	63.8	69.6
107.5°	0.7	1.4	3.6	9.4	18.1	23.2	28.3	37.7	46.4	52.9	58.7
110°	0.7	0.7	2.9	8.0	15.2	19.6	23.2	31.2	38.4	44.9	50.0
112.5°	1.4	1.4	2.9	6.5	12.3	15.9	19.6	26.1	32.6	38.4	43.5
115°	1.4	1.4	2.2	5.1	10.1	13.0	15.9	21.7	27.5	33.3	38.4
117.5°	1.4	1.4	2.2	4.3	8.0	10.9	13.0	18.1	23.2	29.0	34.1
120°	1.4	1.4	1.4	3.6	7.2	8.7	10.9	15.2	20.3	25.4	29.7
122.5°	1.4	1.4	1.4	2.9	5.8	7.2	8.7	13.0	17.4	21.7	26.1
125°	1.4	1.4	1.4	2.2	4.3	5.8	7.2	10.9	14.5	18.8	22.5
127.5°	1.4	1.4	1.4	2.2	3.6	5.1	5.8	8.7	12.3	15.2	19.6
130°	1.4	1.4	1.4	1.4	2.9	3.6	5.1	7.2	10.1	13.8	17.4
132.5°	1.4	1.4	1.4	1.4	2.9	3.6	4.3	6.5	10.1	13.0	16.7
135°	1.4	1.4	1.4	1.4	2.2	2.9	4.3	6.5	9.4	13.0	16.7
137.5°	1.4	1.4	1.4	1.4	2.2	2.9	3.6	5.8	8.7	12.3	15.2
140°	1.4	1.4	1.4	1.4	1.4	2.2	2.9	5.1	7.2	9.4	12.3
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.2	3.6	5.1	7.2	9.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	2.2	2.9	3.6	5.1	6.5
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.2	2.9	3.6	5.1
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.9	3.6
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9
155°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: 4SWLED-44HL-LC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1	2140.1
1°	2169.8	2166.9	2164.7	2161.8	2159.0	2158.2	2156.8	2156.1	2150.3	2151.0
2°	2190.8	2193.0	2191.6	2188.7	2190.8	2187.9	2186.5	2183.6	2181.4	2182.1
3°	2216.2	2215.5	2208.9	2201.0	2195.9	2195.9	2185.0	2180.7	2167.6	2179.2
4°	2193.7	2178.5	2153.9	2142.3	2131.4	2130.0	2116.9	2104.6	2098.1	2109.7
5°	2132.9	2110.4	2079.3	2066.9	2054.6	2056.1	2045.2	2037.2	2032.2	2039.4
6°	2072.0	2051.7	2030.0	2017.0	2011.9	2008.3	2006.8	2009.0	2010.4	2009.7
7°	2029.3	2024.9	2022.7	2028.5	2033.6	2033.6	2042.3	2049.6	2051.7	2050.3
8°	2037.2	2051.7	2061.1	2064.8	2065.5	2066.9	2080.7	2080.7	2076.4	2077.8
9°	2069.8	2080.0	2090.1	2077.1	2051.7	2046.7	1998.8	1970.6	1930.7	1942.3
10°	2095.2	2076.4	1998.1	1933.6	1890.2	1875.7	1803.2	1771.4	1730.1	1741.7
11°	2051.7	1950.3	1832.2	1751.8	1710.5	1686.6	1639.5	1619.9	1612.0	1609.8
12°	1890.2	1772.1	1666.3	1619.9	1601.1	1593.9	1588.8	1594.6	1607.6	1611.2
13°	1743.1	1645.3	1596.8	1600.4	1609.8	1621.4	1662.0	1685.9	1709.0	1709.8
14°	1624.3	1594.6	1633.7	1683.0	1711.2	1729.3	1785.8	1825.0	1867.7	1875.7
15°	1593.1	1642.4	1735.1	1810.5	1846.0	1884.4	1959.0	1990.9	2014.8	2013.3
16°	1646.7	1731.5	1860.5	1948.9	1985.1	2010.4	2058.2	2087.2	2115.5	2119.8
17°	1736.6	1866.3	1985.1	2053.2	2079.3	2108.2	2196.6	2257.5	2308.9	2325.6
18°	1830.8	1967.0	2061.1	2171.3	2240.1	2296.6	2419.8	2532.1	2640.0	2660.3
19°	1935.8	2054.6	2211.8	2400.9	2485.7	2612.5	2832.0	2968.9	3078.3	3113.8
20°	2004.6	2192.3	2436.4	2792.1	2911.7	3052.2	3262.3	3366.7	3442.0	3458.7
21°	2125.6	2433.5	2853.0	3204.4	3325.4	3403.6	3542.7	3608.6	3627.5	3652.1
22°	2326.3	2816.1	3247.1	3502.9	3584.0	3628.9	3644.1	3594.9	3550.7	3533.3
23°	2694.3	3192.8	3507.9	3649.9	3642.0	3586.9	3463.0	3346.4	3270.3	3238.4
24°	3094.3	3482.6	3638.3	3518.1	3449.3	3331.9	3173.9	3056.6	2975.4	2936.3
25°	3376.8	3626.0	3494.2	3266.7	3179.0	3057.3	2866.0	2753.8	2674.1	2637.8
26°	3588.4	3556.5	3250.7	2989.9	2887.1	2769.7	2601.6	2538.6	2479.9	2445.1
27°	3607.9	3349.3	2992.1	2704.5	2612.5	2529.2	2403.1	2312.5	2251.0	2218.4
28°	3450.7	3107.3	2716.8	2486.4	2411.8	2310.4	2167.6	2078.5	2035.1	1985.8
29°	3250.0	2829.8	2487.9	2248.1	2166.9	2064.8	1922.8	1805.4	1777.2	1746.7
30°	2980.5	2577.0	2260.4	1993.0	1915.5	1805.4	1696.7	1658.3	1639.5	1615.6
32.5°	2346.6	1941.6	1677.9	1576.5	1553.3	1543.1	1583.0	1589.5	1588.1	1575.0
35°	1756.1	1535.2	1525.8	1510.5	1491.0	1472.1	1435.2	1414.2	1396.1	1373.6
37.5°	1499.7	1438.1	1351.9	1277.3	1243.9	1218.6	1180.2	1159.2	1141.8	1128.7
40°	1314.2	1187.4	1101.2	1049.0	1030.9	1001.2	977.3	964.3	951.2	933.9
42.5°	1060.6	947.6	879.5	842.6	831.7	820.1	829.5	844.7	852.0	860.0
45°	816.5	765.1	781.0	815.0	828.8	843.3	864.3	868.7	870.1	869.4
47.5°	711.4	748.4	767.2	778.1	775.9	781.7	799.1	810.7	817.9	811.4
50°	675.9	681.0	707.1	733.9	738.2	731.0	734.6	744.0	754.2	755.6
52.5°	611.5	633.2	653.5	671.6	687.5	703.5	729.6	742.6	750.6	750.6
55°	549.2	589.0	617.3	642.6	652.8	657.1	670.1	675.2	680.3	676.7
57.5°	510.0	528.9	547.7	544.1	536.1	524.5	531.8	540.5	544.1	541.9
60°	412.2	413.0	415.1	420.9	430.3	439.0	447.7	449.9	453.5	452.8
62.5°	326.0	333.3	344.9	363.7	368.8	368.8	377.5	384.0	386.1	383.3
65°	292.7	307.2	327.5	338.3	338.3	340.5	356.4	375.3	382.5	381.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
67.5°	286.2	311.5	321.7	336.9	348.5	360.1	376.0	386.9	393.4	395.6
70°	290.5	309.4	329.6	350.6	360.1	370.2	389.0	404.3	410.1	410.8
72.5°	289.8	314.4	334.7	360.1	370.9	380.4	394.1	399.9	402.1	402.1
75°	287.6	312.3	340.5	358.6	367.3	376.7	384.7	389.0	392.7	394.1
77.5°	278.2	305.0	318.8	335.4	341.2	345.6	355.7	363.0	368.0	368.8
80°	266.6	278.9	289.1	302.8	307.2	313.7	323.8	328.2	331.8	331.8
82.5°	244.1	252.8	263.7	278.2	286.2	292.7	300.7	303.6	305.7	306.5
85°	220.2	228.9	242.7	255.0	260.8	266.6	273.9	278.2	279.6	278.2
87.5°	198.5	210.8	223.9	233.3	235.5	238.4	244.1	247.8	249.2	250.7
90°	178.9	191.3	201.4	209.4	209.4	212.3	215.2	215.9	214.4	215.9
92.5°	161.6	169.5	175.3	178.9	178.9	181.1	184.7	186.2	185.5	186.2
95°	140.5	146.3	149.2	151.4	153.6	156.5	159.4	160.1	160.1	160.8
97.5°	121.7	126.1	129.0	131.1	131.9	134.0	134.0	134.8	134.8	135.5
100°	105.0	109.4	110.1	109.4	110.1	110.8	111.6	113.0	113.7	114.5
102.5°	89.1	92.7	94.2	94.9	95.6	97.1	98.5	99.3	100.7	100.7
105°	73.9	78.2	81.1	82.6	82.6	84.0	85.5	86.9	87.7	88.4
107.5°	63.0	67.4	71.0	72.4	73.9	74.6	76.1	77.5	78.2	79.0
110°	54.3	58.7	63.0	65.9	66.7	68.1	69.6	71.0	71.7	72.4
112.5°	48.5	52.2	55.8	58.7	60.1	61.6	63.0	64.5	65.9	65.9
115°	42.7	47.1	50.0	52.9	54.3	55.1	57.2	59.4	60.1	60.9
117.5°	38.4	42.0	44.9	47.8	49.3	50.7	52.2	53.6	55.1	55.1
120°	34.1	37.7	40.6	42.7	44.2	44.9	47.1	48.5	49.3	50.0
122.5°	29.7	33.3	35.5	38.4	39.1	40.6	42.7	44.2	44.9	45.6
125°	26.1	29.0	31.9	34.8	35.5	36.9	39.8	41.3	42.7	43.5
127.5°	23.2	26.1	29.7	32.6	34.1	36.2	39.1	41.3	42.7	43.5
130°	21.0	25.4	29.0	32.6	34.8	36.2	39.8	42.7	44.2	44.2
132.5°	21.0	25.4	29.7	33.3	35.5	36.9	40.6	43.5	44.9	45.6
135°	20.3	23.9	28.3	31.9	34.1	35.5	38.4	40.6	42.0	42.0
137.5°	18.1	21.0	23.9	26.8	29.0	30.4	32.6	34.1	35.5	35.5
140°	14.5	16.7	18.8	21.0	22.5	23.9	26.1	26.8	28.3	28.3
142.5°	10.9	12.3	14.5	15.9	16.7	18.1	19.6	21.0	21.7	21.7
145°	8.0	9.4	10.1	11.6	12.3	13.0	14.5	15.2	15.9	15.9
147.5°	5.8	6.5	7.2	8.7	8.7	9.4	10.9	11.6	11.6	11.6
150°	4.3	5.1	5.8	5.8	6.5	6.5	8.0	8.7	8.7	8.7
152.5°	3.6	3.6	4.3	4.3	5.1	5.1	5.8	6.5	6.5	6.5
155°	2.9	2.9	2.9	2.9	3.6	3.6	4.3	4.3	5.1	5.1
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	3.6	3.6
160°	2.2	2.2	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2
162.5°	2.2	1.4	1.4	1.4	0.7	1.4	1.4	1.4	1.4	1.4
165°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P236277

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)