

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: McGRAW-EDISON

Report Number: P92771

Luminaire Tested: **LRC-B32-4-LED-E1-MST**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P92771  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (LM-63-2002)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: LRC-B32-4-LED-E1-MST  
Description: LRC CANOPY LUMINAIRE  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4285 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.9' x H: 0.1')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 45.7  
Input Voltage (V): NR  
Input Current (Ain): 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

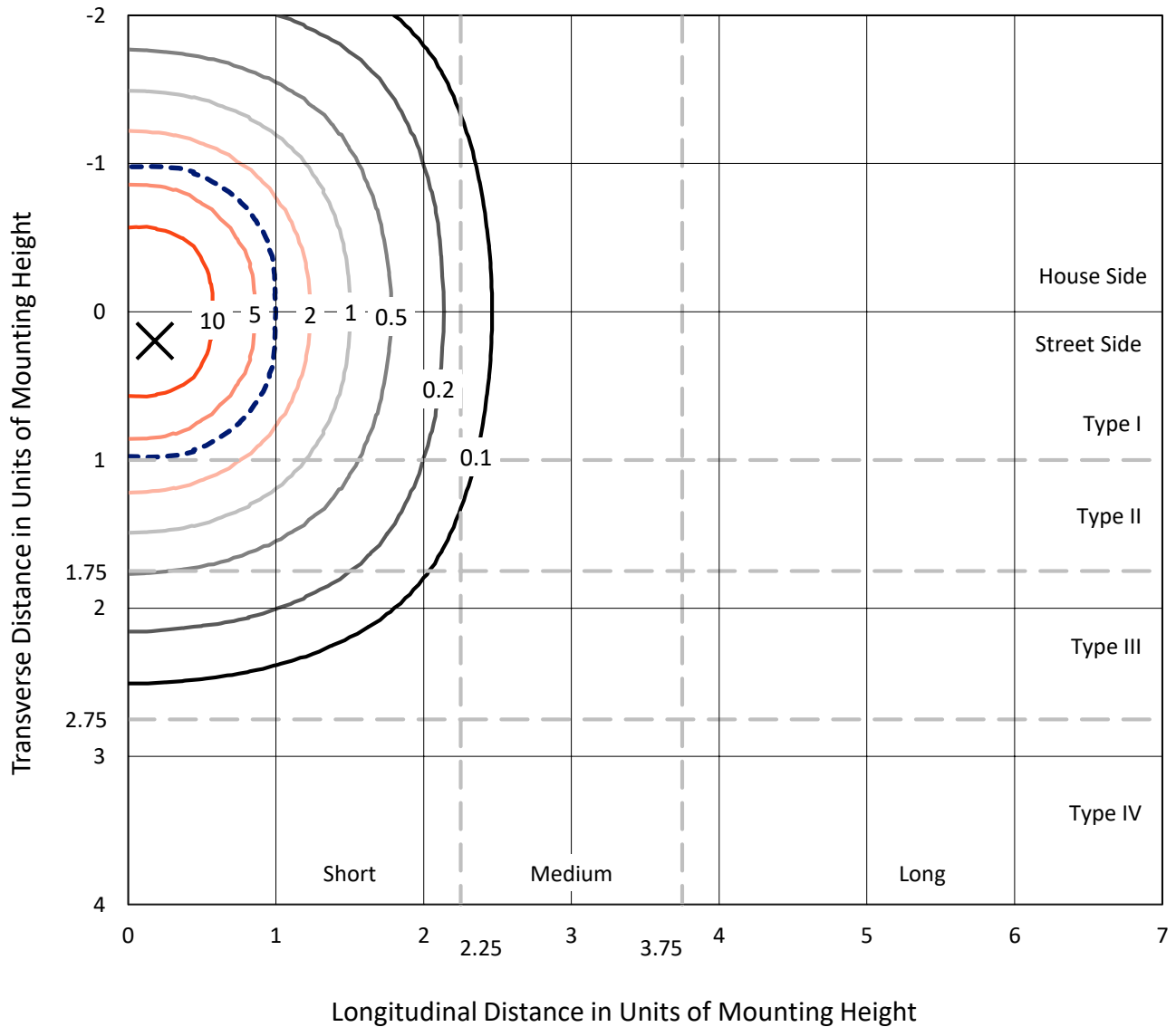


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### Iso-Footcandle Lines of Horizontal Illumination

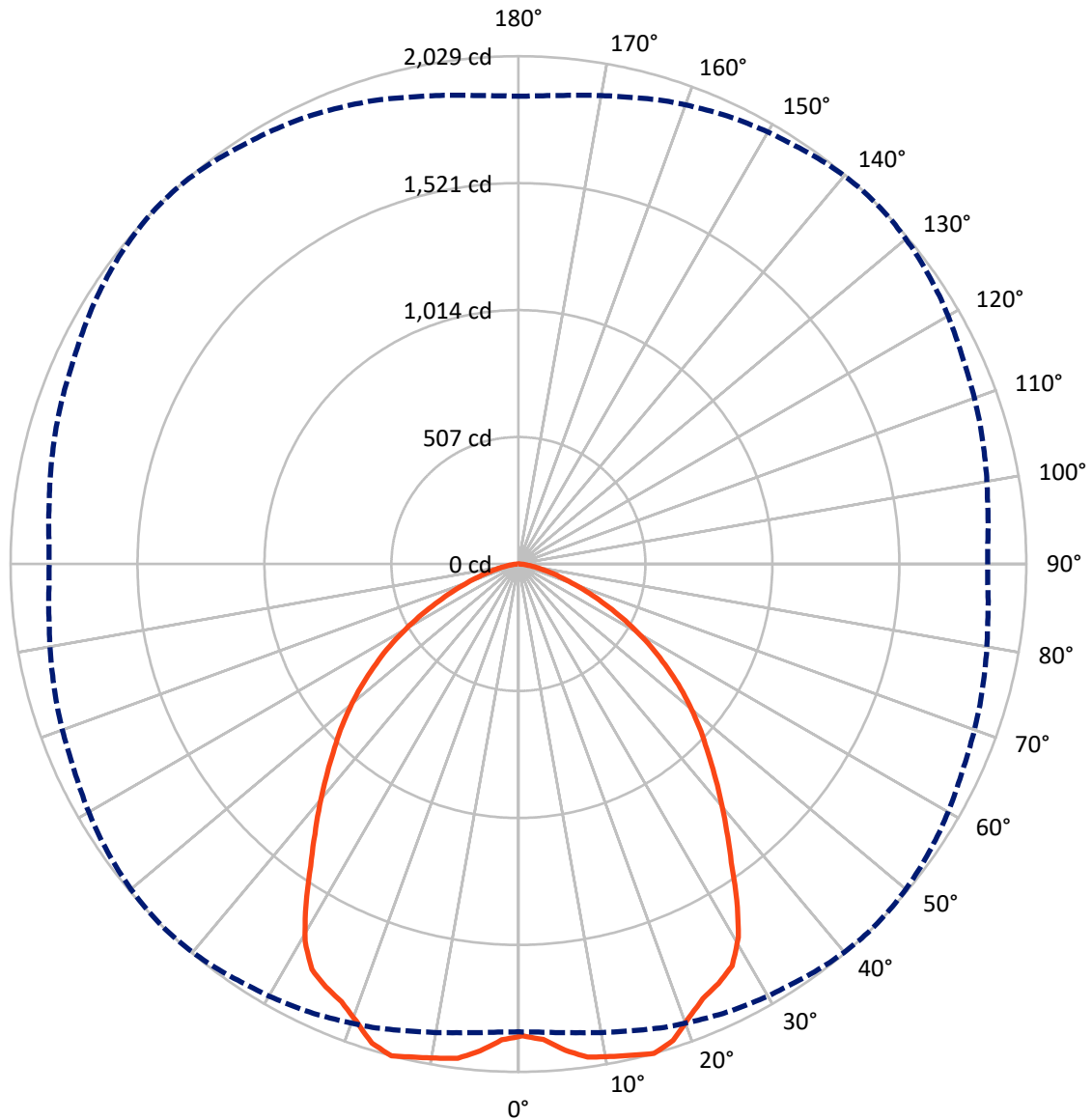
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.1 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral      - - - Horizontal Cone Through 15-Deg Vertical

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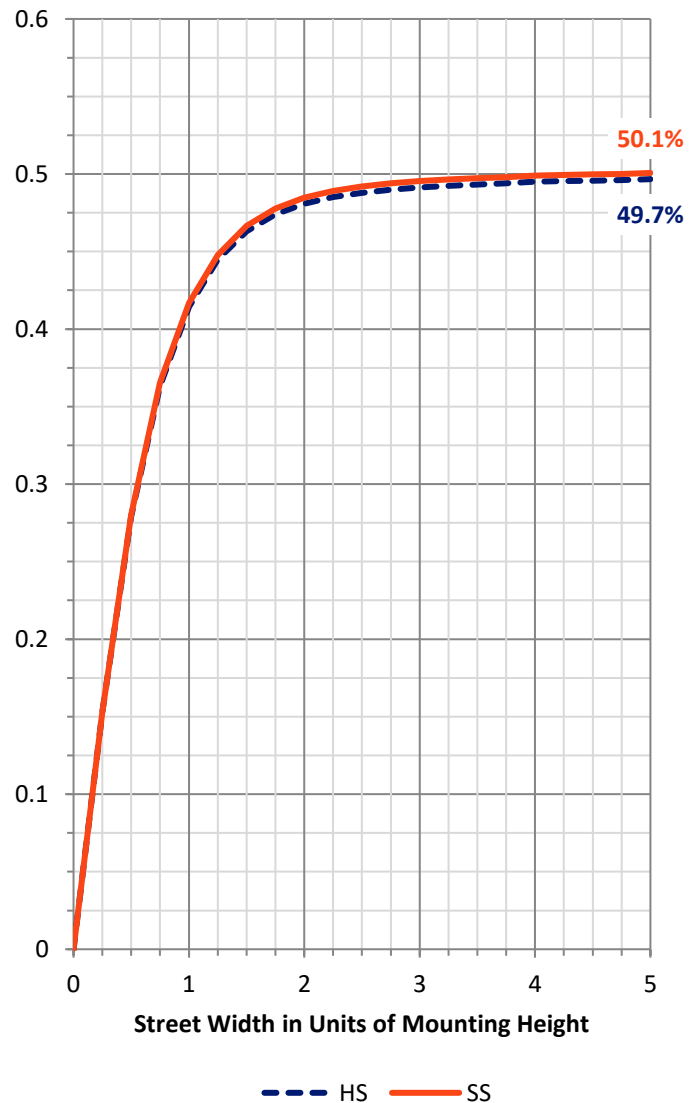
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2142.5	0.0	2142.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2142.5	0.0	2142.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4285.0	0.0	4285.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.2	4.3
10°-20°	549.9	12.8
20°-30°	813.4	19.0
30°-40°	884.3	20.6
40°-50°	796.1	18.6
50°-60°	599.9	14.0
60°-70°	316.3	7.4
70°-80°	116.4	2.7
80°-90°	22.5	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4285.0	100.0
0°-180°	4285.0	100.0



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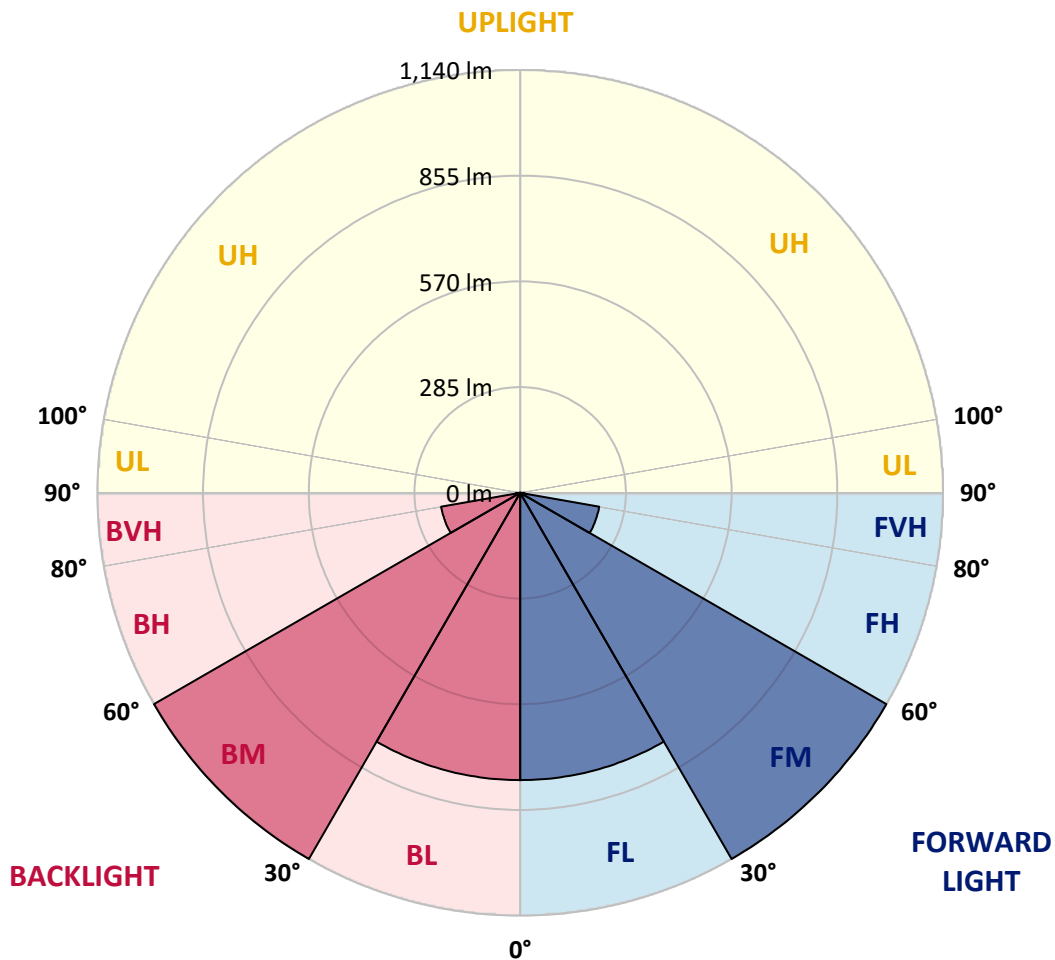
CATALOG NUMBER: LRC-B32-4-LED-E1-MST

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	774.7	18.1			
FM	(30°-60°)	1140.2	26.6			
FH	(60°-80°)	216.3	5.0			G0/660
FVH	(80°-90°)	11.2	0.3			G1/100
BL	(0°-30°)	774.7	18.1	B2/1000		
BM	(30°-60°)	1140.2	26.6	B2/2500		
BH	(60°-80°)	216.3	5.0	B1/500		G0/660
BVH	(80°-90°)	11.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5
2.5°	1894.5	1896.5	1898.1	1897.1	1896.0	1896.5	1896.5	1895.5	1896.5	1896.5	1896.5
5°	1922.7	1924.2	1926.3	1925.8	1927.3	1928.3	1929.8	1929.8	1931.8	1934.3	1936.3
7.5°	1926.8	1927.3	1929.3	1930.8	1932.3	1934.8	1939.4	1942.9	1945.9	1951.4	1957.5
10°	1930.8	1931.3	1933.3	1937.3	1942.9	1948.4	1954.5	1960.0	1965.0	1971.1	1977.6
12.5°	1916.7	1917.7	1919.2	1927.8	1936.3	1947.4	1957.5	1969.1	1977.6	1987.7	1995.8
15°	1868.3	1871.4	1878.4	1888.5	1900.1	1911.7	1925.8	1940.4	1951.4	1963.0	1974.6
17.5°	1832.1	1835.1	1843.7	1855.8	1866.8	1882.9	1895.5	1906.1	1916.2	1926.8	1936.8
20°	1792.8	1795.8	1803.9	1819.0	1834.1	1851.2	1865.8	1875.4	1886.0	1897.1	1907.1
22.5°	1731.9	1736.4	1746.5	1760.6	1778.2	1796.3	1812.4	1824.5	1838.1	1852.7	1865.3
25°	1654.8	1659.9	1669.9	1687.1	1703.7	1719.3	1735.4	1750.5	1766.6	1783.2	1799.4
27.5°	1579.3	1586.8	1596.4	1612.0	1627.6	1641.2	1655.3	1671.4	1688.1	1703.2	1712.2
30°	1501.7	1506.3	1518.3	1534.0	1548.6	1563.7	1579.8	1594.4	1605.5	1615.5	1619.1
32.5°	1420.1	1423.7	1433.7	1448.3	1462.9	1479.1	1495.2	1507.3	1515.3	1519.4	1521.9
35°	1335.0	1339.6	1346.6	1357.2	1373.8	1389.9	1403.0	1414.6	1420.6	1423.7	1429.2
37.5°	1246.4	1250.4	1256.0	1267.6	1283.2	1297.8	1311.4	1317.4	1320.9	1328.0	1337.6
40°	1155.3	1158.3	1164.8	1173.9	1188.0	1200.6	1210.6	1217.2	1226.8	1234.8	1244.4
42.5°	1069.6	1070.1	1072.7	1080.7	1093.8	1102.4	1110.4	1117.5	1127.1	1136.1	1143.7
45°	974.5	979.5	981.5	986.5	994.6	1002.7	1010.2	1019.8	1028.8	1036.9	1043.5
47.5°	887.3	889.9	890.4	897.4	902.4	908.0	917.1	925.1	933.7	942.2	944.2
50°	803.7	801.2	803.2	807.8	811.8	815.8	826.9	832.9	840.5	845.5	850.6
52.5°	715.6	713.1	712.6	719.6	723.2	728.7	734.7	742.3	750.4	755.4	760.9
55°	620.9	620.4	620.4	625.0	629.0	635.0	642.6	648.6	656.7	662.7	669.3
57.5°	527.3	527.3	528.8	529.3	534.8	539.9	543.9	552.9	561.5	569.6	576.6
60°	436.1	437.1	434.1	438.6	442.2	446.2	451.2	458.8	466.8	474.9	484.5
62.5°	347.5	349.5	350.0	349.0	355.5	358.6	364.1	369.6	377.2	386.3	393.8
65°	269.9	271.4	274.5	271.9	277.0	281.0	287.1	293.6	300.6	308.7	315.3
67.5°	210.5	212.0	213.0	212.5	217.6	219.1	223.6	229.1	235.2	241.7	248.8
70°	164.2	165.7	165.7	166.2	169.2	170.2	173.7	177.8	181.8	187.3	192.4
72.5°	126.9	128.4	128.9	130.4	131.4	131.9	134.0	137.0	139.5	142.5	146.0
75°	96.2	97.2	97.7	97.7	99.2	100.2	101.7	103.7	104.7	107.3	109.3
77.5°	70.5	71.5	72.0	72.5	73.0	73.0	74.0	75.5	76.5	78.1	79.1
80°	49.4	49.4	49.9	50.4	50.9	50.9	52.4	52.4	52.9	53.9	54.4
82.5°	31.2	31.2	31.7	31.7	32.2	32.2	33.2	32.7	33.2	33.7	33.7
85°	16.6	16.6	17.1	17.1	17.6	17.1	17.6	17.1	17.1	17.1	17.1
87.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
90°	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):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5
2.5°	1897.1	1896.5	1898.1	1898.6	1898.6	1898.6	1901.6	1902.1	1903.1	1903.6	1904.6
5°	1938.3	1940.4	1942.4	1945.4	1945.9	1947.4	1950.9	1951.4	1952.9	1954.0	1954.0
7.5°	1961.5	1967.6	1971.1	1977.1	1980.1	1983.7	1988.7	1991.2	1992.7	1993.7	1992.7
10°	1982.7	1989.2	1992.7	1995.8	1998.3	2000.3	2000.8	2000.8	1999.8	1999.8	1997.8
12.5°	2000.3	2004.8	2006.8	2007.8	2010.4	2012.9	2013.4	2014.9	2014.9	2013.9	2011.9
15°	1983.7	1992.7	1999.8	2008.8	2017.9	2024.5	2028.5	2028.5	2026.0	2020.4	2012.9
17.5°	1948.4	1961.5	1970.6	1981.7	1993.2	1998.8	2000.8	2000.8	1996.8	1990.2	1978.1
20°	1917.7	1929.3	1935.8	1940.4	1943.4	1941.9	1937.8	1935.3	1934.3	1934.3	1932.3
22.5°	1879.4	1888.0	1892.0	1891.5	1889.5	1885.5	1885.5	1889.5	1893.5	1896.0	1899.1
25°	1812.4	1821.0	1824.0	1829.1	1836.1	1846.2	1855.8	1864.3	1869.9	1867.8	1863.8
27.5°	1719.3	1726.8	1735.9	1756.5	1779.2	1801.4	1817.5	1828.6	1830.1	1819.0	1801.4
30°	1623.1	1634.2	1648.8	1674.0	1699.6	1716.3	1730.9	1730.4	1728.3	1717.3	1699.6
32.5°	1530.4	1546.0	1564.2	1582.8	1595.4	1600.9	1601.4	1589.4	1586.8	1581.8	1573.2
35°	1441.8	1455.4	1468.0	1473.0	1475.0	1469.5	1464.0	1461.9	1455.4	1454.9	1451.9
37.5°	1349.1	1355.2	1357.7	1356.7	1354.7	1348.6	1350.6	1350.6	1345.1	1343.6	1344.1
40°	1251.4	1250.9	1247.4	1244.4	1241.9	1244.4	1246.9	1242.4	1244.4	1243.4	1242.9
42.5°	1146.2	1144.2	1141.7	1141.2	1142.2	1142.7	1147.7	1151.7	1147.7	1149.2	1149.2
45°	1044.5	1043.5	1045.0	1047.5	1050.5	1050.5	1055.0	1057.1	1057.1	1059.6	1058.6
47.5°	948.3	952.3	954.8	959.4	962.9	964.4	971.9	975.5	975.0	974.5	971.9
50°	858.1	863.2	865.7	872.2	875.8	879.3	885.3	888.3	885.8	885.3	883.8
52.5°	768.0	773.0	781.1	785.6	789.6	793.7	799.7	804.2	802.2	802.2	798.7
55°	678.3	686.4	692.9	698.0	701.5	707.6	710.6	714.6	716.6	716.1	713.6
57.5°	586.7	594.2	601.3	608.8	615.4	624.0	627.5	629.0	629.5	631.0	626.5
60°	493.5	502.6	511.2	518.7	524.2	533.8	536.3	543.9	542.9	539.9	533.3
62.5°	402.9	410.9	419.5	428.6	438.6	443.7	449.7	454.2	453.7	450.2	444.2
65°	324.3	330.9	338.9	346.0	355.0	361.1	367.1	368.6	367.1	363.6	356.0
67.5°	255.8	263.4	269.4	276.0	284.5	288.6	292.1	291.6	291.6	287.6	281.0
70°	198.4	204.0	210.0	214.5	221.6	223.6	226.6	226.6	225.1	222.1	217.6
72.5°	150.6	154.1	160.1	163.2	167.2	169.7	170.7	171.2	169.2	166.2	162.7
75°	111.8	114.3	117.8	119.4	121.4	123.4	123.9	124.4	122.4	120.9	117.8
77.5°	80.6	82.6	84.6	84.1	85.6	86.6	86.6	86.1	85.6	84.6	82.6
80°	55.4	54.9	56.4	55.9	57.4	57.9	57.9	57.9	57.4	56.4	54.9
82.5°	33.7	33.7	34.7	35.3	35.8	36.3	36.3	36.3	35.8	35.3	34.2
85°	17.6	18.1	18.6	19.1	19.1	19.6	19.6	19.6	19.6	19.1	18.6
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
90°	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):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5	1884.5
2.5°	1904.6	1902.6	1901.6	1901.6	1900.6	1900.1	1901.1	1900.6	1901.6	1901.6	1901.1
5°	1954.5	1951.9	1949.9	1949.9	1947.4	1947.4	1947.4	1945.9	1944.9	1945.9	1944.9
7.5°	1990.2	1988.7	1985.2	1982.2	1978.1	1976.1	1973.1	1970.1	1966.5	1964.0	1962.0
10°	1998.3	1997.3	1995.8	1993.7	1990.7	1986.7	1983.7	1979.1	1974.1	1969.6	1967.1
12.5°	2009.9	2007.8	2004.3	1999.3	1994.7	1988.7	1981.2	1972.1	1964.5	1958.0	1952.4
15°	2003.3	1993.7	1981.7	1969.1	1956.5	1946.9	1938.3	1929.3	1919.2	1909.6	1900.1
17.5°	1966.5	1955.0	1941.4	1928.3	1916.7	1905.6	1897.6	1890.0	1881.4	1871.4	1861.8
20°	1930.8	1925.3	1914.2	1904.1	1896.5	1884.5	1872.9	1865.3	1858.8	1852.2	1841.2
22.5°	1901.1	1900.6	1893.5	1882.9	1870.9	1856.8	1841.2	1826.0	1813.5	1802.4	1790.3
25°	1860.3	1850.7	1836.1	1821.5	1807.9	1790.3	1771.2	1751.5	1734.9	1720.8	1706.7
27.5°	1781.2	1758.1	1740.9	1725.8	1710.2	1695.1	1679.0	1663.4	1647.8	1634.2	1621.6
30°	1675.5	1650.8	1634.2	1621.1	1611.0	1602.4	1593.4	1580.8	1567.7	1555.1	1543.0
32.5°	1562.2	1548.6	1533.5	1523.4	1514.8	1509.8	1505.8	1498.7	1487.1	1474.0	1460.4
35°	1450.9	1448.3	1443.3	1436.8	1429.2	1422.2	1417.6	1410.6	1400.5	1385.4	1371.8
37.5°	1346.1	1347.1	1348.1	1343.6	1338.1	1330.5	1324.0	1315.9	1304.8	1290.2	1277.1
40°	1243.4	1246.9	1250.4	1251.9	1248.4	1240.4	1231.3	1221.2	1209.1	1196.5	1184.0
42.5°	1147.7	1149.7	1151.2	1153.2	1153.2	1144.2	1135.6	1123.5	1114.0	1105.4	1094.8
45°	1057.1	1055.0	1057.1	1057.6	1055.5	1050.5	1040.9	1031.4	1023.8	1016.3	1008.2
47.5°	969.4	968.4	967.4	966.4	962.9	954.8	950.3	943.2	936.7	931.2	926.6
50°	883.8	883.3	879.8	877.8	872.7	868.2	861.7	855.6	849.6	844.0	839.0
52.5°	799.2	797.2	794.2	788.1	783.1	780.6	774.0	768.0	760.4	754.4	750.4
55°	710.6	709.6	704.5	700.0	694.0	684.9	677.3	672.8	666.3	657.2	651.7
57.5°	619.9	615.9	610.9	605.3	597.3	587.2	579.6	570.1	565.0	559.0	554.5
60°	529.8	522.7	514.7	507.1	498.6	489.0	480.9	472.9	465.3	462.3	457.3
62.5°	435.6	429.1	420.5	410.9	402.9	392.8	386.3	378.2	371.7	366.1	361.1
65°	348.5	340.9	332.9	322.8	313.2	303.2	296.6	287.6	280.0	272.4	267.9
67.5°	272.4	264.4	256.3	245.8	237.7	229.1	223.1	215.0	208.5	203.5	200.4
70°	208.0	200.9	193.4	185.3	179.3	172.7	168.2	163.2	159.6	156.1	154.1
72.5°	156.1	151.6	144.5	139.0	134.5	130.4	127.9	124.9	122.9	120.4	118.8
75°	112.8	110.3	107.3	104.2	101.2	98.2	96.2	94.7	92.7	91.2	91.2
77.5°	81.1	79.6	77.6	75.0	73.5	72.0	70.0	69.5	68.5	67.5	67.0
80°	54.4	53.4	52.4	51.4	50.4	49.4	48.3	47.8	46.8	47.3	46.3
82.5°	33.7	32.7	32.2	31.7	31.2	31.2	30.7	30.2	29.7	30.2	29.7
85°	18.1	17.6	17.1	16.6	16.1	16.1	16.1	16.1	16.1	16.6	16.1
87.5°	7.1	7.1	7.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
90°	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):**

	82.5°	85°	87.5°	90°
0°	1884.5	1884.5	1884.5	1884.5
2.5°	1902.1	1901.6	1901.1	1902.6
5°	1944.4	1942.9	1942.4	1942.9
7.5°	1959.5	1956.0	1954.5	1954.0
10°	1962.5	1959.0	1957.0	1957.5
12.5°	1943.9	1936.3	1932.3	1931.8
15°	1890.0	1883.5	1876.4	1873.9
17.5°	1853.2	1844.2	1839.1	1836.6
20°	1830.6	1821.0	1815.5	1814.0
22.5°	1779.2	1767.1	1757.6	1753.5
25°	1694.6	1680.0	1672.4	1669.9
27.5°	1610.0	1598.9	1589.4	1587.8
30°	1531.9	1520.4	1510.3	1505.3
32.5°	1447.8	1434.7	1424.7	1425.7
35°	1356.2	1344.1	1336.5	1339.1
37.5°	1264.0	1252.9	1246.4	1249.4
40°	1173.4	1165.3	1161.3	1159.3
42.5°	1086.8	1082.2	1079.2	1080.2
45°	1001.7	997.6	995.6	998.6
47.5°	922.1	915.0	913.5	916.0
50°	835.5	830.9	830.9	830.9
52.5°	745.8	744.3	745.3	744.3
55°	647.1	644.1	643.6	646.6
57.5°	549.9	549.9	548.9	548.9
60°	452.7	452.2	453.7	452.7
62.5°	354.5	352.0	352.0	351.5
65°	262.4	258.8	259.4	258.3
67.5°	196.9	194.4	193.4	192.9
70°	153.1	149.6	149.6	149.6
72.5°	118.3	116.8	115.8	115.8
75°	89.6	89.1	88.6	87.6
77.5°	66.0	65.5	65.0	64.5
80°	45.8	45.8	45.3	45.3
82.5°	29.2	29.2	28.7	28.7
85°	16.1	15.6	15.6	15.6
87.5°	6.5	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0

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