

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: LUMARK

Report Number: P208568

Luminaire Tested: **XTOR4B-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P208568  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27503)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR4B-W  
Description: CROSSTOUR 38W WALL MOUNT LED  
  
Light Source: EATON LED 4000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

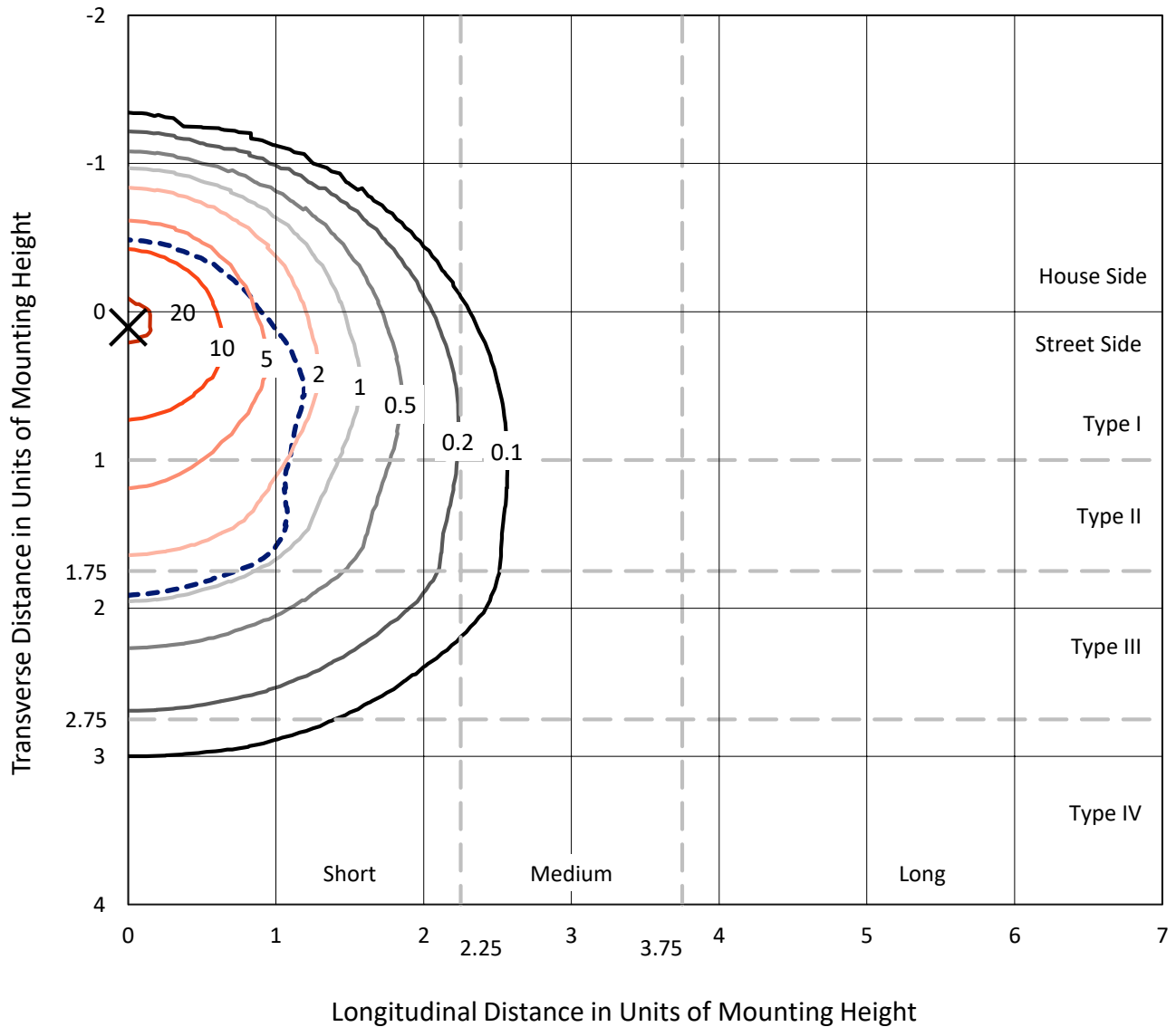
Lumens per Lamp: N/A  
Luminaire Lumens: 4205.3 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Luminous Opening: Rectangular (W 0.19' x L: 0.52' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 37.7  
Input Voltage (V): NR  
Input 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

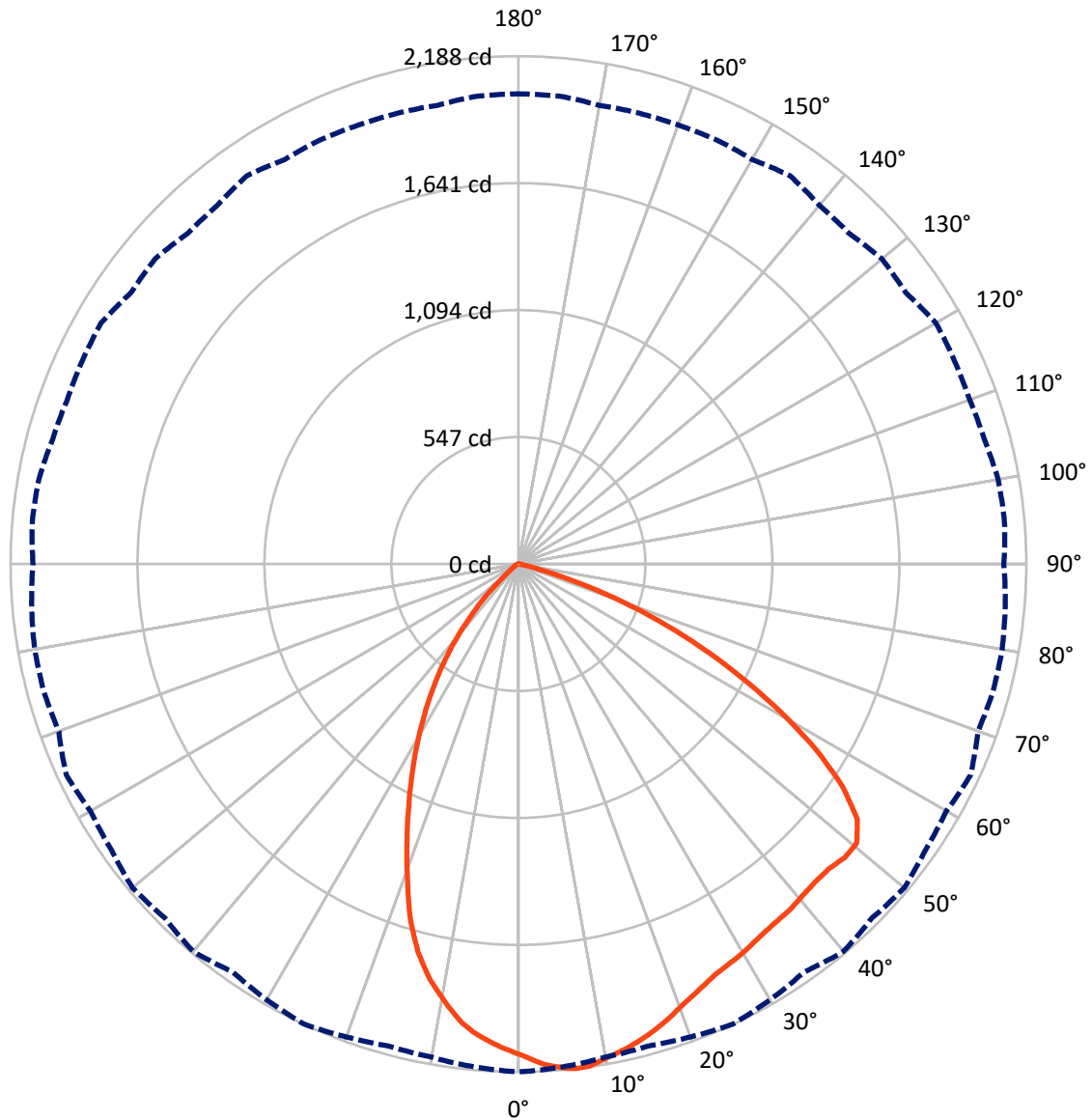
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.4 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 6-Deg Vertical

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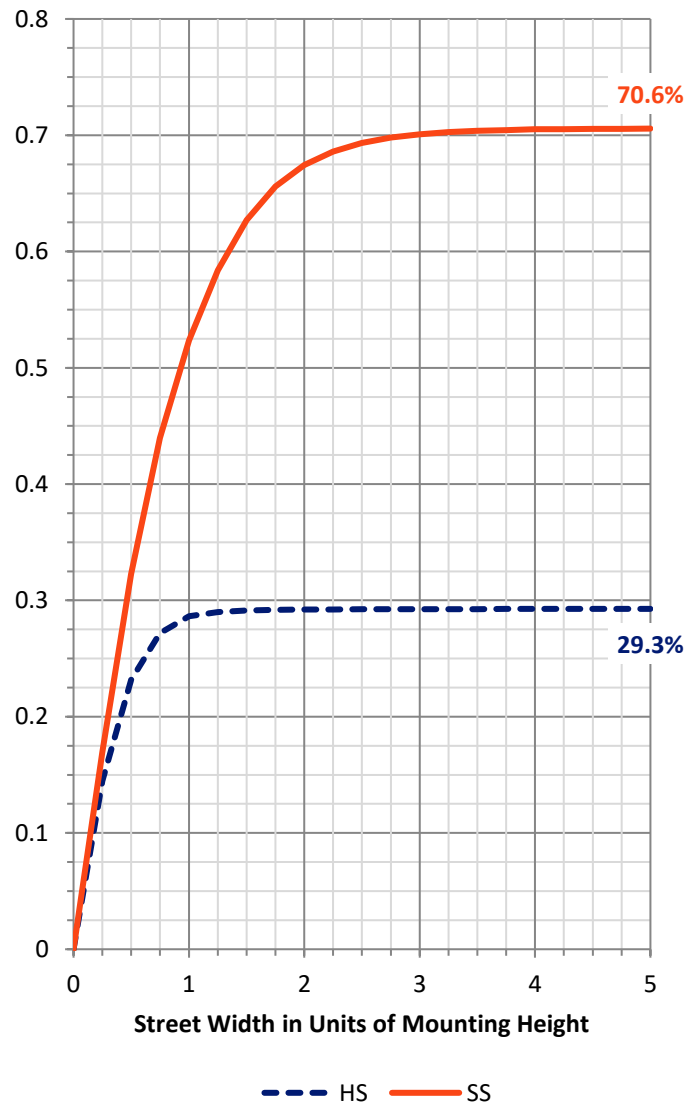
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1242.3	0.0	1242.3
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	2963.0	0.0	2963.0
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	4205.3	0.0	4205.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.7	4.7
10°-20°	548.2	13.0
20°-30°	767.6	18.3
30°-40°	846.5	20.1
40°-50°	790.0	18.8
50°-60°	616.8	14.7
60°-70°	349.7	8.3
70°-80°	84.8	2.0
80°-90°	3.1	0.1
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°	4205.3	100.0
0°-180°	4205.3	100.0

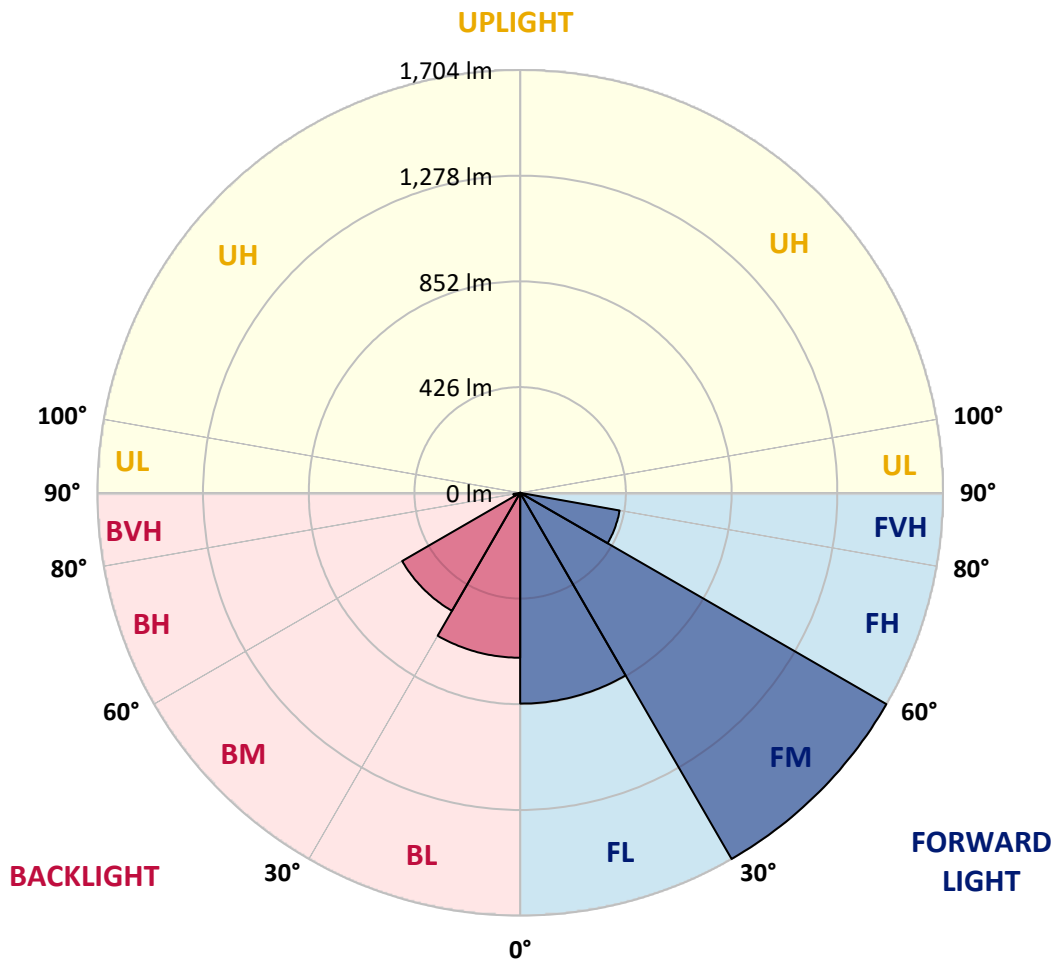


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	849.7	20.2			
FM	(30°-60°)	1704.0	40.5			
FH	(60°-80°)	407.0	9.7			G0/660
FVH	(80°-90°)	2.3	0.1			G0/10
BL	(0°-30°)	664.7	15.8	B2/1000		
BM	(30°-60°)	549.3	13.1	B1/1000		
BH	(60°-80°)	27.4	0.7	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1
2.5°	2159.4	2146.6	2128.9	2123.0	2141.7	2157.5	2141.7	2124.0	2156.5	2135.8	2152.6
5°	2183.1	2172.3	2152.6	2144.7	2164.4	2183.1	2163.4	2143.7	2177.2	2153.5	2169.3
6°	2188.0	2175.2	2157.5	2150.6	2168.3	2187.0	2168.3	2145.7	2179.2	2155.5	2170.3
7.5°	2185.1	2170.3	2152.6	2145.7	2164.4	2181.1	2163.4	2142.7	2175.2	2151.6	2166.3
10°	2157.5	2145.7	2131.9	2126.9	2144.7	2162.4	2143.7	2122.0	2157.5	2135.8	2147.6
12.5°	2133.8	2121.0	2106.3	2101.3	2123.0	2147.6	2131.9	2110.2	2146.6	2123.0	2135.8
15°	2103.3	2091.5	2083.6	2080.6	2104.3	2134.8	2124.0	2105.3	2142.7	2120.0	2131.9
17.5°	2066.8	2056.0	2047.1	2049.1	2073.7	2107.2	2099.4	2082.6	2127.9	2107.2	2123.0
20°	2025.5	2015.6	2003.8	2003.8	2031.4	2069.8	2067.8	2056.0	2105.3	2088.5	2104.3
22.5°	1993.0	1979.2	1966.4	1963.4	1980.2	2018.6	2019.6	2012.7	2065.9	2054.0	2075.7
25°	1962.4	1950.6	1941.7	1935.8	1952.6	1984.1	1985.1	1978.2	2035.3	2025.5	2048.1
27.5°	1945.7	1935.8	1920.1	1917.1	1931.9	1960.4	1958.5	1949.6	2004.8	2002.8	2023.5
30°	1930.9	1916.1	1902.3	1894.4	1905.3	1936.8	1931.9	1914.1	1967.3	1967.3	1994.9
32.5°	1912.2	1900.4	1885.6	1876.7	1882.6	1908.2	1902.3	1875.7	1918.1	1919.1	1950.6
35°	1900.4	1888.5	1874.7	1860.9	1863.9	1885.6	1874.7	1843.2	1875.7	1867.8	1902.3
37.5°	1894.4	1881.6	1865.9	1849.1	1849.1	1862.9	1844.2	1809.7	1836.3	1812.7	1838.3
40°	1881.6	1868.8	1851.1	1830.4	1824.5	1832.4	1810.7	1769.3	1788.0	1754.6	1768.3
42.5°	1873.8	1858.0	1840.3	1813.7	1797.9	1801.8	1769.3	1719.1	1729.9	1690.5	1686.6
45°	1873.8	1853.1	1830.4	1797.9	1772.3	1763.4	1724.0	1661.0	1661.0	1612.7	1597.9
47.5°	1890.5	1865.9	1835.3	1792.0	1741.7	1720.1	1668.8	1595.0	1579.2	1525.0	1499.4
50°	1889.5	1869.8	1840.3	1793.0	1726.0	1670.8	1599.9	1511.2	1479.7	1419.6	1379.2
52.5°	1827.5	1807.8	1785.1	1753.6	1697.4	1632.4	1530.9	1415.7	1364.4	1296.5	1246.2
55°	1695.4	1682.6	1668.8	1641.3	1600.9	1565.4	1465.9	1319.1	1249.2	1165.4	1109.3
57.5°	1515.2	1508.3	1496.4	1477.7	1454.1	1435.4	1376.3	1248.2	1136.9	1036.4	983.2
60°	1303.4	1296.5	1287.6	1279.7	1265.9	1267.9	1246.2	1163.5	1062.0	931.0	868.9
62.5°	1082.7	1074.8	1071.8	1061.0	1063.0	1074.8	1074.8	1034.4	983.2	853.1	760.5
65°	865.0	861.0	863.0	864.0	858.1	867.9	872.8	862.0	856.1	784.2	664.0
67.5°	650.2	649.2	658.1	658.1	666.9	679.8	678.8	666.9	692.6	670.9	592.1
70°	438.4	440.4	444.3	456.1	471.9	481.7	490.6	497.5	501.4	513.3	492.6
72.5°	243.3	247.3	255.2	277.8	288.6	303.4	314.3	327.1	334.0	347.8	350.7
75°	97.5	101.5	109.4	120.2	131.0	152.7	160.6	176.3	190.1	199.0	203.9
77.5°	23.6	25.6	27.6	31.5	35.5	46.3	53.2	66.0	76.8	84.7	94.6
80°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	12.8	14.8	19.7	22.7
82.5°	5.9	4.9	4.9	5.9	5.9	4.9	5.9	4.9	4.9	4.9	4.9
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
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°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1
2.5°	2126.9	2118.1	2140.7	2104.3	2116.1	2120.0	2112.2	2099.4	2117.1	2119.1	2098.4
5°	2142.7	2128.9	2150.6	2109.2	2120.0	2121.0	2108.2	2095.4	2109.2	2104.3	2086.5
6°	2142.7	2128.9	2149.6	2107.2	2117.1	2116.1	2105.3	2091.5	2102.3	2098.4	2077.7
7.5°	2136.8	2123.0	2143.7	2099.4	2108.2	2106.3	2092.5	2076.7	2086.5	2082.6	2059.9
10°	2119.1	2104.3	2124.0	2078.7	2084.6	2078.7	2061.9	2043.2	2050.1	2042.2	2017.6
12.5°	2102.3	2090.5	2105.3	2058.0	2060.9	2052.1	2031.4	2009.7	2013.6	2002.8	1973.3
15°	2099.4	2085.6	2098.4	2051.1	2050.1	2036.3	2009.7	1982.1	1978.2	1963.4	1928.9
17.5°	2088.5	2072.8	2082.6	2029.4	2026.5	2010.7	1979.2	1947.6	1934.8	1912.2	1868.8
20°	2070.8	2054.0	2059.0	2002.8	1993.9	1973.3	1936.8	1900.4	1880.7	1852.1	1798.9
22.5°	2042.2	2029.4	2034.3	1972.3	1954.5	1926.0	1886.6	1842.2	1815.6	1777.2	1720.1
25°	2014.6	2002.8	2003.8	1938.8	1917.1	1876.7	1829.4	1778.2	1744.7	1701.4	1635.3
27.5°	1989.0	1970.3	1971.3	1902.3	1873.8	1823.5	1766.4	1703.3	1664.9	1612.7	1537.8
30°	1959.5	1936.8	1927.0	1857.0	1817.6	1759.5	1689.5	1616.6	1564.4	1500.4	1424.5
32.5°	1919.1	1896.4	1877.7	1801.8	1754.6	1682.6	1597.9	1516.1	1450.1	1377.2	1298.4
35°	1873.8	1849.1	1826.5	1740.8	1683.6	1598.9	1501.4	1404.8	1331.9	1259.0	1181.2
37.5°	1818.6	1794.0	1768.3	1672.8	1607.8	1508.3	1397.9	1290.5	1214.7	1147.7	1067.9
40°	1746.7	1722.0	1693.5	1595.0	1521.1	1404.8	1281.7	1175.3	1105.3	1037.4	960.5
42.5°	1659.0	1640.3	1606.8	1503.3	1416.6	1295.5	1166.4	1064.0	1000.9	932.0	860.0
45°	1558.5	1539.8	1503.3	1396.0	1299.4	1178.2	1052.1	961.5	898.5	830.5	761.5
47.5°	1439.3	1422.6	1378.2	1278.7	1182.2	1062.0	942.8	860.0	795.0	733.9	666.0
50°	1309.3	1285.6	1247.2	1150.7	1064.9	949.7	837.4	763.5	699.5	637.4	571.4
52.5°	1170.4	1137.8	1109.3	1035.4	953.6	844.3	738.9	667.9	604.9	542.8	476.8
55°	1034.4	1000.9	976.3	916.2	842.3	738.9	640.3	572.4	509.3	447.3	384.2
57.5°	911.3	875.8	848.2	797.0	730.0	631.5	542.8	475.8	412.8	354.7	292.6
60°	800.9	758.6	722.1	673.8	613.7	524.1	445.3	382.2	321.2	264.0	207.9
62.5°	697.5	645.3	601.9	547.7	496.5	417.7	351.7	289.6	234.5	181.3	132.0
65°	582.2	536.9	487.6	429.5	384.2	318.2	263.0	206.9	154.7	109.4	69.9
67.5°	484.7	434.5	383.2	330.0	279.8	230.5	180.3	130.0	87.7	54.2	29.6
70°	397.0	332.0	285.7	237.4	195.1	150.7	108.4	69.0	39.4	21.7	17.7
72.5°	318.2	243.3	202.9	157.6	121.2	82.8	50.2	27.6	15.8	13.8	16.7
75°	209.8	166.5	124.1	91.6	61.1	35.5	18.7	11.8	11.8	12.8	16.7
77.5°	97.5	94.6	69.0	42.4	22.7	12.8	9.9	8.9	8.9	8.9	11.8
80°	28.6	26.6	23.6	14.8	8.9	6.9	6.9	5.9	4.9	5.9	4.9
82.5°	4.9	4.9	5.9	4.9	4.9	4.9	3.9	3.0	3.0	2.0	2.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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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 CATALOG NUMBER: XTOR4B-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1	2117.1
2.5°	2092.5	2099.4	2107.2	2071.8	2079.7	2053.1	2058.0	2085.6	2057.0	2062.9	2059.9
5°	2076.7	2081.6	2085.6	2049.1	2056.0	2028.4	2031.4	2056.0	2028.4	2031.4	2029.4
6°	2068.8	2072.8	2076.7	2037.3	2044.2	2014.6	2017.6	2041.2	2012.7	2016.6	2012.7
7.5°	2047.1	2050.1	2050.1	2012.7	2019.6	1989.0	1988.0	2011.7	1983.1	1987.0	1980.2
10°	1998.9	1998.9	1994.9	1952.6	1955.5	1923.0	1921.0	1941.7	1913.2	1914.1	1905.3
12.5°	1953.6	1951.6	1941.7	1895.4	1894.4	1860.0	1852.1	1866.9	1835.3	1832.4	1821.5
15°	1902.3	1897.4	1881.6	1835.3	1828.4	1787.1	1775.2	1783.1	1744.7	1740.8	1728.0
17.5°	1838.3	1826.5	1803.8	1753.6	1737.8	1691.5	1670.8	1671.8	1630.4	1621.6	1604.8
20°	1758.5	1737.8	1705.3	1650.1	1625.5	1572.3	1544.7	1537.8	1490.5	1476.7	1456.1
22.5°	1669.8	1638.3	1595.0	1530.9	1500.4	1438.3	1406.8	1392.0	1341.8	1325.0	1303.4
25°	1575.3	1535.8	1481.7	1407.8	1367.4	1300.4	1265.9	1250.2	1200.9	1184.2	1163.5
27.5°	1471.8	1428.5	1366.4	1285.6	1237.3	1174.3	1138.8	1114.2	1074.8	1055.1	1034.4
30°	1355.6	1310.2	1248.2	1168.4	1121.1	1059.0	1018.6	995.0	951.7	932.9	912.2
32.5°	1237.3	1186.1	1118.1	1051.2	1006.8	945.7	905.4	885.7	847.2	815.7	795.0
35°	1108.3	1059.0	995.0	931.0	887.6	833.4	799.9	773.3	726.1	705.4	683.7
37.5°	999.9	946.7	886.6	819.6	774.3	720.1	687.6	656.1	628.5	597.0	574.3
40°	896.5	843.3	782.2	716.2	669.9	615.7	580.3	546.8	513.3	486.7	464.0
42.5°	798.0	744.8	683.7	616.7	569.4	514.2	477.8	439.4	410.8	377.3	354.7
45°	700.4	647.2	581.2	520.2	469.9	414.7	371.4	336.9	300.5	272.9	253.2
47.5°	604.9	547.7	492.6	424.6	372.4	321.2	274.9	242.3	210.8	181.3	163.5
50°	509.3	454.2	393.1	330.0	277.8	224.6	188.2	156.6	126.1	105.4	91.6
52.5°	416.7	360.6	300.5	238.4	189.1	147.8	114.3	89.6	69.0	53.2	45.3
55°	325.1	270.9	211.8	156.6	115.3	86.7	64.0	49.3	43.3	40.4	38.4
57.5°	237.4	184.2	136.0	91.6	66.0	51.2	45.3	43.3	39.4	35.5	30.5
60°	157.6	111.3	75.9	52.2	45.3	44.3	41.4	37.4	31.5	21.7	17.7
62.5°	89.6	57.1	41.4	42.4	44.3	41.4	34.5	22.7	15.8	13.8	13.8
65°	40.4	31.5	39.4	42.4	39.4	28.6	17.7	11.8	11.8	11.8	11.8
67.5°	22.7	33.5	40.4	36.5	25.6	13.8	9.9	9.9	8.9	8.9	8.9
70°	24.6	35.5	32.5	21.7	9.9	7.9	6.9	6.9	5.9	4.9	4.9
72.5°	27.6	28.6	17.7	6.9	5.9	4.9	3.9	3.9	3.9	3.9	3.9
75°	21.7	13.8	4.9	3.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	9.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
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):**

	165°	170°	175°	180°
0°	2117.1	2117.1	2117.1	2117.1
2.5°	2060.9	2059.9	2077.7	2083.6
5°	2029.4	2023.5	2041.2	2044.2
6°	2010.7	2006.8	2023.5	2025.5
7.5°	1979.2	1973.3	1992.0	1992.0
10°	1900.4	1895.4	1910.2	1913.2
12.5°	1815.6	1808.7	1821.5	1830.4
15°	1716.1	1708.3	1720.1	1727.0
17.5°	1587.1	1577.2	1587.1	1594.0
20°	1435.4	1421.6	1429.5	1433.4
22.5°	1281.7	1269.9	1274.8	1279.7
25°	1143.8	1131.9	1133.9	1137.8
27.5°	1014.7	1001.9	1001.9	1004.9
30°	894.5	876.8	879.7	881.7
32.5°	773.3	760.5	760.5	762.5
35°	666.9	649.2	649.2	650.2
37.5°	554.6	537.9	537.9	538.9
40°	445.3	428.5	426.6	427.6
42.5°	338.9	323.1	321.2	321.2
45°	237.4	229.5	225.6	225.6
47.5°	155.7	145.8	141.9	141.9
50°	82.8	75.9	75.9	75.9
52.5°	44.3	44.3	45.3	46.3
55°	37.4	37.4	38.4	38.4
57.5°	27.6	26.6	26.6	27.6
60°	17.7	18.7	19.7	19.7
62.5°	14.8	14.8	16.7	16.7
65°	11.8	12.8	13.8	13.8
67.5°	8.9	8.9	9.9	9.9
70°	4.9	4.9	5.9	5.9
72.5°	3.9	3.9	4.9	4.9
75°	3.0	3.0	3.9	3.9
77.5°	3.0	3.0	3.0	3.0
80°	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	2.0	2.0
85°	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)