

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: STREETWORKS

Report Number: P14235

Luminaire Tested: **CRTK-X-A12-E-120-5-5000 +RMARROA5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14235
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-X-A12-E-120-5-5000 +RMARROA5
Description: STREETWORKS CARETAKER, TYPE 5, 12 LED WITH ANSI REFRACTOR
Light Source: [12]5000K LEDS
Ballast/Driver: [1]ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5897.7 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.54')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U4 - G2

Input Watts (W): 70
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: 28.75 FT

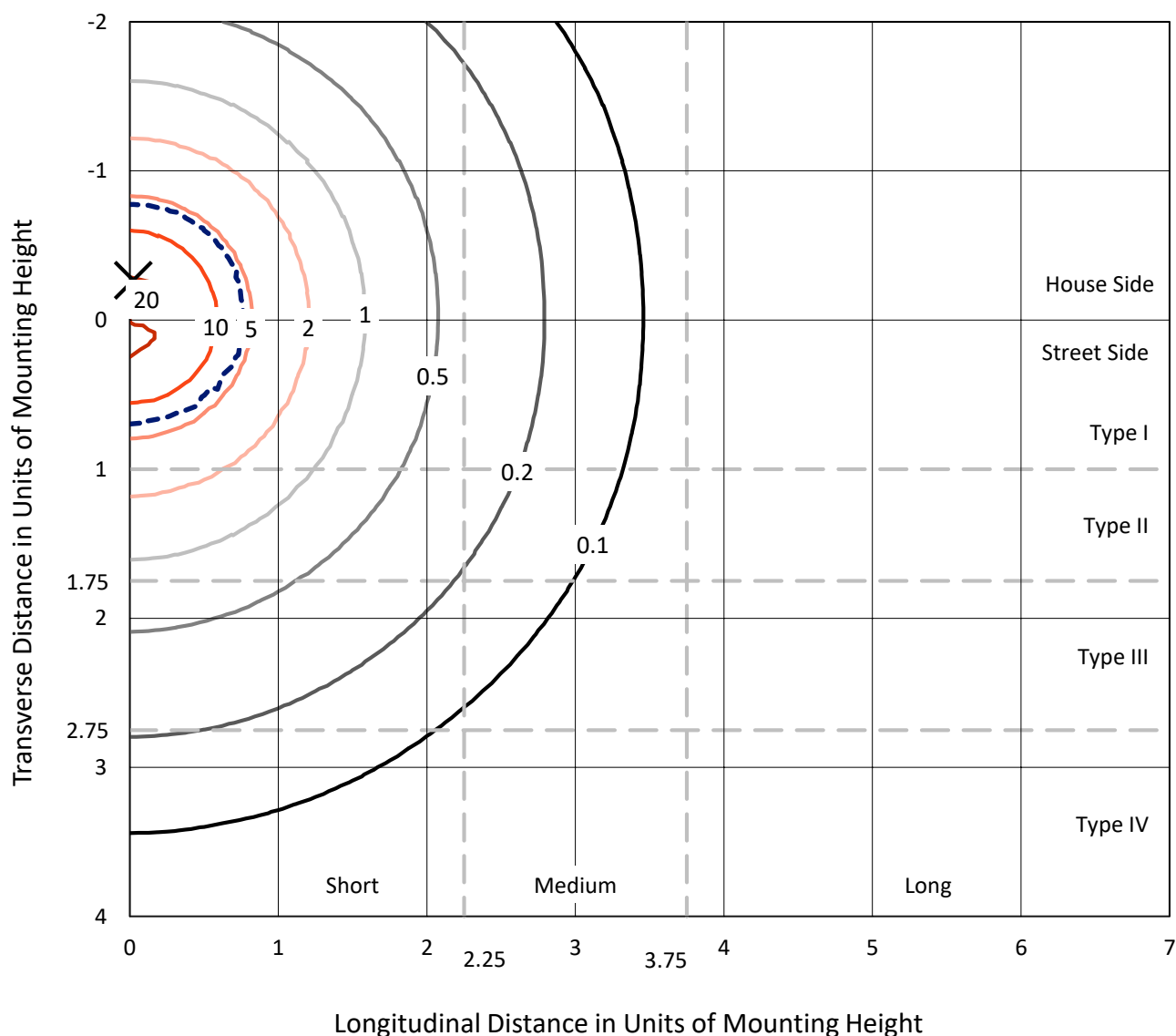


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

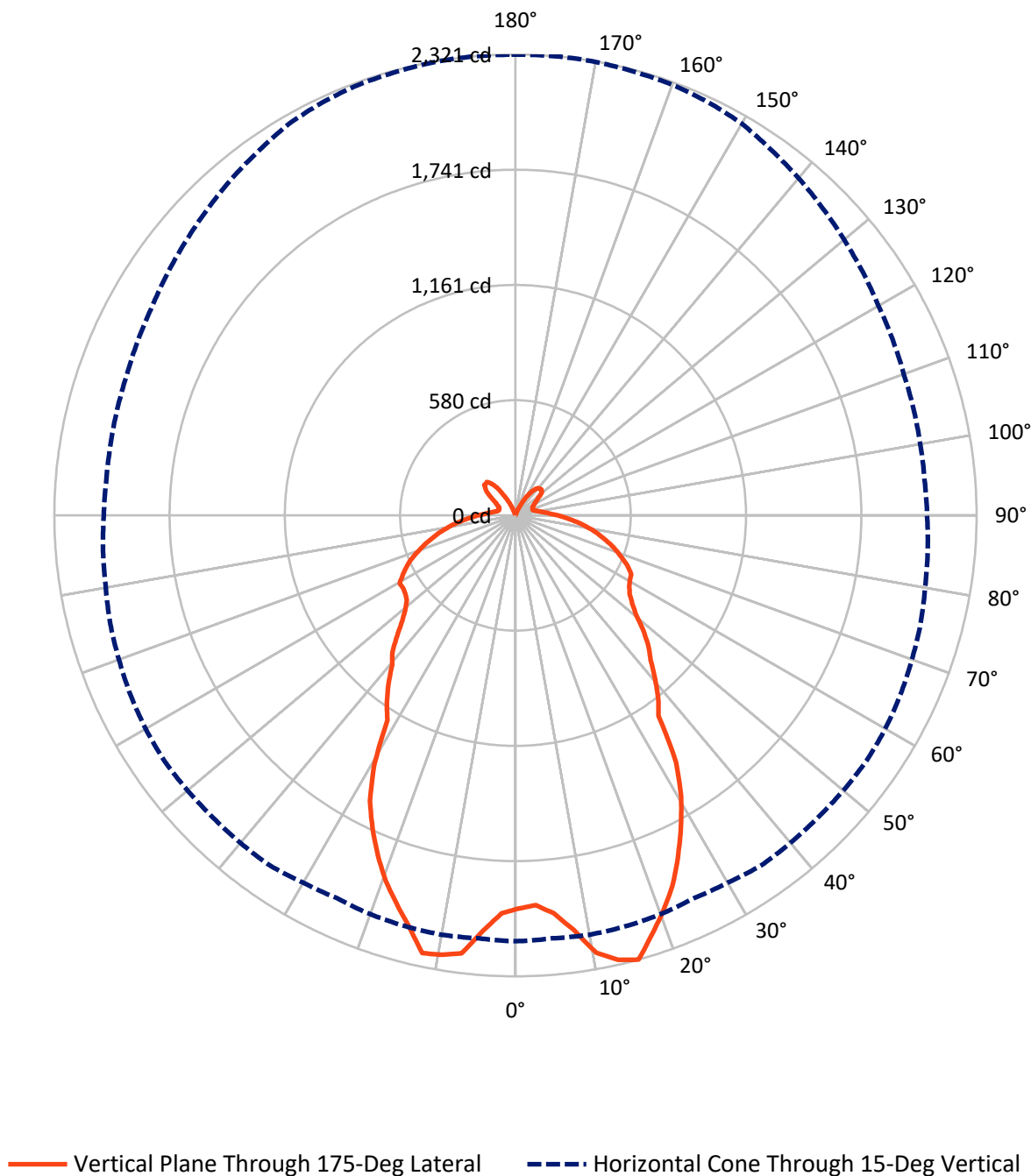


Based on 10 foot mounting height. Maximum calculated value = 21.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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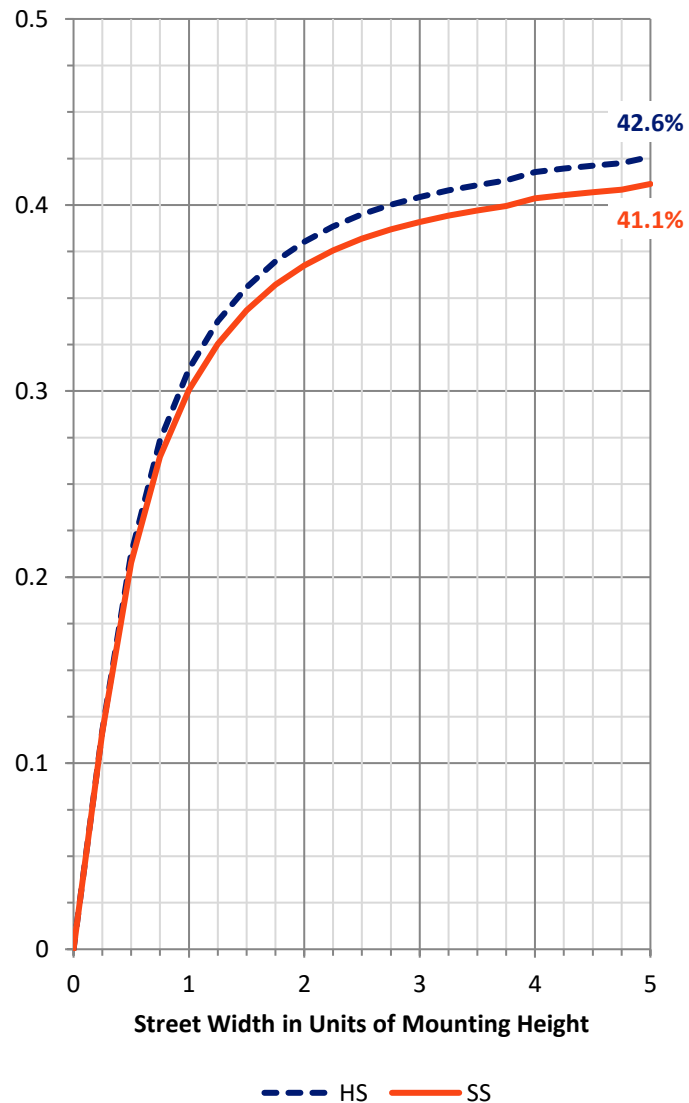
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2605.5	401.7	3007.2
	% Fixture	44.2	6.8	51.0
Street Side	Lumens	2499.5	390.9	2890.5
	% Fixture	42.4	6.6	49.0
Total	Lumens	5105.1	792.6	5897.7
	% Fixture	86.6	13.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.3	3.3
10°-20°	598.5	10.1
20°-30°	817.4	13.9
30°-40°	789.2	13.4
40°-50°	696.0	11.8
50°-60°	619.9	10.5
60°-70°	601.5	10.2
70°-80°	476.2	8.1
80°-90°	310.1	5.3
90°-100°	168.6	2.9
100°-110°	99.6	1.7
110°-120°	90.0	1.5
120°-130°	118.9	2.0
130°-140°	157.2	2.7
140°-150°	117.1	2.0
150°-160°	37.4	0.6
160°-170°	3.8	0.1
170°-180°	0.0	0.0
0°-90°	5105.1	86.6
0°-180°	5897.7	100.0

Coefficient of Utilization



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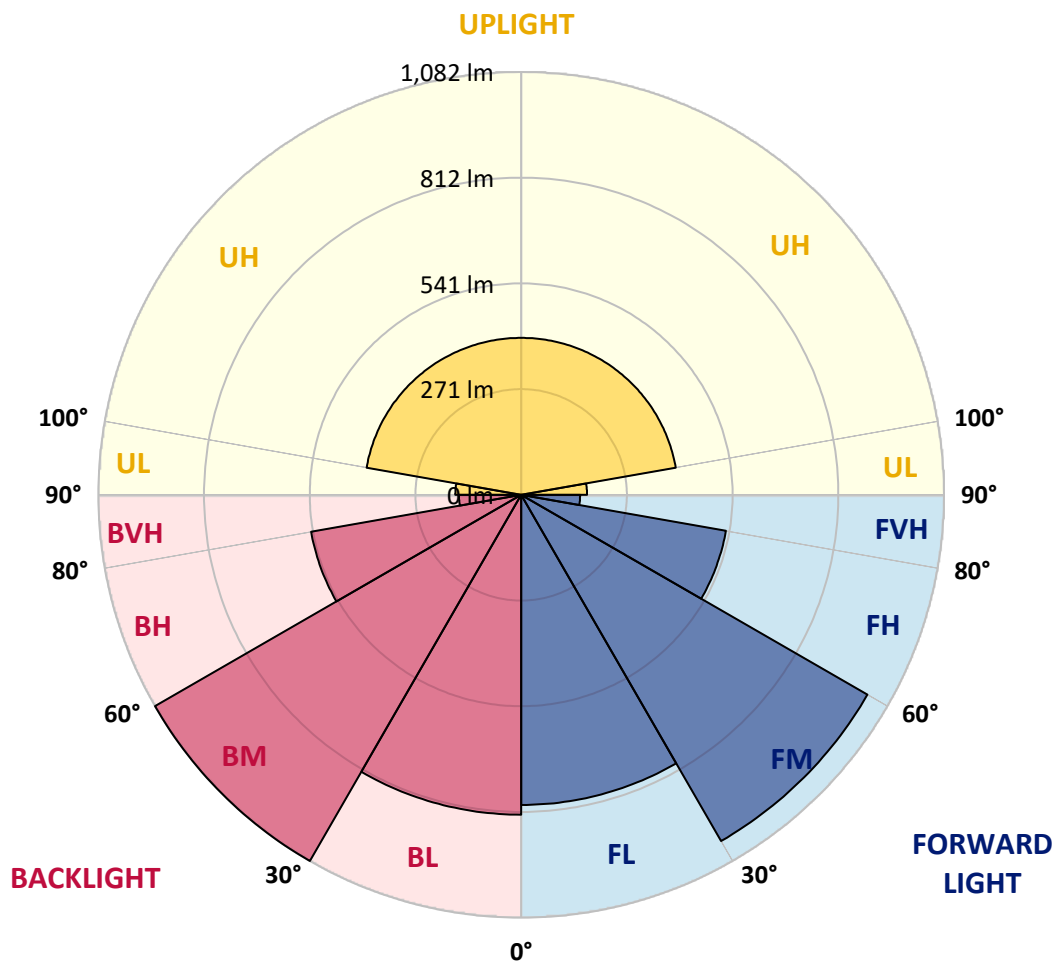
CATALOG NUMBER: CRTK-X-A12-E-120-5-5000 +RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	793.6	13.5			
FM	(30°-60°)	1023.1	17.3			
FH	(60°-80°)	531.9	9.0			G0/660
FVH	(80°-90°)	150.9	2.6			G2/225
BL	(0°-30°)	818.6	13.9	B2/1000		
BM	(30°-60°)	1082.1	18.3	B2/2500		
BH	(60°-80°)	545.7	9.3	B2/1000		G0/660
BVH	(80°-90°)	159.1	2.7			G2/225
UL	(90°-100°)	168.6	2.9		U3/500	
UH	(100°-180°)	401.7	6.8		U3/500	

BUG Rating: B2-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6
2.5°	2006.3	2004.3	2004.3	2004.3	2003.2	2002.2	2000.1	2001.2	1999.1	1998.1	1997.1
5°	2102.1	2099.0	2100.0	2094.9	2091.8	2086.6	2080.4	2073.2	2066.0	2056.8	2050.6
7.5°	2226.6	2221.5	2218.4	2207.1	2198.8	2182.4	2170.0	2153.5	2134.0	2119.6	2099.0
10°	2247.2	2243.1	2243.1	2234.9	2230.7	2218.4	2204.0	2190.6	2172.1	2154.6	2136.0
12.5°	2258.5	2253.4	2252.4	2250.3	2245.1	2235.9	2227.6	2219.4	2209.1	2192.6	2172.1
15°	2144.3	2138.1	2144.3	2142.2	2137.1	2126.8	2136.0	2153.5	2153.5	2152.5	2154.6
17.5°	2065.0	2045.4	2039.3	2026.9	2045.4	2041.3	2044.4	2042.4	2025.9	2012.5	2027.9
20°	1966.2	1953.8	1952.8	1951.8	1970.3	1945.6	1927.1	1920.9	1933.2	1944.6	1938.4
22.5°	1862.2	1847.8	1848.8	1850.9	1854.0	1852.9	1833.4	1846.8	1842.6	1836.5	1830.3
25°	1746.9	1733.5	1732.5	1745.9	1756.2	1737.6	1719.1	1722.2	1739.7	1762.4	1729.4
27.5°	1623.4	1613.1	1613.1	1613.1	1618.2	1616.2	1631.6	1632.6	1632.6	1627.5	1632.6
30°	1442.2	1442.2	1455.6	1455.6	1474.1	1478.2	1476.2	1476.2	1510.1	1528.7	1514.3
32.5°	1213.7	1215.7	1217.8	1221.9	1230.1	1242.5	1255.9	1273.4	1314.6	1335.1	1348.5
35°	1143.7	1142.6	1145.7	1149.9	1151.9	1152.9	1156.0	1161.2	1166.3	1168.4	1168.4
37.5°	1059.3	1061.3	1060.3	1064.4	1065.4	1072.6	1080.9	1085.0	1094.3	1100.4	1104.6
40°	979.0	974.9	975.9	974.9	977.9	982.1	984.1	992.4	997.5	1003.7	1008.8
42.5°	926.5	925.4	923.4	920.3	921.3	923.4	930.6	935.7	941.9	942.9	946.0
45°	851.3	848.2	848.2	847.2	849.3	854.4	860.6	867.8	877.1	881.2	885.3
47.5°	779.3	778.2	776.2	776.2	777.2	780.3	785.4	791.6	792.6	796.8	806.0
50°	729.9	727.8	725.7	723.7	724.7	726.8	729.9	734.0	735.0	736.0	738.1
52.5°	697.9	693.8	694.9	691.8	693.8	693.8	694.9	692.8	692.8	696.9	701.0
55°	681.5	680.4	679.4	674.3	674.3	676.3	673.2	675.3	674.3	670.1	669.1
57.5°	676.3	673.2	673.2	670.1	669.1	668.1	665.0	662.9	662.9	659.9	661.9
60°	679.4	676.3	677.4	672.2	671.2	668.1	668.1	668.1	668.1	665.0	665.0
62.5°	650.6	643.4	641.3	642.4	639.3	639.3	634.1	635.1	636.2	640.3	642.4
65°	612.5	609.4	607.4	604.3	604.3	601.2	600.1	600.1	600.1	598.1	599.1
67.5°	575.4	572.4	570.3	568.2	569.3	566.2	565.1	563.1	563.1	565.1	567.2
70°	528.1	526.0	527.1	524.0	525.0	521.9	521.9	522.9	524.0	526.0	528.1
72.5°	482.8	482.8	481.8	481.8	480.7	479.7	480.7	479.7	480.7	483.8	485.9
75°	436.5	436.5	432.4	433.4	433.4	434.4	433.4	433.4	434.4	438.5	440.6
77.5°	396.3	395.3	395.3	395.3	394.3	394.3	394.3	395.3	396.3	399.4	402.5
80°	352.1	351.0	350.0	351.0	350.0	351.0	352.1	351.0	352.1	356.2	358.2
82.5°	308.8	308.8	308.8	308.8	309.9	307.8	309.9	309.9	310.9	314.0	316.0
85°	267.6	266.6	266.6	266.6	267.6	266.6	266.6	269.7	270.7	273.8	274.9
87.5°	229.6	226.5	228.5	229.6	228.5	228.5	228.5	230.6	231.6	234.7	235.7
90°	193.5	194.6	195.6	194.6	195.6	196.6	195.6	196.6	199.7	200.7	200.7
92.5°	164.7	160.6	164.7	162.6	163.7	163.7	163.7	164.7	166.8	166.8	168.8
95°	144.1	143.1	145.1	144.1	145.1	145.1	146.2	147.2	148.2	150.3	150.3
97.5°	123.5	122.5	124.6	124.6	125.6	124.6	124.6	126.6	128.7	127.6	128.7
100°	108.1	109.1	108.1	109.1	110.1	109.1	110.1	110.1	111.2	111.2	112.2
102.5°	97.8	97.8	97.8	98.8	97.8	98.8	97.8	97.8	97.8	98.8	97.8
105°	90.6	91.6	92.6	91.6	91.6	91.6	90.6	91.6	91.6	89.6	88.5
107.5°	87.5	87.5	86.5	87.5	87.5	86.5	85.4	85.4	84.4	85.4	83.4
110°	87.5	87.5	87.5	87.5	87.5	86.5	85.4	85.4	85.4	83.4	83.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	88.5	88.5	88.5	87.5	88.5	87.5	87.5	86.5	85.4	85.4	84.4
115°	92.6	88.5	88.5	90.6	90.6	89.6	88.5	86.5	87.5	86.5	86.5
117.5°	95.7	95.7	95.7	94.7	95.7	93.7	93.7	93.7	92.6	91.6	91.6
120°	106.0	104.0	104.0	104.0	102.9	102.9	102.9	101.9	101.9	100.9	99.9
122.5°	116.3	114.3	114.3	113.2	113.2	113.2	112.2	111.2	111.2	112.2	111.2
125°	133.8	132.8	132.8	131.8	130.7	130.7	128.7	127.6	126.6	126.6	126.6
127.5°	157.5	157.5	155.4	153.4	152.4	151.3	151.3	148.2	146.2	146.2	144.1
130°	187.4	186.3	183.2	181.2	180.1	179.1	176.0	172.9	170.9	169.9	168.8
132.5°	204.9	202.8	200.7	198.7	199.7	198.7	196.6	194.6	192.5	191.5	190.4
135°	219.3	219.3	217.2	215.1	214.1	215.1	215.1	213.1	211.0	209.0	210.0
137.5°	219.3	218.2	216.2	215.1	216.2	214.1	215.1	214.1	215.1	211.0	210.0
140°	221.3	221.3	219.3	218.2	218.2	218.2	218.2	218.2	215.1	214.1	215.1
142.5°	209.0	206.9	206.9	205.9	204.9	205.9	206.9	207.9	204.9	204.9	206.9
145°	189.4	187.4	188.4	188.4	187.4	188.4	189.4	191.5	191.5	189.4	192.5
147.5°	157.5	158.5	158.5	157.5	158.5	160.6	161.6	163.7	163.7	165.7	165.7
150°	123.5	122.5	123.5	124.6	126.6	126.6	129.7	131.8	132.8	133.8	135.9
152.5°	91.6	91.6	91.6	92.6	91.6	94.7	95.7	97.8	99.9	99.9	102.9
155°	63.8	63.8	64.9	65.9	64.9	67.9	67.9	70.0	70.0	73.1	74.1
157.5°	41.2	42.2	41.2	43.2	44.3	44.3	46.3	47.4	49.4	49.4	51.5
160°	23.7	22.6	22.6	24.7	25.7	25.7	27.8	28.8	32.9	32.9	34.0
162.5°	8.2	8.2	8.2	10.3	11.3	12.4	13.4	14.4	17.5	18.5	19.6
165°	2.1	2.1	1.0	1.0	3.1	3.1	4.1	3.1	6.2	6.2	7.2
167.5°	2.1	2.1	2.1	1.0	3.1	2.1	3.1	2.1	2.1	3.1	2.1
170°	1.0	1.0	2.1	2.1	1.0	2.1	1.0	1.0	1.0	1.0	1.0
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
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6
2.5°	1995.0	1994.0	1992.9	1988.8	1987.8	1983.7	1978.5	1975.4	1975.4	1970.3	1969.3
5°	2043.4	2034.1	2027.9	2019.7	2009.4	1998.1	1989.9	1981.6	1975.4	1970.3	1966.2
7.5°	2084.6	2070.1	2053.7	2035.1	2018.7	2004.3	1994.0	1982.6	1974.4	1974.4	1973.4
10°	2118.5	2101.0	2085.6	2061.9	2044.4	2027.9	2016.6	2004.3	1998.1	1995.0	2000.1
12.5°	2151.5	2136.0	2115.4	2093.8	2074.3	2057.8	2046.5	2039.3	2033.1	2031.0	2037.2
15°	2156.6	2149.4	2138.1	2123.7	2111.3	2093.8	2083.5	2072.2	2067.1	2069.1	2074.3
17.5°	2033.1	2017.6	2022.8	2042.4	2045.4	2062.9	2082.5	2091.8	2096.9	2091.8	2090.7
20°	1919.9	1897.2	1935.3	1929.1	1925.0	1934.3	1960.0	1921.9	1915.7	1944.6	1964.1
22.5°	1846.8	1829.3	1824.1	1796.3	1838.5	1840.6	1843.7	1841.6	1852.9	1845.7	1849.9
25°	1717.1	1716.0	1760.3	1756.2	1744.9	1717.1	1755.1	1762.4	1764.4	1764.4	1764.4
27.5°	1646.0	1642.9	1637.8	1613.1	1665.6	1666.6	1668.7	1658.4	1663.5	1674.9	1676.9
30°	1513.2	1524.6	1579.1	1577.1	1552.4	1535.9	1577.1	1578.1	1583.2	1583.2	1580.1
32.5°	1386.6	1411.3	1401.0	1407.2	1471.0	1488.5	1481.3	1448.4	1460.7	1484.4	1488.5
35°	1174.6	1179.7	1186.9	1195.1	1224.0	1248.7	1253.8	1279.6	1297.1	1285.7	1290.9
37.5°	1107.6	1110.7	1117.9	1126.2	1135.4	1139.6	1141.6	1146.8	1145.7	1145.7	1147.8
40°	1016.0	1020.1	1029.4	1038.7	1044.9	1051.0	1060.3	1063.4	1070.6	1075.7	1080.9
42.5°	948.1	953.2	955.3	958.4	959.4	959.4	962.5	961.5	966.6	968.7	973.8
45°	894.6	899.7	905.9	909.0	909.0	912.1	913.1	913.1	917.2	920.3	922.4
47.5°	809.1	815.3	819.4	831.8	837.9	840.0	840.0	846.2	850.3	851.3	854.4
50°	738.1	745.3	747.4	750.4	755.6	756.6	760.7	764.9	767.9	773.1	778.2
52.5°	696.9	694.9	695.9	699.0	707.2	703.1	703.1	708.2	710.3	713.4	715.4
55°	667.1	669.1	669.1	668.1	668.1	671.2	672.2	673.2	676.3	682.5	684.6
57.5°	658.8	652.6	649.6	652.6	652.6	650.6	652.6	656.8	654.7	656.8	661.9
60°	665.0	659.9	657.8	651.6	647.5	646.5	648.5	644.4	643.4	649.6	653.7
62.5°	647.5	649.6	650.6	651.6	650.6	646.5	644.4	645.4	647.5	648.5	651.6
65°	598.1	597.1	600.1	598.1	596.0	592.9	594.0	594.0	597.1	602.2	608.4
67.5°	569.3	568.2	571.3	569.3	568.2	562.1	562.1	561.0	564.1	568.2	575.4
70°	528.1	529.1	531.2	531.2	528.1	528.1	526.0	524.0	526.0	533.2	535.3
72.5°	489.0	491.0	493.1	496.2	492.1	491.0	489.0	487.9	489.0	493.1	497.2
75°	442.6	446.8	449.9	448.8	450.9	448.8	445.7	446.8	447.8	449.9	455.0
77.5°	406.6	409.7	410.7	412.8	413.8	411.8	411.8	411.8	412.8	415.9	419.0
80°	363.4	365.4	367.5	370.6	369.6	370.6	369.6	368.5	371.6	373.7	377.8
82.5°	319.1	322.2	325.3	328.4	329.4	327.4	328.4	328.4	329.4	332.5	335.6
85°	276.9	280.0	283.1	285.1	285.1	285.1	285.1	286.2	286.2	290.3	293.4
87.5°	237.8	241.9	241.9	244.0	246.0	244.0	245.0	246.0	247.1	250.1	250.1
90°	203.8	203.8	207.9	210.0	210.0	209.0	210.0	209.0	209.0	214.1	215.1
92.5°	169.9	171.9	174.0	175.0	177.1	175.0	176.0	178.1	178.1	176.0	179.1
95°	151.3	152.4	154.4	155.4	156.5	156.5	155.4	156.5	156.5	158.5	158.5
97.5°	131.8	131.8	131.8	133.8	131.8	131.8	133.8	133.8	132.8	134.9	134.9
100°	113.2	112.2	113.2	114.3	114.3	114.3	114.3	114.3	114.3	115.3	115.3
102.5°	96.8	97.8	96.8	97.8	98.8	96.8	97.8	96.8	98.8	99.9	98.8
105°	90.6	88.5	89.6	89.6	86.5	87.5	88.5	88.5	88.5	88.5	89.6
107.5°	83.4	83.4	82.4	82.4	81.3	81.3	81.3	82.4	82.4	81.3	83.4
110°	83.4	81.3	82.4	82.4	80.3	81.3	80.3	81.3	82.4	82.4	82.4



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CATALOG NUMBER: CRTK-X-A12-E-120-5-5000 +RMARROA5

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	84.4	83.4	82.4	83.4	82.4	80.3	82.4	81.3	83.4	83.4	83.4
115°	85.4	85.4	84.4	84.4	82.4	81.3	81.3	81.3	85.4	85.4	86.5
117.5°	91.6	90.6	89.6	89.6	89.6	88.5	88.5	87.5	90.6	91.6	91.6
120°	99.9	99.9	97.8	97.8	97.8	96.8	95.7	95.7	99.9	98.8	100.9
122.5°	110.1	108.1	108.1	107.1	106.0	106.0	106.0	105.0	108.1	109.1	111.2
125°	126.6	124.6	121.5	122.5	118.4	119.4	119.4	120.4	122.5	126.6	128.7
127.5°	144.1	141.0	137.9	137.9	135.9	133.8	134.9	135.9	139.0	142.1	146.2
130°	166.8	164.7	160.6	159.6	158.5	158.5	158.5	158.5	161.6	165.7	168.8
132.5°	187.4	187.4	183.2	182.2	179.1	179.1	179.1	182.2	184.3	187.4	189.4
135°	209.0	206.9	205.9	203.8	201.8	203.8	203.8	205.9	206.9	211.0	212.1
137.5°	212.1	212.1	212.1	211.0	210.0	210.0	213.1	215.1	216.2	218.2	219.3
140°	216.2	216.2	217.2	218.2	216.2	218.2	217.2	220.3	222.4	224.4	225.4
142.5°	205.9	206.9	210.0	211.0	211.0	213.1	212.1	214.1	216.2	217.2	218.2
145°	193.5	194.6	196.6	197.6	197.6	199.7	201.8	201.8	204.9	206.9	206.9
147.5°	168.8	169.9	174.0	175.0	177.1	177.1	181.2	182.2	183.2	186.3	184.3
150°	137.9	141.0	144.1	146.2	148.2	149.3	151.3	153.4	155.4	156.5	156.5
152.5°	105.0	107.1	111.2	114.3	115.3	117.4	120.4	119.4	120.4	122.5	122.5
155°	76.2	78.2	81.3	84.4	84.4	87.5	87.5	87.5	87.5	89.6	88.5
157.5°	54.6	55.6	57.6	59.7	60.7	62.8	62.8	61.8	62.8	63.8	62.8
160°	38.1	38.1	39.1	41.2	42.2	43.2	42.2	43.2	43.2	44.3	43.2
162.5°	21.6	21.6	22.6	25.7	25.7	25.7	26.8	26.8	25.7	26.8	27.8
165°	8.2	10.3	10.3	10.3	12.4	13.4	13.4	14.4	13.4	13.4	12.4
167.5°	3.1	4.1	4.1	4.1	4.1	4.1	5.1	6.2	6.2	6.2	5.1
170°	1.0	3.1	1.0	1.0	2.1	0.0	1.0	2.1	0.0	1.0	2.1
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
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: CRTK-X-A12-E-120-5-5000 +RMARROA5

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6	1979.6
2.5°	1969.3	1969.3	1966.2	1966.2	1969.3	1966.2	1965.1	1966.2	1966.2	1965.1	1965.1
5°	1966.2	1966.2	1968.2	1970.3	1973.4	1977.5	1982.6	1989.9	1995.0	2001.2	2004.3
7.5°	1978.5	1984.7	1994.0	2002.2	2014.6	2031.0	2046.5	2060.9	2075.3	2083.5	2089.7
10°	2008.4	2019.7	2030.0	2043.4	2061.9	2081.5	2103.1	2127.8	2147.4	2169.0	2192.6
12.5°	2047.5	2060.9	2075.3	2094.9	2118.5	2141.2	2169.0	2193.7	2222.5	2243.1	2264.7
15°	2080.4	2094.9	2110.3	2135.0	2159.7	2187.5	2217.4	2246.2	2278.1	2295.6	2307.9
17.5°	2094.9	2088.7	2096.9	2113.4	2125.7	2135.0	2147.4	2176.2	2201.9	2198.8	2207.1
20°	1959.0	1953.8	1972.4	1986.8	2007.4	2000.1	2024.9	2057.8	2094.9	2099.0	2112.4
22.5°	1864.3	1878.7	1854.0	1881.8	1899.3	1928.1	1946.6	1944.6	1952.8	1970.3	2007.4
25°	1770.6	1778.8	1785.0	1809.7	1796.3	1792.2	1822.1	1852.9	1869.4	1864.3	1899.3
27.5°	1675.9	1705.7	1660.4	1694.4	1706.8	1720.1	1734.6	1732.5	1726.3	1735.6	1770.6
30°	1580.1	1585.3	1591.5	1609.0	1598.7	1581.2	1597.6	1634.7	1642.9	1623.4	1641.9
32.5°	1486.5	1493.7	1458.7	1464.9	1492.6	1506.0	1481.3	1472.1	1491.6	1493.7	1496.8
35°	1314.6	1308.4	1290.9	1265.1	1264.1	1276.5	1275.4	1260.0	1257.9	1254.9	1246.6
37.5°	1150.9	1151.9	1155.0	1154.0	1158.1	1160.1	1164.3	1169.4	1170.4	1169.4	1172.5
40°	1084.0	1085.0	1088.1	1090.1	1094.3	1093.2	1091.2	1092.2	1091.2	1088.1	1089.1
42.5°	975.9	981.0	985.1	989.3	991.3	995.4	995.4	997.5	996.5	999.6	999.6
45°	926.5	930.6	932.6	932.6	935.7	936.8	934.7	937.8	936.8	937.8	937.8
47.5°	860.6	864.7	867.8	870.9	872.9	870.9	869.9	870.9	871.9	866.8	866.8
50°	782.4	786.5	786.5	788.5	788.5	786.5	786.5	789.6	790.6	789.6	785.4
52.5°	717.5	722.6	725.7	725.7	727.8	729.9	731.9	729.9	729.9	731.9	731.9
55°	685.6	689.7	688.7	690.7	692.8	692.8	691.8	692.8	694.9	695.9	694.9
57.5°	660.9	667.1	666.0	667.1	671.2	670.1	671.2	668.1	671.2	671.2	669.1
60°	652.6	653.7	656.8	658.8	660.9	658.8	657.8	657.8	657.8	658.8	657.8
62.5°	655.7	656.8	659.9	659.9	659.9	657.8	655.7	653.7	650.6	650.6	652.6
65°	614.6	617.6	620.7	623.8	626.9	627.9	623.8	619.7	621.8	621.8	620.7
67.5°	576.5	581.6	582.6	586.8	587.8	585.7	583.7	580.6	580.6	579.6	579.6
70°	541.5	543.5	545.6	548.7	550.7	546.6	541.5	542.5	537.4	539.4	540.4
72.5°	501.3	506.5	508.5	508.5	509.6	506.5	504.4	500.3	499.3	499.3	497.2
75°	459.1	465.3	464.3	465.3	465.3	463.2	458.1	452.9	454.0	452.9	450.9
77.5°	424.1	426.2	430.3	429.3	428.2	424.1	421.0	416.9	414.9	413.8	413.8
80°	381.9	384.0	387.1	386.0	385.0	381.9	378.8	374.7	371.6	368.5	367.5
82.5°	337.6	341.8	343.8	344.9	341.8	339.7	335.6	331.5	330.4	327.4	326.3
85°	296.5	298.5	300.6	299.6	299.6	295.4	291.3	290.3	287.2	285.1	283.1
87.5°	254.3	257.4	257.4	256.3	256.3	254.3	251.2	249.1	245.0	242.9	242.9
90°	216.2	218.2	220.3	219.3	219.3	216.2	214.1	214.1	210.0	207.9	205.9
92.5°	182.2	182.2	182.2	184.3	182.2	180.1	178.1	176.0	176.0	174.0	172.9
95°	159.6	159.6	160.6	160.6	158.5	156.5	155.4	155.4	155.4	152.4	152.4
97.5°	135.9	135.9	136.9	134.9	137.9	134.9	133.8	132.8	132.8	132.8	131.8
100°	117.4	116.3	116.3	117.4	116.3	117.4	116.3	117.4	117.4	117.4	116.3
102.5°	100.9	101.9	99.9	101.9	101.9	101.9	101.9	101.9	104.0	104.0	102.9
105°	88.5	90.6	90.6	91.6	91.6	93.7	92.6	94.7	94.7	94.7	95.7
107.5°	82.4	82.4	84.4	85.4	85.4	86.5	86.5	89.6	88.5	89.6	88.5
110°	85.4	84.4	83.4	85.4	87.5	86.5	88.5	88.5	89.6	89.6	88.5



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REPORT N

CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
112.5°	83.4	85.4	84.4	85.4	85.4	87.5	88.5	89.6	89.6	91.6	89.6	0°
115°	85.4	86.5	89.6	87.5	89.6	90.6	91.6	91.6	91.6	94.7	93.7	2.5°
117.5°	92.6	95.7	96.8	95.7	95.7	97.8	98.8	97.8	97.8	98.8	99.9	5°
120°	102.9	104.0	106.0	107.1	107.1	108.1	108.1	108.1	107.1	109.1	109.1	7.5°
122.5°	114.3	116.3	116.3	120.4	121.5	120.4	122.5	122.5	119.4	117.4	120.4	10°
125°	130.7	131.8	133.8	136.9	140.0	141.0	140.0	141.0	139.0	134.9	137.9	12.5°
127.5°	146.2	149.3	153.4	156.5	159.6	160.6	162.6	164.7	162.6	157.5	156.5	15°
130°	169.9	171.9	178.1	181.2	185.3	186.3	189.4	192.5	188.4	182.2	181.2	17.5°
132.5°	191.5	194.6	198.7	202.8	204.9	209.0	210.0	209.0	205.9	197.6	194.6	20°
135°	214.1	217.2	219.3	224.4	227.5	228.5	228.5	226.5	219.3	209.0	204.9	22.5°
137.5°	221.3	223.4	225.4	228.5	231.6	232.6	229.6	222.4	214.1	205.9	200.7	25°
140°	226.5	228.5	229.6	230.6	234.7	234.7	231.6	221.3	212.1	204.9	196.6	27.5°
142.5°	220.3	222.4	221.3	223.4	224.4	222.4	220.3	211.0	198.7	188.4	184.3	30°
145°	206.9	207.9	207.9	207.9	206.9	203.8	201.8	192.5	182.2	170.9	165.7	32.5°
147.5°	185.3	186.3	184.3	181.2	181.2	176.0	171.9	165.7	154.4	147.2	139.0	35°
150°	156.5	155.4	153.4	151.3	149.3	143.1	139.0	131.8	124.6	117.4	110.1	37.5°
152.5°	122.5	120.4	118.4	117.4	114.3	109.1	104.0	98.8	92.6	83.4	74.1	40°
155°	88.5	89.6	86.5	84.4	84.4	80.3	77.2	72.1	66.9	58.7	54.6	42.5°
157.5°	63.8	61.8	61.8	60.7	58.7	57.6	54.6	53.5	48.4	44.3	38.1	45°
160°	42.2	43.2	43.2	41.2	40.1	37.1	36.0	34.0	31.9	27.8	24.7	47.5°
162.5°	26.8	25.7	25.7	23.7	22.6	20.6	20.6	18.5	17.5	15.4	13.4	50°
165°	12.4	11.3	11.3	10.3	9.3	8.2	8.2	6.2	7.2	4.1	4.1	52.5°
167.5°	5.1	4.1	4.1	3.1	3.1	4.1	3.1	3.1	2.1	4.1	3.1	55°
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	2.1	1.0	57.5°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°



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CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
1979.6	1979.6	1979.6	1979.6
1966.2	1966.2	1965.1	1966.2
2007.4	2009.4	2012.5	2011.5
2099.0	2104.1	2107.2	2111.3
2214.3	2230.7	2240.0	2237.9
2276.0	2287.4	2296.6	2300.7
2313.1	2319.3	2321.3	2320.3
2223.5	2228.7	2220.4	2215.3
2113.4	2116.5	2125.7	2144.3
2019.7	2014.6	2024.9	2041.3
1890.0	1898.2	1901.3	1924.0
1790.1	1770.6	1774.7	1791.2
1632.6	1636.8	1644.0	1665.6
1479.3	1484.4	1485.4	1476.2
1243.5	1244.6	1240.4	1242.5
1171.5	1171.5	1167.4	1167.4
1085.0	1082.9	1081.9	1079.9
998.5	999.6	998.5	998.5
936.8	937.8	937.8	936.8
863.7	866.8	865.7	865.7
784.4	787.5	786.5	786.5
729.9	731.9	736.0	737.1
693.8	696.9	697.9	696.9
668.1	672.2	675.3	675.3
654.7	658.8	661.9	658.8
652.6	652.6	654.7	657.8
619.7	620.7	622.8	623.8
577.5	578.5	581.6	582.6
537.4	541.5	541.5	540.4
497.2	499.3	501.3	501.3
451.9	452.9	456.0	455.0
412.8	414.9	415.9	416.9
368.5	368.5	370.6	370.6
326.3	326.3	326.3	327.4
282.1	284.1	282.1	282.1
241.9	241.9	241.9	240.9
207.9	206.9	207.9	204.9
171.9	170.9	172.9	170.9
152.4	152.4	151.3	151.3
131.8	128.7	129.7	128.7
115.3	114.3	116.3	116.3
102.9	104.0	105.0	104.0
95.7	95.7	96.8	97.8
89.6	91.6	90.6	90.6
90.6	89.6	91.6	91.6

CANDELA DISTRIBUTION:

	165°
112.5°	90.6
115°	95.7
117.5°	98.8
120°	110.1
122.5°	121.5
125°	142.1
127.5°	158.5
130°	182.2
132.5°	193.5
135°	201.8
137.5°	198.7
140°	196.6
142.5°	178.1
145°	161.6
147.5°	134.9
150°	104.0
152.5°	67.9
155°	50.4
157.5°	34.0
160°	21.6
162.5°	11.3
165°	2.1
167.5°	3.1
170°	1.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



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TION (continued):

170°	175°	180°
91.6	92.6	90.6
96.8	94.7	93.7
99.9	100.9	99.9
111.2	110.1	111.2
122.5	119.4	121.5
141.0	133.8	133.8
157.5	149.3	147.2
179.1	172.9	164.7
192.5	181.2	171.9
197.6	184.3	179.1
192.5	180.1	171.9
190.4	178.1	172.9
172.9	164.7	159.6
154.4	146.2	145.1
128.7	122.5	118.4
98.8	95.7	92.6
63.8	61.8	62.8
45.3	41.2	40.1
30.9	29.9	26.8
19.6	16.5	16.5
11.3	9.3	7.2
2.1	2.1	1.0
2.1	1.0	3.1
0.0	1.0	1.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0

(END OF REPORT)