

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: P14234

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14234
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-SR
Description: STREETWORKS CARETAKER, TYPE 5, 12 LED WITH SMALL REFRACTOR
Light Source: [12]5000K LEDS
Ballast/Driver: [1]ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6825 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.29')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U3 - 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

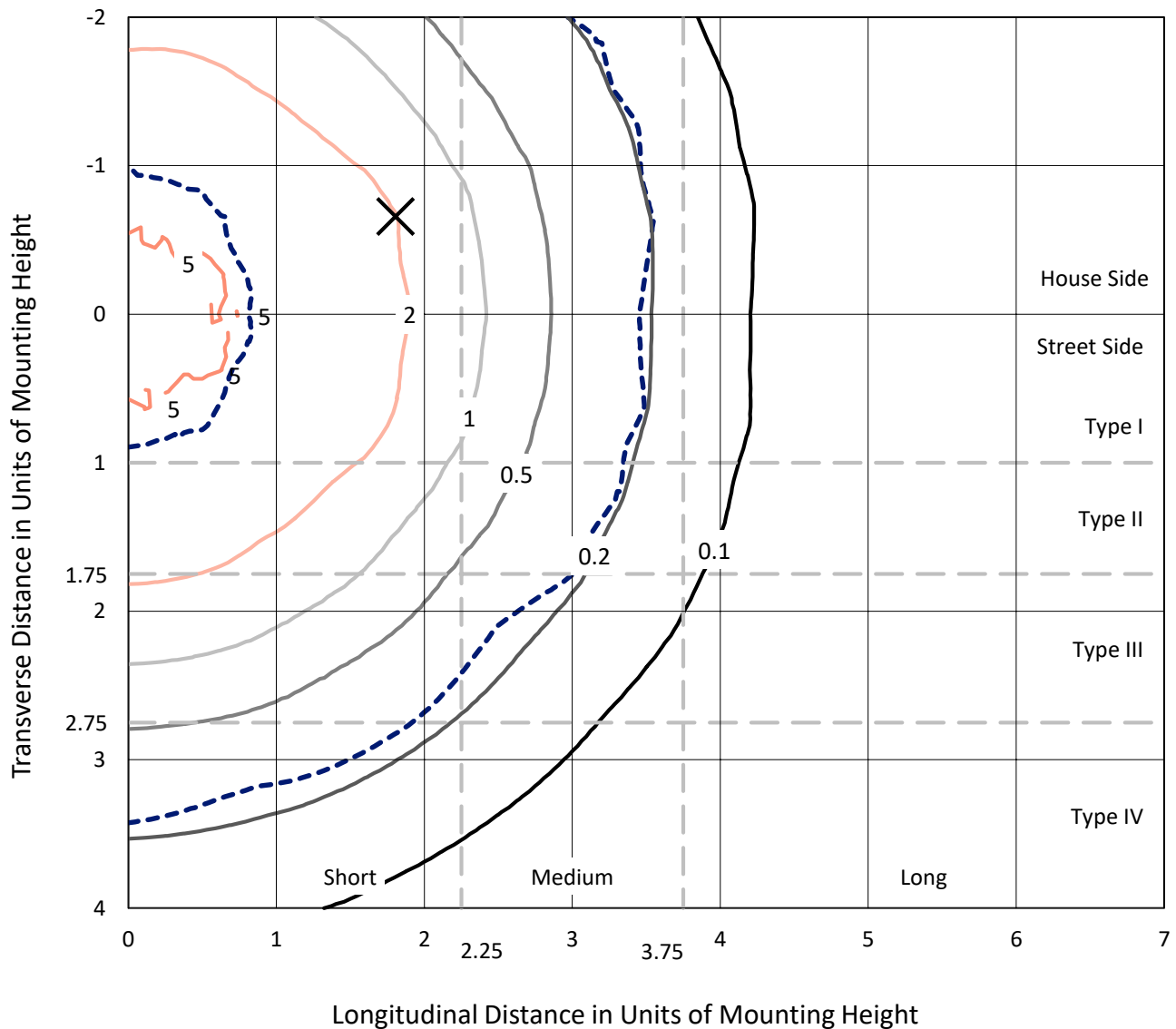


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

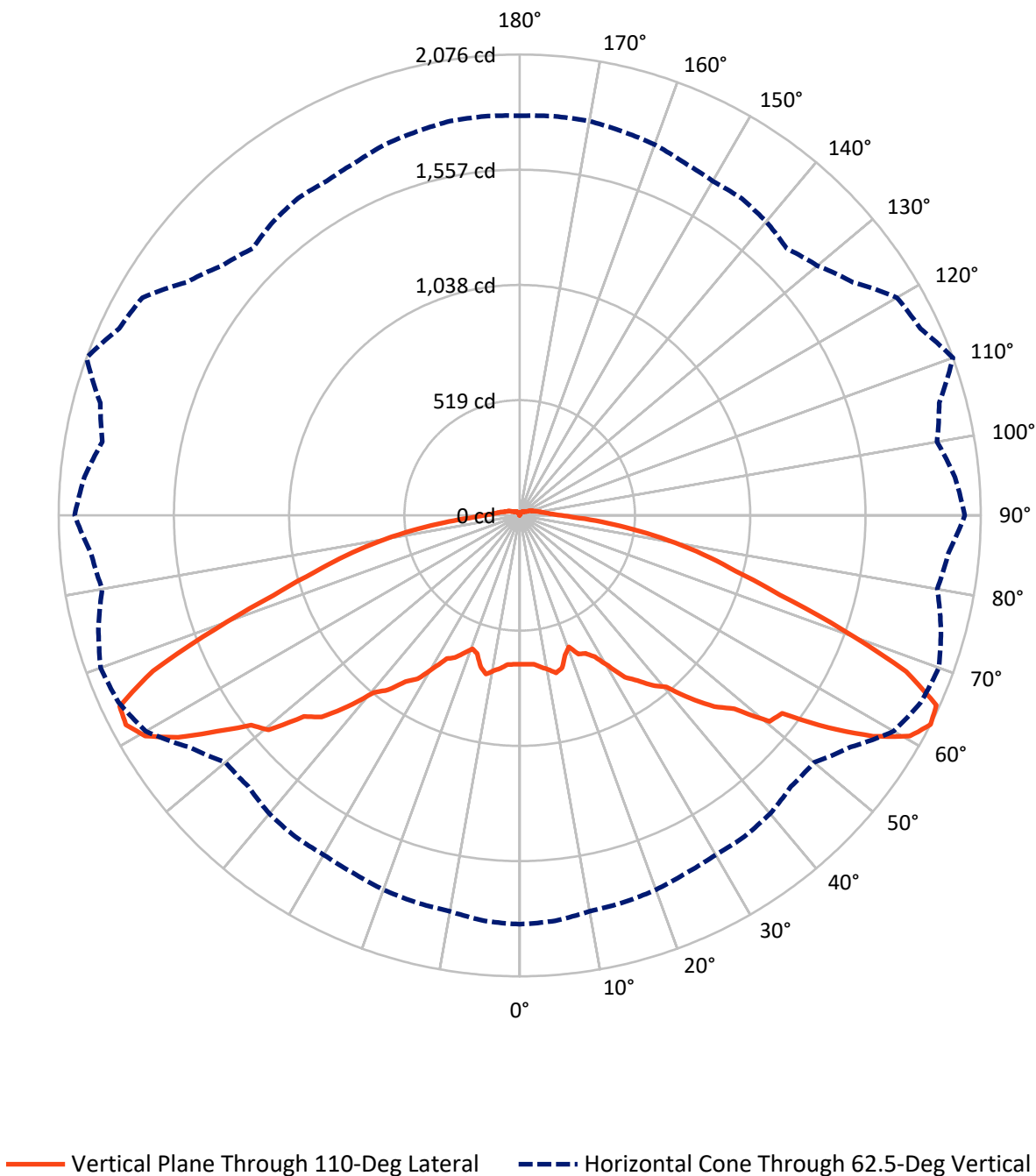


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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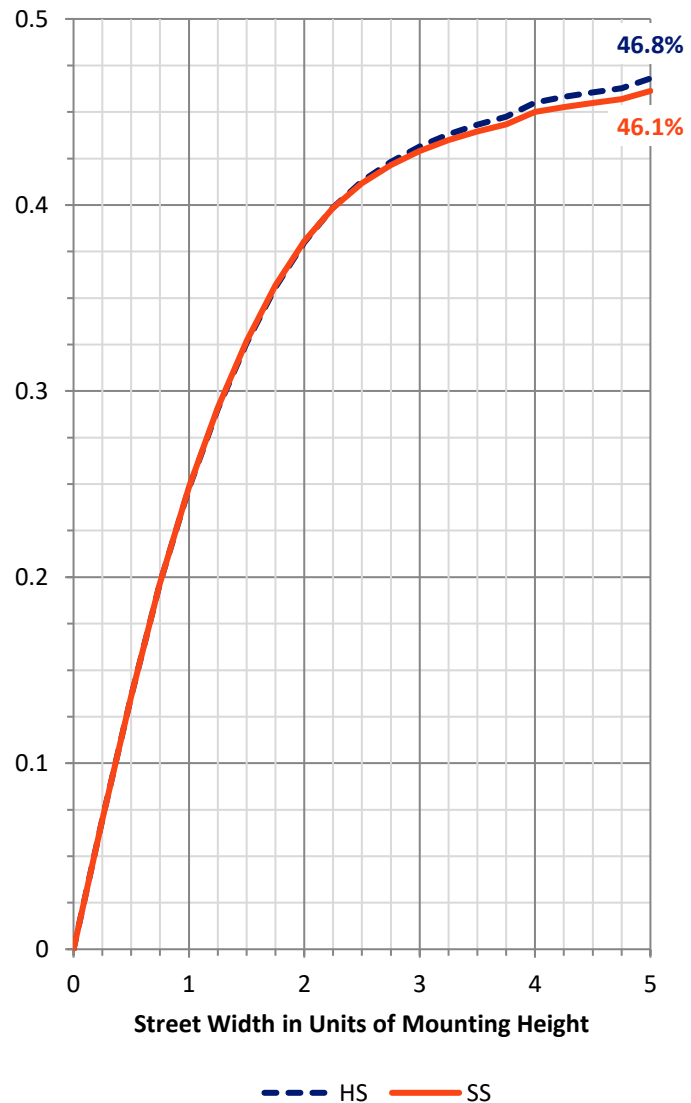
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3287.5	153.8	3441.2
	% Fixture	48.2	2.3	50.4
Street Side	Lumens	3236.3	147.4	3383.7
	% Fixture	47.4	2.2	49.6
Total	Lumens	6523.8	301.2	6825.0
	% Fixture	95.6	4.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	1.0
10°-20°	194.0	2.8
20°-30°	327.9	4.8
30°-40°	555.1	8.1
40°-50°	893.6	13.1
50°-60°	1319.0	19.3
60°-70°	1729.2	25.3
70°-80°	1037.3	15.2
80°-90°	402.0	5.9
90°-100°	126.9	1.9
100°-110°	72.4	1.1
110°-120°	43.2	0.6
120°-130°	23.7	0.3
130°-140°	16.9	0.2
140°-150°	11.1	0.2
150°-160°	5.1	0.1
160°-170°	1.7	0.0
170°-180°	0.3	0.0
0°-90°	6523.8	95.6
0°-180°	6825.0	100.0

Coefficient of Utilization



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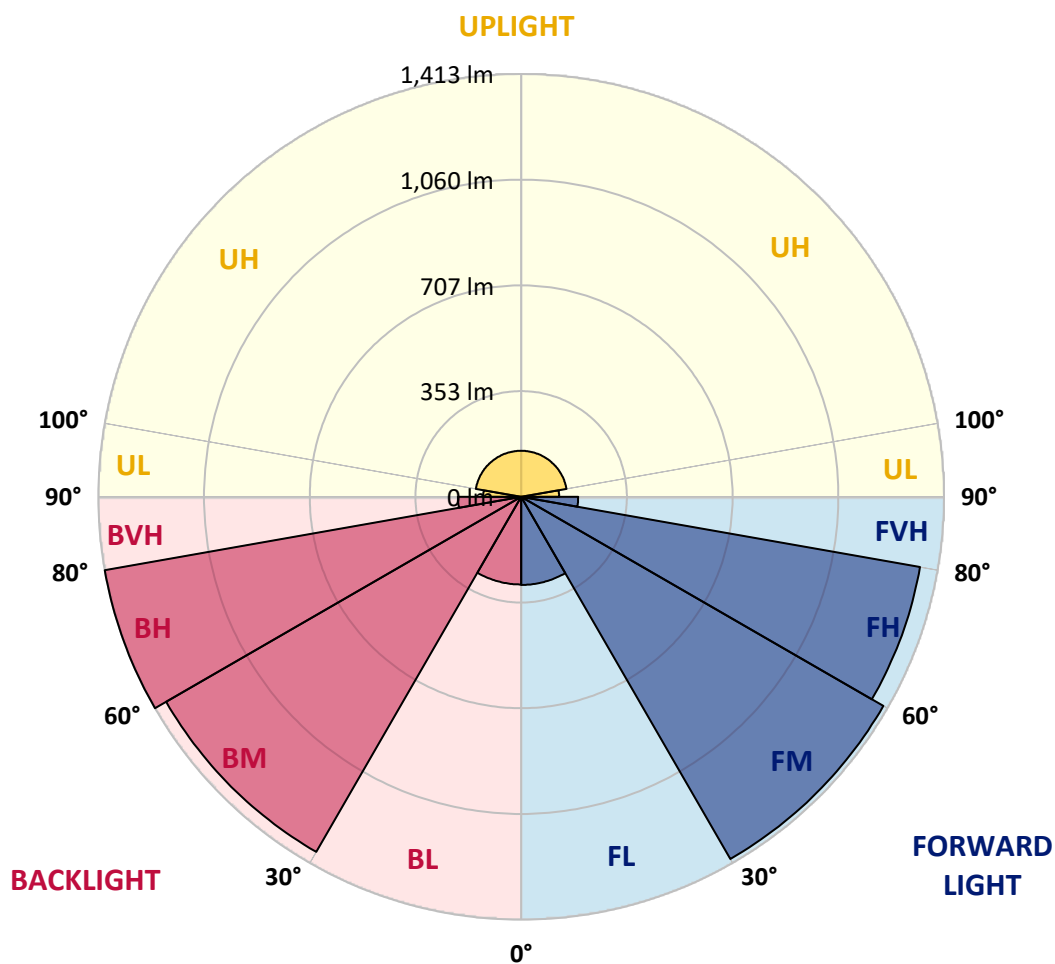
CATALOG NUMBER: CRTK-X-A12-E-120-5-5000-SR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.6	4.3			
FM	(30°-60°)	1397.7	20.5			
FH	(60°-80°)	1353.5	19.8			G1/1800
FVH	(80°-90°)	190.6	2.8			G2/225
BL	(0°-30°)	293.0	4.3	B1/500		
BM	(30°-60°)	1370.0	20.1	B2/2500		
BH	(60°-80°)	1413.1	20.7	B3/2500		G1/1800
BVH	(80°-90°)	211.4	3.1			G2/225
UL	(90°-100°)	126.9	1.9		U3/500	
UH	(100°-180°)	153.8	2.3		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	669.1	669.1	669.1	669.1	670.1	670.1	670.1	669.1	670.1	669.1	670.1
5°	671.2	673.2	675.3	673.2	673.2	673.2	674.3	673.2	673.2	674.3	673.2
7.5°	691.8	693.8	693.8	693.8	692.8	694.9	694.9	692.8	692.8	692.8	693.8
10°	709.3	709.3	709.3	708.2	709.3	709.3	709.3	710.3	710.3	709.3	708.2
12.5°	728.8	729.9	730.9	729.9	731.9	732.9	731.9	730.9	730.9	730.9	731.9
15°	683.5	685.6	682.5	679.4	682.5	692.8	694.9	694.9	692.8	690.7	692.8
17.5°	655.7	651.6	647.5	637.2	639.3	647.5	652.6	652.6	648.5	642.4	643.4
20°	651.6	648.5	642.4	642.4	643.4	647.5	656.8	652.6	642.4	638.2	639.3
22.5°	642.4	646.5	680.4	703.1	687.6	650.6	644.4	647.5	674.3	694.9	686.6
25°	713.4	713.4	705.1	671.2	702.1	714.4	710.3	710.3	712.4	683.5	700.0
27.5°	769.0	746.3	716.5	719.6	716.5	741.2	774.1	766.9	721.6	721.6	726.8
30°	749.4	773.1	777.2	776.2	778.2	772.1	748.4	771.0	780.3	779.3	788.5
32.5°	783.4	789.6	837.9	845.1	842.1	786.5	775.1	784.4	836.9	852.4	860.6
35°	865.7	866.8	863.7	884.3	860.6	858.5	855.4	854.4	856.5	895.6	875.0
37.5°	950.1	957.4	909.0	864.7	901.8	950.1	940.9	942.9	921.3	878.1	935.7
40°	1032.5	975.9	966.6	960.4	965.6	968.7	1030.4	979.0	963.5	985.1	1009.9
42.5°	979.0	1035.6	1077.8	1076.8	1078.8	1042.8	967.6	1017.1	1066.5	1079.9	1131.3
45°	1129.3	1130.3	1123.1	1155.0	1122.1	1115.9	1098.4	1093.2	1099.4	1171.5	1168.4
47.5°	1299.1	1250.7	1171.5	1128.2	1142.6	1208.5	1243.5	1227.1	1140.6	1112.8	1200.3
50°	1195.1	1229.1	1252.8	1274.4	1249.7	1200.3	1140.6	1184.9	1216.8	1263.1	1297.1
52.5°	1274.4	1254.9	1206.5	1187.9	1195.1	1218.8	1187.9	1187.9	1133.4	1136.5	1206.5
55°	1505.0	1477.2	1426.8	1395.9	1403.1	1417.5	1415.4	1404.1	1326.9	1329.0	1387.6
57.5°	1618.2	1623.4	1624.4	1613.1	1594.6	1564.7	1532.8	1549.3	1533.8	1548.2	1577.1
60°	1732.5	1734.6	1737.6	1753.1	1733.5	1695.4	1647.1	1668.7	1675.9	1677.9	1688.2
62.5°	1841.6	1833.4	1810.7	1804.6	1794.3	1776.8	1765.4	1765.4	1754.1	1727.4	1730.4
65°	1856.0	1834.4	1803.5	1787.1	1789.1	1770.6	1757.2	1763.4	1771.6	1742.8	1720.1
67.5°	1630.6	1615.1	1618.2	1626.5	1618.2	1582.2	1563.7	1580.1	1613.1	1615.1	1581.2
70°	1326.9	1315.6	1322.8	1332.1	1338.2	1309.4	1294.0	1307.4	1334.1	1327.9	1298.1
72.5°	1123.1	1102.5	1074.7	1063.4	1079.9	1091.2	1094.3	1096.3	1077.8	1060.3	1052.1
75°	923.4	916.2	912.1	909.0	913.1	903.8	899.7	898.7	906.9	906.9	895.6
77.5°	766.9	767.9	763.8	757.6	761.8	745.3	744.3	745.3	748.4	750.4	751.5
80°	621.8	623.8	620.7	618.7	616.6	599.1	590.9	589.9	598.1	605.3	599.1
82.5°	480.7	476.6	466.3	460.1	455.0	454.0	456.0	455.0	451.9	452.9	456.0
85°	332.5	328.4	330.4	323.2	321.2	320.1	318.1	320.1	324.3	322.2	323.2
87.5°	219.3	222.4	220.3	216.2	215.1	212.1	211.0	214.1	216.2	216.2	222.4
90°	166.8	165.7	161.6	160.6	161.6	160.6	160.6	159.6	160.6	160.6	164.7
92.5°	124.6	125.6	122.5	122.5	124.6	126.6	125.6	123.5	126.6	127.6	128.7
95°	105.0	105.0	104.0	105.0	105.0	105.0	102.9	102.9	105.0	105.0	108.1
97.5°	90.6	91.6	89.6	93.7	92.6	90.6	89.6	88.5	92.6	91.6	93.7
100°	82.4	83.4	81.3	82.4	82.4	81.3	81.3	81.3	82.4	82.4	85.4
102.5°	70.0	69.0	70.0	67.9	69.0	67.9	67.9	70.0	69.0	71.0	72.1
105°	58.7	59.7	59.7	61.8	60.7	61.8	59.7	60.7	62.8	63.8	64.9
107.5°	54.6	52.5	55.6	55.6	56.6	57.6	55.6	55.6	56.6	56.6	59.7
110°	48.4	49.4	51.5	52.5	52.5	54.6	52.5	51.5	52.5	53.5	55.6



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CATALOG NUMBER: CRTK-X-A12-E-120-5-5000-SR

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	44.3	45.3	44.3	46.3	49.4	47.4	47.4	48.4	49.4	49.4	51.5
115°	36.0	35.0	37.1	37.1	38.1	38.1	37.1	38.1	39.1	39.1	43.2
117.5°	28.8	28.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.9	32.9
120°	25.7	27.8	27.8	27.8	27.8	26.8	28.8	29.9	30.9	30.9	29.9
122.5°	25.7	24.7	26.8	25.7	24.7	27.8	26.8	26.8	27.8	28.8	28.8
125°	22.6	22.6	23.7	23.7	24.7	23.7	23.7	23.7	24.7	24.7	27.8
127.5°	23.7	23.7	23.7	24.7	24.7	24.7	25.7	24.7	26.8	27.8	28.8
130°	22.6	23.7	23.7	23.7	22.6	23.7	24.7	22.6	24.7	24.7	26.8
132.5°	24.7	25.7	23.7	23.7	22.6	23.7	23.7	23.7	25.7	24.7	25.7
135°	23.7	23.7	22.6	22.6	24.7	23.7	24.7	23.7	24.7	24.7	23.7
137.5°	19.6	21.6	21.6	20.6	20.6	19.6	20.6	22.6	22.6	20.6	20.6
140°	22.6	20.6	21.6	21.6	21.6	23.7	21.6	21.6	21.6	22.6	22.6
142.5°	20.6	20.6	20.6	21.6	20.6	20.6	21.6	21.6	22.6	20.6	21.6
145°	19.6	19.6	18.5	18.5	17.5	17.5	18.5	18.5	18.5	18.5	18.5
147.5°	20.6	17.5	20.6	17.5	18.5	17.5	19.6	18.5	19.6	18.5	20.6
150°	15.4	16.5	16.5	15.4	14.4	15.4	15.4	16.5	16.5	16.5	16.5
152.5°	14.4	14.4	13.4	13.4	13.4	13.4	12.4	14.4	15.4	15.4	15.4
155°	11.3	12.4	12.4	12.4	12.4	12.4	11.3	12.4	12.4	12.4	11.3
157.5°	11.3	11.3	10.3	10.3	9.3	10.3	11.3	10.3	12.4	10.3	10.3
160°	9.3	9.3	9.3	8.2	9.3	8.2	9.3	8.2	9.3	9.3	9.3
162.5°	9.3	7.2	9.3	8.2	8.2	7.2	7.2	6.2	6.2	6.2	6.2
165°	9.3	8.2	8.2	7.2	7.2	8.2	6.2	6.2	6.2	6.2	6.2
167.5°	7.2	8.2	7.2	8.2	8.2	7.2	6.2	6.2	8.2	7.2	7.2
170°	4.1	5.1	5.1	4.1	5.1	6.2	4.1	5.1	7.2	4.1	4.1
172.5°	3.1	3.1	4.1	4.1	3.1	3.1	4.1	2.1	3.1	4.1	3.1
175°	1.0	3.1	3.1	3.1	2.1	3.1	2.1	2.1	4.1	3.1	3.1
177.5°	1.0	0.0	0.0	0.0	1.0	1.0	2.1	1.0	0.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	670.1	670.1	670.1	671.2	669.1	670.1	670.1	671.2	671.2	671.2	672.2
5°	673.2	673.2	674.3	673.2	673.2	673.2	672.2	673.2	671.2	671.2	672.2
7.5°	692.8	694.9	692.8	692.8	693.8	691.8	692.8	694.9	690.7	691.8	689.7
10°	709.3	709.3	710.3	709.3	710.3	711.3	709.3	709.3	707.2	707.2	706.2
12.5°	729.9	730.9	732.9	730.9	732.9	730.9	731.9	728.8	728.8	729.9	726.8
15°	695.9	703.1	705.1	703.1	703.1	706.2	711.3	717.5	717.5	713.4	713.4
17.5°	647.5	647.5	647.5	651.6	653.7	654.7	650.6	648.5	648.5	655.7	664.0
20°	640.3	660.9	655.7	637.2	641.3	642.4	650.6	668.1	658.8	639.3	633.1
22.5°	650.6	639.3	642.4	668.1	694.9	694.9	665.0	647.5	653.7	682.5	690.7
25°	711.3	709.3	709.3	704.1	687.6	696.9	713.4	716.5	717.5	707.2	688.7
27.5°	755.6	785.4	778.2	723.7	722.6	741.2	795.7	797.8	804.0	756.6	715.4
30°	797.8	807.1	804.0	790.6	787.5	795.7	807.1	800.9	808.1	792.6	779.3
32.5°	846.2	840.0	840.0	867.8	861.6	859.6	826.6	811.2	830.7	848.2	851.3
35°	891.5	914.1	912.1	909.0	944.0	884.3	885.3	904.9	894.6	877.1	931.6
37.5°	1006.8	999.6	1003.7	984.1	915.1	940.9	980.0	996.5	986.2	950.1	904.9
40°	1078.8	1102.5	1062.4	1033.5	1018.1	991.3	1020.1	1098.4	1044.9	988.2	1007.8
42.5°	1163.2	1076.8	1133.4	1159.1	1126.2	1103.5	1108.7	1065.4	1113.8	1096.3	1104.6
45°	1227.1	1251.8	1228.1	1272.4	1239.4	1179.7	1166.3	1211.6	1177.6	1167.4	1231.2
47.5°	1346.5	1477.2	1409.3	1327.9	1177.6	1206.5	1302.2	1376.3	1336.2	1210.6	1156.0
50°	1331.0	1409.3	1427.8	1487.5	1414.4	1314.6	1292.9	1310.4	1307.4	1321.8	1389.7
52.5°	1303.2	1425.7	1441.2	1533.8	1298.1	1230.1	1278.5	1301.2	1307.4	1229.1	1261.0
55°	1490.6	1631.6	1648.1	1673.8	1554.4	1465.9	1491.6	1565.7	1520.4	1438.1	1487.5
57.5°	1642.9	1732.5	1789.1	1835.4	1800.4	1716.0	1740.7	1761.3	1743.8	1712.9	1822.1
60°	1744.9	1841.6	1896.2	1956.9	1949.7	1845.7	1868.4	1866.3	1904.4	1846.8	1954.9
62.5°	1819.0	1944.6	1992.9	2008.4	1964.1	1909.6	1938.4	2004.3	1968.2	1908.5	1955.9
65°	1784.0	1882.8	1918.8	1996.0	1946.6	1929.1	1922.9	2026.9	1961.0	1940.4	1967.2
67.5°	1585.3	1653.2	1673.8	1794.3	1759.3	1772.6	1749.0	1801.5	1772.6	1794.3	1812.8
70°	1311.5	1375.3	1367.1	1463.8	1440.1	1470.0	1453.5	1475.1	1465.9	1487.5	1499.9
72.5°	1082.9	1138.5	1133.4	1165.3	1143.7	1174.6	1159.1	1164.3	1175.6	1201.3	1198.2
75°	918.2	949.1	933.7	959.4	937.8	961.5	924.4	906.9	940.9	981.0	971.8
77.5°	771.0	790.6	792.6	800.9	773.1	793.7	754.6	749.4	770.0	815.3	805.0
80°	607.4	625.9	646.5	646.5	626.9	629.0	602.2	606.3	608.4	630.0	644.4
82.5°	463.2	476.6	486.9	489.0	469.4	462.2	454.0	466.3	463.2	473.5	486.9
85°	325.3	331.5	337.6	341.8	335.6	329.4	327.4	331.5	331.5	339.7	347.9
87.5°	226.5	224.4	229.6	228.5	223.4	216.2	218.2	214.1	222.4	225.4	232.6
90°	167.8	170.9	171.9	166.8	161.6	158.5	160.6	159.6	159.6	163.7	168.8
92.5°	132.8	133.8	135.9	133.8	126.6	124.6	121.5	123.5	123.5	127.6	129.7
95°	112.2	114.3	116.3	114.3	110.1	104.0	104.0	100.9	104.0	107.1	112.2
97.5°	94.7	98.8	98.8	98.8	94.7	91.6	91.6	88.5	89.6	93.7	97.8
100°	87.5	87.5	89.6	88.5	85.4	83.4	83.4	80.3	82.4	86.5	87.5
102.5°	74.1	72.1	75.1	74.1	73.1	72.1	71.0	69.0	72.1	74.1	77.2
105°	65.9	64.9	66.9	67.9	64.9	63.8	61.8	61.8	63.8	67.9	69.0
107.5°	60.7	60.7	59.7	61.8	57.6	57.6	54.6	54.6	56.6	59.7	60.7
110°	56.6	56.6	57.6	55.6	54.6	55.6	53.5	54.6	56.6	57.6	57.6



REPORT NUMBER: P14234

CATALOG NUMBER: CRTK-X-A12-E-120-5-5000-SR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	52.5	54.6	54.6	53.5	52.5	54.6	51.5	50.4	53.5	56.6	54.6
115°	44.3	45.3	46.3	45.3	44.3	43.2	42.2	42.2	44.3	45.3	46.3
117.5°	35.0	36.0	37.1	36.0	35.0	34.0	34.0	35.0	34.0	36.0	37.1
120°	30.9	31.9	32.9	34.0	30.9	31.9	31.9	29.9	29.9	34.0	30.9
122.5°	28.8	29.9	31.9	30.9	27.8	27.8	27.8	28.8	27.8	27.8	29.9
125°	28.8	27.8	29.9	27.8	27.8	26.8	25.7	25.7	26.8	26.8	27.8
127.5°	28.8	27.8	29.9	26.8	26.8	25.7	28.8	27.8	26.8	27.8	27.8
130°	25.7	25.7	25.7	25.7	23.7	24.7	24.7	24.7	25.7	23.7	26.8
132.5°	23.7	24.7	24.7	23.7	23.7	23.7	23.7	23.7	23.7	24.7	24.7
135°	23.7	24.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	24.7	23.7
137.5°	21.6	19.6	20.6	20.6	20.6	20.6	20.6	21.6	20.6	21.6	21.6
140°	22.6	22.6	22.6	22.6	21.6	22.6	22.6	21.6	21.6	21.6	21.6
142.5°	20.6	21.6	19.6	20.6	21.6	20.6	19.6	19.6	20.6	20.6	20.6
145°	18.5	17.5	17.5	17.5	19.6	18.5	18.5	17.5	18.5	18.5	18.5
147.5°	19.6	18.5	18.5	18.5	18.5	17.5	18.5	20.6	19.6	19.6	18.5
150°	16.5	15.4	15.4	15.4	15.4	14.4	15.4	14.4	14.4	15.4	15.4
152.5°	13.4	13.4	13.4	13.4	12.4	12.4	13.4	12.4	13.4	14.4	13.4
155°	12.4	12.4	11.3	9.3	12.4	10.3	11.3	9.3	11.3	11.3	10.3
157.5°	9.3	8.2	9.3	8.2	8.2	8.2	8.2	9.3	9.3	7.2	8.2
160°	7.2	8.2	8.2	8.2	7.2	8.2	7.2	6.2	8.2	7.2	8.2
162.5°	7.2	7.2	6.2	7.2	5.1	5.1	6.2	5.1	6.2	6.2	6.2
165°	5.1	5.1	6.2	6.2	5.1	5.1	5.1	5.1	5.1	6.2	5.1
167.5°	6.2	6.2	6.2	6.2	7.2	5.1	6.2	5.1	5.1	6.2	5.1
170°	5.1	5.1	4.1	4.1	3.1	4.1	3.1	3.1	5.1	4.1	3.1
172.5°	2.1	3.1	4.1	3.1	2.1	3.1	2.1	2.1	3.1	3.1	3.1
175°	4.1	3.1	3.1	2.1	2.1	3.1	3.1	2.1	2.1	3.1	2.1
177.5°	0.0	0.0	1.0	0.0	2.1	1.0	0.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



REPORT NUMBER: P14234

CATALOG NUMBER: CRTK-X-A12-E-120-5-5000-SR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	671.2	671.2	672.2	671.2	669.1	671.2	671.2	670.1	670.1	670.1	670.1
5°	673.2	673.2	672.2	671.2	672.2	670.1	670.1	670.1	670.1	670.1	671.2
7.5°	689.7	690.7	693.8	687.6	688.7	687.6	685.6	689.7	686.6	687.6	687.6
10°	706.2	707.2	704.1	703.1	704.1	702.1	703.1	701.0	701.0	703.1	700.0
12.5°	727.8	724.7	722.6	723.7	722.6	721.6	720.6	720.6	719.6	720.6	728.8
15°	713.4	717.5	716.5	719.6	718.5	713.4	711.3	716.5	717.5	715.4	709.3
17.5°	660.9	649.6	643.4	648.5	658.8	664.0	654.7	644.4	644.4	649.6	657.8
20°	632.1	646.5	665.0	652.6	630.0	626.9	632.1	649.6	664.0	647.5	625.9
22.5°	678.4	646.5	629.0	642.4	668.1	677.4	674.3	648.5	631.0	646.5	670.1
25°	688.7	692.8	693.8	691.8	690.7	691.8	688.7	688.7	687.6	685.6	691.8
27.5°	720.6	758.7	779.3	763.8	716.5	704.1	713.4	748.4	757.6	749.4	714.4
30°	785.4	791.6	801.9	781.3	771.0	760.7	752.5	751.5	764.9	752.5	750.4
32.5°	868.8	833.8	819.4	852.4	839.0	821.5	819.4	775.1	740.1	775.1	813.2
35°	913.1	891.5	895.6	882.2	857.5	885.3	836.9	818.4	813.2	813.2	837.9
37.5°	971.8	982.1	972.8	965.6	929.6	851.3	893.5	906.9	900.7	902.8	884.3
40°	1016.0	1030.4	1080.9	1061.3	976.9	947.1	931.6	964.6	994.4	965.6	907.9
42.5°	1126.2	1126.2	1076.8	1128.2	1128.2	1040.7	1025.3	1014.0	949.1	1009.9	1019.1
45°	1228.1	1209.6	1222.9	1184.9	1170.4	1166.3	1100.4	1028.4	1033.5	1050.0	1106.6
47.5°	1301.2	1376.3	1438.1	1360.9	1209.6	1068.5	1126.2	1182.8	1183.8	1196.2	1125.1
50°	1458.7	1450.4	1449.4	1383.5	1304.3	1260.0	1230.1	1198.2	1169.4	1174.6	1214.7
52.5°	1480.3	1453.5	1419.6	1309.4	1217.8	1134.4	1112.8	1132.4	1138.5	1165.3	1166.3
55°	1687.2	1659.4	1599.7	1453.5	1348.5	1268.2	1255.9	1309.4	1336.2	1332.1	1309.4
57.5°	1876.6	1792.2	1732.5	1627.5	1541.0	1465.9	1471.0	1515.3	1511.2	1522.5	1502.9
60°	2018.7	1885.9	1841.6	1734.6	1701.6	1660.4	1636.8	1622.4	1621.3	1650.1	1688.2
62.5°	2076.3	1990.9	1962.1	1831.3	1750.0	1700.6	1727.4	1742.8	1738.7	1753.1	1777.8
65°	2061.9	1963.1	1933.2	1827.2	1772.6	1752.1	1772.6	1778.8	1778.8	1787.1	1805.6
67.5°	1876.6	1747.9	1742.8	1679.0	1671.8	1674.9	1687.2	1683.1	1681.0	1691.3	1710.9
70°	1542.1	1449.4	1454.6	1400.0	1410.3	1421.6	1441.2	1444.3	1456.6	1457.6	1459.7
72.5°	1225.0	1185.9	1190.0	1137.5	1144.7	1166.3	1172.5	1162.2	1158.1	1168.4	1192.1
75°	1004.7	985.1	1012.9	980.0	980.0	984.1	987.2	996.5	1003.7	1007.8	1014.0
77.5°	846.2	844.1	860.6	844.1	839.0	842.1	841.0	849.3	855.4	865.7	877.1
80°	677.4	682.5	672.2	661.9	653.7	661.9	666.0	673.2	682.5	680.4	684.6
82.5°	513.7	521.9	515.7	507.5	504.4	508.5	510.6	512.6	518.8	520.9	529.1
85°	369.6	370.6	365.4	361.3	367.5	369.6	373.7	379.9	380.9	381.9	382.9
87.5°	242.9	246.0	245.0	249.1	249.1	245.0	246.0	246.0	245.0	252.2	256.3
90°	174.0	179.1	182.2	179.1	177.1	176.0	175.0	177.1	176.0	176.0	176.0
92.5°	137.9	141.0	143.1	141.0	139.0	136.9	136.9	136.9	135.9	134.9	134.9
95°	118.4	121.5	121.5	118.4	117.4	113.2	112.2	112.2	110.1	111.2	111.2
97.5°	101.9	106.0	105.0	101.9	99.9	95.7	95.7	95.7	96.8	96.8	96.8
100°	90.6	93.7	92.6	91.6	89.6	89.6	88.5	86.5	87.5	88.5	89.6
102.5°	79.3	80.3	81.3	83.4	79.3	79.3	81.3	78.2	79.3	77.2	78.2
105°	72.1	73.1	72.1	74.1	72.1	72.1	73.1	72.1	72.1	72.1	73.1
107.5°	62.8	64.9	66.9	65.9	64.9	64.9	64.9	64.9	64.9	63.8	65.9
110°	58.7	61.8	61.8	60.7	61.8	59.7	58.7	58.7	59.7	60.7	61.8



REPORT NUMBER: P14234

CATALOG NUMBER: CRTK-X-A12-E-120-5-5000-SR

REPORT N

CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
112.5°	56.6	57.6	58.7	58.7	58.7	56.6	56.6	57.6	57.6	58.7	56.6	0°
115°	48.4	50.4	49.4	51.5	46.3	51.5	48.4	46.3	50.4	48.4	47.4	2.5°
117.5°	39.1	41.2	40.1	39.1	38.1	37.1	38.1	37.1	36.0	36.0	36.0	5°
120°	35.0	35.0	36.0	34.0	32.9	32.9	31.9	32.9	29.9	27.8	27.8	7.5°
122.5°	31.9	31.9	31.9	29.9	30.9	30.9	28.8	29.9	27.8	25.7	23.7	10°
125°	27.8	29.9	27.8	28.8	27.8	27.8	26.8	25.7	25.7	24.7	21.6	12.5°
127.5°	28.8	29.9	30.9	29.9	29.9	28.8	28.8	26.8	25.7	24.7	22.6	15°
130°	27.8	28.8	27.8	28.8	28.8	26.8	25.7	23.7	24.7	22.6	21.6	17.5°
132.5°	25.7	26.8	26.8	25.7	25.7	25.7	24.7	23.7	21.6	20.6	18.5	20°
135°	24.7	23.7	24.7	23.7	24.7	24.7	22.6	21.6	21.6	19.6	16.5	22.5°
137.5°	21.6	22.6	21.6	21.6	22.6	20.6	22.6	18.5	18.5	15.4	14.4	25°
140°	21.6	22.6	23.7	21.6	21.6	20.6	21.6	18.5	18.5	15.4	15.4	27.5°
142.5°	21.6	20.6	19.6	20.6	20.6	19.6	19.6	18.5	17.5	14.4	13.4	30°
145°	17.5	18.5	17.5	16.5	16.5	16.5	16.5	14.4	13.4	13.4	11.3	32.5°
147.5°	17.5	18.5	17.5	18.5	17.5	16.5	16.5	15.4	13.4	11.3	14.4	35°
150°	14.4	15.4	16.5	15.4	14.4	14.4	13.4	13.4	10.3	10.3	9.3	37.5°
152.5°	13.4	12.4	14.4	13.4	14.4	13.4	12.4	11.3	10.3	9.3	7.2	40°
155°	12.4	11.3	11.3	12.4	10.3	11.3	11.3	10.3	8.2	9.3	8.2	42.5°
157.5°	9.3	9.3	8.2	9.3	9.3	10.3	9.3	7.2	7.2	6.2	6.2	45°
160°	7.2	7.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	5.1	8.2	47.5°
162.5°	6.2	6.2	5.1	5.1	6.2	5.1	4.1	5.1	4.1	5.1	4.1	50°
165°	6.2	6.2	5.1	5.1	7.2	6.2	5.1	5.1	4.1	5.1	5.1	52.5°
167.5°	6.2	6.2	5.1	7.2	4.1	6.2	5.1	4.1	4.1	5.1	5.1	55°
170°	4.1	4.1	4.1	3.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	57.5°
172.5°	1.0	3.1	2.1	2.1	2.1	3.1	1.0	2.1	2.1	2.1	2.1	60°
175°	3.1	3.1	2.1	3.1	3.1	2.1	3.1	3.1	3.1	3.1	2.1	62.5°
177.5°	1.0	1.0	1.0	2.1	0.0	1.0	1.0	0.0	1.0	1.0	1.0	65°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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°



NUMBER: P14234

NUMBER: CRTK-X-A12-E-120-5-5000-SR

REPORT NUMBER: P

CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
670.1	670.1	670.1	670.1
672.2	670.1	670.1	670.1
670.1	672.2	670.1	670.1
686.6	687.6	686.6	686.6
700.0	702.1	699.0	700.0
718.5	719.6	718.5	718.5
705.1	707.2	711.3	711.3
664.0	653.7	643.4	639.3
622.8	629.0	648.5	661.9
677.4	673.2	647.5	629.0
694.9	690.7	688.7	685.6
696.9	711.3	748.4	755.6
753.5	752.5	753.5	775.1
812.2	817.4	782.4	747.4
880.1	841.0	822.5	817.4
831.8	893.5	912.1	897.6
911.0	913.1	968.7	990.3
1007.8	1011.9	1009.9	962.5
1143.7	1108.7	1039.7	1030.4
1042.8	1135.4	1196.2	1196.2
1250.7	1253.8	1225.0	1207.5
1160.1	1174.6	1190.0	1193.1
1309.4	1333.1	1366.0	1379.4
1523.5	1559.6	1567.8	1560.6
1722.2	1722.2	1688.2	1664.6
1790.1	1803.5	1804.6	1800.4
1822.1	1850.9	1852.9	1843.7
1720.1	1736.6	1743.8	1760.3
1456.6	1471.0	1478.2	1490.6
1201.3	1204.4	1197.2	1198.2
1015.0	1026.3	1031.5	1040.7
885.3	891.5	889.4	889.4
690.7	703.1	711.3	714.4
536.3	548.7	551.8	555.9
388.1	397.4	404.6	407.6
257.4	262.5	264.6	261.5
179.1	183.2	183.2	186.3
136.9	139.0	139.0	137.9
112.2	111.2	110.1	109.1
100.9	99.9	98.8	99.9
89.6	90.6	89.6	89.6
80.3	79.3	81.3	81.3
74.1	73.1	74.1	74.1
64.9	62.8	60.7	62.8
59.7	53.5	50.4	48.4

CANDELA DISTRIBUTION:

	165°
112.5°	55.6
115°	44.3
117.5°	31.9
120°	25.7
122.5°	20.6
125°	19.6
127.5°	18.5
130°	18.5
132.5°	16.5
135°	15.4
137.5°	11.3
140°	12.4
142.5°	12.4
145°	9.3
147.5°	11.3
150°	8.2
152.5°	8.2
155°	7.2
157.5°	5.1
160°	6.2
162.5°	3.1
165°	4.1
167.5°	5.1
170°	3.1
172.5°	2.1
175°	3.1
177.5°	1.0
180°	1.0



'14234

CRTK-X-A12-E-120-5-5000-SR

TION (continued):

170°	175°	180°
49.4	44.3	44.3
37.1	35.0	34.0
26.8	23.7	22.6
24.7	18.5	19.6
18.5	14.4	14.4
14.4	12.4	12.4
16.5	13.4	14.4
14.4	11.3	10.3
13.4	11.3	9.3
12.4	10.3	9.3
10.3	7.2	8.2
10.3	10.3	8.2
11.3	10.3	9.3
9.3	8.2	9.3
9.3	10.3	8.2
8.2	7.2	6.2
8.2	6.2	7.2
6.2	6.2	6.2
6.2	6.2	5.1
5.1	4.1	5.1
4.1	3.1	4.1
5.1	3.1	3.1
4.1	5.1	3.1
3.1	3.1	3.1
2.1	2.1	2.1
2.1	2.1	2.1
0.0	0.0	1.0
1.0	1.0	1.0

(END OF REPORT)