

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: P691556

Luminaire Tested: **CRTK2-C016-D-U-T5R-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6356 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

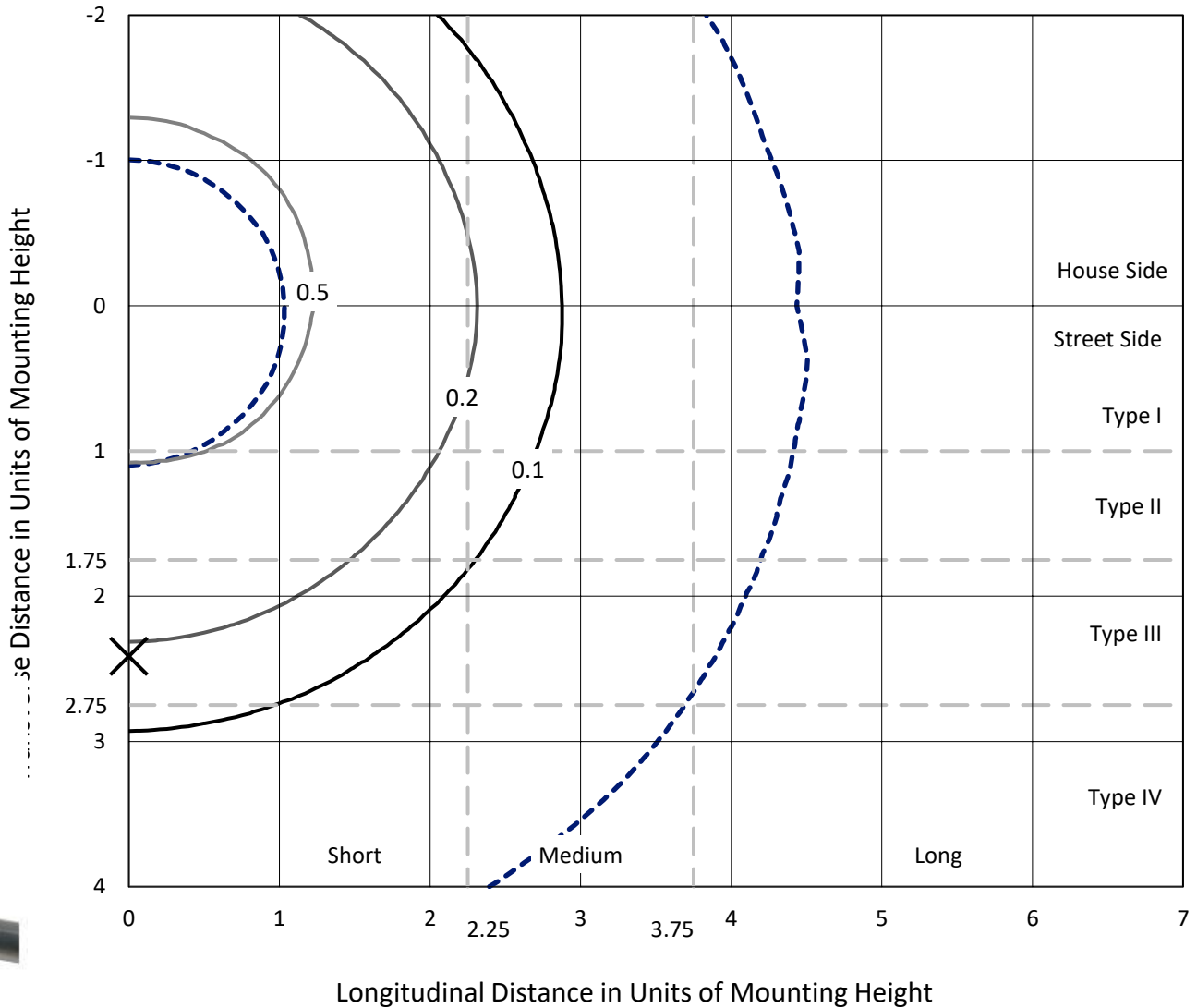
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691556
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

Iso-Footcandle Lines of Horizontal Illumination

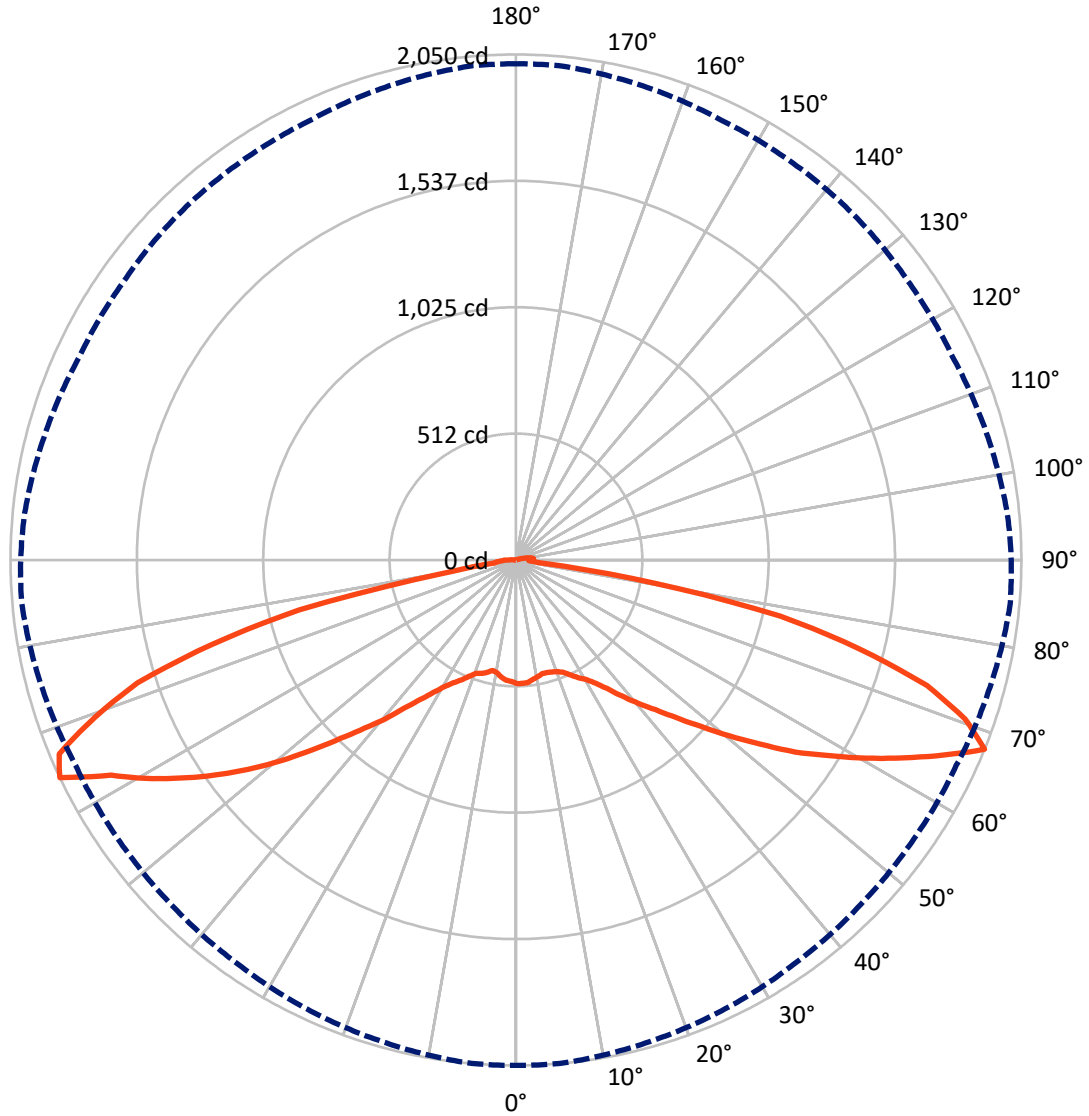
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

REPORT NUMBER: P691556
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691556
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

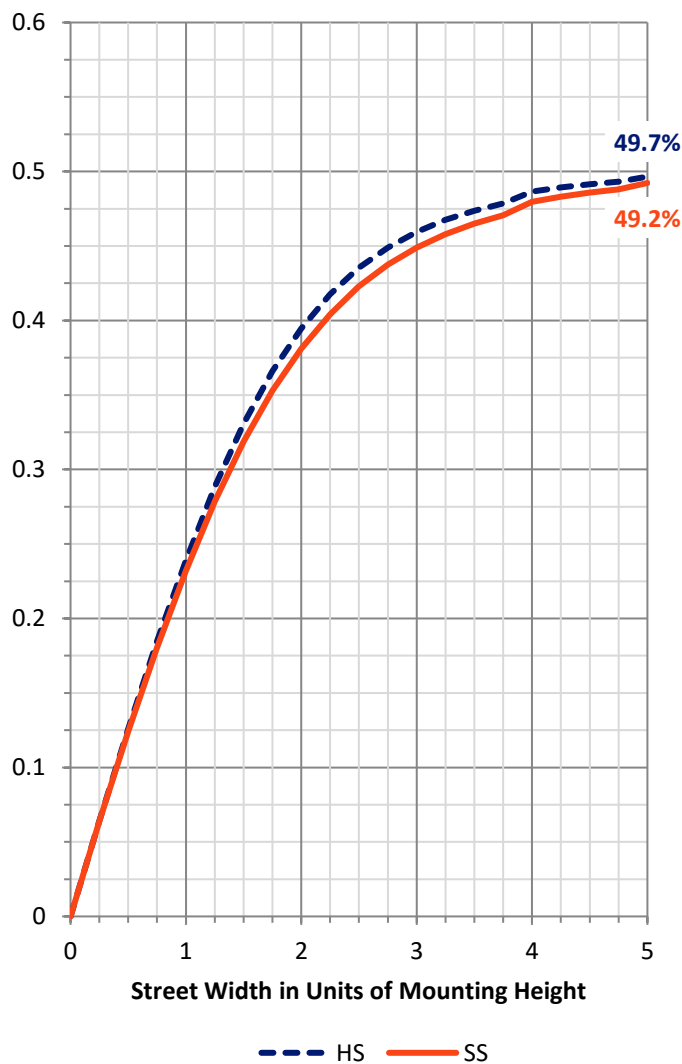
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3147.0	29.8	3176.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3137.0	42.2	3179.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	6284.0	72.0	6356.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	0.7
10°-20°	138.3	2.2
20°-30°	250.0	3.9
30°-40°	431.1	6.8
40°-50°	764.8	12.0
50°-60°	1302.1	20.5
60°-70°	1865.5	29.4
70°-80°	1356.4	21.3
80°-90°	128.8	2.0
90°-100°	58.1	0.9
100°-110°	13.9	0.2
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°	6284.0	98.9
0°-180°	6356.0	100.0

Coefficient of Utilization



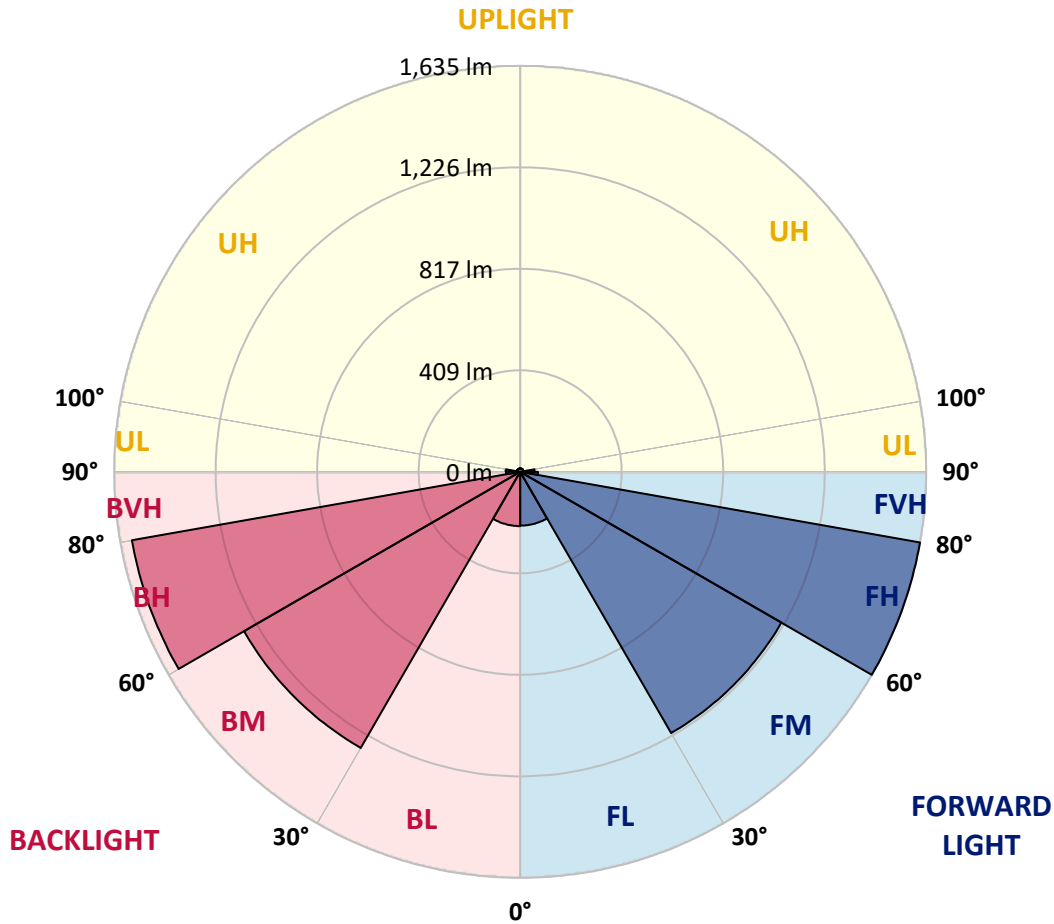
REPORT NUMBER: P691556
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.6	3.4			
FM (30°-60°)	1214.3	19.1			
FH (60°-80°)	1634.6	25.7			G1/1800
FVH (80°-90°)	71.5	1.1			G1/100
BL (0°-30°)	218.6	3.4	B1/500		
BM (30°-60°)	1283.8	20.2	B2/2500		
BH (60°-80°)	1587.3	25.0	B3/2500		G1/1800
BVH (80°-90°)	57.2	0.9			G1/100
UL (90°-100°)	58.1	0.9		U3/500	
UH (100°-180°)	13.9	0.2		U2/50	

BUG Rating: B3-U3-G1

Type V Short





REPORT NUMBER: P691556

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
2.5°	501.0	501.0	501.0	501.0	501.0	501.0	499.1	495.1	495.1	495.1	495.1
5°	499.1	499.1	499.1	499.1	501.0	501.0	501.0	497.1	497.1	497.1	497.1
7.5°	489.2	489.2	491.1	491.1	493.1	495.1	493.1	493.1	493.1	495.1	495.1
10°	481.2	481.2	483.2	483.2	485.2	485.2	489.2	489.2	491.1	493.1	493.1
12.5°	473.3	473.3	475.3	479.3	481.2	483.2	485.2	487.2	491.1	493.1	493.1
15°	473.3	473.3	473.3	477.3	483.2	487.2	489.2	493.1	497.1	499.1	501.0
17.5°	477.3	477.3	477.3	481.2	485.2	491.1	497.1	499.1	503.0	507.0	507.0
20°	483.2	483.2	485.2	489.2	495.1	499.1	503.0	509.0	512.9	516.9	518.9
22.5°	495.1	497.1	497.1	499.1	505.0	510.9	514.9	518.9	524.8	528.8	532.7
25°	516.9	514.9	514.9	518.9	522.8	528.8	530.8	534.7	540.7	546.6	548.6
27.5°	540.7	538.7	538.7	542.6	546.6	550.6	552.5	558.5	564.4	570.4	572.3
30°	562.4	562.4	564.4	568.4	572.3	578.3	580.3	586.2	590.2	598.1	598.1
32.5°	596.1	598.1	600.1	602.0	606.0	612.0	617.9	619.9	623.8	629.8	633.7
35°	641.7	645.6	645.6	647.6	657.5	663.4	659.5	665.4	671.4	679.3	683.2
37.5°	701.1	699.1	705.0	713.0	714.9	720.9	718.9	722.9	730.8	740.7	746.6
40°	764.4	766.4	766.4	768.4	774.3	776.3	784.2	790.2	798.1	812.0	815.9
42.5°	829.8	833.8	837.7	839.7	849.6	851.6	857.5	865.4	875.3	885.3	889.2
45°	911.0	909.0	918.9	922.9	932.8	944.7	944.7	948.6	964.5	974.4	980.3
47.5°	1008.0	1012.0	1017.9	1023.9	1039.7	1041.7	1051.6	1057.5	1067.4	1077.4	1079.3
50°	1120.9	1120.9	1126.9	1138.7	1148.6	1158.5	1164.5	1172.4	1180.3	1196.2	1204.1
52.5°	1239.7	1241.7	1249.6	1261.5	1277.4	1279.4	1285.3	1299.2	1305.1	1309.1	1322.9
55°	1374.4	1368.5	1374.4	1392.2	1410.1	1408.1	1410.1	1425.9	1435.8	1443.7	1447.7
57.5°	1497.2	1497.2	1503.1	1517.0	1521.0	1526.9	1528.9	1542.8	1554.6	1564.5	1566.5
60°	1631.9	1629.9	1633.9	1645.7	1659.6	1659.6	1657.6	1671.5	1683.4	1685.3	1699.2
62.5°	1766.5	1760.6	1764.6	1772.5	1780.4	1772.5	1780.4	1792.3	1802.2	1810.1	1814.1
65°	1907.2	1899.2	1901.2	1893.3	1881.4	1871.5	1889.3	1923.0	1952.7	1968.5	1970.5
67.5°	2049.7	2049.7	2028.0	2008.2	1988.3	1976.5	1970.5	1970.5	1990.3	2012.1	2008.2
70°	1932.9	1936.9	1919.0	1905.2	1873.5	1863.6	1857.6	1837.8	1847.7	1853.7	1839.8
72.5°	1742.8	1721.0	1713.1	1707.1	1683.4	1665.5	1645.7	1631.9	1625.9	1629.9	1614.0
75°	1439.8	1483.3	1459.6	1447.7	1431.8	1423.9	1372.4	1356.6	1354.6	1370.5	1370.5
77.5°	1095.2	1118.9	1103.1	1109.0	1085.3	1081.3	1061.5	1043.7	1029.8	1025.9	986.3
80°	568.4	586.2	590.2	610.0	606.0	594.1	580.3	528.8	514.9	522.8	485.2
82.5°	103.0	106.9	108.9	110.9	103.0	106.9	108.9	99.0	105.0	103.0	99.0
85°	59.4	59.4	61.4	61.4	57.4	53.5	57.4	55.5	55.5	59.4	59.4
87.5°	51.5	53.5	55.5	55.5	49.5	45.5	49.5	49.5	51.5	53.5	53.5
90°	53.5	53.5	57.4	57.4	51.5	47.5	53.5	55.5	55.5	55.5	57.4
92.5°	71.3	69.3	71.3	71.3	65.4	61.4	69.3	69.3	69.3	69.3	71.3
95°	69.3	67.3	69.3	67.3	63.4	59.4	65.4	67.3	67.3	67.3	69.3
97.5°	59.4	59.4	59.4	59.4	53.5	51.5	59.4	59.4	57.4	57.4	59.4
100°	45.5	43.6	43.6	43.6	41.6	41.6	45.5	43.6	41.6	43.6	45.5
102.5°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	27.7	27.7	27.7	31.7
105°	17.8	17.8	15.8	15.8	15.8	15.8	15.8	13.9	13.9	13.9	17.8
107.5°	5.9	5.9	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	5.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691556
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691556

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
2.5°	497.1	497.1	499.1	497.1	497.1	495.1	493.1	491.1	493.1	493.1
5°	497.1	499.1	497.1	495.1	493.1	491.1	491.1	487.2	487.2	489.2
7.5°	495.1	499.1	495.1	493.1	487.2	485.2	483.2	479.3	479.3	479.3
10°	493.1	493.1	491.1	483.2	479.3	473.3	471.3	467.4	465.4	463.4
12.5°	493.1	493.1	487.2	481.2	475.3	467.4	465.4	461.4	459.5	457.5
15°	499.1	501.0	497.1	489.2	479.3	477.3	471.3	469.4	467.4	471.3
17.5°	509.0	507.0	503.0	495.1	489.2	487.2	479.3	479.3	477.3	481.2
20°	518.9	514.9	510.9	507.0	499.1	495.1	495.1	489.2	491.1	487.2
22.5°	530.8	532.7	526.8	520.9	514.9	512.9	510.9	510.9	509.0	509.0
25°	550.6	550.6	546.6	540.7	536.7	532.7	530.8	532.7	528.8	534.7
27.5°	574.3	572.3	572.3	568.4	562.4	560.5	558.5	560.5	558.5	558.5
30°	598.1	602.0	598.1	596.1	592.1	592.1	590.2	590.2	592.1	590.2
32.5°	635.7	637.7	637.7	635.7	631.8	629.8	629.8	631.8	635.7	633.7
35°	685.2	687.2	691.2	695.1	695.1	691.2	687.2	685.2	687.2	687.2
37.5°	750.6	752.6	756.5	756.5	754.5	752.6	754.5	758.5	750.6	750.6
40°	817.9	815.9	819.9	823.9	825.8	823.9	821.9	825.8	829.8	835.7
42.5°	893.2	897.1	899.1	907.0	911.0	911.0	909.0	915.0	916.9	916.9
45°	982.3	992.2	988.2	1002.1	1014.0	1016.0	1010.0	1014.0	1010.0	1014.0
47.5°	1085.3	1093.2	1101.1	1113.0	1118.9	1122.9	1120.9	1124.9	1128.8	1128.8
50°	1202.1	1208.1	1221.9	1237.8	1247.7	1247.7	1239.7	1247.7	1255.6	1253.6
52.5°	1324.9	1336.8	1350.7	1364.5	1372.4	1374.4	1374.4	1380.4	1378.4	1378.4
55°	1453.6	1463.5	1481.4	1489.3	1499.2	1503.1	1503.1	1505.1	1503.1	1503.1
57.5°	1576.4	1588.3	1602.2	1618.0	1627.9	1631.9	1627.9	1627.9	1627.9	1623.9
60°	1703.2	1711.1	1725.0	1736.8	1742.8	1750.7	1750.7	1748.7	1746.7	1744.8
62.5°	1820.0	1824.0	1827.9	1829.9	1835.9	1851.7	1851.7	1861.6	1861.6	1859.6
65°	1972.5	1954.7	1938.8	1942.8	1956.7	1970.5	1982.4	2022.0	2041.8	2049.7
67.5°	2002.2	1976.5	1952.7	1950.7	1958.6	1962.6	1968.5	1990.3	2012.1	2012.1
70°	1827.9	1812.1	1790.3	1800.2	1806.1	1800.2	1808.1	1822.0	1841.8	1824.0
72.5°	1602.2	1576.4	1592.3	1602.2	1592.3	1584.3	1588.3	1586.3	1600.2	1614.0
75°	1352.6	1299.2	1299.2	1299.2	1303.1	1285.3	1285.3	1287.3	1313.0	1277.4
77.5°	1002.1	964.5	954.6	915.0	911.0	887.2	903.1	893.2	916.9	903.1
80°	467.4	451.5	445.6	406.0	398.1	334.7	358.5	318.8	330.7	297.1
82.5°	97.0	95.1	93.1	83.2	75.3	65.4	77.2	87.1	89.1	87.1
85°	61.4	63.4	63.4	59.4	55.5	49.5	59.4	73.3	77.2	77.2
87.5°	53.5	55.5	55.5	53.5	49.5	43.6	49.5	55.5	57.4	55.5
90°	57.4	59.4	57.4	55.5	51.5	45.5	51.5	53.5	43.6	45.5
92.5°	69.3	69.3	67.3	67.3	65.4	57.4	63.4	51.5	19.8	5.9
95°	67.3	65.4	65.4	63.4	61.4	51.5	51.5	13.9	0.0	0.0
97.5°	57.4	53.5	53.5	51.5	51.5	43.6	31.7	0.0	0.0	0.0
100°	43.6	37.6	37.6	35.6	35.6	29.7	11.9	0.0	0.0	0.0
102.5°	29.7	23.8	21.8	19.8	19.8	17.8	2.0	0.0	0.0	0.0
105°	15.8	9.9	7.9	5.9	5.9	4.0	0.0	0.0	0.0	0.0
107.5°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691556
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)