

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: P691950

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9650 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U5 - G3

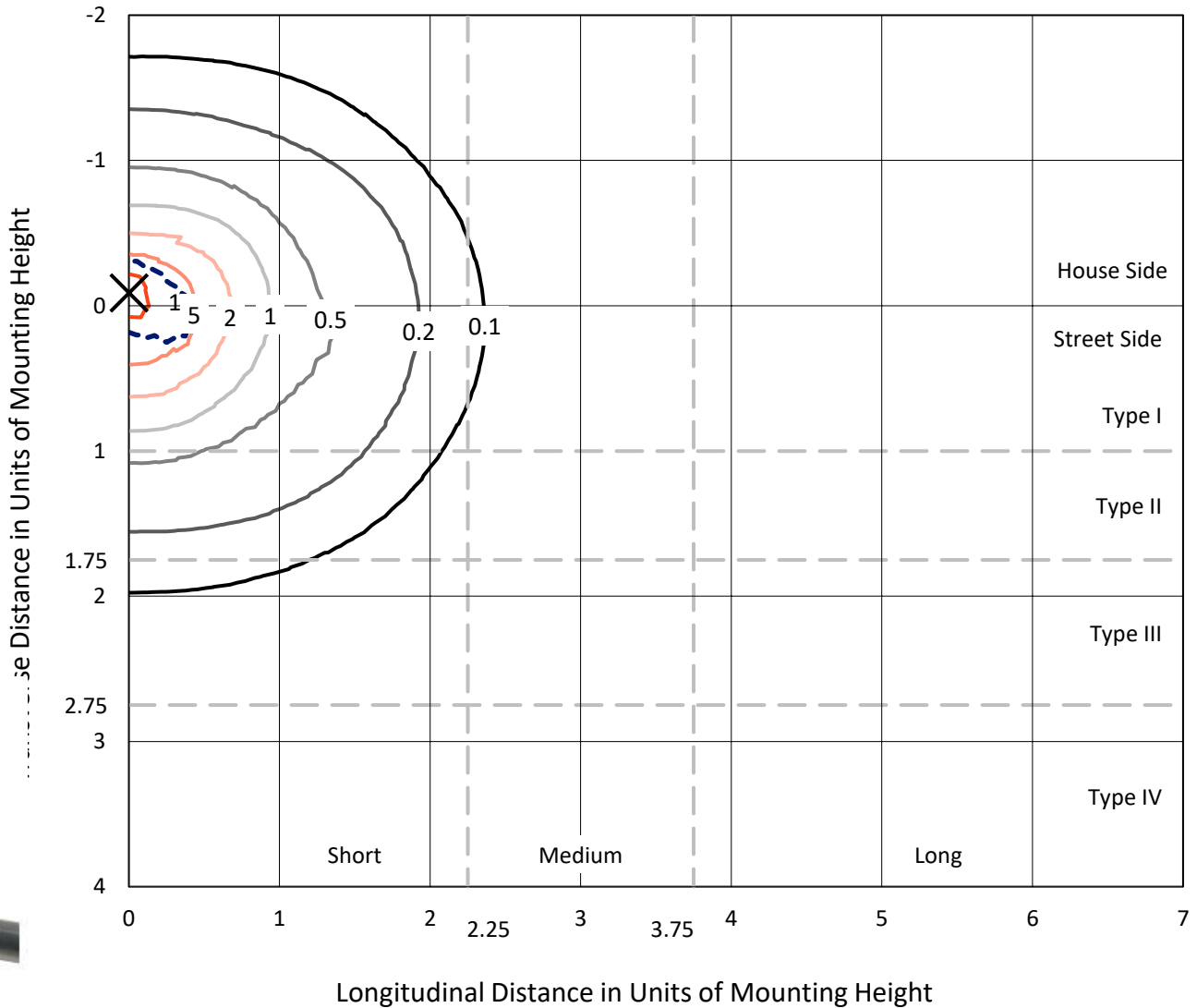
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691950
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

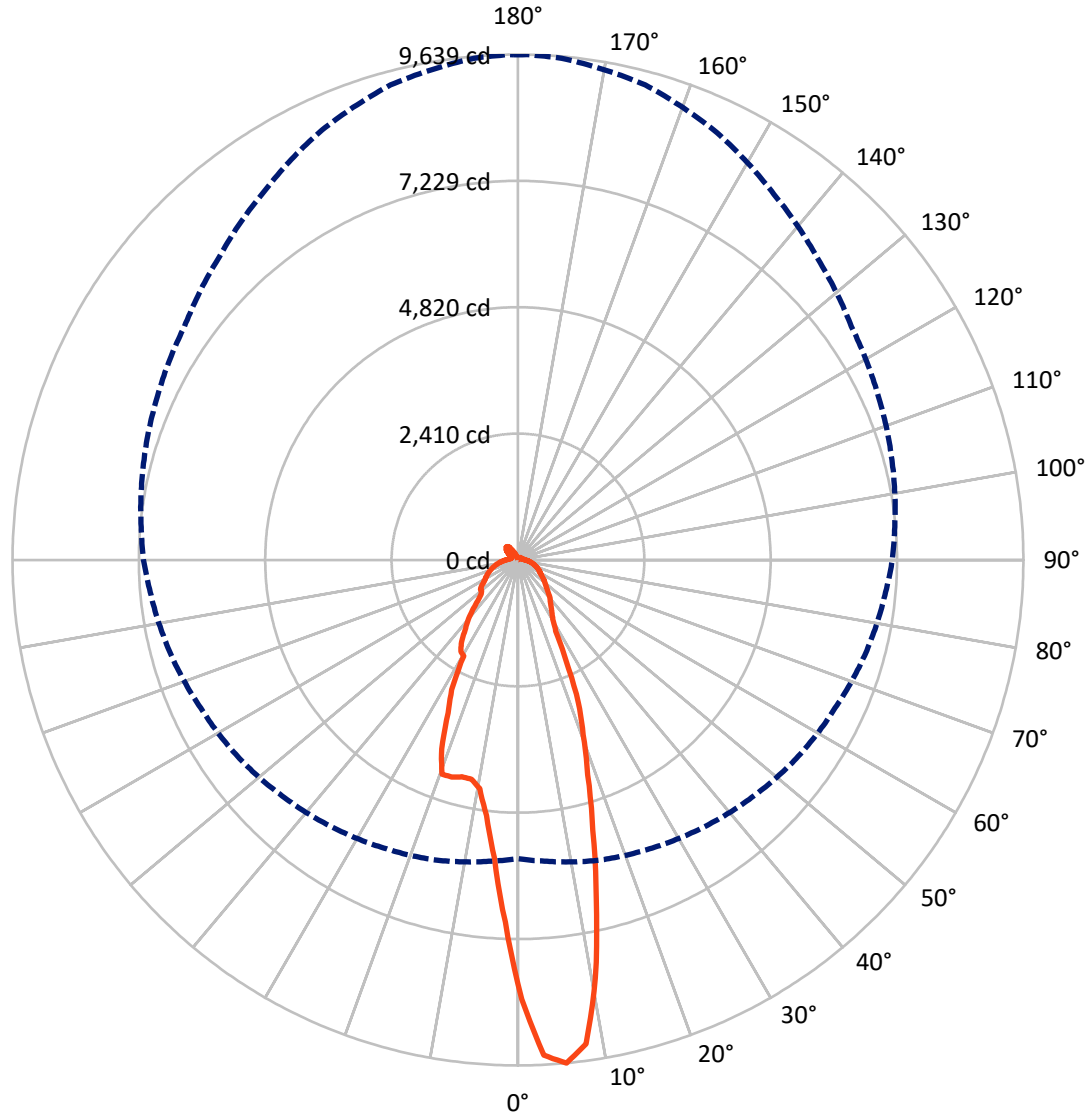
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type I - Short - N/A

REPORT NUMBER: P691950
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

Luminous Intensity Polar Plot



— Vertical Plane Through 179-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

REPORT NUMBER: P691950
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

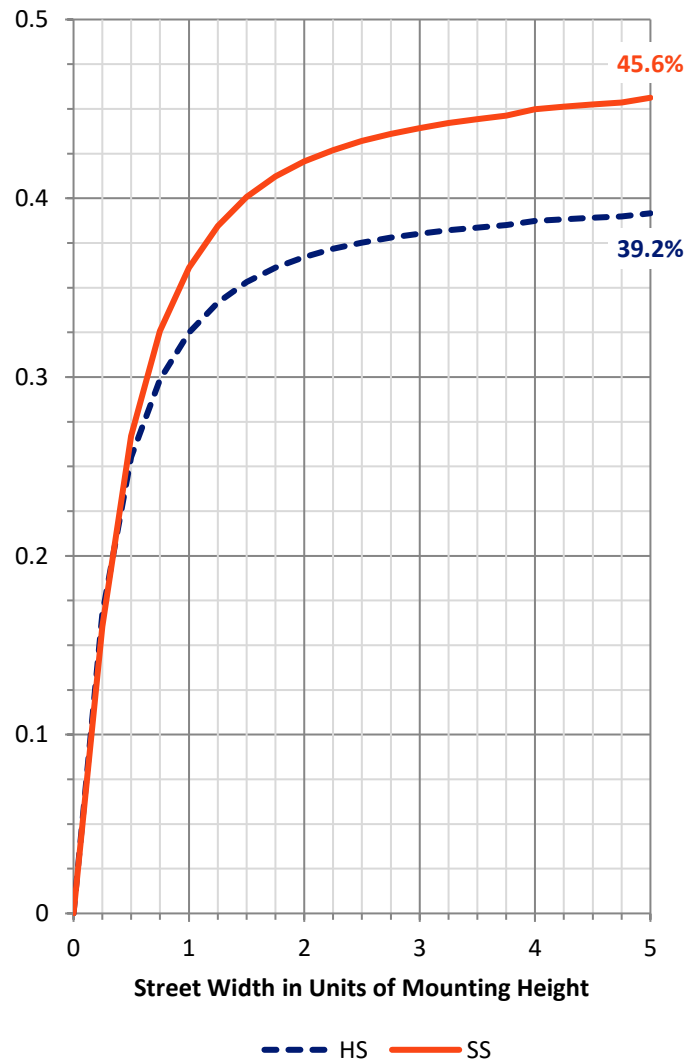
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3883.3	472.2	4355.4
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	4507.3	787.3	5294.6
	% Fixture	46.7	8.2	54.9
Total	Lumens	8390.5	1259.5	9650.0
	% Fixture	86.9	13.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.7	6.8
10°-20°	1396.8	14.5
20°-30°	1517.4	15.7
30°-40°	1123.1	11.6
40°-50°	940.6	9.7
50°-60°	945.6	9.8
60°-70°	805.1	8.3
70°-80°	601.4	6.2
80°-90°	406.0	4.2
90°-100°	242.6	2.5
100°-110°	140.2	1.5
110°-120°	129.0	1.3
120°-130°	186.6	1.9
130°-140°	255.4	2.6
140°-150°	210.5	2.2
150°-160°	84.7	0.9
160°-170°	10.4	0.1
170°-180°	0.0	0.0
0°-90°	8390.5	86.9
0°-180°	9650.0	100.0



REPORT NUMBER: P691950

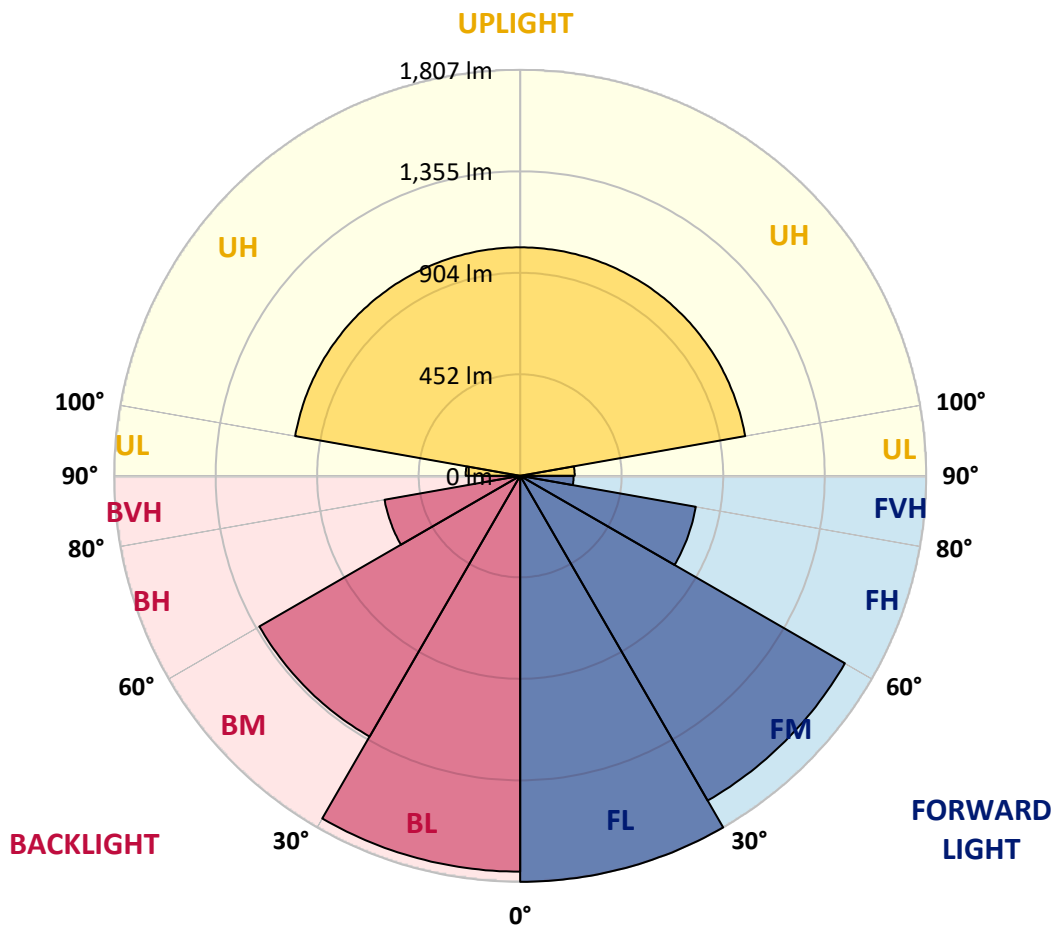
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.0	18.7			
FM (30°-60°)	1668.8	17.3			
FH (60°-80°)	793.7	8.2			G1/1800
FVH (80°-90°)	237.7	2.5			G3/500
BL (0°-30°)	1761.8	18.3	B3/2500		
BM (30°-60°)	1340.5	13.9	B2/2500		
BH (60°-80°)	612.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	168.3	1.7			G2/225
UL (90°-100°)	242.6	2.5		U3/500	
UH (100°-180°)	1016.8	10.5		U5	

BUG Rating: B3-U5-G3

Type I Short





REPORT NUMBER: P691950

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8
2.5°	6903.4	6942.1	7027.2	7069.8	7112.3	7166.5	7247.8	7309.7	7452.9	7584.4	7638.6
5°	5696.1	5765.7	5928.2	6059.8	6206.8	6361.6	6528.0	6675.1	6864.7	7038.8	7139.4
7.5°	4895.0	4953.1	5146.6	5402.0	5661.2	5877.9	6048.2	6160.4	6245.5	6315.2	6388.7
10°	4407.5	4457.8	4651.3	4879.6	5100.1	5301.4	5444.5	5552.9	5583.8	5653.5	5688.3
12.5°	4268.2	4291.4	4426.8	4585.5	4720.9	4918.3	5088.5	5204.6	5254.9	5316.8	5336.2
15°	4272.0	4272.0	4349.4	4450.0	4573.9	4724.8	4914.4	5053.7	5127.2	5162.0	5158.2
17.5°	4330.1	4326.2	4361.0	4442.3	4546.8	4697.7	4891.2	5034.4	5119.5	5131.1	5119.5
20°	4330.1	4334.0	4345.6	4438.4	4539.0	4674.5	4871.8	4991.8	5057.6	5022.7	4984.0
22.5°	3888.9	3885.1	3985.7	4183.0	4453.9	4736.4	4914.4	5061.4	5076.9	4949.2	4844.7
25°	3211.8	3184.7	3242.7	3331.7	3513.6	3842.5	4214.0	4771.2	5104.0	5030.5	4871.8
27.5°	2786.1	2751.3	2801.6	2762.9	2743.5	2720.3	2697.1	2631.3	2673.9	2712.6	2882.9
30°	2101.2	2108.9	2120.5	2143.8	2190.2	2283.1	2379.8	2437.8	2488.2	2588.8	2577.2
32.5°	2054.8	2050.9	2054.8	2078.0	2101.2	2159.2	2217.3	2248.2	2286.9	2383.7	2360.5
35°	1900.0	1892.2	1919.3	1930.9	1927.1	1942.5	2000.6	2035.4	2070.2	2132.2	2108.9
37.5°	1671.7	1679.4	1737.5	1768.4	1780.0	1814.8	1861.3	1892.2	1934.8	1981.2	1969.6
40°	1501.4	1497.5	1559.4	1602.0	1629.1	1683.3	1752.9	1799.4	1869.0	1907.7	1880.6
42.5°	1292.4	1307.9	1354.4	1396.9	1404.7	1431.8	1493.7	1547.8	1633.0	1691.0	1675.5
45°	1087.4	1099.0	1137.7	1172.5	1199.6	1234.4	1280.8	1327.3	1396.9	1443.4	1439.5
47.5°	959.7	971.3	1002.2	1044.8	1083.5	1133.8	1180.2	1226.7	1292.4	1327.3	1315.7
50°	909.4	917.1	951.9	998.4	1056.4	1118.3	1180.2	1230.5	1292.4	1315.7	1296.3
52.5°	905.5	905.5	948.1	1017.7	1099.0	1184.1	1265.4	1335.0	1393.1	1393.1	1354.4
55°	851.3	859.1	913.2	1006.1	1129.9	1269.2	1412.4	1544.0	1621.4	1605.9	1532.4
57.5°	773.9	777.8	835.8	924.8	1056.4	1226.7	1420.1	1586.5	1679.4	1698.8	1621.4
60°	727.5	731.4	770.1	855.2	967.4	1102.8	1280.8	1412.4	1505.3	1563.3	1501.4
62.5°	688.8	688.8	727.5	785.5	878.4	979.0	1079.6	1168.6	1242.1	1284.7	1249.9
65°	646.2	646.2	673.3	727.5	801.0	897.7	975.1	1040.9	1106.7	1137.7	1106.7
67.5°	603.7	603.7	630.7	681.0	746.8	828.1	905.5	967.4	1033.2	1056.4	1033.2
70°	561.1	561.1	588.2	630.7	692.7	770.1	828.1	893.9	955.8	971.3	951.9
72.5°	518.5	518.5	545.6	584.3	638.5	712.0	766.2	816.5	874.5	886.1	866.8
75°	479.8	479.8	499.2	537.9	588.2	654.0	708.1	754.6	801.0	801.0	785.5
77.5°	437.3	441.1	456.6	491.4	537.9	599.8	650.1	692.7	731.4	731.4	712.0
80°	394.7	398.6	414.0	445.0	487.6	545.6	592.0	630.7	665.6	665.6	646.2
82.5°	352.1	356.0	371.5	398.6	437.3	491.4	537.9	576.6	607.5	603.7	584.3
85°	313.4	317.3	328.9	352.1	387.0	441.1	483.7	518.5	545.6	541.7	526.3
87.5°	274.7	278.6	290.2	309.6	340.5	390.8	433.4	464.4	487.6	483.7	468.2
90°	239.9	239.9	251.5	270.9	298.0	340.5	379.2	406.3	429.5	421.8	406.3
92.5°	209.0	212.8	220.6	236.0	259.3	298.0	332.8	356.0	379.2	375.4	359.9
95°	185.7	185.7	193.5	205.1	224.4	255.4	290.2	309.6	325.0	325.0	313.4
97.5°	162.5	166.4	170.3	178.0	193.5	216.7	243.8	263.1	274.7	274.7	267.0
100°	147.0	150.9	150.9	158.7	166.4	181.9	201.2	216.7	228.3	228.3	224.4
102.5°	139.3	139.3	139.3	143.2	147.0	154.8	166.4	174.1	181.9	185.7	181.9
105°	131.6	131.6	131.6	135.4	135.4	143.2	147.0	154.8	158.7	158.7	154.8
107.5°	127.7	127.7	131.6	131.6	131.6	135.4	143.2	143.2	147.0	143.2	143.2
110°	131.6	131.6	131.6	131.6	131.6	135.4	139.3	139.3	139.3	139.3	135.4



REPORT NUMBER: P691950

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	135.4	135.4	135.4	135.4	139.3	139.3	139.3	143.2	143.2	139.3	139.3
115°	147.0	147.0	147.0	147.0	147.0	150.9	150.9	150.9	150.9	147.0	143.2
117.5°	158.7	158.7	158.7	162.5	162.5	166.4	162.5	166.4	162.5	158.7	158.7
120°	178.0	178.0	181.9	185.7	189.6	189.6	185.7	189.6	189.6	181.9	178.0
122.5°	201.2	201.2	205.1	216.7	220.6	224.4	220.6	220.6	220.6	212.8	209.0
125°	224.4	228.3	236.0	251.5	263.1	270.9	263.1	267.0	267.0	255.4	251.5
127.5°	251.5	255.4	270.9	294.1	313.4	321.2	317.3	321.2	325.0	305.7	298.0
130°	278.6	278.6	301.8	336.7	363.7	375.4	379.2	383.1	387.0	367.6	352.1
132.5°	301.8	301.8	332.8	375.4	410.2	429.5	437.3	445.0	452.7	425.7	406.3
135°	317.3	321.2	359.9	410.2	452.7	479.8	491.4	499.2	510.8	479.8	456.6
137.5°	328.9	336.7	375.4	429.5	476.0	514.7	537.9	549.5	557.2	526.3	495.3
140°	332.8	336.7	379.2	433.4	479.8	522.4	557.2	576.6	580.4	549.5	518.5
142.5°	321.2	328.9	367.6	421.8	468.2	514.7	553.4	572.7	576.6	549.5	518.5
145°	305.7	309.6	344.4	394.7	441.1	491.4	534.0	553.4	553.4	530.1	499.2
147.5°	278.6	282.5	313.4	356.0	402.4	452.7	495.3	514.7	518.5	495.3	468.2
150°	239.9	243.8	267.0	301.8	348.3	398.6	437.3	460.5	460.5	437.3	417.9
152.5°	193.5	197.3	216.7	243.8	282.5	328.9	363.7	387.0	387.0	371.5	348.3
155°	150.9	150.9	166.4	189.6	216.7	251.5	278.6	298.0	301.8	286.4	270.9
157.5°	108.3	108.3	120.0	139.3	162.5	189.6	209.0	224.4	224.4	212.8	205.1
160°	73.5	73.5	81.3	92.9	108.3	127.7	143.2	158.7	158.7	150.9	143.2
162.5°	38.7	38.7	46.4	54.2	65.8	81.3	89.0	100.6	100.6	96.7	92.9
165°	11.6	11.6	15.5	19.3	27.1	34.8	38.7	46.4	50.3	46.4	42.6
167.5°	0.0	0.0	3.9	3.9	3.9	3.9	7.7	11.6	11.6	11.6	11.6
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: P691950

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8	8373.8
2.5°	7696.6	7940.4	8161.0	8389.3	8671.8	8919.4	9186.4	9376.0	9457.3	9457.3	9488.3
5°	7212.9	7383.2	7561.2	7762.4	8099.1	8513.1	8989.1	9379.9	9604.4	9639.2	9635.3
7.5°	6411.9	6528.0	6709.9	6934.3	7243.9	7615.4	8226.8	8838.2	9244.5	9318.0	9290.9
10°	5707.7	5816.0	5924.4	6009.5	6230.1	6524.1	6973.0	7568.9	8037.2	8110.7	8052.6
12.5°	5347.8	5382.6	5378.7	5429.1	5518.1	5665.1	5893.4	6237.8	6559.0	6628.6	6578.3
15°	5158.2	5107.9	5030.5	4941.5	4933.7	4957.0	5015.0	5154.3	5289.7	5347.8	5309.1
17.5°	5080.8	4960.8	4802.2	4628.0	4512.0	4403.6	4330.1	4283.6	4303.0	4306.9	4275.9
20°	4898.9	4755.7	4500.3	4252.7	4067.0	3877.3	3714.8	3594.9	3575.5	3556.2	3532.9
22.5°	4693.8	4450.0	4144.3	3842.5	3567.8	3316.2	3134.4	2991.2	2937.0	2956.4	2944.8
25°	4651.3	4245.0	3873.5	3385.9	3037.6	2755.2	2414.6	2182.5	2078.0	2136.0	2097.3
27.5°	2790.0	2801.6	2592.6	2298.5	2047.0	1880.6	1729.7	1605.9	1536.2	1536.2	1544.0
30°	2526.8	2414.6	2275.3	2093.5	1872.9	1706.5	1540.1	1404.7	1331.1	1311.8	1319.5
32.5°	2310.2	2232.8	2101.2	1927.1	1725.8	1555.6	1381.4	1257.6	1188.0	1184.1	1180.2
35°	2078.0	1996.7	1888.4	1737.5	1563.3	1404.7	1253.8	1145.4	1083.5	1087.4	1087.4
37.5°	1919.3	1845.8	1749.1	1605.9	1447.2	1288.6	1153.1	1052.5	1002.2	1002.2	998.4
40°	1838.1	1752.9	1648.5	1516.9	1369.8	1203.4	1075.7	979.0	936.4	936.4	932.6
42.5°	1660.1	1586.5	1516.9	1381.4	1234.4	1099.0	979.0	893.9	851.3	851.3	851.3
45°	1408.5	1366.0	1311.8	1218.9	1099.0	986.7	886.1	804.9	770.1	766.2	766.2
47.5°	1300.2	1253.8	1188.0	1102.8	1006.1	901.6	804.9	746.8	712.0	712.0	712.0
50°	1269.2	1215.1	1126.1	1025.4	924.8	832.0	746.8	692.7	661.7	661.7	665.6
52.5°	1311.8	1222.8	1102.8	979.0	874.5	770.1	696.5	642.4	619.1	619.1	615.3
55°	1458.8	1292.4	1118.3	967.4	835.8	723.6	646.2	588.2	561.1	561.1	561.1
57.5°	1540.1	1342.8	1129.9	951.9	801.0	688.8	607.5	545.6	518.5	518.5	518.5
60°	1447.2	1284.7	1083.5	921.0	773.9	657.8	572.7	514.7	487.6	483.7	479.8
62.5°	1211.2	1110.6	967.4	832.0	715.9	615.3	545.6	487.6	460.5	460.5	456.6
65°	1079.6	994.5	870.7	754.6	657.8	572.7	506.9	460.5	433.4	429.5	429.5
67.5°	1006.1	928.7	804.9	696.5	607.5	530.1	468.2	425.7	406.3	398.6	398.6
70°	924.8	839.7	731.4	634.6	553.4	483.7	433.4	390.8	371.5	367.6	363.7
72.5°	843.6	766.2	665.6	572.7	499.2	441.1	394.7	356.0	336.7	332.8	332.8
75°	758.4	684.9	588.2	510.8	448.9	394.7	352.1	321.2	305.7	301.8	298.0
77.5°	688.8	623.0	530.1	456.6	398.6	356.0	317.3	290.2	274.7	274.7	270.9
80°	623.0	561.1	472.1	406.3	356.0	313.4	282.5	259.3	247.7	243.8	243.8
82.5°	561.1	499.2	417.9	359.9	313.4	278.6	247.7	228.3	216.7	216.7	216.7
85°	503.0	445.0	371.5	317.3	274.7	243.8	216.7	197.3	189.6	185.7	189.6
87.5°	445.0	390.8	328.9	278.6	239.9	209.0	185.7	170.3	162.5	162.5	162.5
90°	390.8	340.5	282.5	236.0	205.1	178.0	158.7	143.2	139.3	135.4	135.4
92.5°	344.4	301.8	251.5	212.8	181.9	162.5	143.2	131.6	123.8	123.8	123.8
95°	301.8	263.1	224.4	189.6	166.4	147.0	131.6	120.0	116.1	116.1	116.1
97.5°	259.3	228.3	197.3	170.3	150.9	135.4	120.0	112.2	108.3	104.5	108.3
100°	216.7	193.5	170.3	150.9	135.4	120.0	108.3	100.6	96.7	96.7	96.7
102.5°	174.1	162.5	143.2	127.7	116.1	108.3	96.7	89.0	85.1	85.1	85.1
105°	150.9	139.3	127.7	116.1	108.3	96.7	89.0	81.3	77.4	77.4	77.4
107.5°	139.3	131.6	120.0	112.2	100.6	92.9	85.1	73.5	69.7	69.7	69.7
110°	135.4	127.7	120.0	108.3	100.6	92.9	85.1	69.7	65.8	65.8	65.8



REPORT NUMBER: P691950

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	135.4	127.7	120.0	112.2	104.5	92.9	85.1	69.7	61.9	61.9	61.9
115°	143.2	135.4	127.7	120.0	108.3	96.7	89.0	69.7	61.9	61.9	61.9
117.5°	154.8	147.0	139.3	127.7	116.1	104.5	89.0	69.7	65.8	65.8	65.8
120°	174.1	166.4	154.8	143.2	127.7	112.2	96.7	73.5	61.9	65.8	65.8
122.5°	201.2	193.5	178.0	158.7	143.2	123.8	100.6	77.4	58.0	65.8	65.8
125°	239.9	228.3	205.1	181.9	158.7	135.4	108.3	81.3	61.9	69.7	69.7
127.5°	282.5	267.0	236.0	205.1	178.0	147.0	116.1	85.1	65.8	69.7	69.7
130°	332.8	305.7	267.0	228.3	193.5	158.7	123.8	89.0	69.7	69.7	69.7
132.5°	383.1	344.4	294.1	251.5	209.0	166.4	127.7	89.0	69.7	69.7	69.7
135°	425.7	379.2	321.2	267.0	216.7	170.3	131.6	89.0	69.7	69.7	69.7
137.5°	464.4	402.4	336.7	274.7	220.6	170.3	127.7	89.0	65.8	65.8	65.8
140°	483.7	414.0	344.4	274.7	216.7	166.4	120.0	81.3	61.9	61.9	61.9
142.5°	483.7	410.2	336.7	267.0	209.0	158.7	112.2	77.4	54.2	58.0	58.0
145°	468.2	394.7	321.2	251.5	193.5	143.2	100.6	65.8	50.3	50.3	50.3
147.5°	433.4	363.7	294.1	228.3	174.1	123.8	89.0	58.0	42.6	38.7	42.6
150°	387.0	321.2	255.4	197.3	147.0	104.5	73.5	46.4	34.8	34.8	34.8
152.5°	325.0	267.0	212.8	162.5	116.1	81.3	54.2	34.8	27.1	27.1	27.1
155°	255.4	209.0	166.4	123.8	89.0	61.9	42.6	27.1	19.3	19.3	19.3
157.5°	193.5	158.7	123.8	89.0	65.8	46.4	31.0	19.3	15.5	15.5	15.5
160°	135.4	108.3	85.1	61.9	42.6	31.0	19.3	11.6	7.7	7.7	7.7
162.5°	85.1	69.7	54.2	34.8	27.1	19.3	11.6	7.7	3.9	3.9	3.9
165°	38.7	34.8	23.2	15.5	11.6	7.7	3.9	3.9	0.0	0.0	0.0
167.5°	11.6	7.7	7.7	3.9	3.9	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

(END OF REPORT)