

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: P691982

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9743 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U5 - G3

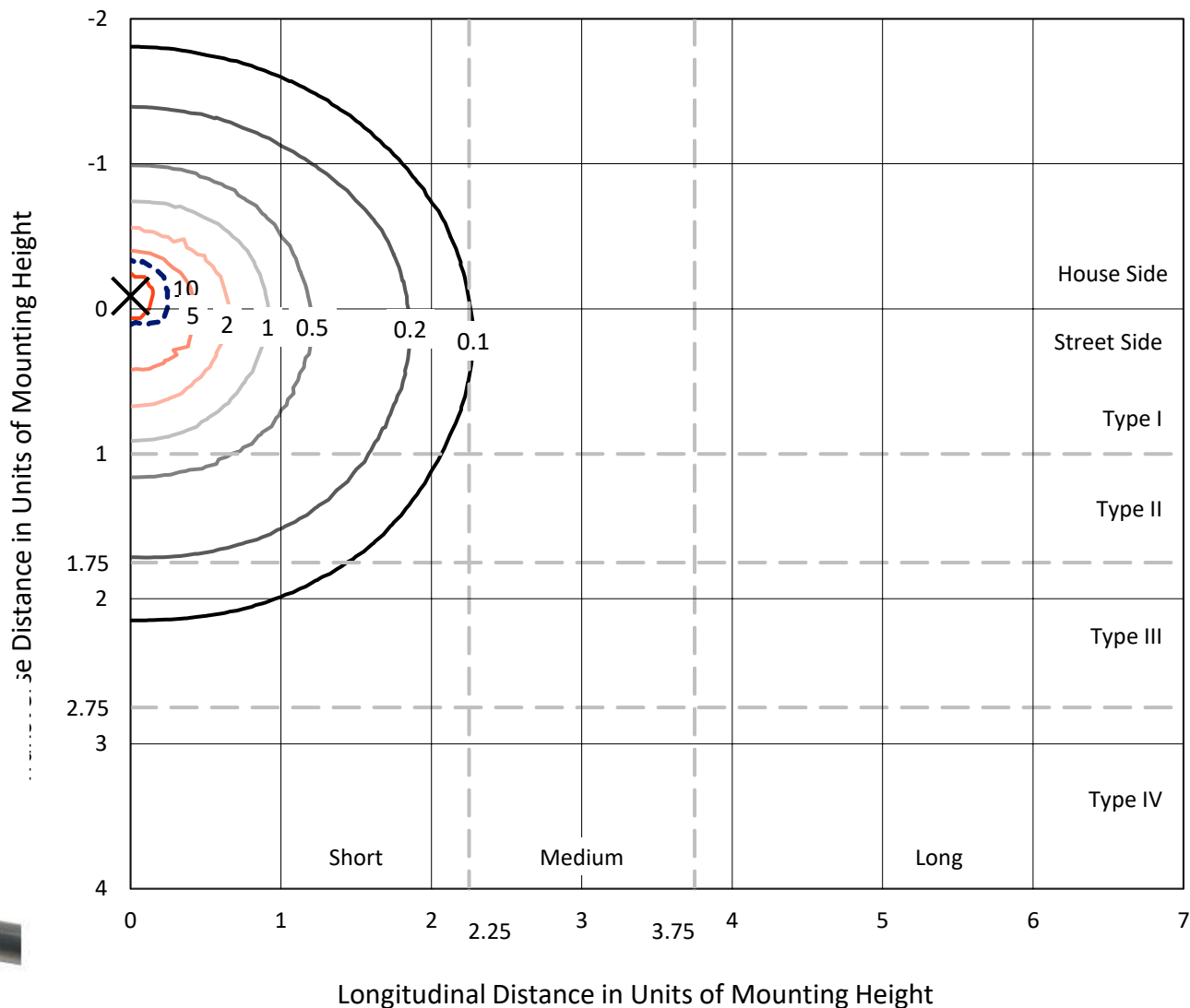
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691982
 CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

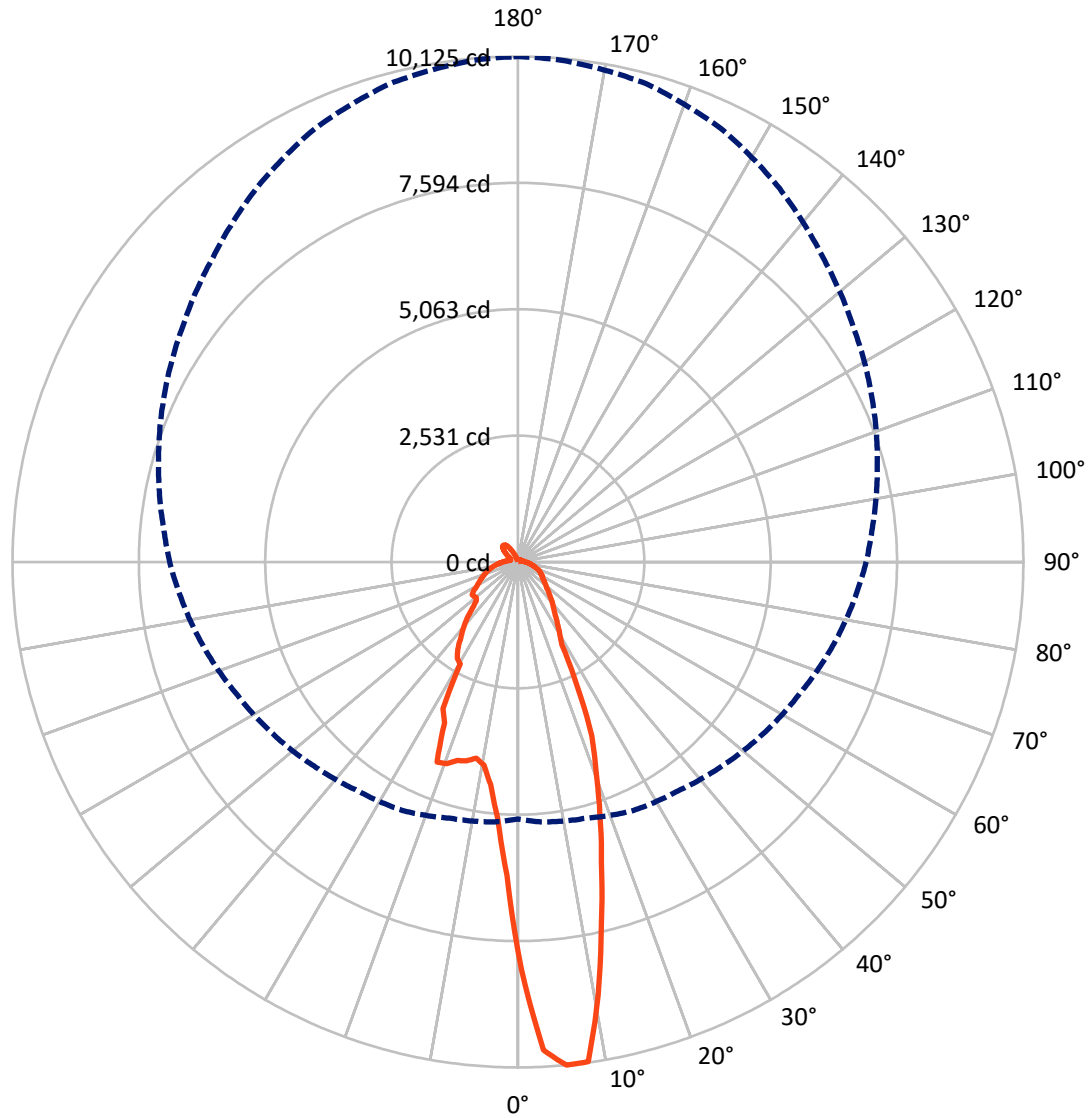
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type I - Short - N/A

REPORT NUMBER: P691982
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

REPORT NUMBER: P691982

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

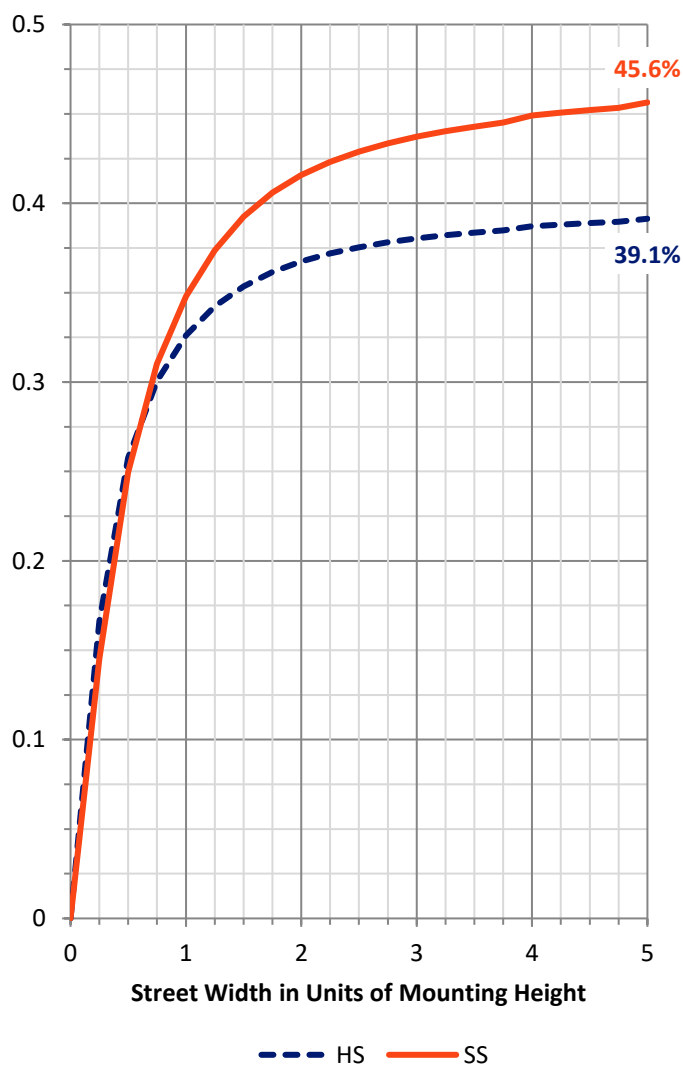
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3915.9	419.9	4335.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	4569.8	837.5	5407.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	8485.7	1257.3	9743.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.9	6.7
10°-20°	1404.6	14.4
20°-30°	1546.6	15.9
30°-40°	1136.4	11.7
40°-50°	952.2	9.8
50°-60°	955.3	9.8
60°-70°	818.2	8.4
70°-80°	609.6	6.3
80°-90°	407.9	4.2
90°-100°	242.3	2.5
100°-110°	140.7	1.4
110°-120°	130.8	1.3
120°-130°	189.8	1.9
130°-140°	255.4	2.6
140°-150°	206.8	2.1
150°-160°	81.7	0.8
160°-170°	9.9	0.1
170°-180°	0.0	0.0
0°-90°	8485.7	87.1
0°-180°	9743.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691982

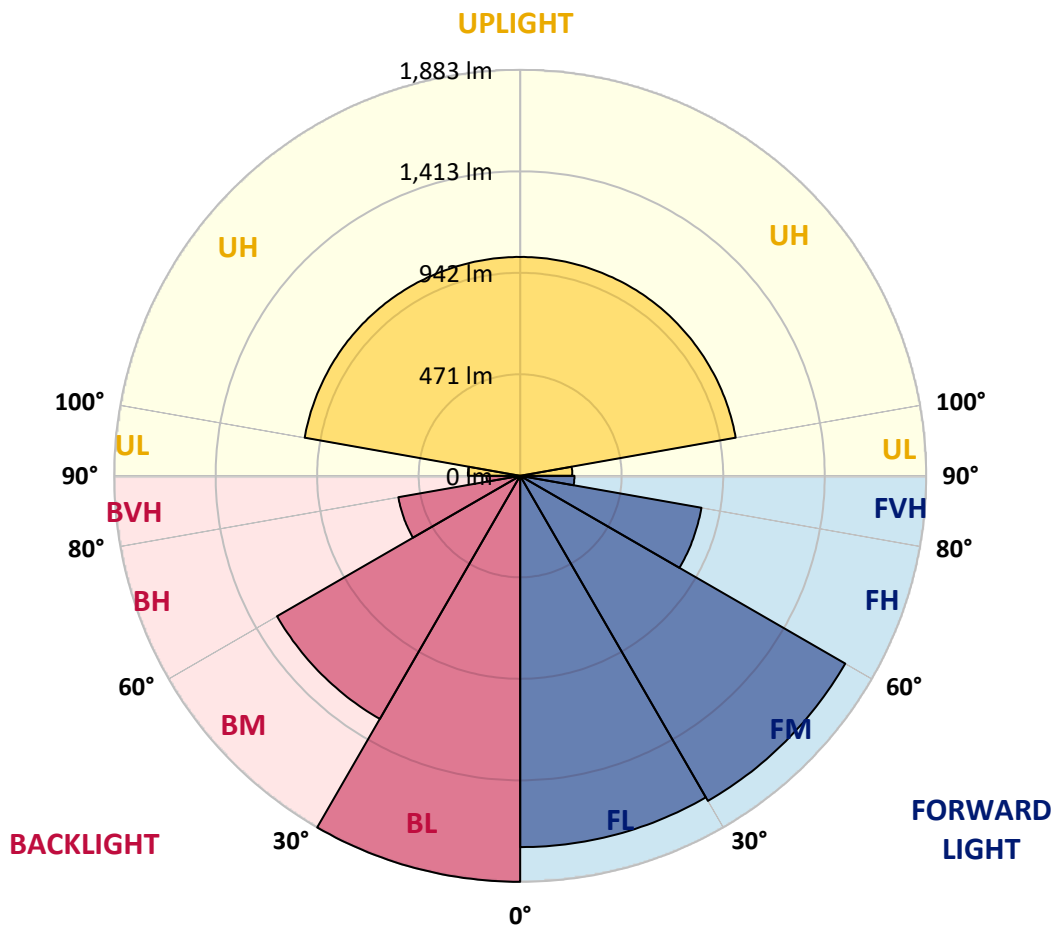
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1722.6	17.7			
FM (30°-60°)	1741.5	17.9			
FH (60°-80°)	853.8	8.8			G1/1800
FVH (80°-90°)	251.8	2.6			G3/500
BL (0°-30°)	1883.4	19.3	B3/2500		
BM (30°-60°)	1302.5	13.4	B2/2500		
BH (60°-80°)	573.9	5.9	B2/1000		G2/1000
BVH (80°-90°)	156.1	1.6			G2/225
UL (90°-100°)	242.3	2.5		U3/500	
UH (100°-180°)	1015.1	10.4		U5	

BUG Rating: B3-U5-G3

Type I Short





REPORT NUMBER: P691982

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8
2.5°	6283.2	6376.1	6422.5	6561.8	6608.2	6697.2	6832.6	6968.0	7196.3	7366.6	7498.1
5°	5149.6	5227.0	5312.1	5490.1	5594.6	5780.3	5996.9	6229.1	6523.1	6821.0	6975.8
7.5°	4488.0	4507.4	4631.2	4847.8	5037.4	5234.7	5470.7	5671.9	5873.1	6116.9	6271.6
10°	4124.3	4151.4	4232.7	4399.0	4561.5	4724.0	4909.7	5064.5	5269.6	5474.6	5567.5
12.5°	4016.0	4027.6	4097.3	4194.0	4298.4	4402.9	4546.1	4685.3	4867.2	5045.2	5107.1
15°	4112.7	4112.7	4124.3	4163.0	4217.2	4298.4	4406.8	4526.7	4693.1	4824.6	4890.4
17.5°	4159.2	4163.0	4194.0	4201.7	4252.0	4286.8	4383.6	4476.4	4635.0	4743.4	4778.2
20°	4283.0	4283.0	4286.8	4306.2	4313.9	4333.3	4375.8	4426.1	4557.7	4615.7	4608.0
22.5°	4321.7	4306.2	4368.1	4480.3	4476.4	4480.3	4441.6	4453.2	4526.7	4503.5	4449.3
25°	3547.9	3528.5	3598.2	3667.8	3768.4	3896.1	4213.3	4460.9	4553.8	4480.3	4360.3
27.5°	3300.2	3215.1	3195.8	3029.4	2878.5	2630.9	2607.7	2452.9	2437.5	2534.2	2623.2
30°	2344.6	2348.5	2344.6	2329.1	2317.5	2329.1	2340.7	2313.7	2321.4	2383.3	2356.2
32.5°	2286.6	2286.6	2271.1	2263.4	2228.5	2216.9	2197.6	2147.3	2155.0	2201.5	2189.8
35°	2131.8	2124.1	2127.9	2108.6	2046.7	1996.4	1988.7	1946.1	1946.1	1973.2	1961.6
37.5°	1899.7	1888.1	1934.5	1930.6	1880.3	1861.0	1841.6	1814.6	1814.6	1837.8	1814.6
40°	1717.8	1710.1	1760.4	1775.9	1744.9	1752.7	1756.5	1733.3	1756.5	1760.4	1729.4
42.5°	1524.4	1520.5	1563.1	1559.2	1532.1	1528.3	1524.4	1508.9	1547.6	1578.5	1555.3
45°	1296.1	1284.5	1315.5	1327.1	1319.3	1307.7	1303.8	1303.8	1327.1	1342.5	1319.3
47.5°	1145.2	1149.1	1172.3	1199.4	1207.1	1214.9	1211.0	1203.3	1218.7	1222.6	1203.3
50°	1094.9	1098.8	1133.6	1164.6	1187.8	1203.3	1203.3	1191.6	1203.3	1191.6	1164.6
52.5°	1118.1	1118.1	1164.6	1211.0	1249.7	1276.8	1280.6	1265.2	1265.2	1234.2	1191.6
55°	1125.9	1133.6	1195.5	1272.9	1342.5	1416.0	1450.9	1439.3	1450.9	1385.1	1315.5
57.5°	1052.4	1071.7	1133.6	1226.5	1319.3	1435.4	1508.9	1516.6	1512.8	1454.7	1369.6
60°	955.6	971.1	1013.7	1094.9	1183.9	1276.8	1350.3	1365.8	1381.2	1354.1	1276.8
62.5°	889.9	897.6	932.4	990.5	1052.4	1102.7	1129.7	1125.9	1141.4	1133.6	1075.6
65°	831.8	835.7	874.4	920.8	959.5	1009.8	1017.5	1017.5	1029.2	1013.7	967.2
67.5°	769.9	769.9	800.9	843.4	889.9	932.4	944.0	947.9	963.4	947.9	913.1
70°	715.8	715.8	742.8	777.7	812.5	855.0	866.7	870.5	889.9	870.5	835.7
72.5°	665.5	665.5	688.7	719.6	750.6	785.4	797.0	800.9	816.4	797.0	769.9
75°	611.3	615.2	634.5	661.6	688.7	719.6	735.1	735.1	746.7	723.5	700.3
77.5°	557.1	561.0	580.3	603.6	626.8	657.7	665.5	669.3	680.9	657.7	634.5
80°	503.0	510.7	526.2	545.5	568.7	592.0	607.4	607.4	615.2	592.0	576.5
82.5°	452.7	460.4	472.0	487.5	510.7	533.9	549.4	549.4	553.3	533.9	514.6
85°	402.4	410.1	421.7	433.3	452.7	475.9	491.4	491.4	495.2	475.9	460.4
87.5°	355.9	363.7	371.4	383.0	398.5	421.7	437.2	437.2	437.2	421.7	406.2
90°	309.5	313.4	321.1	332.7	348.2	367.6	379.2	383.0	383.0	363.7	355.9
92.5°	274.7	274.7	282.4	290.2	305.7	321.1	332.7	336.6	336.6	325.0	313.4
95°	236.0	239.9	243.7	251.5	263.1	274.7	290.2	290.2	290.2	282.4	274.7
97.5°	208.9	205.1	208.9	212.8	224.4	232.1	243.7	247.6	247.6	239.9	236.0
100°	178.0	181.8	181.8	185.7	189.6	193.4	201.2	205.1	205.1	201.2	201.2
102.5°	166.4	162.5	162.5	162.5	162.5	162.5	166.4	166.4	170.2	166.4	162.5
105°	154.8	154.8	154.8	154.8	150.9	150.9	150.9	150.9	147.0	143.2	143.2
107.5°	150.9	150.9	150.9	150.9	147.0	147.0	143.2	143.2	139.3	135.4	131.5
110°	150.9	150.9	150.9	150.9	147.0	143.2	143.2	139.3	135.4	131.5	127.7



REPORT NUMBER: P691982

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	158.6	158.6	158.6	158.6	150.9	147.0	143.2	143.2	135.4	131.5	127.7
115°	174.1	174.1	170.2	170.2	166.4	158.6	154.8	150.9	147.0	139.3	135.4
117.5°	189.6	189.6	189.6	189.6	185.7	178.0	170.2	166.4	162.5	150.9	147.0
120°	216.7	216.7	216.7	220.5	212.8	205.1	197.3	189.6	185.7	174.1	166.4
122.5°	251.5	247.6	255.4	259.2	255.4	243.7	232.1	224.4	216.7	201.2	193.4
125°	286.3	286.3	294.0	305.7	305.7	294.0	278.6	267.0	259.2	236.0	224.4
127.5°	328.9	328.9	340.5	359.8	363.7	352.1	336.6	321.1	309.5	278.6	267.0
130°	367.6	367.6	390.8	414.0	425.6	414.0	398.5	379.2	363.7	328.9	309.5
132.5°	398.5	402.4	429.5	460.4	475.9	472.0	452.7	437.2	421.7	379.2	355.9
135°	429.5	433.3	464.3	503.0	522.3	522.3	506.8	487.5	468.1	421.7	394.6
137.5°	444.9	448.8	487.5	526.2	549.4	557.1	549.4	530.1	510.7	460.4	425.6
140°	444.9	452.7	491.4	530.1	553.3	564.9	564.9	545.5	526.2	479.8	444.9
142.5°	433.3	441.1	475.9	514.6	537.8	553.3	557.1	541.7	522.3	475.9	441.1
145°	410.1	414.0	448.8	483.6	506.8	526.2	533.9	522.3	499.1	460.4	425.6
147.5°	371.4	371.4	402.4	429.5	460.4	479.8	491.4	483.6	464.3	429.5	398.5
150°	317.3	317.3	340.5	367.6	394.6	417.9	429.5	429.5	410.1	383.0	352.1
152.5°	251.5	255.4	270.8	294.0	321.1	340.5	355.9	355.9	344.3	321.1	294.0
155°	193.4	193.4	205.1	220.5	243.7	263.1	274.7	274.7	267.0	247.6	232.1
157.5°	139.3	139.3	147.0	162.5	178.0	193.4	205.1	205.1	197.3	185.7	174.1
160°	92.9	92.9	96.7	108.3	119.9	131.5	139.3	143.2	139.3	131.5	119.9
162.5°	50.3	50.3	54.2	61.9	69.6	81.2	85.1	89.0	89.0	81.2	77.4
165°	15.5	15.5	15.5	23.2	27.1	34.8	38.7	42.6	42.6	42.6	38.7
167.5°	3.9	3.9	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	3.9	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: P691982

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8	8155.8
2.5°	7621.9	7908.2	8225.5	8550.5	8883.2	9196.6	9459.7	9668.6	9780.8	9807.9	9792.4
5°	7115.1	7451.7	7823.1	8202.3	8635.6	9134.7	9591.2	9920.1	10090.3	10117.4	10125.1
7.5°	6391.6	6685.6	7049.3	7486.5	8032.0	8565.9	9270.1	9761.5	10036.2	10109.7	10109.7
10°	5629.4	5888.6	6116.9	6499.9	6975.8	7474.9	8074.6	8527.2	8805.8	8894.8	8817.4
12.5°	5199.9	5312.1	5466.9	5749.3	6047.2	6426.4	6944.8	7238.9	7420.7	7474.9	7428.5
15°	4925.2	4983.3	5049.0	5169.0	5377.9	5613.9	5919.6	6101.4	6213.6	6279.4	6256.2
17.5°	4793.7	4793.7	4782.1	4809.2	4863.3	4971.6	5180.6	5246.3	5296.6	5323.7	5308.3
20°	4592.5	4530.6	4480.3	4402.9	4372.0	4368.1	4418.4	4488.0	4484.2	4488.0	4457.1
22.5°	4391.3	4263.6	4139.8	4023.7	3892.2	3826.4	3780.0	3803.2	3783.9	3803.2	3783.9
25°	4294.6	4035.4	3787.7	3505.3	3269.3	3087.5	2967.5	2894.0	2770.2	2816.6	2774.1
27.5°	2665.7	2557.4	2452.9	2244.0	2046.7	1977.1	1919.0	1888.1	1864.9	1876.5	1868.7
30°	2309.8	2220.8	2139.6	2031.2	1880.3	1787.5	1717.8	1655.9	1636.6	1640.5	1636.6
32.5°	2143.4	2073.8	1973.2	1861.0	1725.6	1609.5	1528.3	1470.2	1439.3	1458.6	1443.1
35°	1919.0	1849.4	1764.3	1659.8	1543.7	1439.3	1361.9	1307.7	1272.9	1280.6	1276.8
37.5°	1772.0	1706.2	1632.7	1520.5	1419.9	1319.3	1241.9	1187.8	1153.0	1160.7	1153.0
40°	1686.9	1613.4	1536.0	1435.4	1334.8	1230.3	1156.8	1094.9	1060.1	1060.1	1060.1
42.5°	1512.8	1454.7	1389.0	1284.5	1195.5	1106.5	1033.0	986.6	947.9	951.8	944.0
45°	1292.2	1249.7	1199.4	1129.7	1056.2	986.6	924.7	889.9	858.9	862.8	858.9
47.5°	1180.0	1141.4	1083.3	1029.2	963.4	901.5	847.3	804.7	781.5	785.4	777.7
50°	1137.5	1091.1	1025.3	951.8	889.9	828.0	773.8	742.8	719.6	723.5	719.6
52.5°	1153.0	1079.4	986.6	897.6	824.1	762.2	719.6	684.8	669.3	673.2	665.5
55°	1253.6	1125.9	986.6	874.4	781.5	711.9	669.3	630.6	615.2	615.2	615.2
57.5°	1288.4	1149.1	975.0	847.3	746.7	677.1	626.8	588.1	572.6	572.6	572.6
60°	1207.1	1087.2	928.6	808.6	715.8	650.0	607.4	580.3	568.7	568.7	568.7
62.5°	1033.0	955.6	835.7	739.0	669.3	611.3	568.7	533.9	522.3	518.4	518.4
65°	936.3	862.8	762.2	680.9	619.0	572.6	533.9	506.8	491.4	491.4	491.4
67.5°	874.4	804.7	711.9	634.5	576.5	526.2	491.4	464.3	456.5	452.7	452.7
70°	804.7	739.0	646.1	576.5	522.3	479.8	444.9	421.7	414.0	414.0	410.1
72.5°	735.1	673.2	584.2	518.4	468.1	429.5	398.5	379.2	371.4	367.6	367.6
75°	669.3	607.4	526.2	464.3	417.9	383.0	355.9	336.6	328.9	328.9	328.9
77.5°	607.4	549.4	472.0	414.0	375.3	340.5	317.3	301.8	294.0	294.0	294.0
80°	549.4	491.4	421.7	367.6	328.9	301.8	282.4	267.0	259.2	263.1	259.2
82.5°	487.5	441.1	375.3	325.0	294.0	267.0	247.6	236.0	228.3	232.1	228.3
85°	437.2	390.8	328.9	286.3	255.4	232.1	216.7	205.1	197.3	201.2	197.3
87.5°	386.9	344.3	290.2	251.5	224.4	205.1	185.7	178.0	174.1	174.1	170.2
90°	332.7	294.0	247.6	216.7	189.6	174.1	158.6	150.9	147.0	143.2	143.2
92.5°	294.0	263.1	220.5	193.4	170.2	158.6	143.2	135.4	131.5	131.5	131.5
95°	259.2	232.1	197.3	174.1	158.6	143.2	131.5	127.7	123.8	123.8	119.9
97.5°	224.4	201.2	178.0	158.6	143.2	131.5	119.9	116.1	112.2	112.2	112.2
100°	189.6	174.1	154.8	139.3	127.7	119.9	108.3	104.5	100.6	100.6	100.6
102.5°	158.6	147.0	131.5	119.9	112.2	104.5	96.7	92.9	89.0	89.0	89.0
105°	139.3	127.7	119.9	108.3	100.6	92.9	89.0	81.2	77.4	77.4	77.4
107.5°	127.7	119.9	112.2	104.5	96.7	89.0	81.2	73.5	69.6	69.6	69.6
110°	123.8	116.1	108.3	100.6	92.9	85.1	81.2	69.6	65.8	65.8	65.8



REPORT NUMBER: P691982
 CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	123.8	119.9	112.2	104.5	96.7	89.0	81.2	65.8	61.9	61.9	61.9
115°	131.5	123.8	116.1	108.3	100.6	92.9	85.1	65.8	61.9	61.9	61.9
117.5°	143.2	135.4	123.8	116.1	108.3	96.7	85.1	69.6	61.9	61.9	61.9
120°	162.5	150.9	139.3	127.7	116.1	104.5	89.0	69.6	58.0	61.9	61.9
122.5°	185.7	174.1	154.8	139.3	127.7	112.2	92.9	73.5	58.0	61.9	61.9
125°	216.7	201.2	178.0	158.6	139.3	119.9	96.7	73.5	58.0	61.9	65.8
127.5°	251.5	228.3	201.2	174.1	150.9	127.7	104.5	77.4	58.0	65.8	65.8
130°	290.2	263.1	228.3	193.4	166.4	135.4	108.3	77.4	61.9	61.9	61.9
132.5°	332.7	294.0	247.6	208.9	174.1	139.3	108.3	77.4	61.9	61.9	61.9
135°	363.7	317.3	267.0	220.5	181.8	143.2	112.2	77.4	58.0	58.0	58.0
137.5°	390.8	336.6	282.4	228.3	185.7	143.2	108.3	73.5	58.0	54.2	54.2
140°	406.2	344.3	282.4	228.3	181.8	139.3	100.6	69.6	50.3	50.3	50.3
142.5°	406.2	340.5	278.6	220.5	170.2	131.5	96.7	61.9	46.4	46.4	46.4
145°	390.8	325.0	263.1	208.9	158.6	119.9	85.1	58.0	42.6	42.6	42.6
147.5°	363.7	297.9	239.9	189.6	139.3	104.5	73.5	46.4	34.8	34.8	34.8
150°	325.0	263.1	208.9	162.5	119.9	85.1	61.9	38.7	27.1	27.1	27.1
152.5°	270.8	220.5	170.2	135.4	96.7	69.6	46.4	31.0	23.2	23.2	23.2
155°	212.8	174.1	135.4	104.5	73.5	50.3	34.8	23.2	15.5	15.5	15.5
157.5°	162.5	131.5	100.6	77.4	54.2	38.7	27.1	15.5	11.6	11.6	11.6
160°	112.2	89.0	69.6	54.2	34.8	27.1	19.3	11.6	7.7	7.7	7.7
162.5°	73.5	58.0	42.6	31.0	23.2	15.5	11.6	7.7	3.9	3.9	3.9
165°	34.8	27.1	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	3.9	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)