

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: P691934

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691934
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-T2-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9305 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - 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



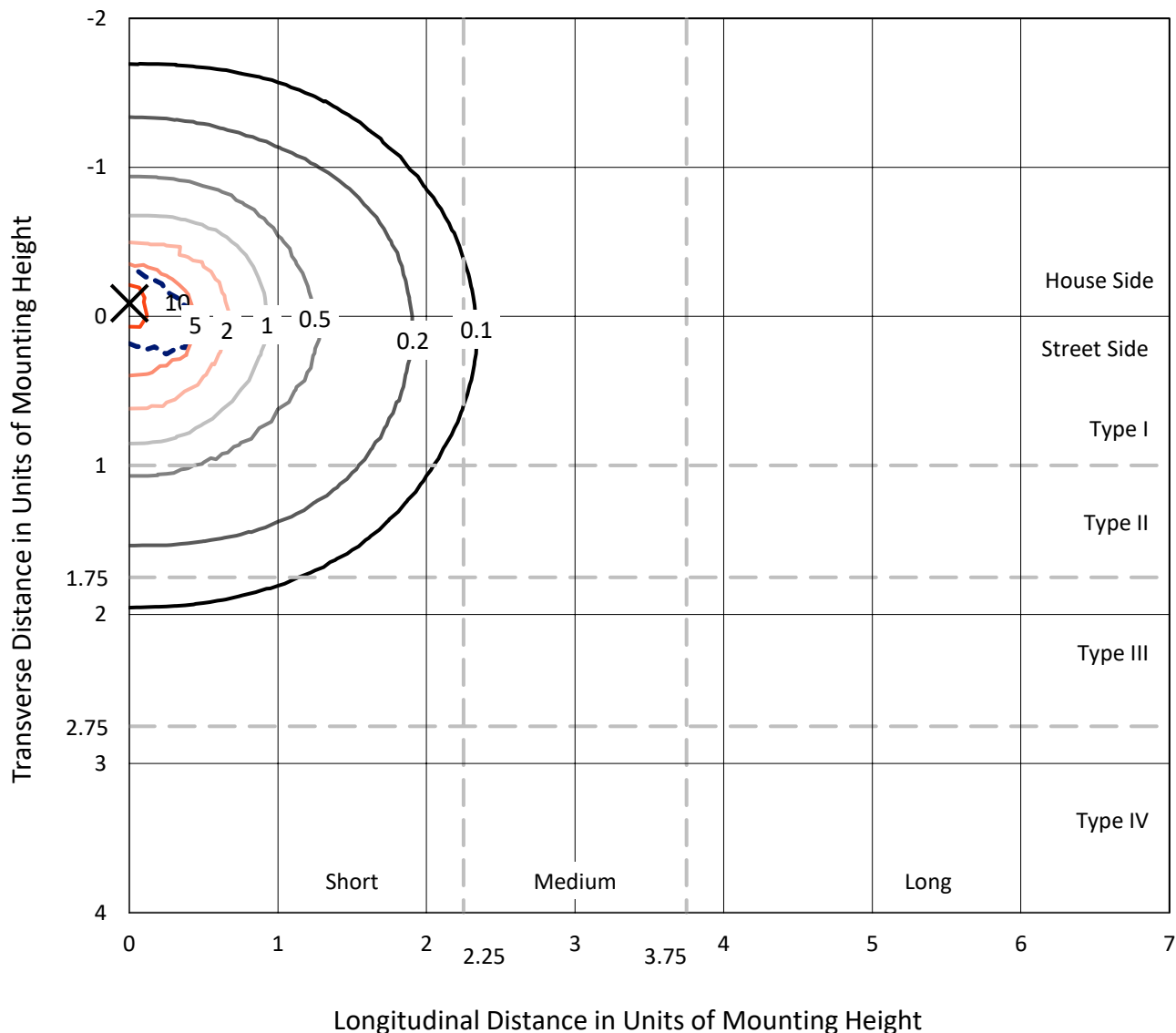
REPORT NUMBER: P691934

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

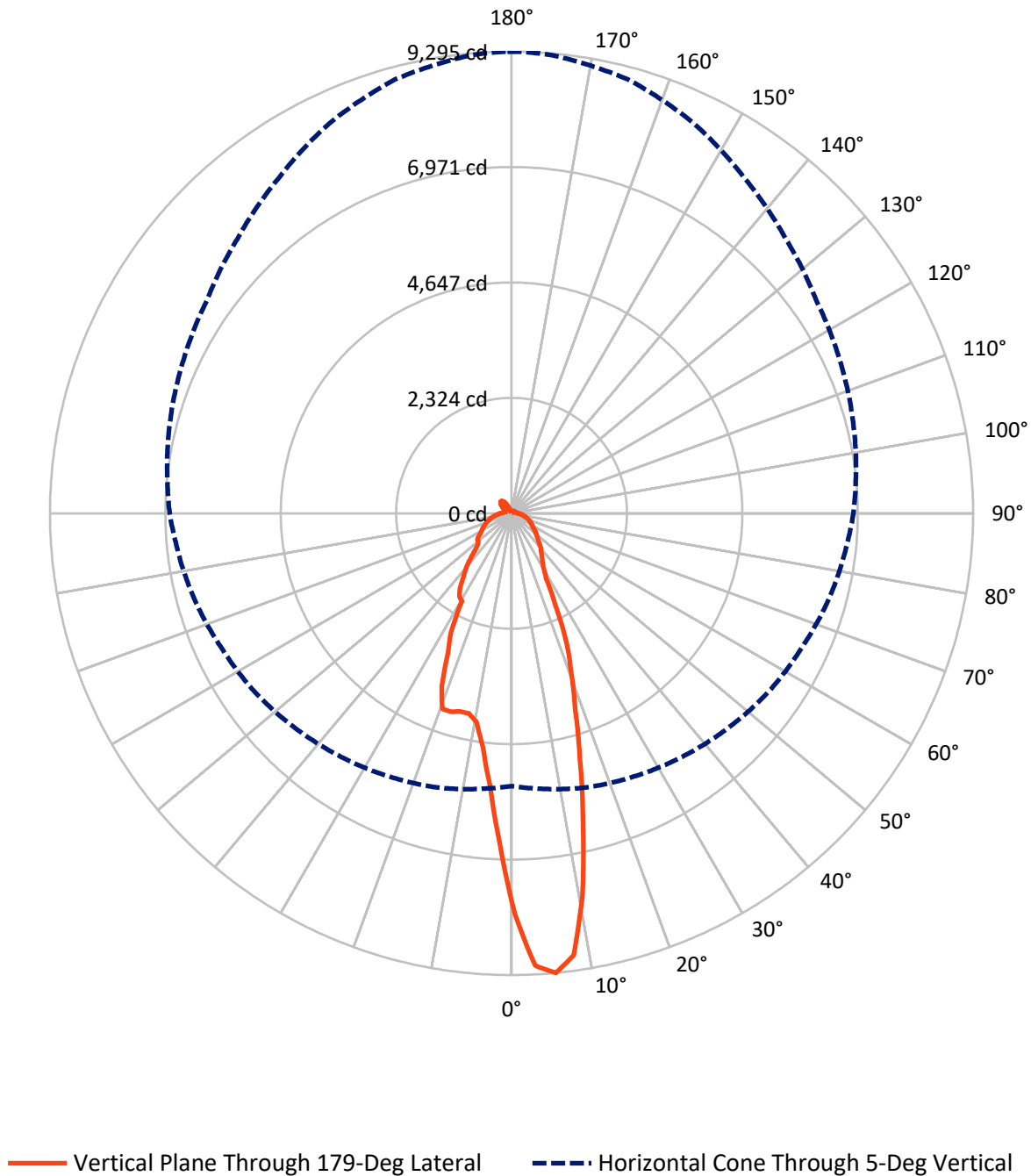


Based on 25 foot mounting height. Maximum calculated value = 14.1 fc

Type I - Short - N/A

REPORT NUMBER: P691934
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691934

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

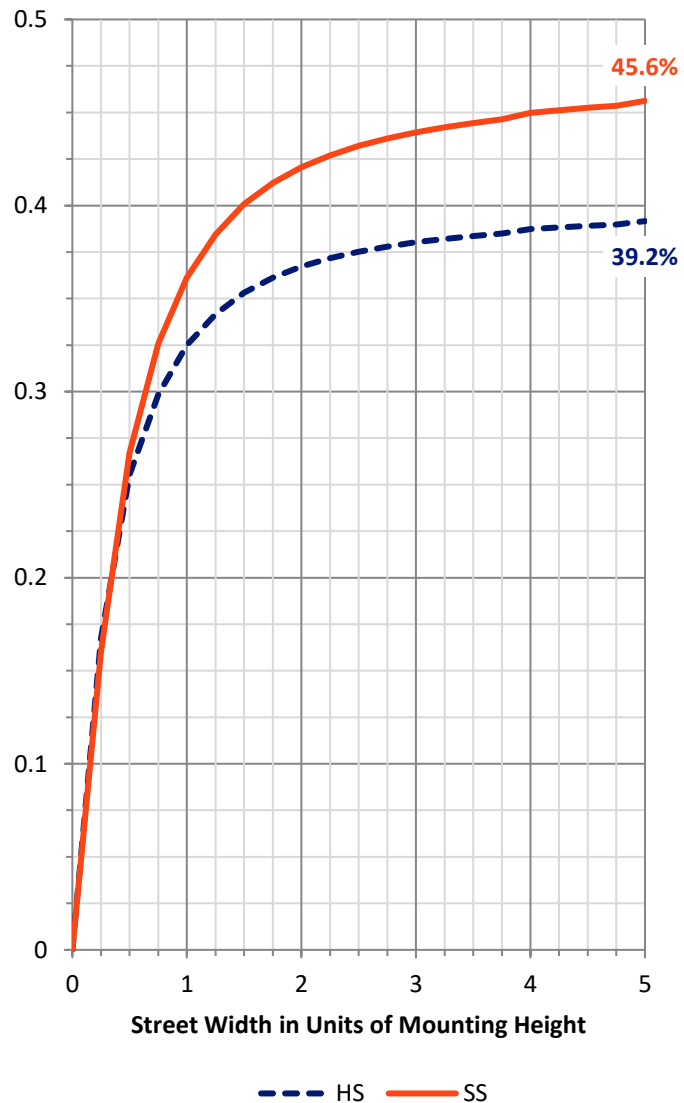
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3744.4	455.3	4199.7
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	4346.1	759.2	5105.3
	% Fixture	46.7	8.2	54.9
Total	Lumens	8090.6	1214.5	9305.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.3	6.8
10°-20°	1346.8	14.5
20°-30°	1463.1	15.7
30°-40°	1082.9	11.6
40°-50°	907.0	9.7
50°-60°	911.8	9.8
60°-70°	776.3	8.3
70°-80°	579.9	6.2
80°-90°	391.5	4.2
90°-100°	234.0	2.5
100°-110°	135.2	1.5
110°-120°	124.4	1.3
120°-130°	179.9	1.9
130°-140°	246.3	2.6
140°-150°	202.9	2.2
150°-160°	81.7	0.9
160°-170°	10.1	0.1
170°-180°	0.0	0.0
0°-90°	8090.6	86.9
0°-180°	9305.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691934

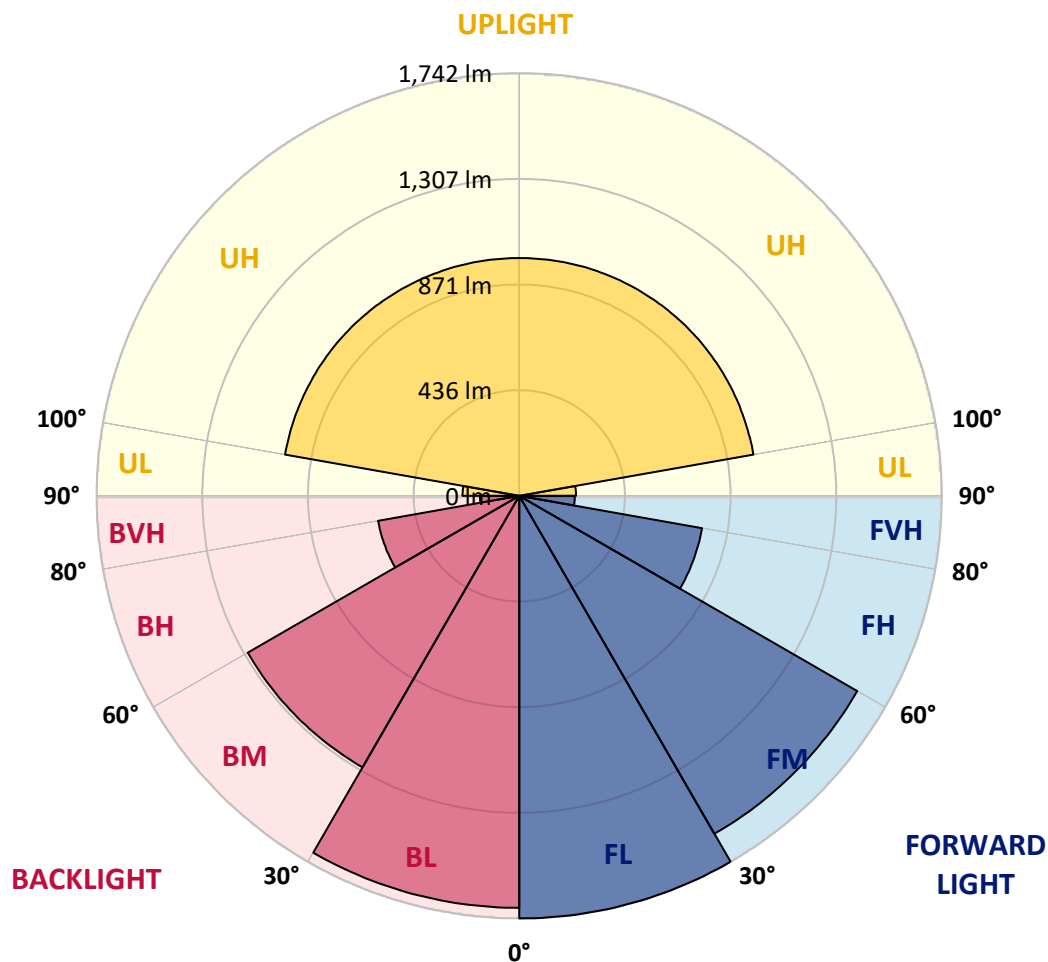
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1742.4	18.7			
FM	(30°-60°)	1609.2	17.3			
FH	(60°-80°)	765.3	8.2			G1/1800
FVH	(80°-90°)	229.2	2.5			G3/500
BL	(0°-30°)	1698.8	18.3	B3/2500		
BM	(30°-60°)	1292.6	13.9	B2/2500		
BH	(60°-80°)	590.8	6.3	B2/1000		G2/1000
BVH	(80°-90°)	162.2	1.7			G2/225
UL	(90°-100°)	234.0	2.5		U3/500	
UH	(100°-180°)	980.5	10.5		U4/1000	

BUG Rating: B3-U4-G3

Type I Short



REPORT NUMBER: P691934

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4
2.5°	6656.6	6693.9	6776.0	6817.0	6858.1	6910.3	6988.6	7048.3	7186.4	7313.3	7365.5
5°	5492.4	5559.6	5716.3	5843.2	5984.9	6134.2	6294.6	6436.4	6619.3	6787.2	6884.2
7.5°	4720.0	4776.0	4962.6	5208.8	5458.8	5667.8	5832.0	5940.2	6022.3	6089.4	6160.3
10°	4249.9	4298.4	4485.0	4705.1	4917.8	5111.8	5249.9	5354.4	5384.2	5451.4	5484.9
12.5°	4115.6	4138.0	4268.6	4421.5	4552.1	4742.4	4906.6	5018.5	5067.0	5126.7	5145.4
15°	4119.3	4119.3	4193.9	4290.9	4410.3	4555.9	4738.7	4873.0	4943.9	4977.5	4973.8
17.5°	4175.3	4171.5	4205.1	4283.5	4384.2	4529.7	4716.3	4854.4	4936.5	4947.6	4936.5
20°	4175.3	4179.0	4190.2	4279.8	4376.8	4507.4	4697.7	4813.3	4876.8	4843.2	4805.9
22.5°	3749.9	3746.2	3843.2	4033.5	4294.7	4567.1	4738.7	4880.5	4895.4	4772.3	4671.5
25°	3096.9	3070.8	3126.8	3212.6	3388.0	3705.1	4063.3	4600.6	4921.5	4850.6	4697.7
27.5°	2686.5	2652.9	2701.4	2664.1	2645.5	2623.1	2600.7	2537.3	2578.3	2615.6	2779.8
30°	2026.1	2033.5	2044.7	2067.1	2111.9	2201.4	2294.7	2350.7	2399.2	2496.2	2485.0
32.5°	1981.3	1977.6	1981.3	2003.7	2026.1	2082.0	2138.0	2167.9	2205.2	2298.5	2276.1
35°	1832.0	1824.6	1850.7	1861.9	1858.2	1873.1	1929.1	1962.6	1996.2	2055.9	2033.5
37.5°	1611.9	1619.4	1675.3	1705.2	1716.4	1750.0	1794.7	1824.6	1865.6	1910.4	1899.2
40°	1447.7	1444.0	1503.7	1544.7	1570.9	1623.1	1690.3	1735.0	1802.2	1839.5	1813.4
42.5°	1246.2	1261.2	1305.9	1347.0	1354.4	1380.6	1440.3	1492.5	1574.6	1630.6	1615.6
45°	1048.5	1059.7	1097.0	1130.6	1156.7	1190.3	1235.0	1279.8	1347.0	1391.8	1388.0
47.5°	925.4	936.5	966.4	1007.4	1044.8	1093.3	1138.0	1182.8	1246.2	1279.8	1268.6
50°	876.8	884.3	917.9	962.7	1018.6	1078.3	1138.0	1186.5	1246.2	1268.6	1250.0
52.5°	873.1	873.1	914.2	981.3	1059.7	1141.8	1220.1	1287.3	1343.3	1343.3	1305.9
55°	820.9	828.3	880.6	970.1	1089.5	1223.9	1361.9	1488.8	1563.4	1548.5	1477.6
57.5°	746.3	750.0	806.0	891.8	1018.6	1182.8	1369.4	1529.8	1619.4	1638.0	1563.4
60°	701.5	705.2	742.5	824.6	932.8	1063.4	1235.0	1361.9	1451.5	1507.4	1447.7
62.5°	664.2	664.2	701.5	757.4	847.0	944.0	1041.0	1126.8	1197.7	1238.8	1205.2
65°	623.1	623.1	649.2	701.5	772.4	865.7	940.3	1003.7	1067.1	1097.0	1067.1
67.5°	582.1	582.1	608.2	656.7	720.1	798.5	873.1	932.8	996.2	1018.6	996.2
70°	541.0	541.0	567.2	608.2	667.9	742.5	798.5	861.9	921.6	936.5	917.9
72.5°	500.0	500.0	526.1	563.4	615.7	686.6	738.8	787.3	843.3	854.5	835.8
75°	462.7	462.7	481.3	518.6	567.2	630.6	682.8	727.6	772.4	772.4	757.4
77.5°	421.6	425.4	440.3	473.9	518.6	578.3	626.9	667.9	705.2	705.2	686.6
80°	380.6	384.3	399.2	429.1	470.1	526.1	570.9	608.2	641.8	641.8	623.1
82.5°	339.5	343.3	358.2	384.3	421.6	473.9	518.6	556.0	585.8	582.1	563.4
85°	302.2	306.0	317.2	339.5	373.1	425.4	466.4	500.0	526.1	522.4	507.5
87.5°	264.9	268.7	279.8	298.5	328.4	376.9	417.9	447.8	470.1	466.4	451.5
90°	231.3	231.3	242.5	261.2	287.3	328.4	365.7	391.8	414.2	406.7	391.8
92.5°	201.5	205.2	212.7	227.6	250.0	287.3	320.9	343.3	365.7	361.9	347.0
95°	179.1	179.1	186.6	197.8	216.4	246.3	279.8	298.5	313.4	313.4	302.2
97.5°	156.7	160.4	164.2	171.6	186.6	209.0	235.1	253.7	264.9	264.9	257.5
100°	141.8	145.5	145.5	153.0	160.4	175.4	194.0	209.0	220.1	220.1	216.4
102.5°	134.3	134.3	134.3	138.1	141.8	149.3	160.4	167.9	175.4	179.1	175.4
105°	126.9	126.9	126.9	130.6	130.6	138.1	141.8	149.3	153.0	153.0	149.3
107.5°	123.1	123.1	126.9	126.9	126.9	130.6	138.1	138.1	141.8	138.1	138.1
110°	126.9	126.9	126.9	126.9	126.9	130.6	134.3	134.3	134.3	134.3	130.6



REPORT NUMBER: P691934

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	130.6	130.6	130.6	130.6	134.3	134.3	134.3	138.1	138.1	134.3	134.3
115°	141.8	141.8	141.8	141.8	141.8	145.5	145.5	145.5	145.5	141.8	138.1
117.5°	153.0	153.0	153.0	156.7	156.7	160.4	156.7	160.4	156.7	153.0	153.0
120°	171.6	171.6	175.4	179.1	182.8	182.8	179.1	182.8	182.8	175.4	171.6
122.5°	194.0	194.0	197.8	209.0	212.7	216.4	212.7	212.7	212.7	205.2	201.5
125°	216.4	220.1	227.6	242.5	253.7	261.2	253.7	257.5	257.5	246.3	242.5
127.5°	242.5	246.3	261.2	283.6	302.2	309.7	306.0	309.7	313.4	294.8	287.3
130°	268.7	268.7	291.0	324.6	350.7	361.9	365.7	369.4	373.1	354.5	339.5
132.5°	291.0	291.0	320.9	361.9	395.5	414.2	421.6	429.1	436.6	410.4	391.8
135°	306.0	309.7	347.0	395.5	436.6	462.7	473.9	481.3	492.5	462.7	440.3
137.5°	317.2	324.6	361.9	414.2	458.9	496.3	518.6	529.8	537.3	507.5	477.6
140°	320.9	324.6	365.7	417.9	462.7	503.7	537.3	556.0	559.7	529.8	500.0
142.5°	309.7	317.2	354.5	406.7	451.5	496.3	533.6	552.2	556.0	529.8	500.0
145°	294.8	298.5	332.1	380.6	425.4	473.9	514.9	533.6	533.6	511.2	481.3
147.5°	268.7	272.4	302.2	343.3	388.1	436.6	477.6	496.3	500.0	477.6	451.5
150°	231.3	235.1	257.5	291.0	335.8	384.3	421.6	444.0	444.0	421.6	403.0
152.5°	186.6	190.3	209.0	235.1	272.4	317.2	350.7	373.1	373.1	358.2	335.8
155°	145.5	145.5	160.4	182.8	209.0	242.5	268.7	287.3	291.0	276.1	261.2
157.5°	104.5	104.5	115.7	134.3	156.7	182.8	201.5	216.4	216.4	205.2	197.8
160°	70.9	70.9	78.4	89.6	104.5	123.1	138.1	153.0	153.0	145.5	138.1
162.5°	37.3	37.3	44.8	52.2	63.4	78.4	85.8	97.0	97.0	93.3	89.6
165°	11.2	11.2	14.9	18.7	26.1	33.6	37.3	44.8	48.5	44.8	41.0
167.5°	0.0	0.0	3.7	3.7	3.7	3.7	7.5	11.2	11.2	11.2	11.2
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: P691934

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4	8074.4
2.5°	7421.5	7656.5	7869.2	8089.4	8361.7	8600.6	8858.0	9040.8	9119.2	9119.2	9149.0
5°	6955.1	7119.2	7290.9	7484.9	7809.5	8208.8	8667.7	9044.6	9261.0	9294.6	9290.8
7.5°	6182.7	6294.6	6470.0	6686.4	6984.9	7343.1	7932.7	8522.2	8914.0	8984.9	8958.8
10°	5503.6	5608.1	5712.6	5794.6	6007.3	6290.9	6723.7	7298.3	7749.8	7820.7	7764.7
12.5°	5156.6	5190.2	5186.4	5235.0	5320.8	5462.6	5682.7	6014.8	6324.5	6391.6	6343.1
15°	4973.8	4925.3	4850.6	4764.8	4757.4	4779.7	4835.7	4970.0	5100.6	5156.6	5119.3
17.5°	4899.1	4783.5	4630.5	4462.6	4350.6	4246.2	4175.3	4130.5	4149.2	4152.9	4123.0
20°	4723.8	4585.7	4339.5	4100.7	3921.6	3738.7	3582.0	3466.3	3447.7	3429.0	3406.6
22.5°	4526.0	4290.9	3996.2	3705.1	3440.2	3197.7	3022.3	2884.3	2832.0	2850.7	2839.5
25°	4485.0	4093.2	3735.0	3264.9	2929.0	2656.7	2328.3	2104.4	2003.7	2059.7	2022.3
27.5°	2690.2	2701.4	2499.9	2216.4	1973.8	1813.4	1667.9	1548.5	1481.3	1481.3	1488.8
30°	2436.5	2328.3	2194.0	2018.6	1805.9	1645.5	1485.0	1354.4	1283.6	1264.9	1272.4
32.5°	2227.6	2152.9	2026.1	1858.2	1664.1	1500.0	1332.1	1212.7	1145.5	1141.8	1138.0
35°	2003.7	1925.3	1820.9	1675.3	1507.4	1354.4	1208.9	1104.5	1044.8	1048.5	1048.5
37.5°	1850.7	1779.8	1686.5	1548.5	1395.5	1242.5	1111.9	1014.9	966.4	966.4	962.7
40°	1772.3	1690.3	1589.5	1462.7	1320.9	1160.4	1037.3	944.0	903.0	903.0	899.2
42.5°	1600.7	1529.8	1462.7	1332.1	1190.3	1059.7	944.0	861.9	820.9	820.9	820.9
45°	1358.2	1317.1	1264.9	1175.3	1059.7	951.5	854.5	776.1	742.5	738.8	738.8
47.5°	1253.7	1208.9	1145.5	1063.4	970.1	869.4	776.1	720.1	686.6	686.6	686.6
50°	1223.9	1171.6	1085.8	988.8	891.8	802.2	720.1	667.9	638.0	638.0	641.8
52.5°	1264.9	1179.1	1063.4	944.0	843.3	742.5	671.6	619.4	597.0	597.0	593.3
55°	1406.7	1246.2	1078.3	932.8	806.0	697.7	623.1	567.2	541.0	541.0	541.0
57.5°	1485.0	1294.7	1089.5	917.9	772.4	664.2	585.8	526.1	500.0	500.0	500.0
60°	1395.5	1238.8	1044.8	888.0	746.3	634.3	552.2	496.3	470.1	466.4	462.7
62.5°	1167.9	1070.9	932.8	802.2	690.3	593.3	526.1	470.1	444.0	444.0	440.3
65°	1041.0	958.9	839.5	727.6	634.3	552.2	488.8	444.0	417.9	414.2	414.2
67.5°	970.1	895.5	776.1	671.6	585.8	511.2	451.5	410.4	391.8	384.3	384.3
70°	891.8	809.7	705.2	611.9	533.6	466.4	417.9	376.9	358.2	354.5	350.7
72.5°	813.4	738.8	641.8	552.2	481.3	425.4	380.6	343.3	324.6	320.9	320.9
75°	731.3	660.4	567.2	492.5	432.8	380.6	339.5	309.7	294.8	291.0	287.3
77.5°	664.2	600.7	511.2	440.3	384.3	343.3	306.0	279.8	264.9	264.9	261.2
80°	600.7	541.0	455.2	391.8	343.3	302.2	272.4	250.0	238.8	235.1	235.1
82.5°	541.0	481.3	403.0	347.0	302.2	268.7	238.8	220.1	209.0	209.0	209.0
85°	485.1	429.1	358.2	306.0	264.9	235.1	209.0	190.3	182.8	179.1	182.8
87.5°	429.1	376.9	317.2	268.7	231.3	201.5	179.1	164.2	156.7	156.7	156.7
90°	376.9	328.4	272.4	227.6	197.8	171.6	153.0	138.1	134.3	130.6	130.6
92.5°	332.1	291.0	242.5	205.2	175.4	156.7	138.1	126.9	119.4	119.4	119.4
95°	291.0	253.7	216.4	182.8	160.4	141.8	126.9	115.7	111.9	111.9	111.9
97.5°	250.0	220.1	190.3	164.2	145.5	130.6	115.7	108.2	104.5	100.7	104.5
100°	209.0	186.6	164.2	145.5	130.6	115.7	104.5	97.0	93.3	93.3	93.3
102.5°	167.9	156.7	138.1	123.1	111.9	104.5	93.3	85.8	82.1	82.1	82.1
105°	145.5	134.3	123.1	111.9	104.5	93.3	85.8	78.4	74.6	74.6	74.6
107.5°	134.3	126.9	115.7	108.2	97.0	89.6	82.1	70.9	67.2	67.2	67.2
110°	130.6	123.1	115.7	104.5	97.0	89.6	82.1	67.2	63.4	63.4	63.4



REPORT NUMBER: P691934

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	130.6	123.1	115.7	108.2	100.7	89.6	82.1	67.2	59.7	59.7	59.7
115°	138.1	130.6	123.1	115.7	104.5	93.3	85.8	67.2	59.7	59.7	59.7
117.5°	149.3	141.8	134.3	123.1	111.9	100.7	85.8	67.2	63.4	63.4	63.4
120°	167.9	160.4	149.3	138.1	123.1	108.2	93.3	70.9	59.7	63.4	63.4
122.5°	194.0	186.6	171.6	153.0	138.1	119.4	97.0	74.6	56.0	63.4	63.4
125°	231.3	220.1	197.8	175.4	153.0	130.6	104.5	78.4	59.7	67.2	67.2
127.5°	272.4	257.5	227.6	197.8	171.6	141.8	111.9	82.1	63.4	67.2	67.2
130°	320.9	294.8	257.5	220.1	186.6	153.0	119.4	85.8	67.2	67.2	67.2
132.5°	369.4	332.1	283.6	242.5	201.5	160.4	123.1	85.8	67.2	67.2	67.2
135°	410.4	365.7	309.7	257.5	209.0	164.2	126.9	85.8	67.2	67.2	67.2
137.5°	447.8	388.1	324.6	264.9	212.7	164.2	123.1	85.8	63.4	63.4	63.4
140°	466.4	399.2	332.1	264.9	209.0	160.4	115.7	78.4	59.7	59.7	59.7
142.5°	466.4	395.5	324.6	257.5	201.5	153.0	108.2	74.6	52.2	56.0	56.0
145°	451.5	380.6	309.7	242.5	186.6	138.1	97.0	63.4	48.5	48.5	48.5
147.5°	417.9	350.7	283.6	220.1	167.9	119.4	85.8	56.0	41.0	37.3	41.0
150°	373.1	309.7	246.3	190.3	141.8	100.7	70.9	44.8	33.6	33.6	33.6
152.5°	313.4	257.5	205.2	156.7	111.9	78.4	52.2	33.6	26.1	26.1	26.1
155°	246.3	201.5	160.4	119.4	85.8	59.7	41.0	26.1	18.7	18.7	18.7
157.5°	186.6	153.0	119.4	85.8	63.4	44.8	29.9	18.7	14.9	14.9	14.9
160°	130.6	104.5	82.1	59.7	41.0	29.9	18.7	11.2	7.5	7.5	7.5
162.5°	82.1	67.2	52.2	33.6	26.1	18.7	11.2	7.5	3.7	3.7	3.7
165°	37.3	33.6	22.4	14.9	11.2	7.5	3.7	3.7	0.0	0.0	0.0
167.5°	11.2	7.5	7.5	3.7	3.7	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)