

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: P691997

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9917 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

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



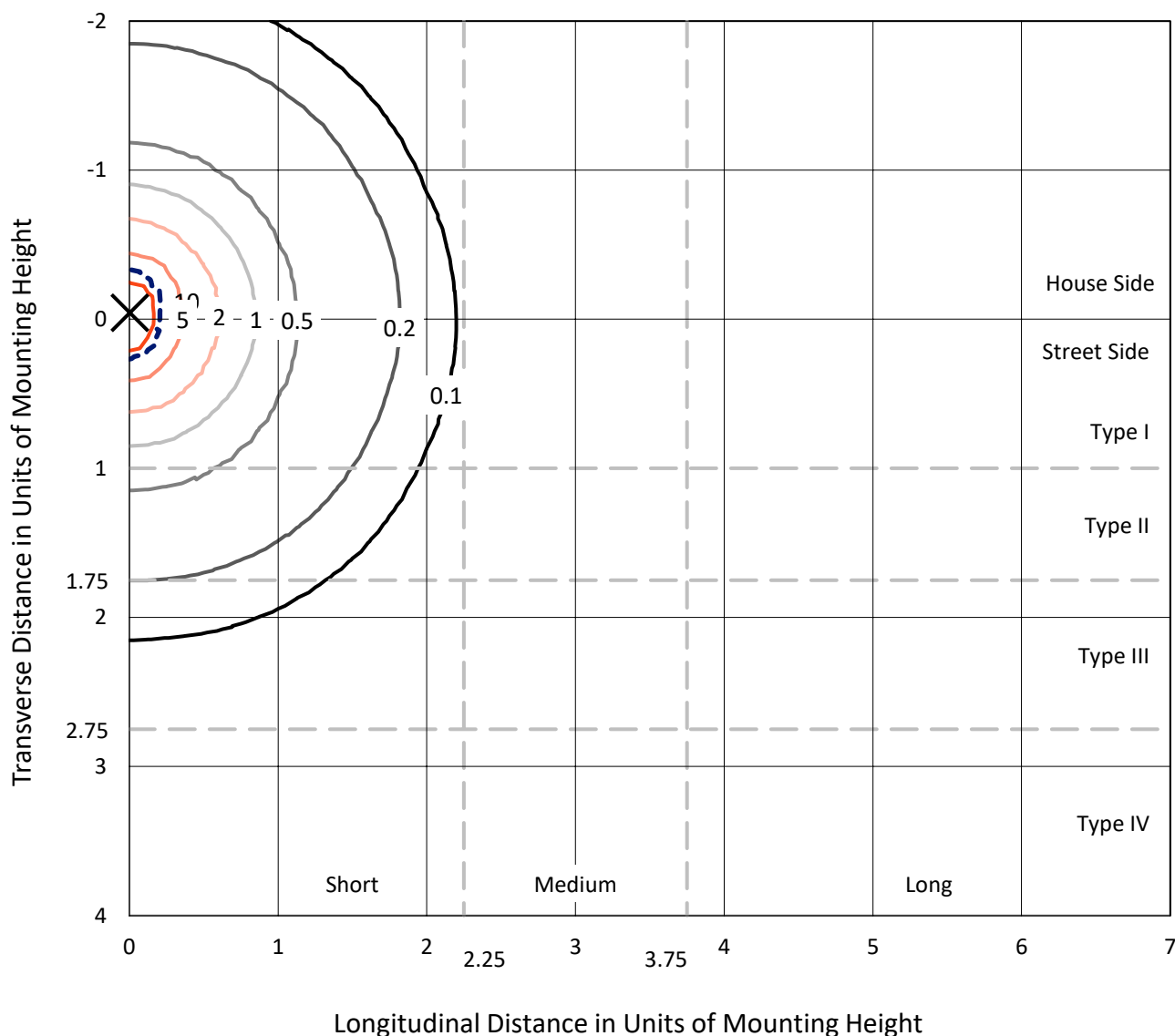
REPORT NUMBER: P691997

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

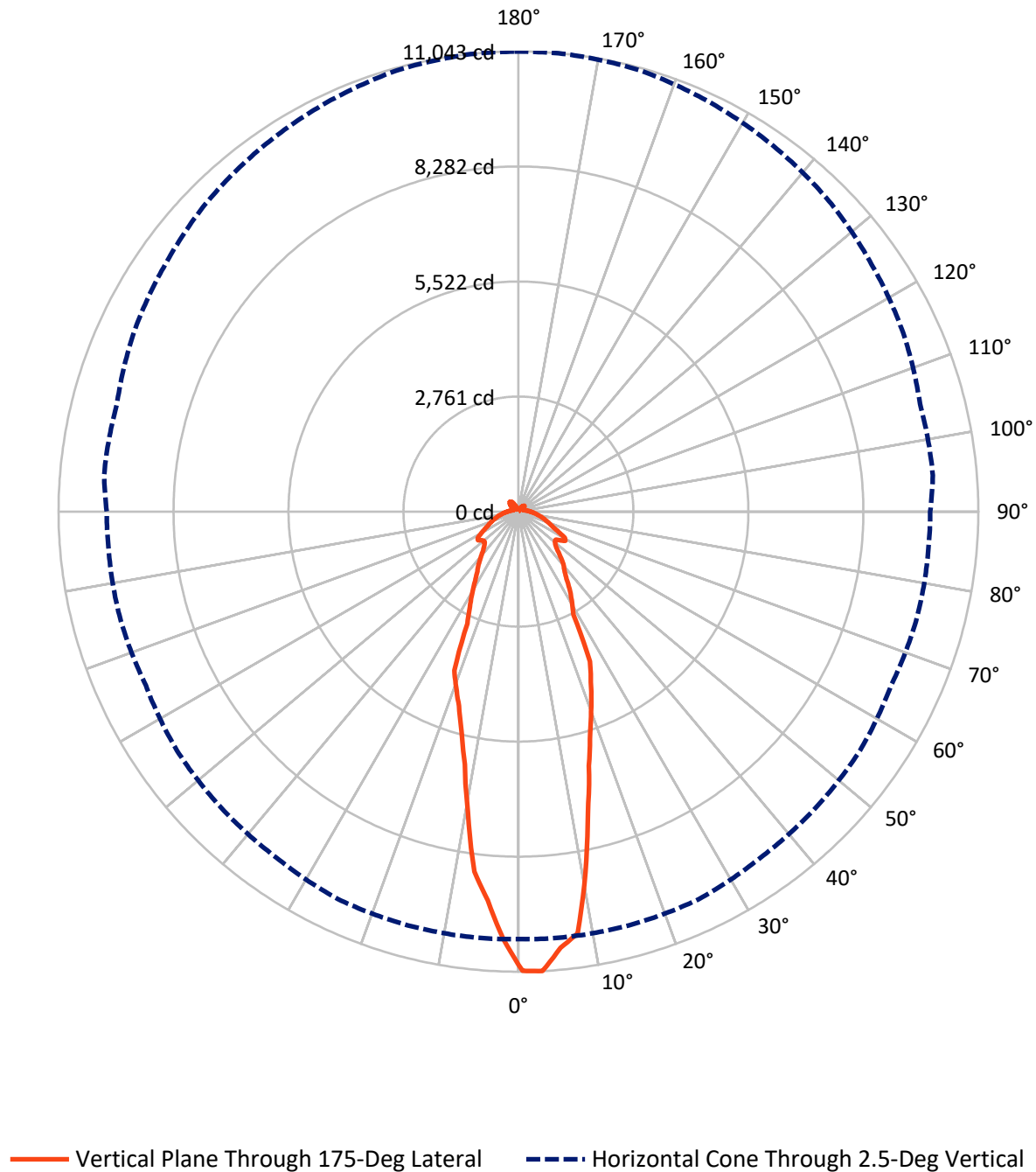


Based on 25 foot mounting height. Maximum calculated value = 17.6 fc

Type V - Short - N/A

REPORT NUMBER: P691997
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691997

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

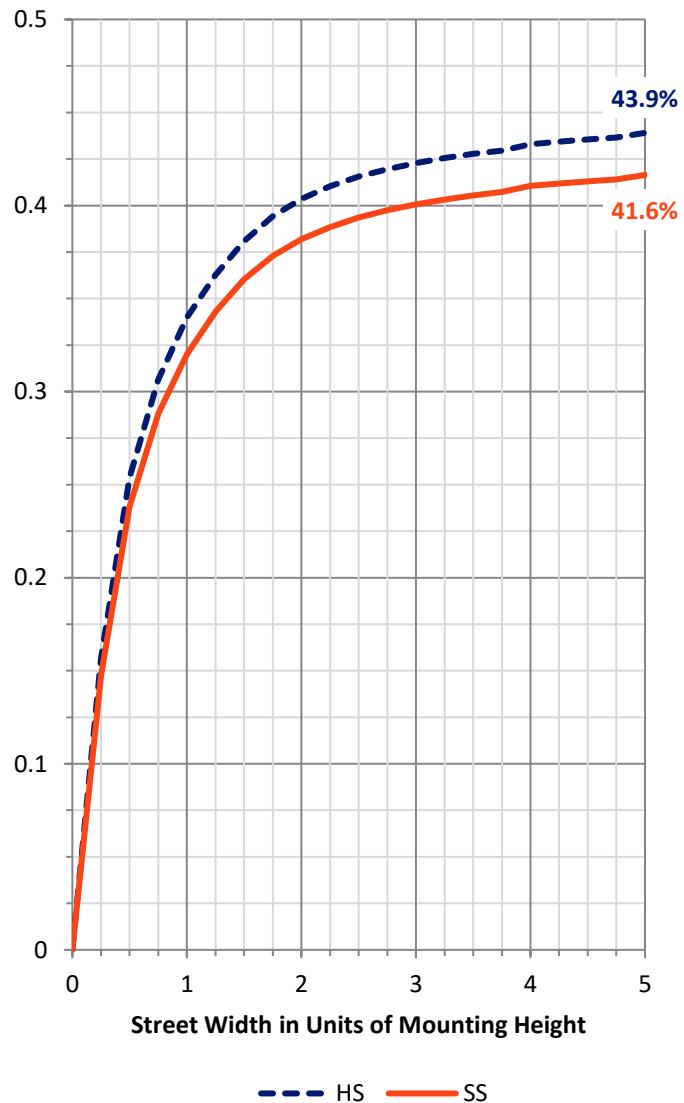
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4488.3	592.9	5081.2
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	4227.3	608.5	4835.8
	% Fixture	42.6	6.1	48.8
Total	Lumens	8715.5	1201.5	9917.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.5	8.3
10°-20°	1440.0	14.5
20°-30°	1428.0	14.4
30°-40°	1100.8	11.1
40°-50°	943.7	9.5
50°-60°	1055.5	10.6
60°-70°	904.3	9.1
70°-80°	622.3	6.3
80°-90°	400.5	4.0
90°-100°	240.0	2.4
100°-110°	142.8	1.4
110°-120°	132.2	1.3
120°-130°	188.6	1.9
130°-140°	243.7	2.5
140°-150°	180.4	1.8
150°-160°	66.0	0.7
160°-170°	7.7	0.1
170°-180°	0.0	0.0
0°-90°	8715.5	87.9
0°-180°	9917.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691997

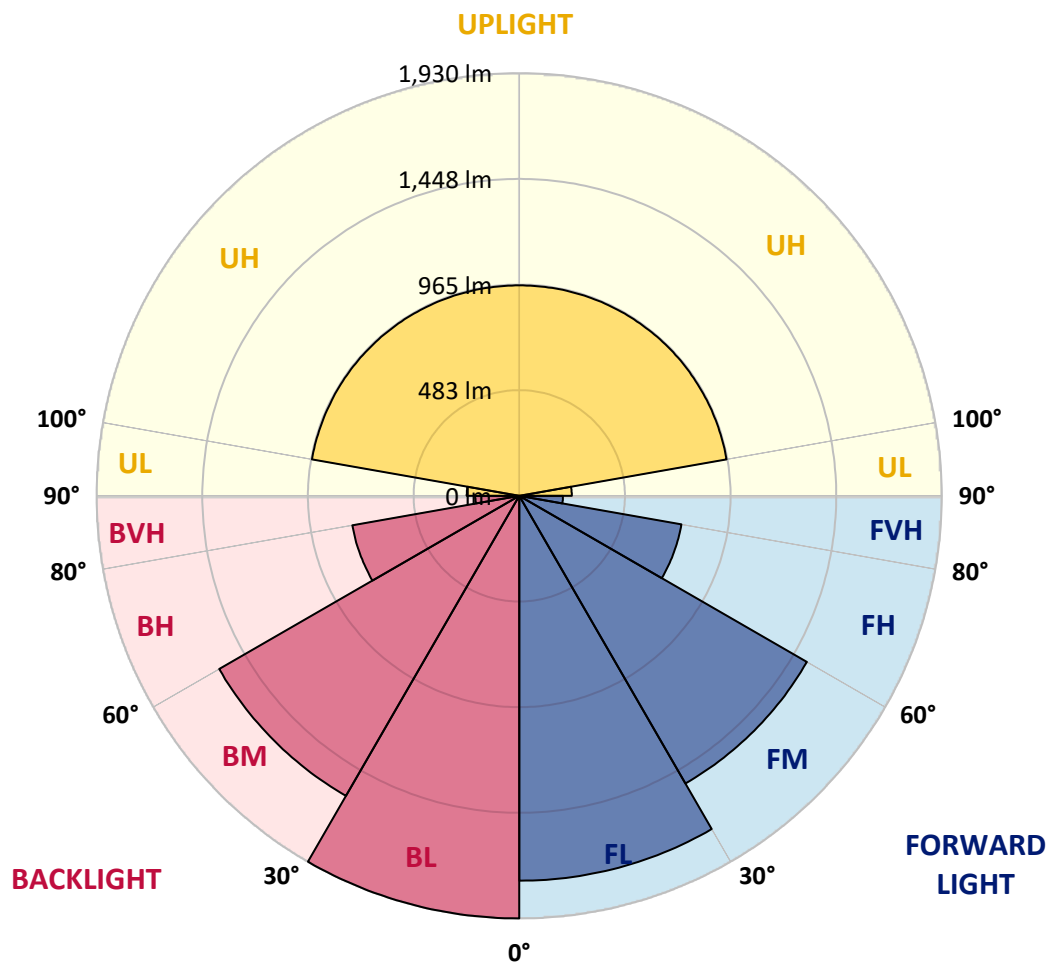
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1758.1	17.7			
FM	(30°-60°)	1517.3	15.3			
FH	(60°-80°)	752.2	7.6			G1/1800
FVH	(80°-90°)	199.6	2.0			G2/225
BL	(0°-30°)	1930.4	19.5	B3/2500		
BM	(30°-60°)	1582.7	16.0	B2/2500		
BH	(60°-80°)	774.3	7.8	B2/1000		G1/1800
BVH	(80°-90°)	200.9	2.0			G2/225
UL	(90°-100°)	240.0	2.4		U3/500	
UH	(100°-180°)	961.4	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



REPORT NUMBER: P691997

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8
2.5°	10259.7	10274.6	10278.3	10259.7	10136.6	10073.1	10006.0	9871.7	9901.5	9882.9	9886.6
5°	9304.6	9364.3	9271.0	9244.9	9058.4	8920.3	8786.0	8640.5	8606.9	8547.2	8569.6
7.5°	8670.4	8703.9	8551.0	8394.3	8095.8	7883.2	7659.3	7435.5	7267.6	7204.2	7230.3
10°	7219.1	7331.0	7178.0	7017.6	6734.1	6480.4	6245.3	6025.2	5872.3	5823.8	5831.2
12.5°	6137.2	6200.6	6070.0	5961.8	5644.7	5402.2	5185.8	4980.6	4857.5	4805.3	4805.3
15°	5420.8	5447.0	5346.2	5137.3	4898.5	4678.4	4495.6	4346.4	4245.6	4227.0	4234.5
17.5°	4879.9	4879.9	4779.1	4615.0	4432.2	4238.2	4111.3	3999.4	3954.6	3969.6	3973.3
20°	4473.2	4477.0	4387.4	4227.0	4070.3	3894.9	3790.5	3712.1	3686.0	3712.1	3715.9
22.5°	4088.9	4107.6	4010.6	3891.2	3719.6	3581.6	3495.8	3409.9	3395.0	3406.2	3406.2
25°	2958.5	2958.5	2924.9	2831.7	2869.0	2883.9	2984.6	3201.0	3156.3	3197.3	3193.6
27.5°	2551.9	2566.8	2499.6	2417.6	2331.7	2231.0	2212.4	2193.7	2175.1	2260.9	2290.7
30°	2253.4	2260.9	2204.9	2148.9	2078.1	2022.1	2007.2	2007.2	1988.5	2055.7	2051.9
32.5°	1969.9	1958.7	1943.7	1891.5	1846.7	1798.2	1809.4	1802.0	1802.0	1861.7	1865.4
35°	1746.0	1742.3	1731.1	1693.8	1649.0	1611.7	1622.9	1630.4	1626.6	1663.9	1663.9
37.5°	1581.9	1585.6	1578.1	1563.2	1518.4	1488.6	1496.0	1488.6	1499.8	1525.9	1525.9
40°	1421.4	1421.4	1425.2	1421.4	1391.6	1380.4	1402.8	1391.6	1417.7	1436.4	1428.9
42.5°	1268.5	1272.2	1279.7	1272.2	1253.5	1242.4	1253.5	1257.3	1294.6	1320.7	1317.0
45°	1171.5	1171.5	1175.2	1171.5	1156.5	1145.4	1145.4	1134.2	1160.3	1175.2	1171.5
47.5°	1108.0	1108.0	1115.5	1111.8	1104.3	1093.1	1085.7	1070.7	1081.9	1093.1	1081.9
50°	1085.7	1085.7	1100.6	1100.6	1096.9	1085.7	1074.5	1055.8	1059.5	1067.0	1052.1
52.5°	1119.2	1119.2	1145.4	1156.5	1156.5	1137.9	1123.0	1096.9	1096.9	1104.3	1081.9
55°	1190.1	1190.1	1231.2	1253.5	1257.3	1257.3	1238.6	1212.5	1216.2	1231.2	1208.8
57.5°	1164.0	1167.7	1201.3	1231.2	1249.8	1261.0	1261.0	1246.1	1257.3	1294.6	1283.4
60°	1040.9	1048.4	1070.7	1096.9	1130.4	1141.6	1141.6	1137.9	1156.5	1201.3	1201.3
62.5°	925.2	929.0	940.2	962.5	981.2	988.7	988.7	973.7	996.1	1018.5	1011.0
65°	835.7	832.0	854.4	873.0	884.2	895.4	884.2	869.3	880.5	895.4	891.7
67.5°	761.1	761.1	779.7	794.7	802.1	813.3	805.9	798.4	813.3	820.8	813.3
70°	690.2	693.9	708.9	720.0	727.5	738.7	727.5	723.8	738.7	746.2	742.4
72.5°	619.3	623.0	634.2	649.2	656.6	660.4	656.6	652.9	664.1	671.5	671.5
75°	555.9	559.6	567.1	582.0	582.0	589.5	585.7	582.0	593.2	600.7	600.7
77.5°	496.2	503.7	507.4	518.6	522.3	526.0	522.3	522.3	529.8	537.2	541.0
80°	444.0	447.7	451.4	462.6	462.6	466.3	462.6	462.6	470.1	481.3	481.3
82.5°	395.5	399.2	402.9	410.4	406.7	410.4	410.4	410.4	417.8	429.0	429.0
85°	347.0	354.4	354.4	361.9	361.9	361.9	361.9	365.6	369.3	380.5	380.5
87.5°	305.9	309.7	313.4	317.1	317.1	320.8	320.8	324.6	328.3	335.8	339.5
90°	264.9	268.6	272.3	272.3	272.3	276.1	276.1	279.8	283.5	291.0	294.7
92.5°	235.0	238.8	238.8	242.5	242.5	242.5	246.2	250.0	253.7	261.2	261.2
95°	208.9	212.7	212.7	212.7	212.7	216.4	216.4	220.1	223.8	231.3	231.3
97.5°	186.5	186.5	186.5	186.5	186.5	190.3	190.3	194.0	197.7	201.5	201.5
100°	164.2	164.2	164.2	164.2	164.2	164.2	164.2	167.9	167.9	175.3	175.3
102.5°	145.5	145.5	141.8	141.8	141.8	138.0	138.0	141.8	141.8	145.5	145.5
105°	130.6	130.6	130.6	130.6	126.8	126.8	126.8	126.8	126.8	130.6	130.6
107.5°	126.8	126.8	123.1	123.1	123.1	119.4	119.4	119.4	119.4	123.1	123.1
110°	123.1	123.1	123.1	123.1	119.4	119.4	115.7	115.7	115.7	119.4	119.4



REPORT NUMBER: P691997

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	126.8	126.8	126.8	123.1	123.1	119.4	119.4	119.4	119.4	119.4	123.1
115°	134.3	130.6	130.6	130.6	130.6	126.8	123.1	123.1	126.8	126.8	126.8
117.5°	145.5	141.8	141.8	145.5	141.8	138.0	134.3	134.3	138.0	138.0	141.8
120°	160.4	156.7	160.4	160.4	160.4	156.7	153.0	149.2	153.0	156.7	156.7
122.5°	179.1	175.3	179.1	182.8	182.8	179.1	171.6	171.6	175.3	179.1	182.8
125°	201.5	201.5	205.2	208.9	212.7	205.2	201.5	197.7	205.2	208.9	208.9
127.5°	227.6	223.8	231.3	242.5	246.2	238.8	231.3	227.6	235.0	242.5	242.5
130°	253.7	250.0	261.2	272.3	279.8	272.3	264.9	261.2	268.6	276.1	276.1
132.5°	276.1	272.3	287.3	302.2	309.7	305.9	298.5	291.0	302.2	309.7	305.9
135°	294.7	294.7	313.4	328.3	335.8	332.0	324.6	317.1	332.0	339.5	332.0
137.5°	305.9	305.9	328.3	343.2	350.7	350.7	347.0	339.5	354.4	358.2	347.0
140°	305.9	309.7	328.3	343.2	347.0	350.7	350.7	347.0	361.9	361.9	350.7
142.5°	294.7	298.5	317.1	332.0	335.8	339.5	343.2	339.5	350.7	350.7	343.2
145°	276.1	279.8	298.5	313.4	313.4	317.1	324.6	320.8	328.3	332.0	324.6
147.5°	250.0	253.7	268.6	276.1	279.8	287.3	294.7	294.7	298.5	302.2	298.5
150°	216.4	216.4	227.6	235.0	238.8	246.2	253.7	257.4	257.4	261.2	257.4
152.5°	171.6	171.6	179.1	186.5	190.3	201.5	205.2	208.9	212.7	216.4	212.7
155°	130.6	130.6	134.3	138.0	141.8	153.0	156.7	160.4	164.2	167.9	164.2
157.5°	93.3	93.3	97.0	100.7	104.5	111.9	115.7	119.4	119.4	123.1	123.1
160°	59.7	63.4	63.4	67.2	67.2	74.6	78.3	78.3	82.1	85.8	85.8
162.5°	29.8	33.6	33.6	37.3	41.0	44.8	48.5	48.5	52.2	52.2	52.2
165°	7.5	11.2	11.2	14.9	14.9	18.7	22.4	22.4	26.1	26.1	26.1
167.5°	0.0	3.7	3.7	3.7	3.7	3.7	3.7	7.5	7.5	7.5	7.5
170°	0.0	0.0	0.0	0.0	3.7	0.0	0.0	3.7	3.7	3.7	3.7
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: P691997

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8	11020.8
2.5°	9987.3	9979.9	10185.1	10349.2	10543.2	10696.2	10845.4	10987.2	11043.1	11039.4	11043.1
5°	8670.4	8800.9	9069.6	9334.4	9647.8	9942.6	10218.6	10401.5	10517.1	10517.1	10528.3
7.5°	7349.7	7558.6	7890.6	8312.2	8782.3	9166.6	9632.9	9961.2	10222.4	10214.9	10263.4
10°	5935.7	6099.8	6431.9	6883.3	7401.9	7845.9	8252.5	8558.4	8812.1	8797.2	8860.6
12.5°	4876.1	4991.8	5279.1	5689.5	6163.3	6592.3	6991.5	7230.3	7409.4	7405.6	7439.2
15°	4253.1	4372.5	4559.0	4842.6	5234.3	5614.8	6014.0	6230.4	6331.2	6320.0	6375.9
17.5°	3999.4	4047.9	4163.6	4353.8	4637.4	4947.0	5264.1	5450.7	5566.3	5551.4	5592.5
20°	3727.1	3771.8	3850.2	3991.9	4193.4	4428.5	4697.1	4902.3	4988.1	4984.3	5010.5
22.5°	3413.7	3436.1	3521.9	3633.8	3779.3	3969.6	4174.8	4361.3	4447.1	4443.4	4469.5
25°	3197.3	3234.6	3286.8	3354.0	3454.7	3603.9	3775.6	3906.1	3984.5	3977.0	4010.6
27.5°	2335.5	2372.8	2398.9	2439.9	2443.7	2566.8	2626.5	2734.7	2805.6	2801.8	2824.2
30°	2051.9	2059.4	2081.8	2137.7	2171.3	2268.3	2387.7	2469.8	2529.5	2551.9	2566.8
32.5°	1872.9	1895.2	1921.4	1947.5	1988.5	2048.2	2141.5	2216.1	2279.5	2290.7	2316.8
35°	1667.7	1682.6	1701.2	1727.4	1753.5	1802.0	1872.9	1932.6	1981.1	1999.7	2014.6
37.5°	1522.2	1525.9	1544.5	1574.4	1596.8	1637.8	1701.2	1746.0	1794.5	1798.2	1813.2
40°	1425.2	1428.9	1447.5	1473.7	1499.8	1525.9	1581.9	1622.9	1656.5	1660.2	1671.4
42.5°	1313.2	1324.4	1331.9	1343.1	1361.7	1384.1	1432.6	1455.0	1477.4	1481.1	1496.0
45°	1160.3	1164.0	1171.5	1182.7	1205.0	1227.4	1261.0	1287.1	1302.0	1302.0	1298.3
47.5°	1074.5	1078.2	1078.2	1093.1	1111.8	1134.2	1164.0	1186.4	1193.9	1193.9	1193.9
50°	1044.6	1044.6	1037.2	1048.4	1067.0	1081.9	1111.8	1130.4	1134.2	1137.9	1141.6
52.5°	1067.0	1059.5	1037.2	1048.4	1067.0	1081.9	1111.8	1119.2	1119.2	1126.7	1130.4
55°	1190.1	1178.9	1134.2	1141.6	1164.0	1182.7	1205.0	1208.8	1216.2	1227.4	1223.7
57.5°	1268.5	1275.9	1223.7	1234.9	1275.9	1290.9	1317.0	1313.2	1328.2	1343.1	1346.8
60°	1193.9	1216.2	1175.2	1190.1	1238.6	1246.1	1272.2	1257.3	1279.7	1279.7	1279.7
62.5°	1014.8	1022.2	999.9	1022.2	1067.0	1067.0	1085.7	1074.5	1081.9	1074.5	1078.2
65°	887.9	884.2	858.1	887.9	902.9	910.3	925.2	929.0	929.0	921.5	921.5
67.5°	809.6	802.1	779.7	787.2	802.1	805.9	828.2	832.0	828.2	828.2	832.0
70°	738.7	727.5	705.1	708.9	720.0	723.8	742.4	749.9	746.2	742.4	746.2
72.5°	667.8	656.6	634.2	634.2	645.4	652.9	667.8	675.3	667.8	667.8	671.5
75°	600.7	589.5	567.1	567.1	574.5	578.3	596.9	600.7	596.9	593.2	596.9
77.5°	541.0	533.5	511.1	511.1	514.8	518.6	529.8	533.5	529.8	526.0	529.8
80°	485.0	473.8	458.9	455.2	458.9	458.9	470.1	473.8	466.3	466.3	470.1
82.5°	432.8	421.6	406.7	406.7	402.9	406.7	414.1	417.8	414.1	410.4	414.1
85°	384.3	376.8	361.9	358.2	358.2	358.2	365.6	365.6	361.9	361.9	361.9
87.5°	339.5	332.0	317.1	317.1	313.4	317.1	320.8	320.8	317.1	317.1	317.1
90°	294.7	287.3	276.1	276.1	272.3	276.1	279.8	279.8	276.1	276.1	276.1
92.5°	261.2	257.4	246.2	246.2	242.5	246.2	246.2	246.2	242.5	242.5	242.5
95°	231.3	227.6	220.1	216.4	216.4	216.4	216.4	216.4	212.7	212.7	212.7
97.5°	201.5	197.7	190.3	190.3	186.5	190.3	190.3	190.3	186.5	186.5	186.5
100°	175.3	171.6	167.9	167.9	164.2	164.2	164.2	164.2	164.2	164.2	164.2
102.5°	145.5	145.5	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
105°	130.6	130.6	130.6	130.6	134.3	134.3	134.3	130.6	130.6	130.6	130.6
107.5°	123.1	123.1	123.1	126.8	126.8	126.8	130.6	123.1	119.4	119.4	119.4
110°	119.4	119.4	123.1	123.1	126.8	126.8	130.6	115.7	111.9	111.9	111.9

REPORT NUMBER: P691997

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	123.1	123.1	123.1	126.8	130.6	130.6	134.3	115.7	111.9	111.9	111.9
115°	130.6	130.6	130.6	134.3	138.0	141.8	141.8	123.1	115.7	115.7	119.4
117.5°	141.8	141.8	141.8	145.5	153.0	153.0	153.0	130.6	126.8	126.8	126.8
120°	156.7	160.4	160.4	164.2	171.6	175.3	167.9	149.2	126.8	138.0	138.0
122.5°	179.1	182.8	186.5	190.3	201.5	201.5	190.3	171.6	138.0	153.0	156.7
125°	208.9	212.7	216.4	223.8	235.0	235.0	220.1	194.0	156.7	171.6	175.3
127.5°	238.8	246.2	250.0	261.2	276.1	276.1	257.4	223.8	175.3	186.5	190.3
130°	272.3	279.8	287.3	302.2	320.8	313.4	298.5	253.7	190.3	197.7	197.7
132.5°	302.2	313.4	317.1	339.5	358.2	350.7	332.0	272.3	197.7	197.7	194.0
135°	324.6	332.0	335.8	358.2	376.8	365.6	343.2	279.8	194.0	186.5	186.5
137.5°	339.5	347.0	350.7	365.6	380.5	361.9	332.0	264.9	186.5	182.8	179.1
140°	347.0	347.0	347.0	358.2	365.6	343.2	305.9	238.8	167.9	175.3	175.3
142.5°	339.5	335.8	332.0	339.5	343.2	317.1	283.5	212.7	153.0	160.4	160.4
145°	320.8	313.4	309.7	313.4	313.4	283.5	246.2	182.8	134.3	138.0	138.0
147.5°	294.7	283.5	276.1	276.1	272.3	242.5	208.9	153.0	115.7	111.9	111.9
150°	253.7	242.5	235.0	235.0	223.8	197.7	167.9	119.4	93.3	93.3	93.3
152.5°	208.9	197.7	190.3	190.3	179.1	153.0	126.8	89.5	70.9	70.9	70.9
155°	164.2	153.0	145.5	141.8	134.3	115.7	93.3	67.2	52.2	52.2	52.2
157.5°	123.1	115.7	108.2	104.5	97.0	85.8	67.2	48.5	33.6	37.3	37.3
160°	85.8	78.3	74.6	70.9	67.2	56.0	44.8	29.8	18.7	18.7	18.7
162.5°	52.2	48.5	48.5	44.8	41.0	37.3	26.1	14.9	7.5	7.5	7.5
165°	26.1	26.1	22.4	22.4	18.7	14.9	11.2	3.7	0.0	0.0	0.0
167.5°	7.5	7.5	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
170°	3.7	3.7	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)