

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: P692016

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692016
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-C01HO-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: 12417 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

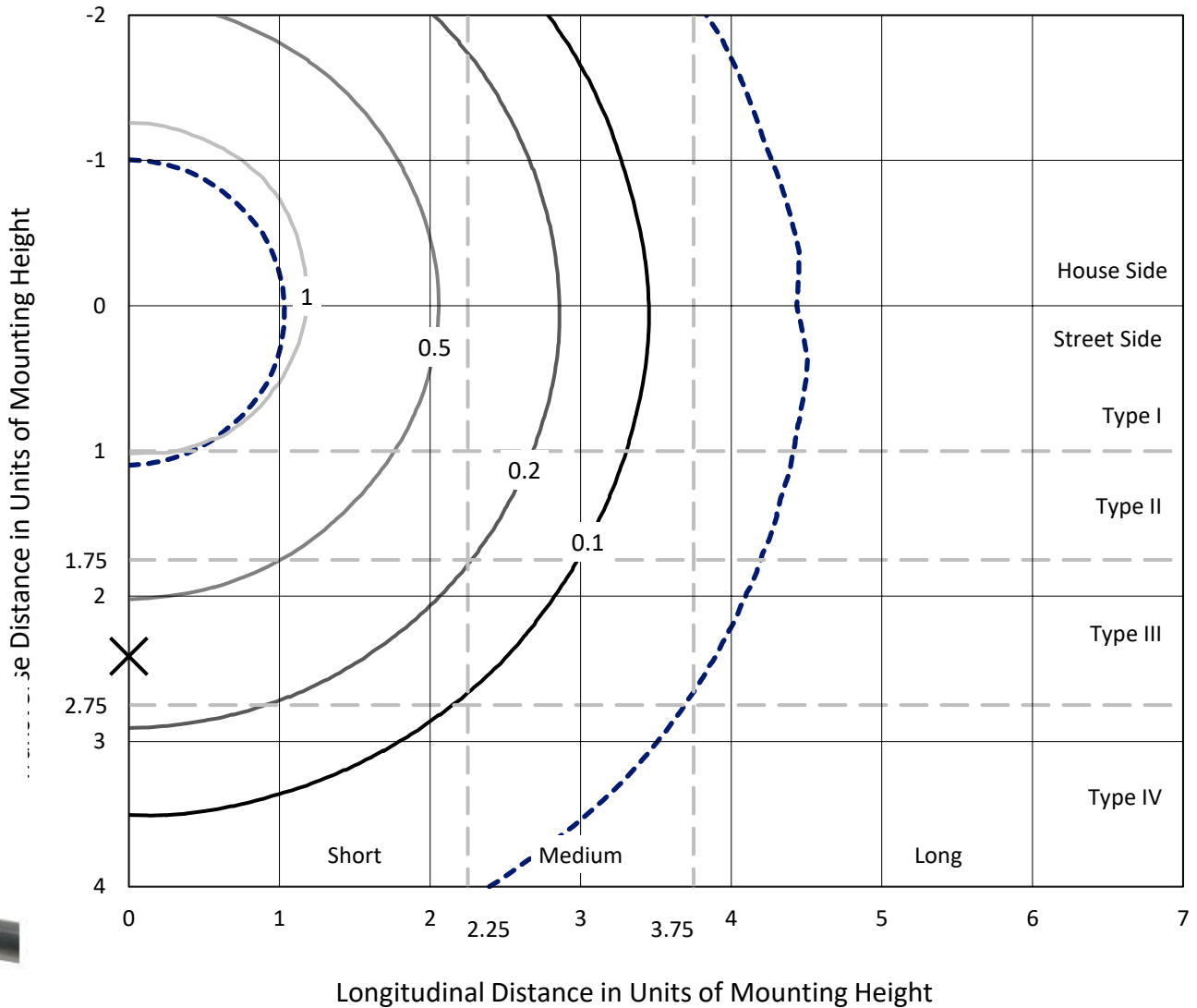
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P692016
 CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050

Iso-Footcandle Lines of Horizontal Illumination

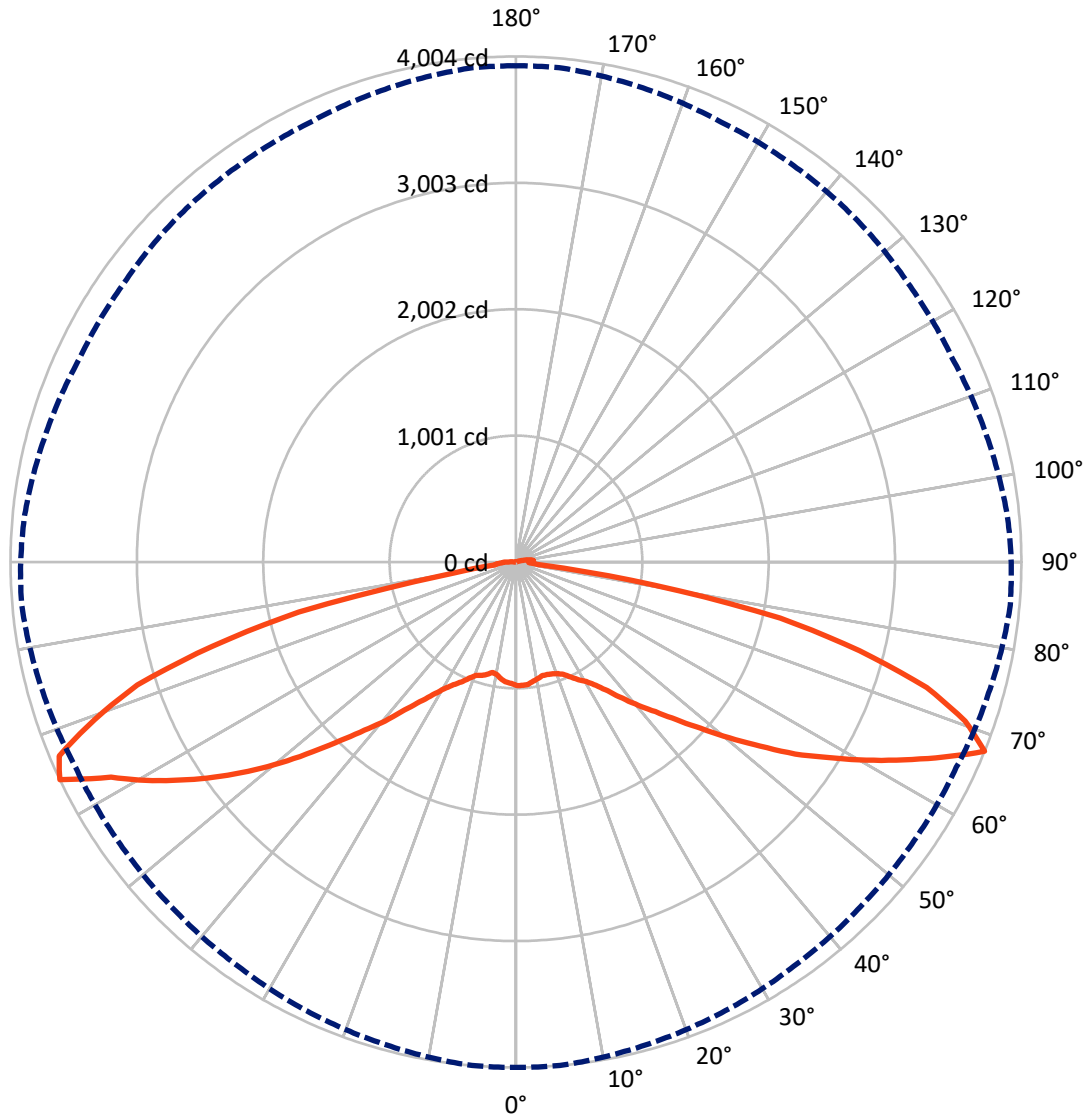
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P692016
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P692016
 CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050

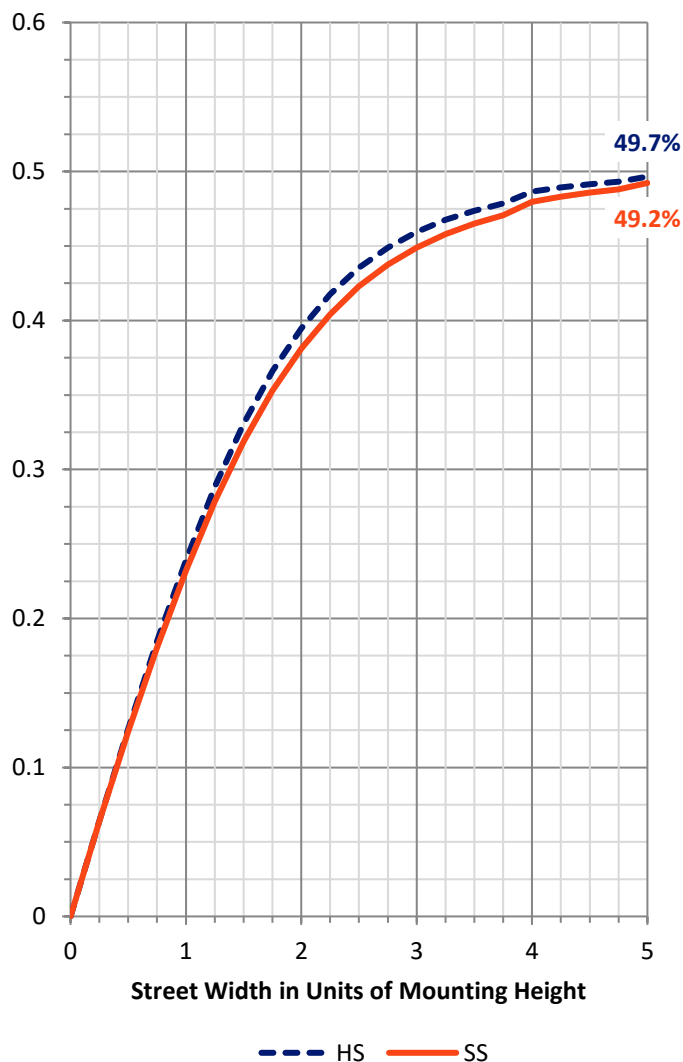
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6147.9	58.3	6206.1
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	6128.4	82.4	6210.8
	% Fixture	49.4	0.7	50.0
Total	Lumens	12276.3	140.7	12417.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	0.7
10°-20°	270.2	2.2
20°-30°	488.4	3.9
30°-40°	842.3	6.8
40°-50°	1494.2	12.0
50°-60°	2543.7	20.5
60°-70°	3644.4	29.4
70°-80°	2649.8	21.3
80°-90°	251.6	2.0
90°-100°	113.5	0.9
100°-110°	27.2	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°	12276.3	98.9
0°-180°	12417.0	100.0

Coefficient of Utilization

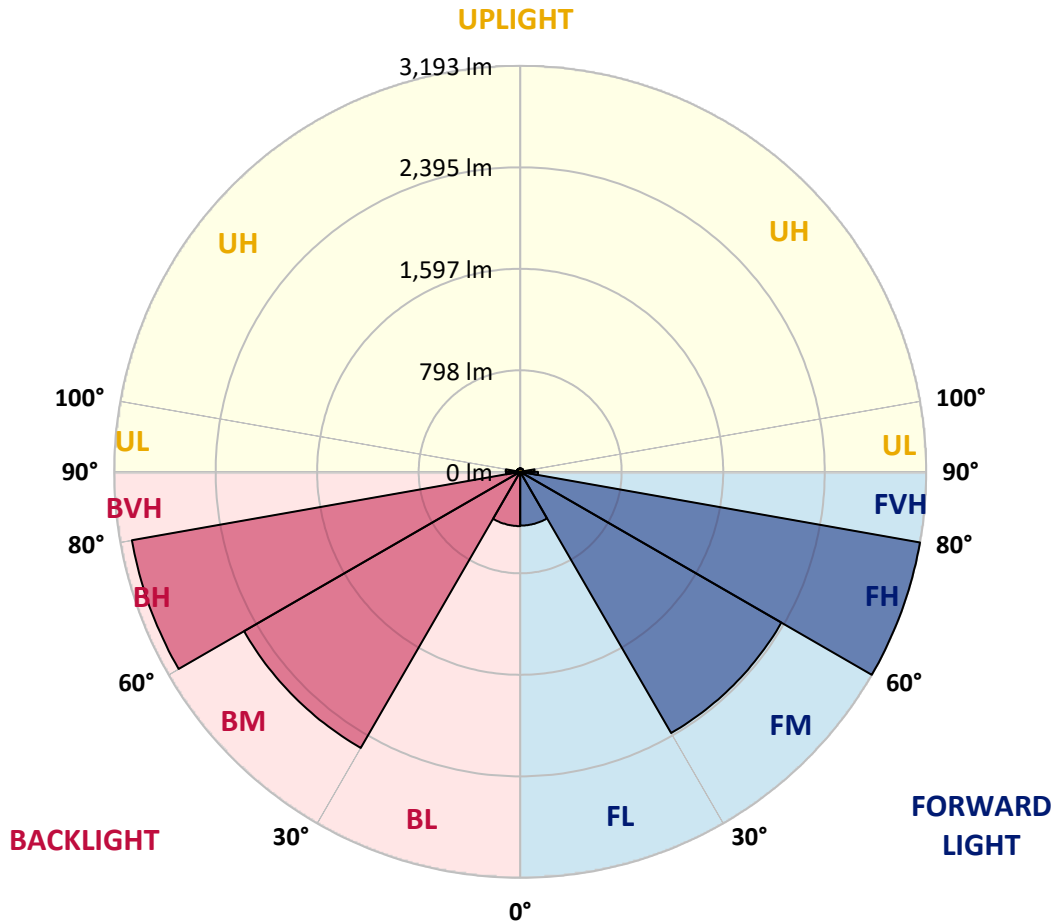


REPORT NUMBER: P692016
 CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.2	3.4			
FM (30°-60°)	2372.2	19.1			
FH (60°-80°)	3193.2	25.7			G2/5000
FVH (80°-90°)	139.7	1.1			G2/225
BL (0°-30°)	427.1	3.4	B1/500		
BM (30°-60°)	2507.9	20.2	B3/5000		
BH (60°-80°)	3101.0	25.0	B4/5000		G2/5000
BVH (80°-90°)	111.8	0.9			G2/225
UL (90°-100°)	113.5	0.9		U3/500	
UH (100°-180°)	27.2	0.2		U2/50	

BUG Rating: B4-U3-G2
 Type V Short





REPORT NUMBER: P692016

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8
2.5°	978.8	978.8	978.8	978.8	978.8	978.8	975.0	967.2	967.2	967.2	967.2
5°	975.0	975.0	975.0	975.0	978.8	978.8	978.8	971.1	971.1	971.1	971.1
7.5°	955.6	955.6	959.5	959.5	963.4	967.2	963.4	963.4	963.4	967.2	967.2
10°	940.2	940.2	944.0	944.0	947.9	947.9	955.6	955.6	959.5	963.4	963.4
12.5°	924.7	924.7	928.5	936.3	940.2	944.0	947.9	951.8	959.5	963.4	963.4
15°	924.7	924.7	924.7	932.4	944.0	951.8	955.6	963.4	971.1	975.0	978.8
17.5°	932.4	932.4	932.4	940.2	947.9	959.5	971.1	975.0	982.7	990.4	990.4
20°	944.0	944.0	947.9	955.6	967.2	975.0	982.7	994.3	1002.1	1009.8	1013.7
22.5°	967.2	971.1	971.1	975.0	986.6	998.2	1005.9	1013.7	1025.3	1033.0	1040.7
25°	1009.8	1005.9	1005.9	1013.7	1021.4	1033.0	1036.9	1044.6	1056.2	1067.8	1071.7
27.5°	1056.2	1052.4	1052.4	1060.1	1067.8	1075.6	1079.4	1091.0	1102.6	1114.3	1118.1
30°	1098.8	1098.8	1102.6	1110.4	1118.1	1129.7	1133.6	1145.2	1152.9	1168.4	1168.4
32.5°	1164.5	1168.4	1172.3	1176.2	1183.9	1195.5	1207.1	1211.0	1218.7	1230.3	1238.1
35°	1253.5	1261.3	1261.3	1265.1	1284.5	1296.1	1288.4	1300.0	1311.6	1327.0	1334.8
37.5°	1369.6	1365.7	1377.3	1392.8	1396.7	1408.3	1404.4	1412.2	1427.6	1447.0	1458.6
40°	1493.4	1497.3	1497.3	1501.1	1512.8	1516.6	1532.1	1543.7	1559.2	1586.3	1594.0
42.5°	1621.1	1628.8	1636.6	1640.4	1659.8	1663.6	1675.2	1690.7	1710.1	1729.4	1737.2
45°	1779.7	1775.8	1795.2	1802.9	1822.3	1845.5	1845.5	1853.2	1884.2	1903.5	1915.1
47.5°	1969.3	1977.0	1988.6	2000.2	2031.2	2035.1	2054.4	2066.0	2085.4	2104.7	2108.6
50°	2189.8	2189.8	2201.4	2224.6	2244.0	2263.3	2274.9	2290.4	2305.9	2336.8	2352.3
52.5°	2422.0	2425.8	2441.3	2464.5	2495.5	2499.3	2510.9	2538.0	2549.6	2557.4	2584.4
55°	2685.0	2673.4	2685.0	2719.9	2754.7	2750.8	2754.7	2785.6	2805.0	2820.5	2828.2
57.5°	2924.9	2924.9	2936.5	2963.6	2971.3	2982.9	2986.8	3013.9	3037.1	3056.5	3060.3
60°	3188.0	3184.1	3191.9	3215.1	3242.2	3242.2	3238.3	3265.4	3288.6	3292.5	3319.5
62.5°	3451.1	3439.5	3447.2	3462.7	3478.2	3462.7	3478.2	3501.4	3520.7	3536.2	3543.9
65°	3725.8	3710.3	3714.2	3698.7	3675.5	3656.1	3691.0	3756.7	3814.8	3845.7	3849.6
67.5°	4004.3	4004.3	3961.8	3923.1	3884.4	3861.2	3849.6	3849.6	3888.3	3930.8	3923.1
70°	3776.1	3783.8	3749.0	3721.9	3660.0	3640.7	3629.1	3590.4	3609.7	3621.3	3594.2
72.5°	3404.7	3362.1	3346.6	3335.0	3288.6	3253.8	3215.1	3188.0	3176.4	3184.1	3153.2
75°	2812.7	2897.8	2851.4	2828.2	2797.2	2781.8	2681.2	2650.2	2646.4	2677.3	2677.3
77.5°	2139.5	2185.9	2155.0	2166.6	2120.2	2112.4	2073.7	2038.9	2011.8	2004.1	1926.7
80°	1110.4	1145.2	1152.9	1191.6	1183.9	1160.7	1133.6	1033.0	1005.9	1021.4	947.9
82.5°	201.2	208.9	212.8	216.7	201.2	208.9	212.8	193.4	205.1	201.2	193.4
85°	116.1	116.1	119.9	119.9	112.2	104.5	112.2	108.3	108.3	116.1	116.1
87.5°	100.6	104.5	108.3	108.3	96.7	89.0	96.7	96.7	100.6	104.5	104.5
90°	104.5	104.5	112.2	112.2	100.6	92.9	104.5	108.3	108.3	108.3	112.2
92.5°	139.3	135.4	139.3	139.3	127.7	119.9	135.4	135.4	135.4	135.4	139.3
95°	135.4	131.5	135.4	131.5	123.8	116.1	127.7	131.5	131.5	131.5	135.4
97.5°	116.1	116.1	116.1	116.1	104.5	100.6	116.1	116.1	112.2	112.2	116.1
100°	89.0	85.1	85.1	85.1	81.2	81.2	89.0	85.1	81.2	85.1	89.0
102.5°	58.0	58.0	58.0	58.0	58.0	58.0	58.0	54.2	54.2	54.2	61.9
105°	34.8	34.8	31.0	31.0	31.0	31.0	31.0	27.1	27.1	27.1	34.8
107.5°	11.6	11.6	7.7	7.7	7.7	7.7	7.7	3.9	3.9	3.9	11.6
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: P692016
 CATALOG NUMBER: CRTK2-C01HO-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: P692016

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8	978.8
2.5°	971.1	971.1	975.0	971.1	971.1	967.2	963.4	959.5	963.4	963.4
5°	971.1	975.0	971.1	967.2	963.4	959.5	959.5	951.8	951.8	955.6
7.5°	967.2	975.0	967.2	963.4	951.8	947.9	944.0	936.3	936.3	936.3
10°	963.4	963.4	959.5	944.0	936.3	924.7	920.8	913.1	909.2	905.3
12.5°	963.4	963.4	951.8	940.2	928.5	913.1	909.2	901.5	897.6	893.7
15°	975.0	978.8	971.1	955.6	936.3	932.4	920.8	916.9	913.1	920.8
17.5°	994.3	990.4	982.7	967.2	955.6	951.8	936.3	936.3	932.4	940.2
20°	1013.7	1005.9	998.2	990.4	975.0	967.2	967.2	955.6	959.5	951.8
22.5°	1036.9	1040.7	1029.1	1017.5	1005.9	1002.1	998.2	998.2	994.3	994.3
25°	1075.6	1075.6	1067.8	1056.2	1048.5	1040.7	1036.9	1040.7	1033.0	1044.6
27.5°	1122.0	1118.1	1118.1	1110.4	1098.8	1094.9	1091.0	1094.9	1091.0	1091.0
30°	1168.4	1176.2	1168.4	1164.5	1156.8	1156.8	1152.9	1152.9	1156.8	1152.9
32.5°	1241.9	1245.8	1245.8	1241.9	1234.2	1230.3	1230.3	1234.2	1241.9	1238.1
35°	1338.7	1342.5	1350.3	1358.0	1358.0	1350.3	1342.5	1338.7	1342.5	1342.5
37.5°	1466.3	1470.2	1477.9	1477.9	1474.1	1470.2	1474.1	1481.8	1466.3	1466.3
40°	1597.9	1594.0	1601.7	1609.5	1613.3	1609.5	1605.6	1613.3	1621.1	1632.7
42.5°	1744.9	1752.6	1756.5	1772.0	1779.7	1779.7	1775.8	1787.4	1791.3	1791.3
45°	1919.0	1938.3	1930.6	1957.7	1980.9	1984.8	1973.2	1980.9	1973.2	1980.9
47.5°	2120.2	2135.7	2151.1	2174.3	2185.9	2193.7	2189.8	2197.6	2205.3	2205.3
50°	2348.4	2360.1	2387.1	2418.1	2437.4	2437.4	2422.0	2437.4	2452.9	2449.0
52.5°	2588.3	2611.5	2638.6	2665.7	2681.2	2685.0	2685.0	2696.6	2692.8	2692.8
55°	2839.8	2859.1	2894.0	2909.4	2928.8	2936.5	2936.5	2940.4	2936.5	2936.5
57.5°	3079.7	3102.9	3130.0	3160.9	3180.3	3188.0	3180.3	3180.3	3180.3	3172.5
60°	3327.3	3342.8	3369.8	3393.1	3404.7	3420.1	3420.1	3416.3	3412.4	3408.5
62.5°	3555.6	3563.3	3571.0	3574.9	3586.5	3617.5	3617.5	3636.8	3636.8	3632.9
65°	3853.5	3818.6	3787.7	3795.4	3822.5	3849.6	3872.8	3950.2	3988.9	4004.3
67.5°	3911.5	3861.2	3814.8	3810.9	3826.4	3834.1	3845.7	3888.3	3930.8	3930.8
70°	3571.0	3540.1	3497.5	3516.9	3528.5	3516.9	3532.3	3559.4	3598.1	3563.3
72.5°	3130.0	3079.7	3110.6	3130.0	3110.6	3095.1	3102.9	3099.0	3126.1	3153.2
75°	2642.5	2538.0	2538.0	2538.0	2545.8	2510.9	2510.9	2514.8	2565.1	2495.5
77.5°	1957.7	1884.2	1864.8	1787.4	1779.7	1733.3	1764.2	1744.9	1791.3	1764.2
80°	913.1	882.1	870.5	793.1	777.7	653.9	700.3	622.9	646.1	580.3
82.5°	189.6	185.7	181.8	162.5	147.0	127.7	150.9	170.2	174.1	170.2
85°	119.9	123.8	123.8	116.1	108.3	96.7	116.1	143.2	150.9	150.9
87.5°	104.5	108.3	108.3	104.5	96.7	85.1	96.7	108.3	112.2	108.3
90°	112.2	116.1	112.2	108.3	100.6	89.0	100.6	104.5	85.1	89.0
92.5°	135.4	135.4	131.5	131.5	127.7	112.2	123.8	100.6	38.7	11.6
95°	131.5	127.7	127.7	123.8	119.9	100.6	100.6	27.1	0.0	0.0
97.5°	112.2	104.5	104.5	100.6	100.6	85.1	61.9	0.0	0.0	0.0
100°	85.1	73.5	73.5	69.6	69.6	58.0	23.2	0.0	0.0	0.0
102.5°	58.0	46.4	42.6	38.7	38.7	34.8	3.9	0.0	0.0	0.0
105°	31.0	19.3	15.5	11.6	11.6	7.7	0.0	0.0	0.0	0.0
107.5°	11.6	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: P692016
 CATALOG NUMBER: CRTK2-C01HO-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)