

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: P691495

Luminaire Tested: **CRTK2-C016-D-U-T2-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-D-U-T2-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5964 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

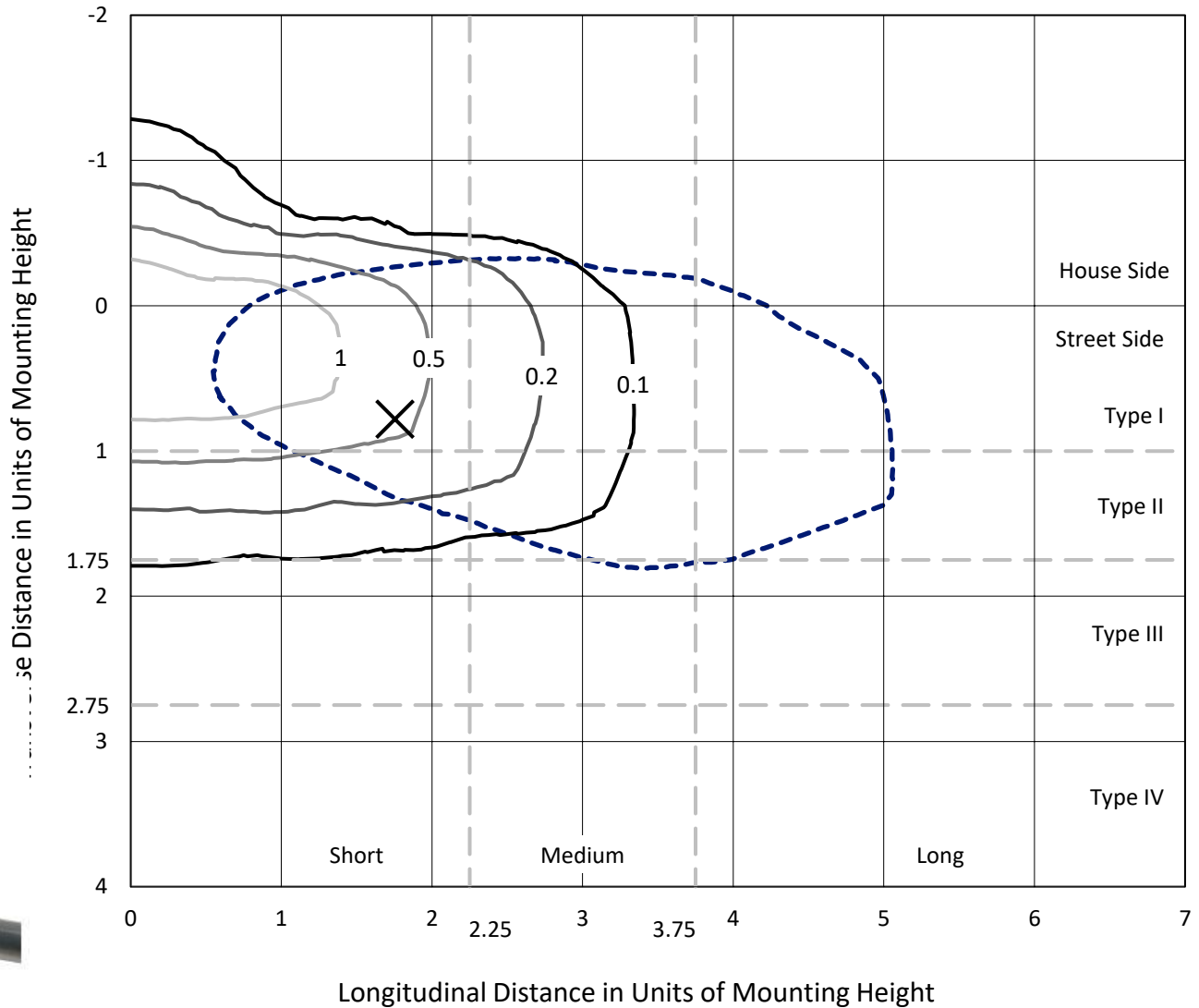
Input Watts (W): 41.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P691495  
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

### Iso-Footcandle Lines of Horizontal Illumination

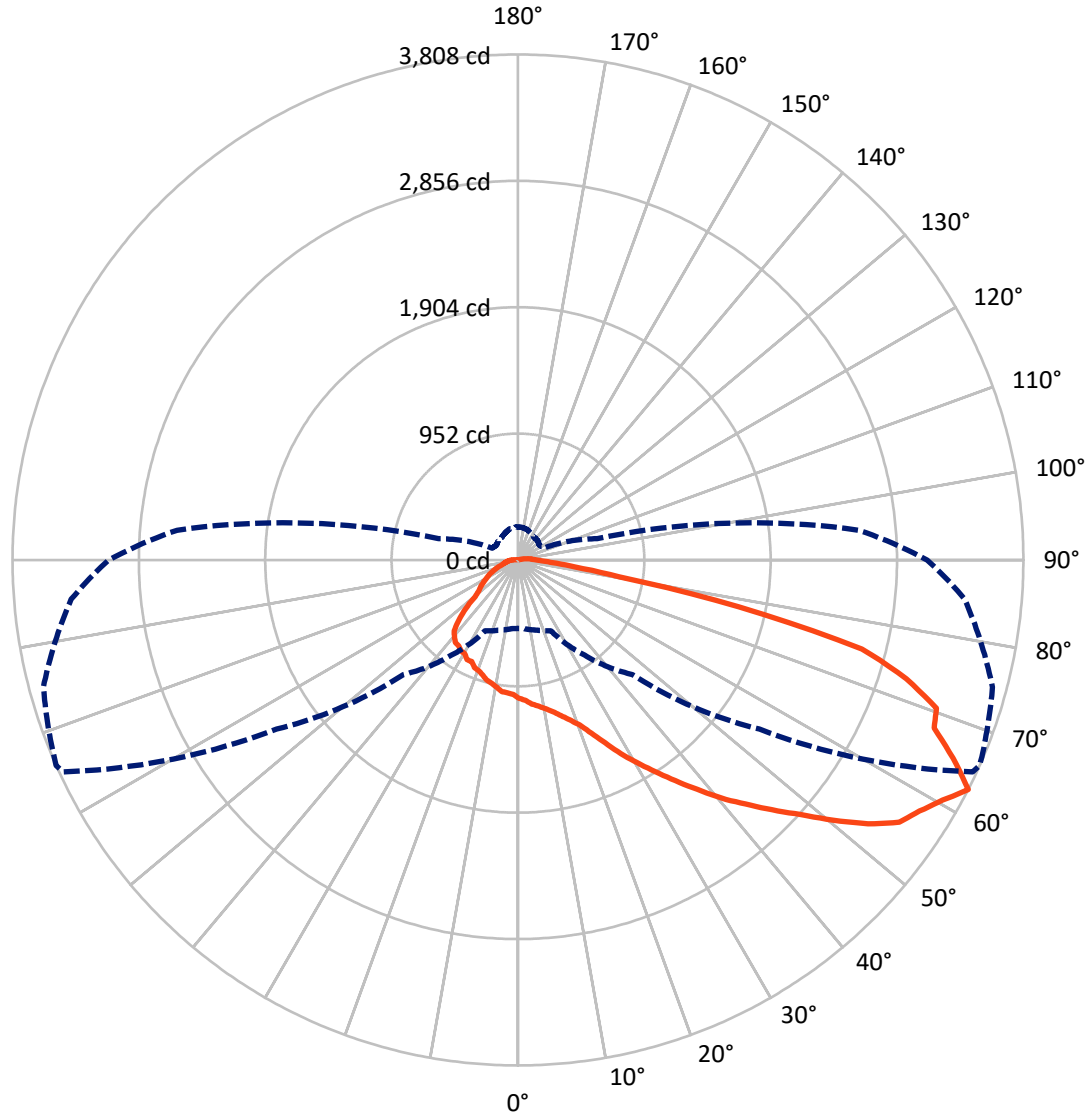
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P691495  
CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P691495  
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

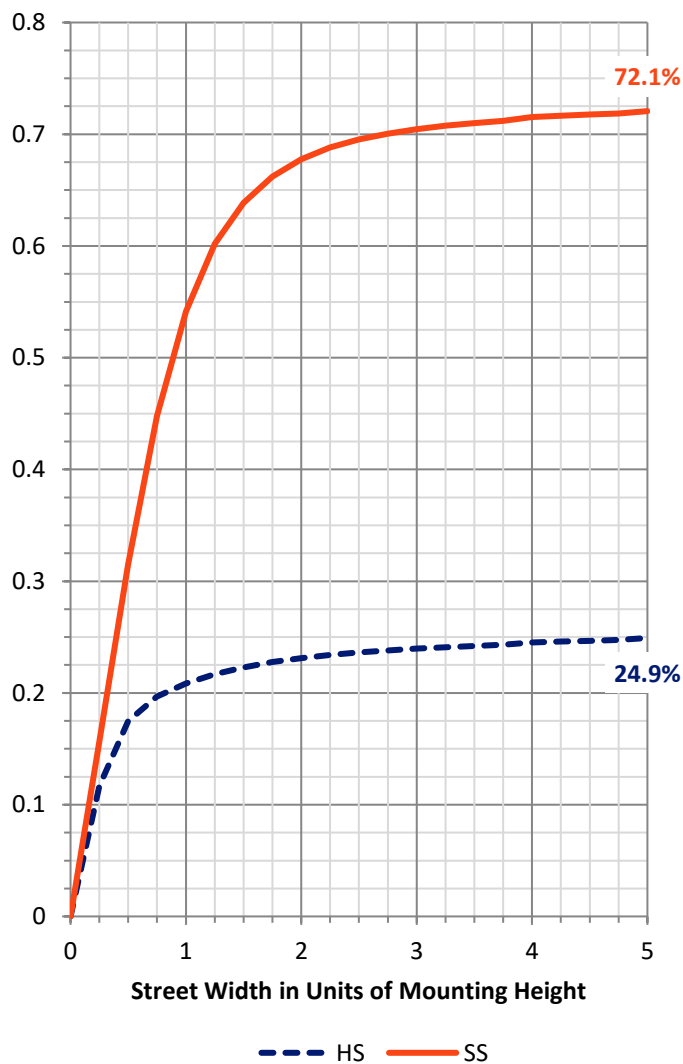
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1552.4	42.9	1595.3
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	4326.3	42.5	4368.7
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	5878.7	85.4	5964.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.2	1.7
10°-20°	299.9	5.0
20°-30°	507.4	8.5
30°-40°	742.4	12.4
40°-50°	970.3	16.3
50°-60°	1129.1	18.9
60°-70°	1129.6	18.9
70°-80°	779.4	13.1
80°-90°	220.3	3.7
90°-100°	72.6	1.2
100°-110°	9.9	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5878.7	98.6
0°-180°	5964.0	100.0

**Coefficient of Utilization**

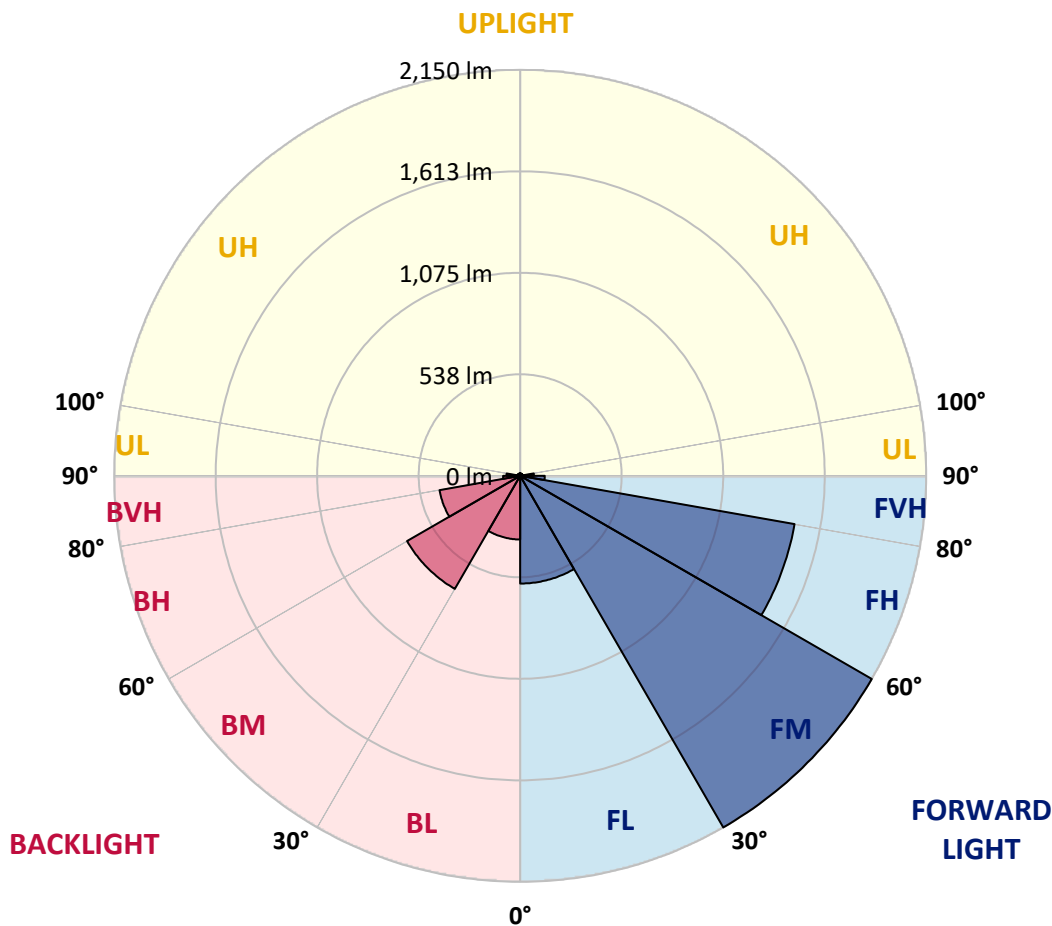


REPORT NUMBER: P691495  
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.5	9.6			
FM (30°-60°)	2150.2	36.1			
FH (60°-80°)	1475.5	24.7			G1/1800
FVH (80°-90°)	130.1	2.2			G2/225
BL (0°-30°)	336.9	5.6	B1/500		
BM (30°-60°)	691.7	11.6	B1/1000		
BH (60°-80°)	433.6	7.3	B1/500		G1/500
BVH (80°-90°)	90.2	1.5			G1/100
UL (90°-100°)	72.6	1.2		U3/500	
UH (100°-180°)	12.8	0.2		U2/50	

**BUG Rating: B1-U3-G2**  
 Type II Short





REPORT NUMBER: P691495

CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0
2.5°	1095.5	1093.5	1093.5	1083.6	1073.7	1071.7	1065.8	1057.9	1057.9	1051.9	1042.0
5°	1160.9	1158.9	1160.9	1147.0	1133.1	1121.3	1101.4	1091.5	1089.6	1075.7	1055.9
7.5°	1206.4	1204.5	1202.5	1190.6	1184.7	1172.8	1145.0	1115.3	1111.4	1097.5	1071.7
10°	1224.3	1226.3	1236.2	1216.3	1204.5	1194.6	1178.7	1143.0	1139.1	1107.4	1067.8
12.5°	1271.8	1273.8	1267.9	1244.1	1240.1	1232.2	1206.4	1176.7	1172.8	1133.1	1077.7
15°	1321.3	1321.3	1313.4	1299.6	1289.6	1281.7	1250.0	1218.3	1216.3	1168.8	1103.4
17.5°	1343.1	1347.1	1349.1	1331.2	1327.3	1325.3	1309.5	1269.8	1265.9	1220.3	1139.1
20°	1357.0	1359.0	1361.0	1359.0	1361.0	1359.0	1366.9	1335.2	1325.3	1277.8	1178.7
22.5°	1384.7	1388.7	1402.6	1402.6	1408.5	1422.4	1416.4	1420.4	1416.4	1359.0	1246.1
25°	1398.6	1404.5	1422.4	1444.2	1469.9	1485.8	1507.6	1523.4	1525.4	1473.9	1349.1
27.5°	1376.8	1390.7	1436.2	1469.9	1529.3	1571.0	1622.5	1648.2	1652.2	1602.6	1460.0
30°	1404.5	1404.5	1432.3	1479.8	1553.1	1650.2	1729.4	1769.1	1773.0	1735.4	1571.0
32.5°	1353.0	1364.9	1428.3	1519.4	1624.4	1735.4	1812.6	1889.9	1899.8	1887.9	1729.4
35°	1347.1	1353.0	1392.7	1487.7	1628.4	1814.6	1921.6	2022.6	2042.4	2046.4	1882.0
37.5°	1291.6	1299.6	1372.8	1491.7	1683.9	1870.1	2006.8	2173.2	2191.0	2218.7	2014.7
40°	1222.3	1234.2	1293.6	1426.3	1668.0	1935.5	2097.9	2331.7	2357.4	2391.1	2189.0
42.5°	1131.2	1153.0	1254.0	1396.6	1660.1	1957.2	2185.1	2490.1	2513.9	2549.6	2335.6
45°	1053.9	1059.8	1141.1	1289.6	1596.7	1987.0	2266.3	2668.4	2684.3	2702.1	2454.5
47.5°	984.6	996.5	1065.8	1204.5	1529.3	1981.0	2337.6	2836.8	2864.6	2918.0	2599.1
50°	778.5	806.3	1002.4	1131.2	1426.3	1963.2	2397.0	3034.9	3080.5	3100.3	2763.5
52.5°	673.5	681.5	780.5	1059.8	1311.4	1903.8	2448.5	3250.9	3302.4	3256.8	2961.6
55°	622.0	630.0	675.5	915.2	1222.3	1782.9	2488.2	3454.9	3486.6	3379.6	3108.2
57.5°	594.3	600.2	624.0	740.9	1113.3	1590.8	2492.1	3555.9	3567.8	3476.7	3183.5
60°	546.8	552.7	594.3	645.8	992.5	1386.7	2422.8	3613.4	3674.8	3595.6	3328.1
62.5°	515.1	519.0	546.8	588.4	875.6	1220.3	2220.7	3777.8	3807.5	3700.5	3377.6
65°	475.4	479.4	505.2	542.8	800.3	1127.2	2133.6	3710.5	3601.5	3674.8	3443.0
67.5°	429.9	435.8	459.6	491.3	675.5	1036.1	1882.0	3458.9	3381.6	3544.0	3272.6
70°	388.3	392.2	418.0	435.8	554.7	917.2	1563.0	3262.7	3344.0	3342.0	3118.1
72.5°	342.7	346.7	368.5	384.3	463.6	776.6	1240.1	3036.9	3060.7	2975.5	2759.6
75°	295.2	297.2	317.0	332.8	380.4	622.0	905.3	2511.9	2676.4	2844.7	2387.1
77.5°	237.7	243.7	259.5	267.4	305.1	497.2	590.3	1487.7	1699.7	2502.0	2133.6
80°	178.3	178.3	190.2	194.1	225.8	370.5	372.4	717.1	770.6	1590.8	1584.8
82.5°	112.9	118.9	130.7	128.8	152.5	212.0	235.7	398.2	427.9	630.0	703.3
85°	91.1	93.1	101.0	95.1	101.0	114.9	132.7	251.6	261.5	384.3	382.3
87.5°	75.3	77.3	83.2	79.2	81.2	87.2	103.0	168.4	172.3	247.6	255.6
90°	57.4	59.4	67.4	65.4	63.4	71.3	85.2	128.8	134.7	196.1	210.0
92.5°	37.6	37.6	43.6	43.6	43.6	51.5	75.3	99.1	103.0	178.3	188.2
95°	27.7	27.7	29.7	31.7	29.7	37.6	55.5	89.1	97.1	166.4	162.4
97.5°	17.8	17.8	19.8	21.8	19.8	23.8	31.7	63.4	71.3	128.8	126.8
100°	11.9	11.9	11.9	11.9	11.9	11.9	17.8	41.6	47.5	81.2	79.2
102.5°	7.9	7.9	7.9	7.9	5.9	5.9	7.9	19.8	21.8	43.6	41.6
105°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	7.9	9.9	17.8	17.8
107.5°	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
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: P691495  
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
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	2.0
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	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	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	2.0	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: P691495

CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0	1042.0
2.5°	1038.1	1032.1	1022.2	1012.3	1006.4	1000.4	990.5	982.6	982.6	992.5	992.5
5°	1042.0	1030.1	1010.3	1002.4	992.5	978.6	962.8	950.9	944.9	952.9	954.9
7.5°	1051.9	1034.1	1014.3	996.5	962.8	937.0	923.2	907.3	905.3	913.3	917.2
10°	1044.0	1026.2	1002.4	968.7	933.1	913.3	887.5	867.7	867.7	861.7	865.7
12.5°	1051.9	1028.2	980.6	944.9	913.3	869.7	838.0	818.2	816.2	822.1	822.1
15°	1071.7	1036.1	974.7	931.1	879.6	836.0	804.3	782.5	788.4	776.6	778.5
17.5°	1095.5	1042.0	974.7	899.4	841.9	800.3	756.8	731.0	733.0	735.0	736.9
20°	1125.2	1057.9	964.8	875.6	806.3	746.8	697.3	677.5	671.6	675.5	677.5
22.5°	1170.8	1093.5	960.8	863.7	756.8	699.3	655.7	616.1	612.1	612.1	612.1
25°	1246.1	1147.0	978.6	824.1	731.0	643.8	594.3	556.7	538.8	540.8	542.8
27.5°	1361.0	1232.2	996.5	826.1	671.6	594.3	532.9	491.3	481.4	483.4	485.4
30°	1481.8	1347.1	1042.0	786.5	637.9	519.0	455.6	425.9	414.0	408.1	410.1
32.5°	1574.9	1448.1	1105.4	774.6	576.5	437.8	398.2	374.4	358.6	352.6	352.6
35°	1723.5	1547.2	1156.9	744.9	513.1	386.3	354.6	328.8	320.9	317.0	317.0
37.5°	1850.3	1656.1	1210.4	733.0	435.8	346.7	307.1	291.2	291.2	287.2	285.3
40°	1987.0	1771.0	1240.1	697.3	376.4	305.1	265.5	263.5	269.4	269.4	269.4
42.5°	2151.4	1889.9	1271.8	655.7	330.8	257.5	235.7	251.6	265.5	269.4	269.4
45°	2274.2	1965.2	1285.7	566.6	285.3	223.9	231.8	247.6	265.5	271.4	269.4
47.5°	2379.2	2074.1	1265.9	457.6	245.6	217.9	227.8	241.7	263.5	271.4	271.4
50°	2484.2	2167.2	1252.0	330.8	229.8	217.9	227.8	233.8	257.5	267.4	267.4
52.5°	2638.7	2240.5	1196.5	277.3	217.9	219.9	231.8	231.8	253.6	265.5	271.4
55°	2836.8	2408.9	1091.5	259.5	214.0	217.9	233.8	233.8	249.6	261.5	265.5
57.5°	2918.0	2468.4	911.3	243.7	210.0	217.9	227.8	231.8	251.6	259.5	257.5
60°	3025.0	2565.4	746.8	227.8	202.1	214.0	219.9	233.8	249.6	251.6	249.6
62.5°	3082.5	2577.3	618.1	212.0	196.1	208.0	210.0	225.8	241.7	247.6	249.6
65°	3114.2	2565.4	457.6	196.1	190.2	200.1	202.1	215.9	231.8	235.7	237.7
67.5°	2999.3	2484.2	317.0	180.3	184.2	190.2	194.1	208.0	219.9	231.8	235.7
70°	2793.2	2248.5	225.8	160.5	174.3	180.3	188.2	202.1	214.0	229.8	233.8
72.5°	2565.4	1810.7	166.4	136.7	160.5	168.4	182.3	192.2	210.0	229.8	235.7
75°	2351.5	1588.8	132.7	116.9	136.7	154.5	172.3	186.2	212.0	281.3	291.2
77.5°	1668.0	1073.7	118.9	103.0	116.9	134.7	158.5	182.3	295.2	334.8	336.8
80°	1210.4	631.9	107.0	91.1	101.0	109.0	144.6	223.9	326.9	309.0	309.0
82.5°	606.2	338.8	101.0	81.2	87.2	89.1	128.8	285.3	263.5	275.4	277.3
85°	293.2	164.4	83.2	71.3	75.3	73.3	120.8	271.4	249.6	251.6	247.6
87.5°	184.2	101.0	65.4	59.4	61.4	59.4	114.9	259.5	261.5	214.0	217.9
90°	166.4	118.9	51.5	47.5	41.6	49.5	103.0	241.7	255.6	154.5	128.8
92.5°	160.5	128.8	37.6	33.7	29.7	39.6	77.3	196.1	156.5	65.4	39.6
95°	142.6	112.9	31.7	23.8	27.7	33.7	49.5	130.7	105.0	0.0	0.0
97.5°	107.0	83.2	25.8	15.8	89.1	29.7	27.7	85.2	29.7	0.0	0.0
100°	67.4	51.5	19.8	11.9	101.0	19.8	17.8	49.5	0.0	0.0	0.0
102.5°	37.6	27.7	9.9	7.9	43.6	9.9	11.9	11.9	0.0	0.0	0.0
105°	15.8	13.9	4.0	4.0	4.0	2.0	5.9	0.0	0.0	0.0	0.0
107.5°	4.0	5.9	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691495  
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.0	2.0	2.0	2.0	2.0	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)