

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: P691612

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7459 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

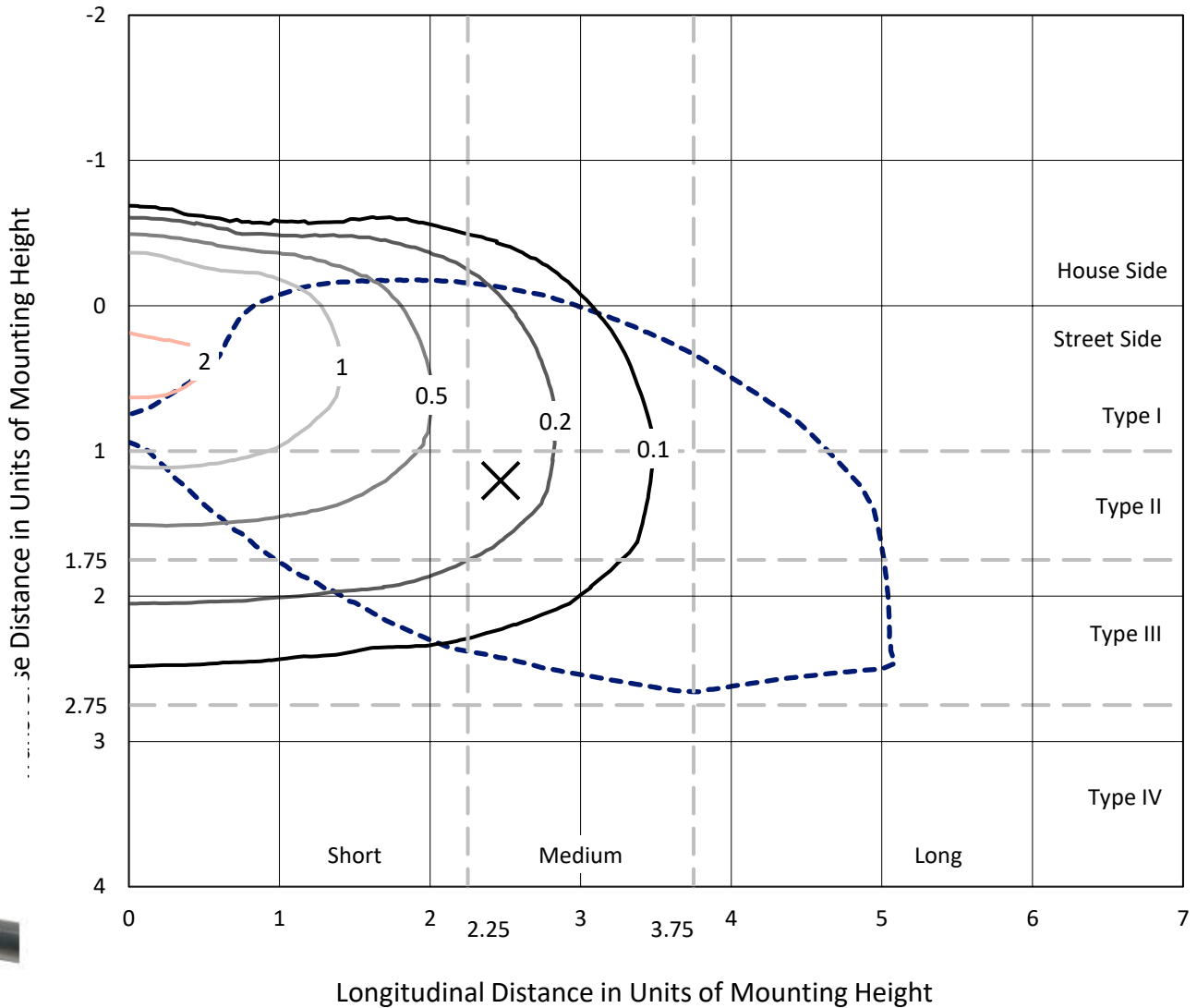
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691612
 CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

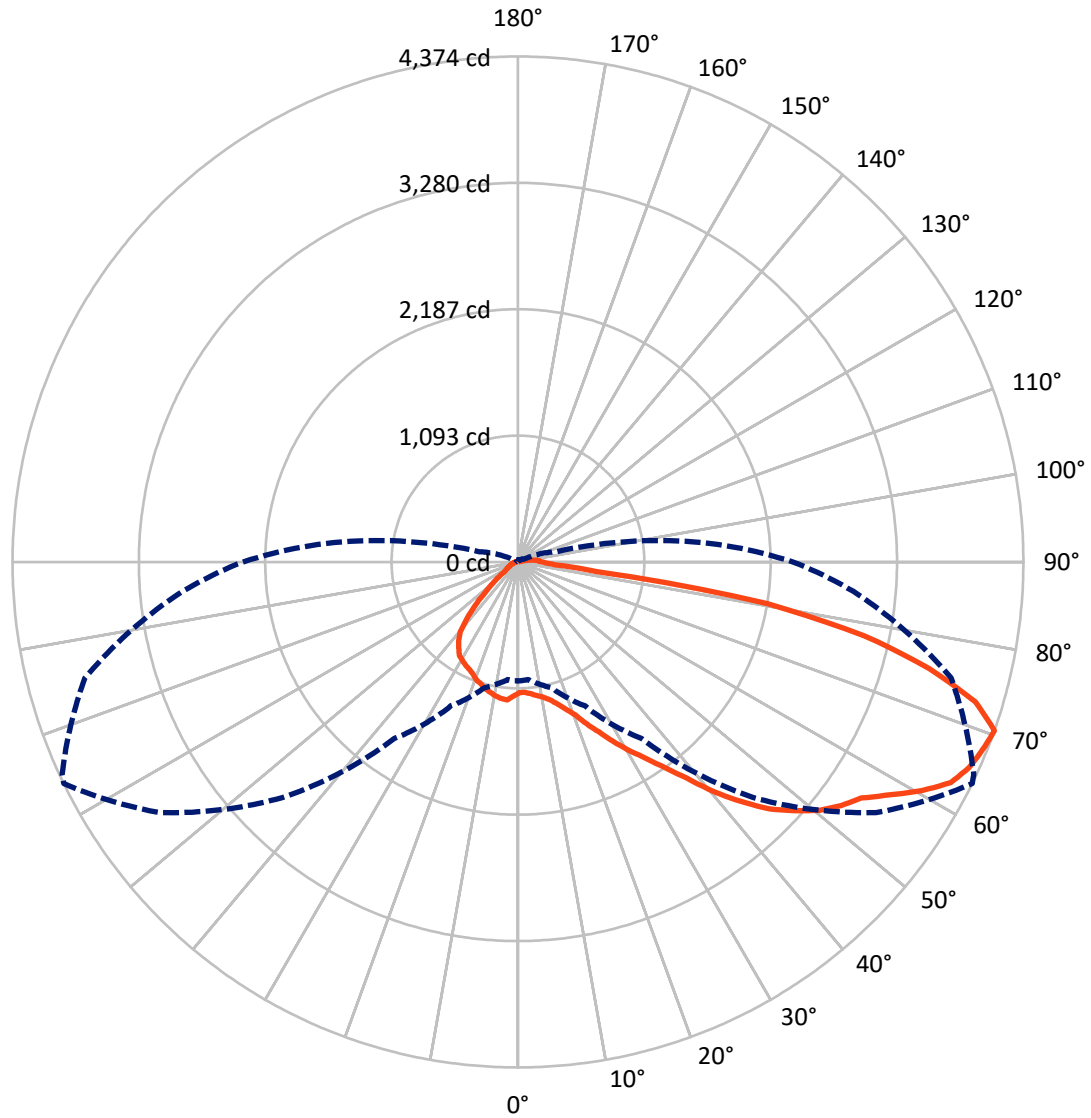
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P691612
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P691612

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

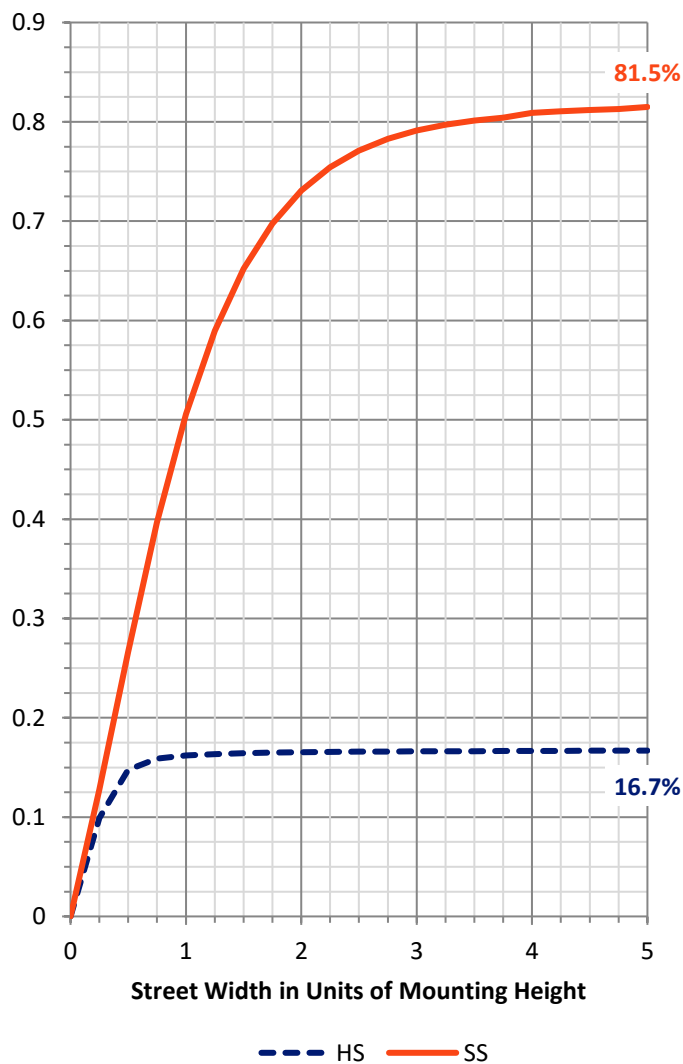
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.0	15.4	1280.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6115.7	62.9	6178.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	7380.7	78.3	7459.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	1.5
10°-20°	343.8	4.6
20°-30°	594.3	8.0
30°-40°	881.8	11.8
40°-50°	1211.3	16.2
50°-60°	1471.0	19.7
60°-70°	1562.8	21.0
70°-80°	1032.5	13.8
80°-90°	171.0	2.3
90°-100°	63.7	0.9
100°-110°	10.7	0.1
110°-120°	0.8	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7380.7	98.9
0°-180°	7459.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691612

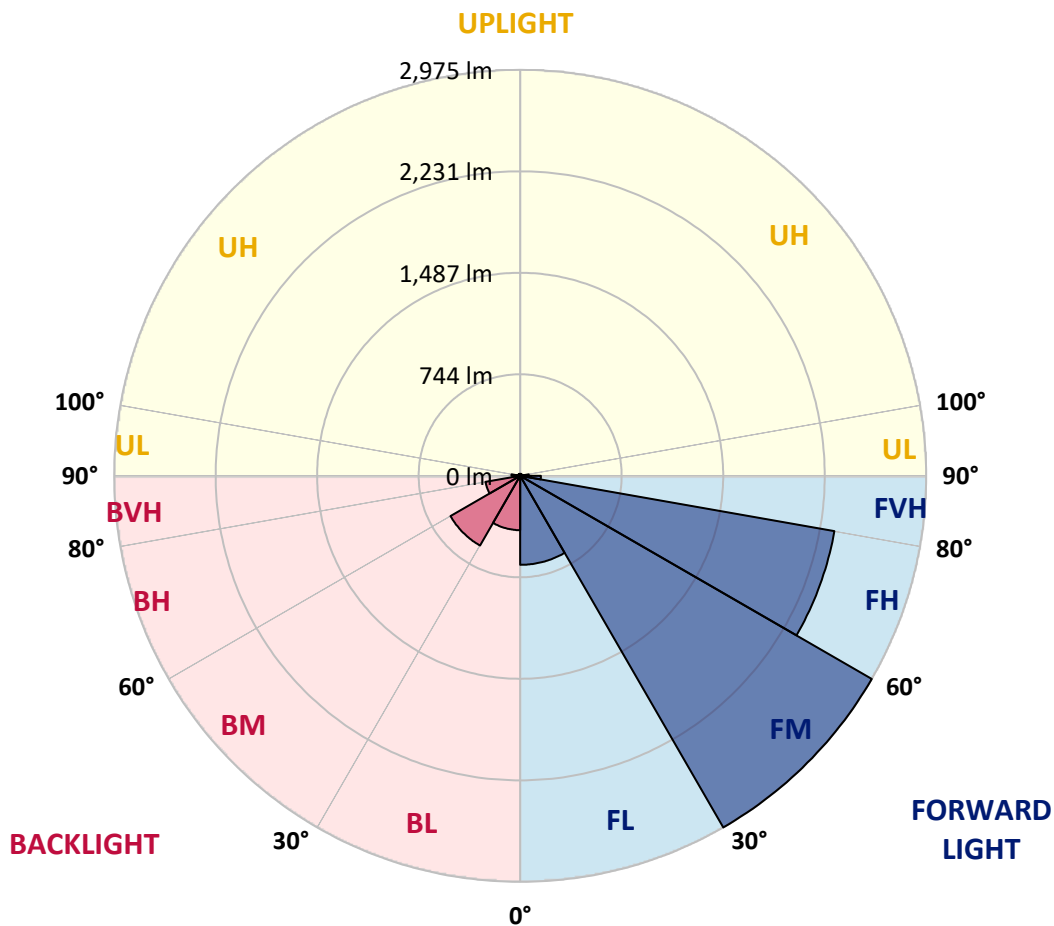
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.0	8.7			
FM (30°-60°)	2974.5	39.9			
FH (60°-80°)	2337.4	31.3			G2/5000
FVH (80°-90°)	151.8	2.0			G2/225
BL (0°-30°)	398.2	5.3	B1/500		
BM (30°-60°)	589.7	7.9	B1/1000		
BH (60°-80°)	257.9	3.5	B1/500		G1/500
BVH (80°-90°)	19.2	0.3			G1/100
UL (90°-100°)	63.7	0.9		U3/500	
UH (100°-180°)	14.6	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





REPORT NUMBER: P691612

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5
2.5°	1139.5	1136.8	1139.5	1136.8	1134.2	1131.5	1128.8	1128.8	1126.2	1128.8	1131.5
5°	1190.2	1192.9	1187.5	1176.9	1163.5	1152.8	1147.5	1144.8	1144.8	1147.5	1158.2
7.5°	1227.6	1224.9	1222.2	1219.6	1208.9	1184.9	1171.5	1166.2	1166.2	1160.8	1179.5
10°	1294.3	1288.9	1275.6	1259.6	1248.9	1222.2	1198.2	1190.2	1187.5	1190.2	1206.2
12.5°	1366.3	1361.0	1358.3	1342.3	1305.0	1280.9	1240.9	1222.2	1222.2	1222.2	1230.2
15°	1470.4	1462.4	1435.7	1417.0	1385.0	1345.0	1299.6	1272.9	1272.9	1278.3	1256.9
17.5°	1545.1	1539.8	1537.1	1505.1	1478.4	1417.0	1382.3	1337.0	1337.0	1347.6	1302.3
20°	1622.5	1617.2	1619.8	1614.5	1574.5	1526.4	1465.1	1411.7	1411.7	1414.4	1350.3
22.5°	1726.6	1718.6	1718.6	1715.9	1694.6	1638.5	1566.5	1521.1	1513.1	1491.8	1411.7
25°	1830.7	1828.0	1822.7	1825.3	1820.0	1755.9	1678.6	1627.9	1627.9	1598.5	1494.4
27.5°	1934.7	1934.7	1932.1	1934.7	1932.1	1892.0	1814.7	1761.3	1764.0	1726.6	1585.2
30°	2009.5	2006.8	2025.5	2033.5	2038.8	2022.8	1948.1	1889.4	1894.7	1857.4	1691.9
32.5°	2078.8	2076.2	2108.2	2126.9	2132.2	2129.6	2068.2	2020.1	2033.5	1998.8	1820.0
35°	2142.9	2140.2	2182.9	2231.0	2252.3	2247.0	2206.9	2180.3	2193.6	2190.9	1993.5
37.5°	2190.9	2198.9	2255.0	2321.7	2359.1	2361.7	2343.0	2372.4	2388.4	2441.8	2209.6
40°	2247.0	2247.0	2300.3	2372.4	2439.1	2465.8	2481.8	2615.2	2631.3	2641.9	2353.7
42.5°	2188.3	2204.3	2319.0	2425.8	2511.2	2572.5	2660.6	2834.1	2868.8	2788.7	2529.8
45°	2142.9	2156.2	2273.7	2452.5	2575.2	2690.0	2855.4	3047.6	3074.2	2935.5	2623.2
47.5°	2094.9	2116.2	2236.3	2433.8	2636.6	2834.1	3018.2	3215.7	3239.7	3060.9	2754.0
50°	2038.8	2062.8	2190.9	2407.1	2668.6	2970.2	3165.0	3378.5	3381.1	3170.3	2826.1
52.5°	1985.4	2001.5	2134.9	2372.4	2695.3	3074.2	3303.7	3501.2	3485.2	3309.1	2903.5
55°	1894.7	1926.7	2068.2	2324.4	2708.6	3133.0	3399.8	3605.3	3616.0	3458.5	3007.5
57.5°	1812.0	1833.3	1982.8	2255.0	2698.0	3167.6	3493.2	3800.1	3821.5	3592.0	3082.2
60°	1707.9	1721.3	1865.4	2158.9	2628.6	3226.4	3701.4	4016.3	4040.3	3720.0	3111.6
62.5°	1577.2	1577.2	1721.3	2030.8	2540.5	3269.1	3845.5	4203.1	4203.1	3821.5	3122.3
65°	1409.0	1417.0	1545.1	1857.4	2393.7	3245.0	3888.2	4291.1	4299.1	3893.5	3116.9
67.5°	1246.2	1243.6	1355.7	1630.5	2172.3	3119.6	3856.1	4336.5	4368.5	3936.2	3047.6
70°	1030.1	1022.1	1126.2	1374.3	1862.7	2882.1	3781.4	4373.9	4352.5	3880.2	2911.5
72.5°	792.6	784.6	862.0	1051.4	1467.7	2473.8	3562.6	4139.0	4101.7	3575.9	2631.3
75°	563.1	552.4	613.8	739.2	966.0	1809.3	3055.6	3672.0	3629.3	3215.7	2196.3
77.5°	320.2	309.6	365.6	467.0	584.4	1024.7	2313.7	3060.9	3119.6	2652.6	1678.6
80°	141.4	136.1	160.1	224.2	328.2	488.4	1259.6	2188.3	2108.2	1809.3	955.4
82.5°	120.1	120.1	122.8	128.1	133.4	224.2	472.3	688.5	659.1	531.1	304.2
85°	104.1	101.4	106.7	112.1	114.8	146.8	274.9	330.9	325.6	293.5	210.8
87.5°	85.4	80.1	88.1	93.4	93.4	120.1	205.5	242.8	242.8	245.5	186.8
90°	74.7	74.7	69.4	69.4	72.1	85.4	157.4	200.1	205.5	253.5	216.2
92.5°	64.0	64.0	64.0	64.0	53.4	61.4	112.1	178.8	192.1	248.2	194.8
95°	61.4	58.7	61.4	56.0	53.4	56.0	85.4	157.4	173.5	218.8	170.8
97.5°	42.7	40.0	45.4	45.4	48.0	50.7	72.1	117.4	122.8	162.8	128.1
100°	29.4	26.7	26.7	26.7	34.7	34.7	58.7	72.1	74.7	104.1	85.4
102.5°	16.0	13.3	13.3	13.3	18.7	21.3	29.4	40.0	40.0	56.0	48.0
105°	5.3	5.3	8.0	8.0	8.0	10.7	10.7	13.3	13.3	16.0	21.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7



REPORT NUMBER: P691612
 CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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: P691612

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5	1131.5
2.5°	1134.2	1139.5	1152.8	1160.8	1171.5	1182.2	1190.2	1190.2	1198.2	1192.9	1190.2
5°	1168.9	1171.5	1187.5	1198.2	1195.5	1184.9	1176.9	1171.5	1174.2	1179.5	1179.5
7.5°	1192.9	1203.5	1190.2	1190.2	1187.5	1174.2	1158.2	1142.2	1134.2	1131.5	1131.5
10°	1206.2	1195.5	1190.2	1176.9	1147.5	1139.5	1126.2	1096.8	1088.8	1088.8	1078.1
12.5°	1214.2	1208.9	1179.5	1155.5	1128.8	1086.1	1056.8	1051.4	1027.4	1024.7	1027.4
15°	1246.2	1219.6	1182.2	1136.8	1086.1	1048.8	1008.7	966.0	947.4	950.0	952.7
17.5°	1267.6	1243.6	1176.9	1104.8	1059.4	990.1	944.7	920.7	891.3	891.3	891.3
20°	1302.3	1262.3	1168.9	1091.5	984.7	934.0	880.6	854.0	824.6	773.9	768.6
22.5°	1347.6	1296.9	1166.2	1051.4	955.4	872.6	795.2	712.5	669.8	640.5	632.5
25°	1403.7	1345.0	1184.9	1032.8	899.3	797.9	699.2	587.1	507.0	491.0	491.0
27.5°	1499.8	1406.4	1208.9	1014.1	867.3	715.2	560.4	461.7	392.3	370.9	368.3
30°	1593.2	1483.7	1216.9	995.4	805.9	603.1	432.3	328.2	266.9	240.2	234.8
32.5°	1739.9	1590.5	1286.3	979.4	736.5	485.7	306.9	208.2	157.4	141.4	138.8
35°	1889.4	1734.6	1310.3	936.7	611.1	354.9	176.1	112.1	85.4	72.1	69.4
37.5°	2081.5	1916.1	1382.3	891.3	485.7	202.8	98.7	61.4	53.4	53.4	53.4
40°	2193.6	1996.1	1446.4	832.6	333.6	104.1	58.7	48.0	48.0	45.4	45.4
42.5°	2337.7	2094.9	1502.4	717.9	176.1	64.0	50.7	45.4	40.0	40.0	40.0
45°	2420.4	2158.9	1483.7	576.4	82.7	58.7	48.0	40.0	37.4	37.4	37.4
47.5°	2521.8	2239.0	1443.7	427.0	72.1	53.4	45.4	37.4	34.7	37.4	37.4
50°	2623.2	2319.0	1342.3	328.2	66.7	50.7	40.0	32.0	32.0	34.7	34.7
52.5°	2673.9	2375.1	1222.2	226.8	66.7	48.0	37.4	32.0	29.4	29.4	29.4
55°	2732.7	2388.4	1120.8	149.4	64.0	45.4	34.7	26.7	26.7	24.0	24.0
57.5°	2764.7	2353.7	1046.1	125.4	61.4	42.7	32.0	24.0	21.3	18.7	18.7
60°	2751.3	2303.0	982.0	109.4	56.0	40.0	29.4	21.3	16.0	13.3	13.3
62.5°	2724.7	2260.3	864.6	96.1	53.4	34.7	24.0	18.7	13.3	10.7	10.7
65°	2695.3	2145.6	728.5	82.7	48.0	32.0	21.3	16.0	10.7	8.0	8.0
67.5°	2559.2	1993.5	533.7	74.7	45.4	29.4	18.7	13.3	10.7	8.0	8.0
70°	2380.4	1739.9	344.3	64.0	40.0	26.7	18.7	10.7	8.0	5.3	5.3
72.5°	2025.5	1419.7	173.5	56.0	37.4	26.7	16.0	10.7	8.0	5.3	2.7
75°	1654.5	1059.4	112.1	48.0	34.7	26.7	16.0	10.7	5.3	2.7	2.7
77.5°	1184.9	573.8	85.4	42.7	29.4	26.7	13.3	8.0	5.3	5.3	2.7
80°	493.7	208.2	69.4	34.7	26.7	24.0	13.3	8.0	5.3	5.3	2.7
82.5°	208.2	144.1	61.4	29.4	24.0	24.0	10.7	8.0	5.3	5.3	5.3
85°	162.8	120.1	53.4	26.7	21.3	26.7	10.7	8.0	8.0	8.0	8.0
87.5°	152.1	122.8	48.0	24.0	21.3	18.7	10.7	8.0	13.3	13.3	16.0
90°	170.8	128.1	37.4	21.3	18.7	16.0	8.0	5.3	5.3	0.0	0.0
92.5°	157.4	117.4	26.7	16.0	24.0	10.7	5.3	0.0	0.0	0.0	0.0
95°	136.1	98.7	16.0	10.7	26.7	13.3	2.7	0.0	0.0	0.0	0.0
97.5°	101.4	72.1	10.7	5.3	21.3	16.0	2.7	0.0	0.0	0.0	0.0
100°	72.1	45.4	8.0	5.3	13.3	16.0	2.7	0.0	0.0	0.0	0.0
102.5°	40.0	24.0	5.3	2.7	5.3	5.3	0.0	0.0	0.0	0.0	0.0
105°	18.7	8.0	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691612
 CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
115°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
125°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
130°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
135°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
140°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
145°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.7	2.7	2.7	2.7	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)