

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: P691918

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6686 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

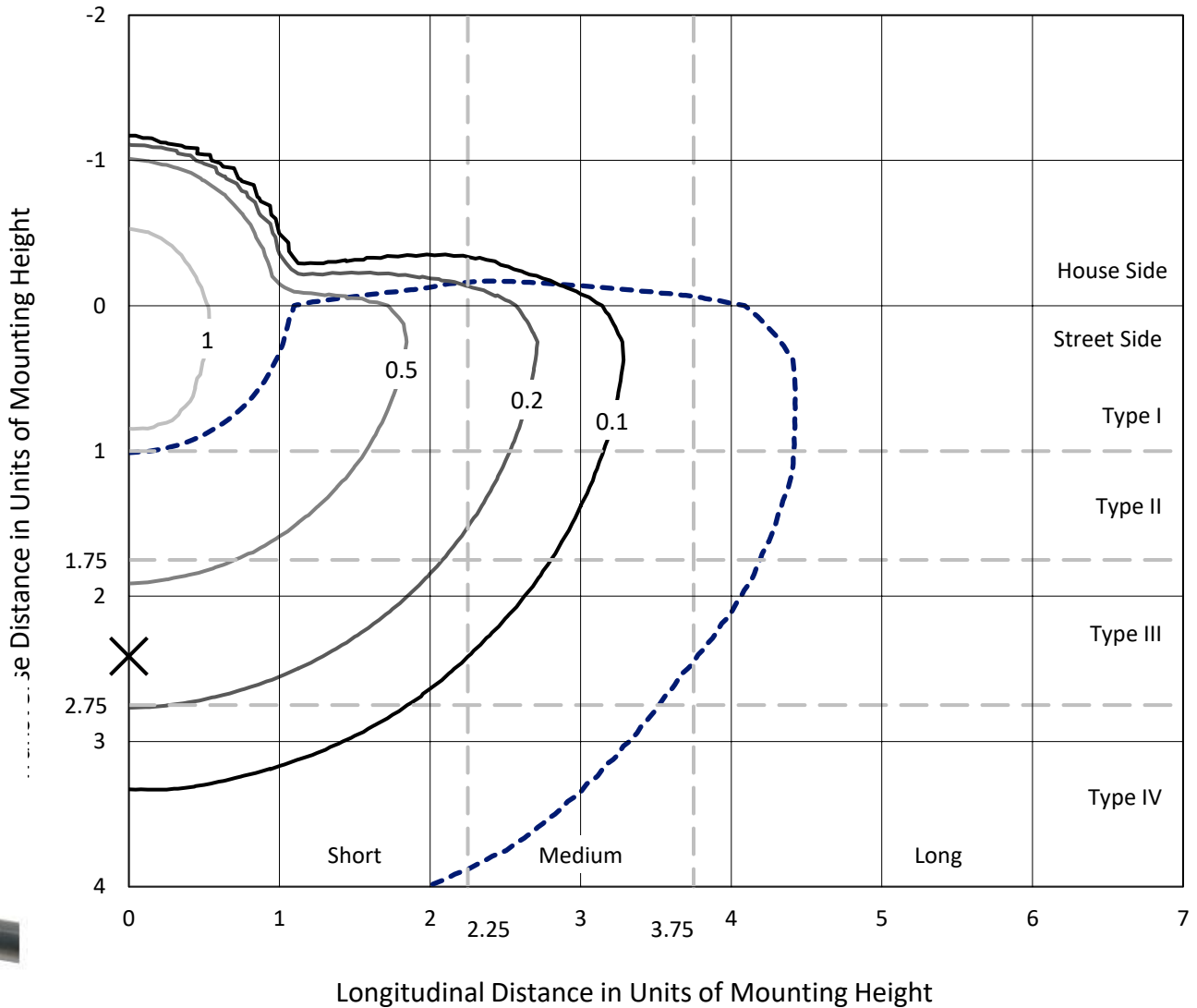
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691918
 CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

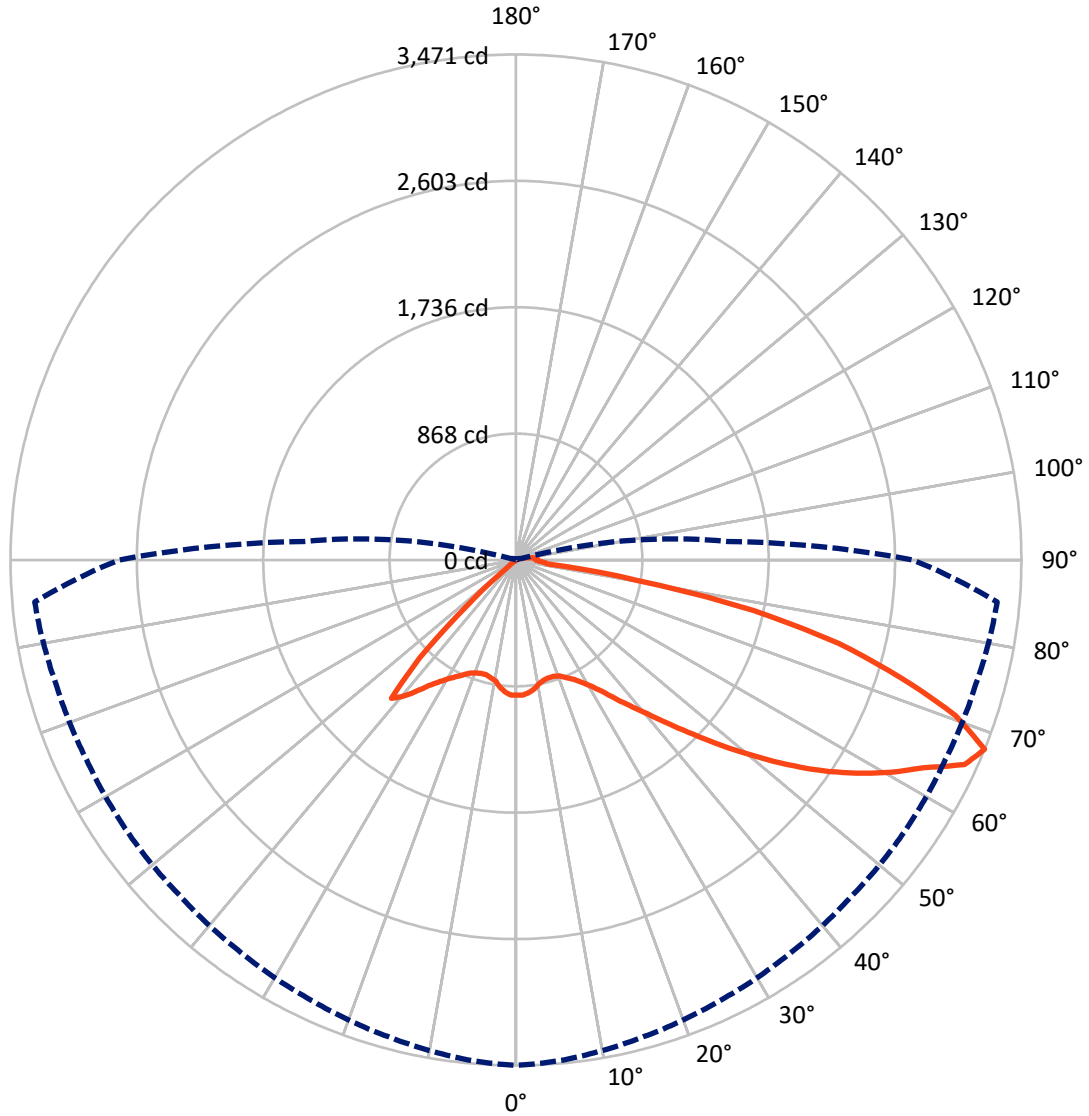
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P691918
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P691918

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

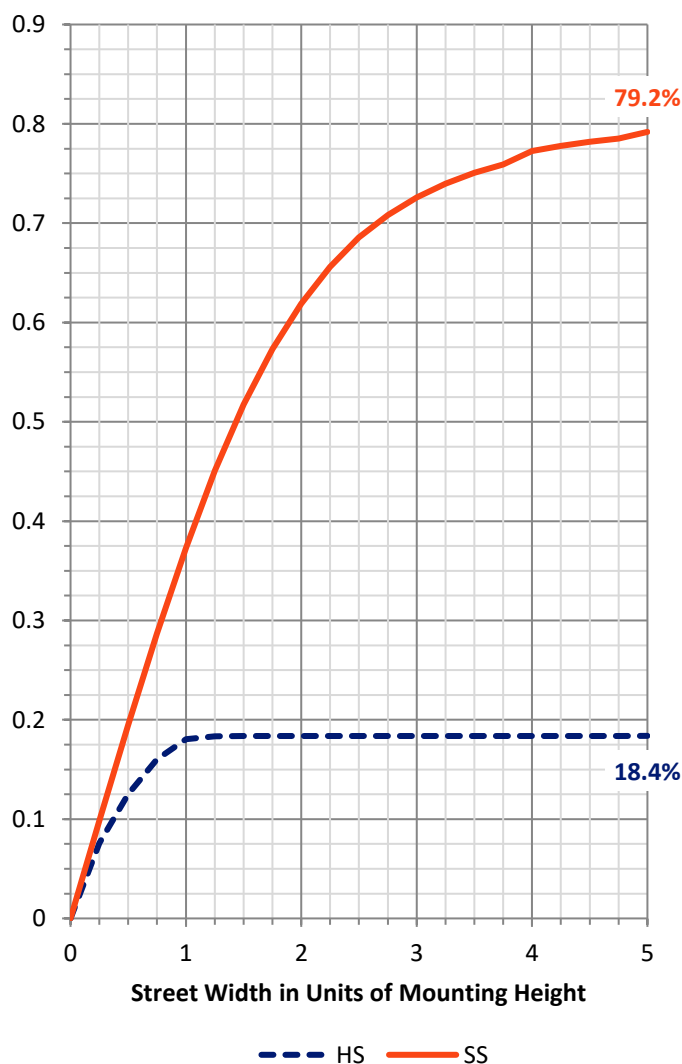
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1236.6	5.0	1241.6
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5351.5	92.9	5444.4
	% Fixture	80.0	1.4	81.4
Total	Lumens	6588.1	97.9	6686.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.3
10°-20°	230.9	3.5
20°-30°	406.8	6.1
30°-40°	695.5	10.4
40°-50°	955.7	14.3
50°-60°	1181.2	17.7
60°-70°	1650.7	24.7
70°-80°	1205.8	18.0
80°-90°	177.0	2.6
90°-100°	78.0	1.2
100°-110°	17.8	0.3
110°-120°	1.1	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6588.1	98.5
0°-180°	6686.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691918

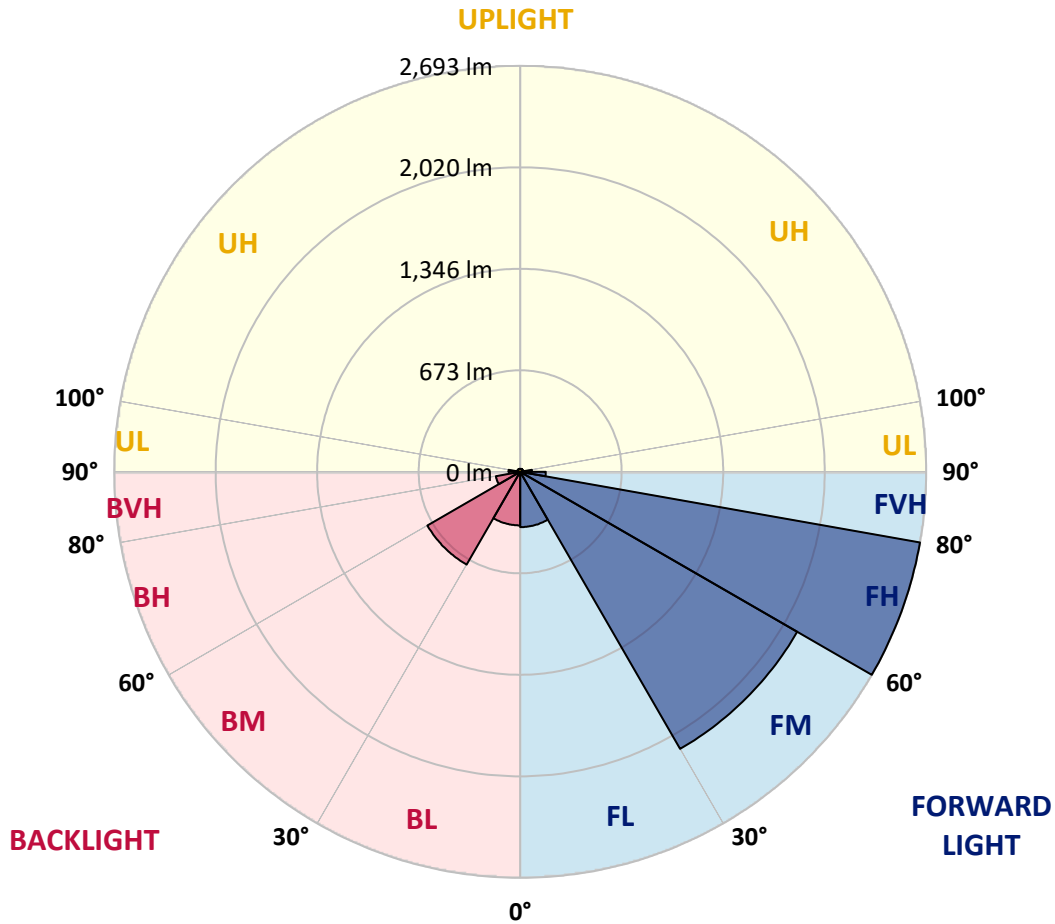
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.7	5.5			
FM (30°-60°)	2121.8	31.7			
FH (60°-80°)	2692.9	40.3			G2/5000
FVH (80°-90°)	170.2	2.5			G2/225
BL (0°-30°)	355.5	5.3	B1/500		
BM (30°-60°)	710.5	10.6	B1/1000		
BH (60°-80°)	163.6	2.4	B1/500		G1/500
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	78.0	1.2		U3/500	
UH (100°-180°)	19.9	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P691918

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2
2.5°	928.2	928.2	928.2	928.2	931.5	928.2	924.9	918.4	918.4	918.4	918.4
5°	915.1	915.1	918.4	918.4	915.1	911.9	905.3	905.3	902.1	902.1	902.1
7.5°	895.5	895.5	895.5	898.8	892.3	882.5	879.2	875.9	872.6	869.4	866.1
10°	866.1	866.1	866.1	862.8	856.3	846.5	840.0	833.4	833.4	830.2	826.9
12.5°	846.5	846.5	846.5	843.2	833.4	826.9	817.1	810.5	807.3	807.3	804.0
15°	840.0	840.0	840.0	836.7	826.9	820.4	810.5	804.0	797.5	794.2	790.9
17.5°	840.0	840.0	840.0	833.4	830.2	820.4	810.5	804.0	800.7	797.5	794.2
20°	849.8	853.0	849.8	846.5	836.7	830.2	820.4	810.5	807.3	807.3	804.0
22.5°	875.9	872.6	872.6	869.4	859.6	849.8	843.2	836.7	830.2	830.2	826.9
25°	905.3	908.6	908.6	902.1	895.5	885.7	875.9	866.1	862.8	859.6	856.3
27.5°	947.8	947.8	951.1	944.6	934.7	928.2	918.4	911.9	905.3	898.8	895.5
30°	1000.1	1003.4	1003.4	996.8	987.0	974.0	967.4	957.6	947.8	947.8	938.0
32.5°	1068.7	1075.3	1072.0	1065.5	1055.7	1042.6	1036.1	1026.3	1019.7	1009.9	1003.4
35°	1163.5	1166.8	1163.5	1157.0	1140.7	1127.6	1121.0	1114.5	1108.0	1094.9	1081.8
37.5°	1268.1	1271.4	1274.7	1268.1	1248.5	1228.9	1222.4	1212.6	1209.3	1192.9	1186.4
40°	1389.0	1395.6	1392.3	1382.5	1366.2	1346.6	1343.3	1333.5	1323.7	1313.9	1297.5
42.5°	1536.1	1536.1	1532.9	1526.3	1513.2	1490.4	1483.8	1474.0	1467.5	1447.9	1421.7
45°	1706.1	1709.3	1699.5	1689.7	1686.5	1666.9	1650.5	1640.7	1621.1	1598.2	1568.8
47.5°	1905.4	1902.2	1889.1	1879.3	1876.0	1859.7	1846.6	1827.0	1800.9	1774.7	1719.1
50°	2111.3	2111.3	2088.5	2078.7	2085.2	2062.3	2046.0	2023.1	1997.0	1970.8	1889.1
52.5°	2333.6	2323.8	2300.9	2304.2	2294.4	2271.5	2251.9	2235.5	2209.4	2186.5	2055.8
55°	2555.8	2542.8	2506.8	2510.1	2493.7	2467.6	2454.5	2434.9	2428.4	2402.2	2215.9
57.5°	2761.8	2745.4	2706.2	2702.9	2689.8	2660.4	2653.9	2631.0	2614.7	2601.6	2336.9
60°	2961.1	2944.8	2908.8	2895.8	2869.6	2840.2	2843.5	2830.4	2820.6	2807.5	2470.9
62.5°	3140.9	3121.3	3088.6	3062.4	3026.5	3000.3	3003.6	2997.1	3003.6	3000.3	2585.3
65°	3386.0	3366.4	3317.4	3271.6	3219.3	3180.1	3176.8	3186.6	3255.3	3261.8	2761.8
67.5°	3471.0	3451.4	3389.3	3333.7	3291.2	3261.8	3255.3	3252.0	3271.6	3317.4	2725.8
70°	3203.0	3189.9	3131.1	3091.9	3049.4	3029.8	3010.1	3019.9	3039.6	3036.3	2500.3
72.5°	2765.0	2836.9	2761.8	2725.8	2716.0	2663.7	2676.8	2667.0	2680.0	2676.8	2222.5
75°	2287.8	2268.2	2251.9	2314.0	2268.2	2229.0	2251.9	2274.8	2297.6	2271.5	1947.9
77.5°	1663.6	1676.7	1670.1	1693.0	1735.5	1715.9	1702.8	1758.4	1768.2	1679.9	1513.2
80°	836.7	889.0	905.3	944.6	967.4	924.9	889.0	967.4	954.4	853.0	768.1
82.5°	219.0	222.2	254.9	300.7	307.2	300.7	307.2	300.7	261.5	166.7	140.5
85°	183.0	183.0	225.5	274.5	284.3	271.3	271.3	254.9	202.6	104.6	85.0
87.5°	150.3	156.9	202.6	248.4	254.9	241.9	238.6	219.0	176.5	91.5	71.9
90°	134.0	140.5	183.0	222.2	225.5	212.4	209.2	196.1	160.1	91.5	71.9
92.5°	147.1	150.3	179.8	202.6	202.6	192.8	189.6	179.8	156.9	114.4	88.2
95°	130.7	134.0	147.1	156.9	153.6	143.8	150.3	140.5	130.7	107.9	81.7
97.5°	107.9	111.1	114.4	114.4	111.1	104.6	111.1	107.9	101.3	88.2	65.4
100°	81.7	81.7	81.7	85.0	81.7	78.4	81.7	75.2	71.9	62.1	45.8
102.5°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	49.0	45.8	39.2	26.1
105°	32.7	32.7	29.4	32.7	32.7	29.4	29.4	26.1	19.6	16.3	9.8
107.5°	13.1	13.1	9.8	9.8	9.8	9.8	6.5	3.3	3.3	3.3	3.3
110°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0



REPORT NUMBER: P691918
 CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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	3.3	3.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
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: P691918

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2	928.2
2.5°	918.4	918.4	918.4	918.4	918.4	918.4	921.7	924.9	928.2	928.2
5°	902.1	902.1	902.1	898.8	902.1	905.3	908.6	908.6	911.9	911.9
7.5°	869.4	866.1	866.1	866.1	869.4	875.9	875.9	879.2	882.5	882.5
10°	826.9	826.9	826.9	826.9	830.2	836.7	836.7	843.2	843.2	843.2
12.5°	804.0	804.0	800.7	797.5	804.0	804.0	813.8	817.1	820.4	826.9
15°	790.9	787.7	790.9	790.9	794.2	797.5	800.7	807.3	810.5	813.8
17.5°	790.9	790.9	790.9	794.2	797.5	797.5	800.7	807.3	810.5	813.8
20°	804.0	804.0	800.7	800.7	804.0	804.0	810.5	817.1	820.4	823.6
22.5°	823.6	820.4	820.4	817.1	820.4	823.6	830.2	836.7	836.7	836.7
25°	849.8	846.5	846.5	846.5	853.0	853.0	859.6	866.1	866.1	866.1
27.5°	892.3	885.7	882.5	882.5	882.5	885.7	892.3	895.5	898.8	898.8
30°	928.2	921.7	918.4	915.1	918.4	921.7	928.2	934.7	934.7	934.7
32.5°	993.6	977.2	967.4	970.7	970.7	974.0	980.5	980.5	983.8	983.8
35°	1068.7	1052.4	1036.1	1039.3	1039.3	1042.6	1042.6	1042.6	1049.1	1042.6
37.5°	1163.5	1137.4	1124.3	1127.6	1121.0	1121.0	1121.0	1121.0	1117.8	1124.3
40°	1264.8	1225.6	1212.6	1215.8	1212.6	1209.3	1209.3	1212.6	1209.3	1212.6
42.5°	1248.5	1085.1	1124.3	1170.1	1202.8	1225.6	1251.8	1264.8	1264.8	1277.9
45°	1091.6	643.9	689.6	751.7	804.0	859.6	885.7	905.3	918.4	944.6
47.5°	947.8	232.1	264.7	307.2	362.8	362.8	408.5	428.2	434.7	457.6
50°	921.7	36.0	29.4	32.7	36.0	39.2	42.5	52.3	52.3	65.4
52.5°	1003.4	32.7	19.6	13.1	13.1	9.8	6.5	6.5	6.5	9.8
55°	1094.9	36.0	19.6	13.1	9.8	9.8	3.3	3.3	3.3	3.3
57.5°	1173.3	32.7	16.3	13.1	9.8	6.5	0.0	0.0	0.0	0.0
60°	1258.3	36.0	19.6	13.1	9.8	6.5	0.0	0.0	0.0	0.0
62.5°	1333.5	36.0	19.6	13.1	9.8	3.3	0.0	0.0	0.0	0.0
65°	1441.3	39.2	19.6	13.1	6.5	0.0	0.0	0.0	0.0	0.0
67.5°	1460.9	39.2	19.6	9.8	3.3	0.0	0.0	0.0	0.0	0.0
70°	1304.1	32.7	13.1	6.5	3.3	0.0	0.0	0.0	0.0	0.0
72.5°	1121.0	19.6	9.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	902.1	16.3	6.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	604.6	13.1	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	271.3	9.8	3.3	3.3	0.0	0.0	3.3	3.3	0.0	0.0
82.5°	58.8	6.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.2	6.5	3.3	3.3	0.0	0.0	3.3	3.3	0.0	0.0
87.5°	36.0	3.3	3.3	3.3	0.0	0.0	0.0	3.3	0.0	0.0
90°	36.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	42.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	39.2	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	29.4	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	19.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	9.8	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691918
 CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	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°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.3	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°	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	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)