

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: P691816

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6494.9 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 74.9
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

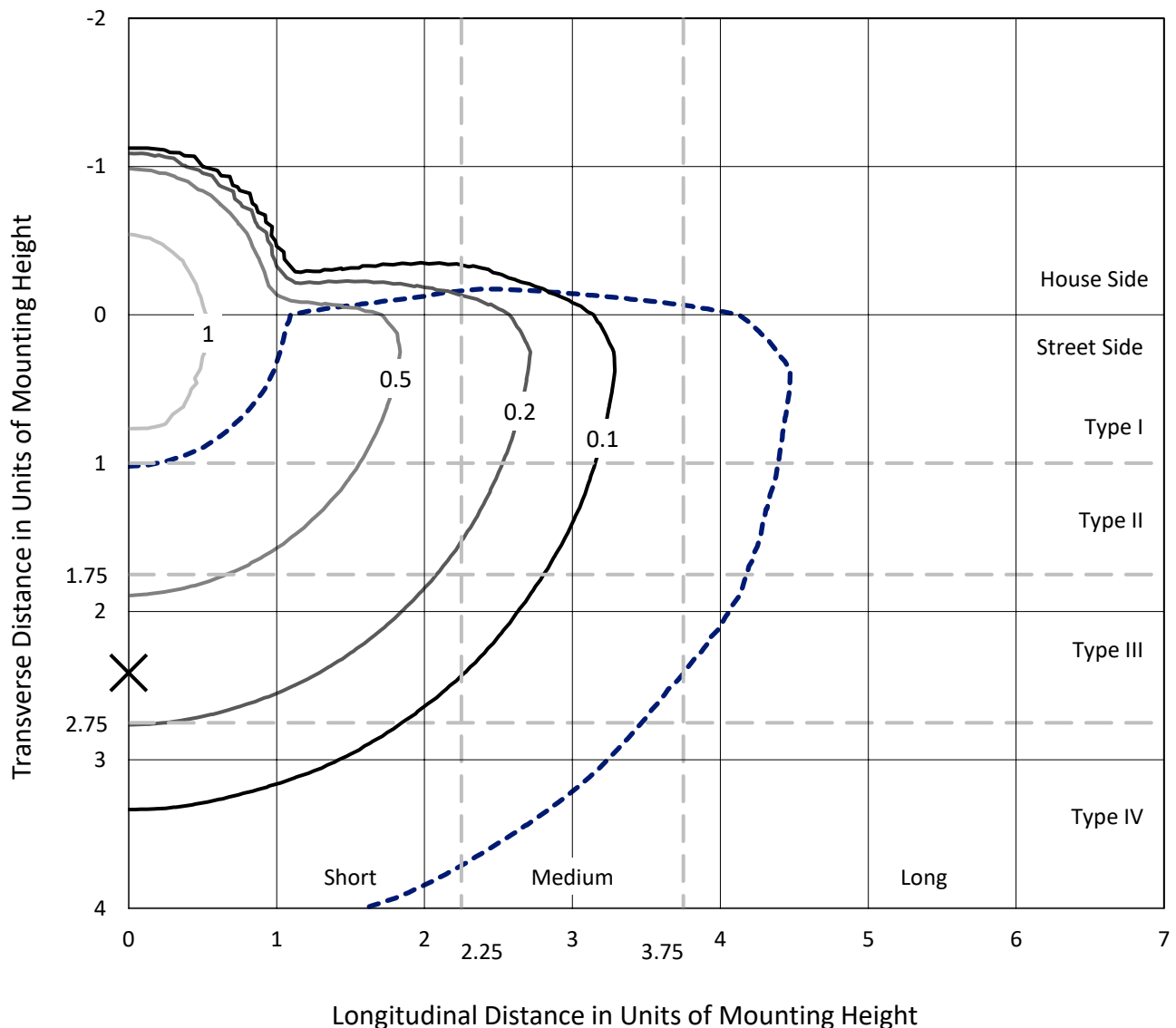


REPORT NUMBER: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

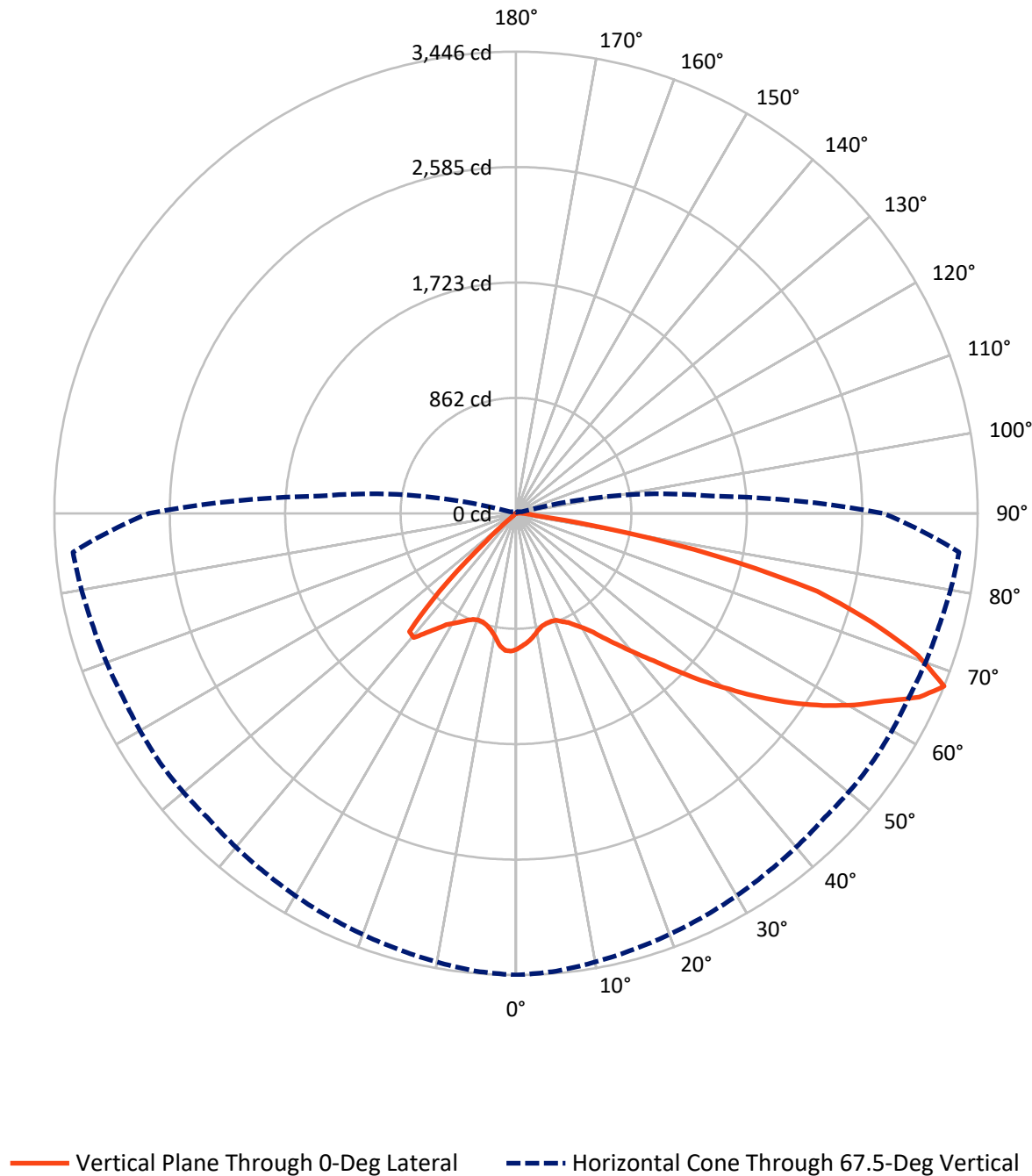


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

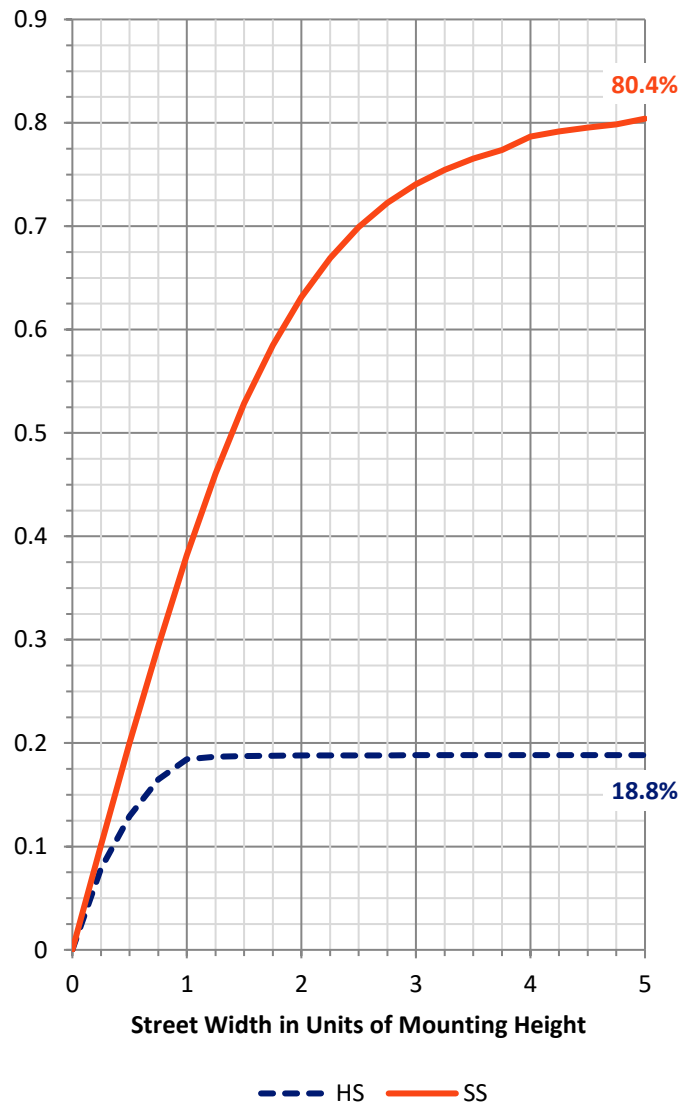
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1230.0	2.3	1232.3
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	5247.9	14.7	5262.6
	% Fixture	80.8	0.2	81.0
Total	Lumens	6477.9	17.0	6494.9
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	1.4
10°-20°	238.4	3.7
20°-30°	408.9	6.3
30°-40°	691.3	10.6
40°-50°	922.5	14.2
50°-60°	1171.3	18.0
60°-70°	1640.3	25.3
70°-80°	1188.0	18.3
80°-90°	126.6	1.9
90°-100°	14.2	0.2
100°-110°	1.4	0.0
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6477.9	99.7
0°-180°	6494.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691816

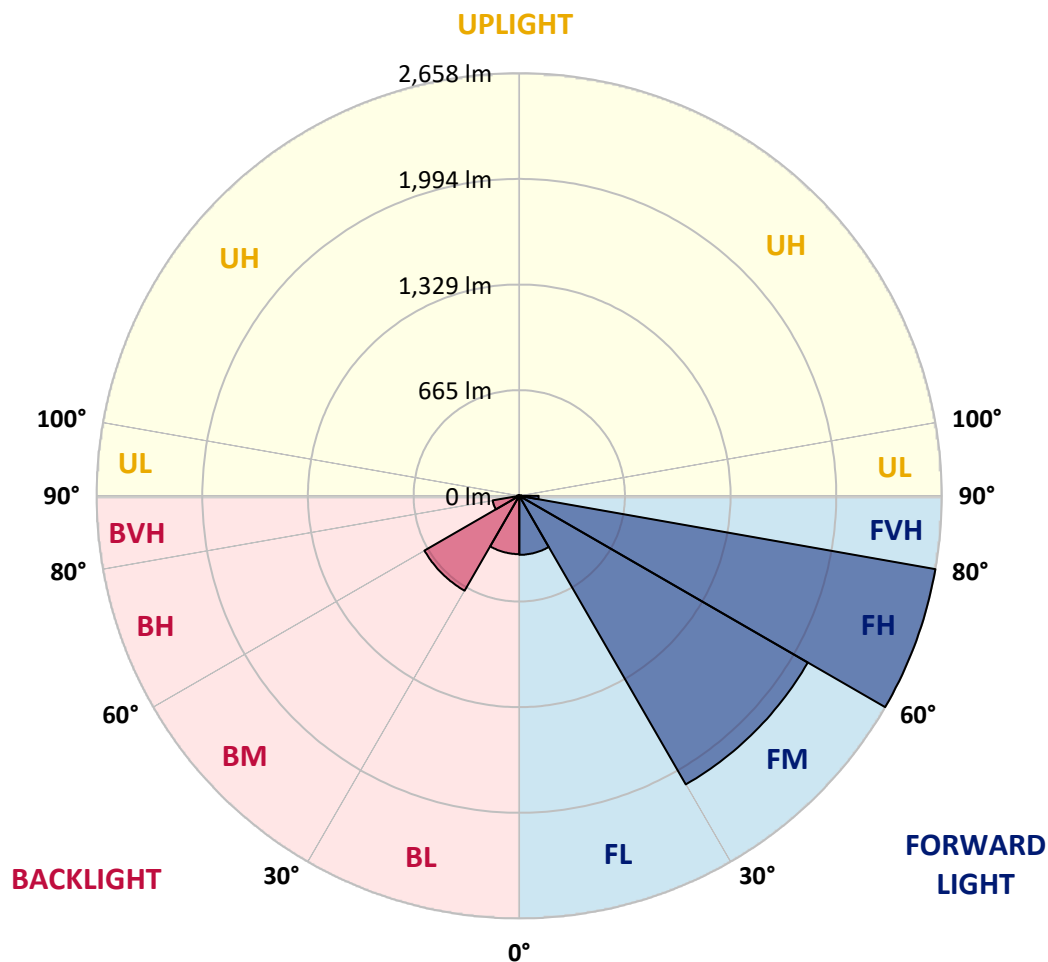
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	371.2	5.7			
FM	(30°-60°)	2096.4	32.3			
FH	(60°-80°)	2658.4	40.9			G2/5000
FVH	(80°-90°)	121.9	1.9			G2/225
BL	(0°-30°)	366.7	5.6	B1/500		
BM	(30°-60°)	688.8	10.6	B1/1000		
BH	(60°-80°)	169.8	2.6	B1/500		G1/500
BVH	(80°-90°)	4.7	0.1			G0/10
UL	(90°-100°)	14.2	0.2		U2/50	
UH	(100°-180°)	2.8	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



REPORT NUMBER: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	987.5	990.7	990.7	990.7	994.0	990.7	990.7	990.7	990.7	994.0	994.0
5°	961.5	961.5	961.5	964.7	964.7	961.5	958.2	961.5	961.5	964.7	964.7
7.5°	929.0	929.0	929.0	932.2	929.0	922.5	916.0	919.3	916.0	919.3	922.5
10°	890.0	893.3	893.3	890.0	886.8	877.0	867.3	870.5	867.3	870.5	870.5
12.5°	864.0	867.3	867.3	864.0	854.3	847.8	841.3	834.8	831.5	838.0	834.8
15°	851.0	854.3	854.3	851.0	844.5	838.0	825.1	821.8	815.3	812.1	815.3
17.5°	847.8	847.8	847.8	844.5	838.0	828.3	821.8	815.3	812.1	812.1	808.8
20°	851.0	857.5	854.3	851.0	844.5	838.0	828.3	818.6	818.6	818.6	815.3
22.5°	877.0	877.0	873.8	873.8	867.3	857.5	847.8	841.3	834.8	834.8	834.8
25°	903.0	906.3	906.3	903.0	893.3	880.3	877.0	867.3	864.0	860.8	857.5
27.5°	945.2	942.0	945.2	945.2	932.2	925.7	916.0	909.5	906.3	899.8	896.5
30°	994.0	994.0	994.0	994.0	984.2	971.2	964.7	955.0	945.2	945.2	938.7
32.5°	1058.9	1062.2	1062.2	1058.9	1049.2	1036.2	1029.7	1016.7	1013.4	1007.0	1000.5
35°	1149.9	1149.9	1149.9	1143.4	1130.4	1120.6	1114.1	1104.4	1101.2	1091.4	1075.2
37.5°	1250.6	1250.6	1257.1	1250.6	1237.6	1224.6	1214.8	1208.3	1198.6	1192.1	1182.4
40°	1367.5	1367.5	1370.8	1361.0	1348.0	1341.5	1331.8	1318.8	1312.3	1309.0	1289.5
42.5°	1503.9	1510.4	1510.4	1500.7	1490.9	1481.2	1468.2	1458.5	1452.0	1439.0	1413.0
45°	1669.6	1666.3	1672.8	1663.1	1656.6	1653.4	1633.9	1611.1	1614.4	1585.1	1555.9
47.5°	1864.5	1867.7	1864.5	1854.7	1848.2	1845.0	1825.5	1796.3	1783.3	1760.5	1705.3
50°	2062.6	2065.9	2062.6	2056.1	2062.6	2043.1	2020.4	1994.4	1991.2	1961.9	1877.5
52.5°	2280.3	2270.5	2267.3	2264.0	2257.5	2247.8	2225.0	2195.8	2199.1	2166.6	2033.4
55°	2497.9	2488.1	2471.9	2465.4	2458.9	2442.7	2423.2	2413.4	2410.2	2377.7	2199.1
57.5°	2705.8	2689.5	2666.8	2663.6	2653.8	2631.1	2621.3	2605.1	2605.1	2569.4	2319.2
60°	2903.9	2884.4	2858.4	2845.5	2829.2	2809.7	2806.5	2796.7	2800.0	2780.5	2449.2
62.5°	3085.8	3069.6	3037.1	3017.6	2991.6	2975.4	2978.6	2972.1	2985.1	2972.1	2562.9
65°	3306.7	3287.2	3248.2	3206.0	3170.3	3144.3	3134.5	3154.0	3209.3	3222.2	2715.5
67.5°	3446.4	3430.1	3371.7	3319.7	3271.0	3235.2	3245.0	3238.5	3267.7	3319.7	2741.5
70°	3183.3	3176.8	3118.3	3085.8	3050.1	3014.4	3017.6	3007.9	3030.6	3043.6	2514.1
72.5°	2777.2	2809.7	2735.0	2731.8	2709.0	2712.3	2676.5	2702.5	2686.3	2686.3	2225.0
75°	2322.5	2254.3	2231.5	2286.8	2254.3	2257.5	2251.0	2280.3	2277.0	2280.3	1935.9
77.5°	1523.4	1536.4	1507.2	1565.6	1594.9	1643.6	1666.3	1744.3	1715.1	1708.6	1533.2
80°	682.1	698.4	701.6	756.8	792.6	841.3	825.1	880.3	844.5	786.1	750.3
82.5°	152.7	152.7	172.2	220.9	233.9	243.6	243.6	253.4	201.4	123.4	100.7
85°	103.9	100.7	136.4	185.1	194.9	188.4	181.9	168.9	116.9	35.7	29.2
87.5°	68.2	71.5	110.4	152.7	159.2	149.4	139.7	126.7	84.5	9.7	6.5
90°	45.5	52.0	84.5	116.9	116.9	110.4	100.7	84.5	52.0	3.2	3.2
92.5°	22.7	26.0	42.2	52.0	48.7	42.2	39.0	32.5	19.5	3.2	3.2
95°	13.0	13.0	19.5	19.5	19.5	16.2	16.2	13.0	6.5	3.2	3.2
97.5°	9.7	9.7	13.0	13.0	9.7	9.7	9.7	6.5	3.2	3.2	3.2
100°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2	3.2
102.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
105°	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2
107.5°	0.0	0.0	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	0.0



REPORT NUMBER: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

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	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2
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	3.2
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	3.2	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	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2
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	3.2	0.0	3.2	3.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0	3.2	3.2
175°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2	3.2	3.2
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: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	997.2	1000.5	1003.7	1010.2	1010.2	1019.9	1023.2	1026.4	1029.7	1029.7
5°	971.2	974.5	984.2	990.7	1000.5	1007.0	1016.7	1019.9	1023.2	1026.4
7.5°	922.5	929.0	938.7	942.0	955.0	964.7	974.5	984.2	987.5	994.0
10°	873.8	877.0	880.3	890.0	896.5	909.5	922.5	929.0	935.5	935.5
12.5°	838.0	841.3	844.5	847.8	857.5	864.0	877.0	883.5	886.8	893.3
15°	815.3	815.3	821.8	821.8	828.3	838.0	844.5	854.3	857.5	864.0
17.5°	808.8	808.8	812.1	815.3	821.8	825.1	831.5	841.3	844.5	847.8
20°	812.1	815.3	815.3	818.6	825.1	828.3	834.8	838.0	841.3	844.5
22.5°	828.3	825.1	828.3	828.3	831.5	838.0	844.5	851.0	854.3	854.3
25°	851.0	847.8	847.8	854.3	857.5	860.8	870.5	873.8	877.0	877.0
27.5°	890.0	886.8	890.0	890.0	893.3	893.3	903.0	903.0	906.3	909.5
30°	929.0	919.3	919.3	919.3	922.5	929.0	932.2	938.7	942.0	942.0
32.5°	987.5	968.0	964.7	968.0	968.0	971.2	981.0	977.7	984.2	981.0
35°	1062.2	1042.7	1036.2	1036.2	1036.2	1036.2	1045.9	1039.4	1045.9	1042.7
37.5°	1153.1	1127.1	1123.9	1123.9	1117.4	1120.6	1123.9	1117.4	1114.1	1117.4
40°	1250.6	1205.1	1201.8	1205.1	1205.1	1205.1	1205.1	1201.8	1198.6	1201.8
42.5°	1205.1	1023.2	1045.9	1078.4	1110.9	1149.9	1159.6	1185.6	1188.9	1188.9
45°	1052.4	591.2	623.7	672.4	691.9	704.9	740.6	795.8	812.1	815.3
47.5°	929.0	198.1	211.1	230.6	263.1	279.3	282.6	321.6	337.8	305.3
50°	919.3	45.5	32.5	32.5	35.7	29.2	29.2	32.5	32.5	32.5
52.5°	1003.7	42.2	29.2	26.0	26.0	26.0	22.7	26.0	26.0	26.0
55°	1091.4	42.2	29.2	26.0	26.0	26.0	22.7	22.7	22.7	22.7
57.5°	1162.9	42.2	29.2	26.0	26.0	22.7	19.5	19.5	19.5	19.5
60°	1247.3	42.2	29.2	26.0	26.0	19.5	16.2	16.2	16.2	16.2
62.5°	1318.8	45.5	29.2	26.0	22.7	16.2	16.2	16.2	16.2	16.2
65°	1422.7	45.5	29.2	22.7	16.2	13.0	13.0	13.0	13.0	13.0
67.5°	1471.5	45.5	26.0	19.5	13.0	9.7	9.7	9.7	9.7	9.7
70°	1325.3	35.7	19.5	13.0	9.7	9.7	9.7	9.7	9.7	9.7
72.5°	1133.6	26.0	13.0	9.7	6.5	6.5	6.5	6.5	6.5	3.2
75°	903.0	16.2	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0
77.5°	633.4	13.0	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0
80°	263.1	9.7	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.0	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.0	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691816

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	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°	3.2	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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.2	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°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.2	3.2	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)