

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: P691812

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691812
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-5TLD-U-T5R-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6643.9 lumens
Efficiency: N/A
Efficacy: 88.7 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): 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

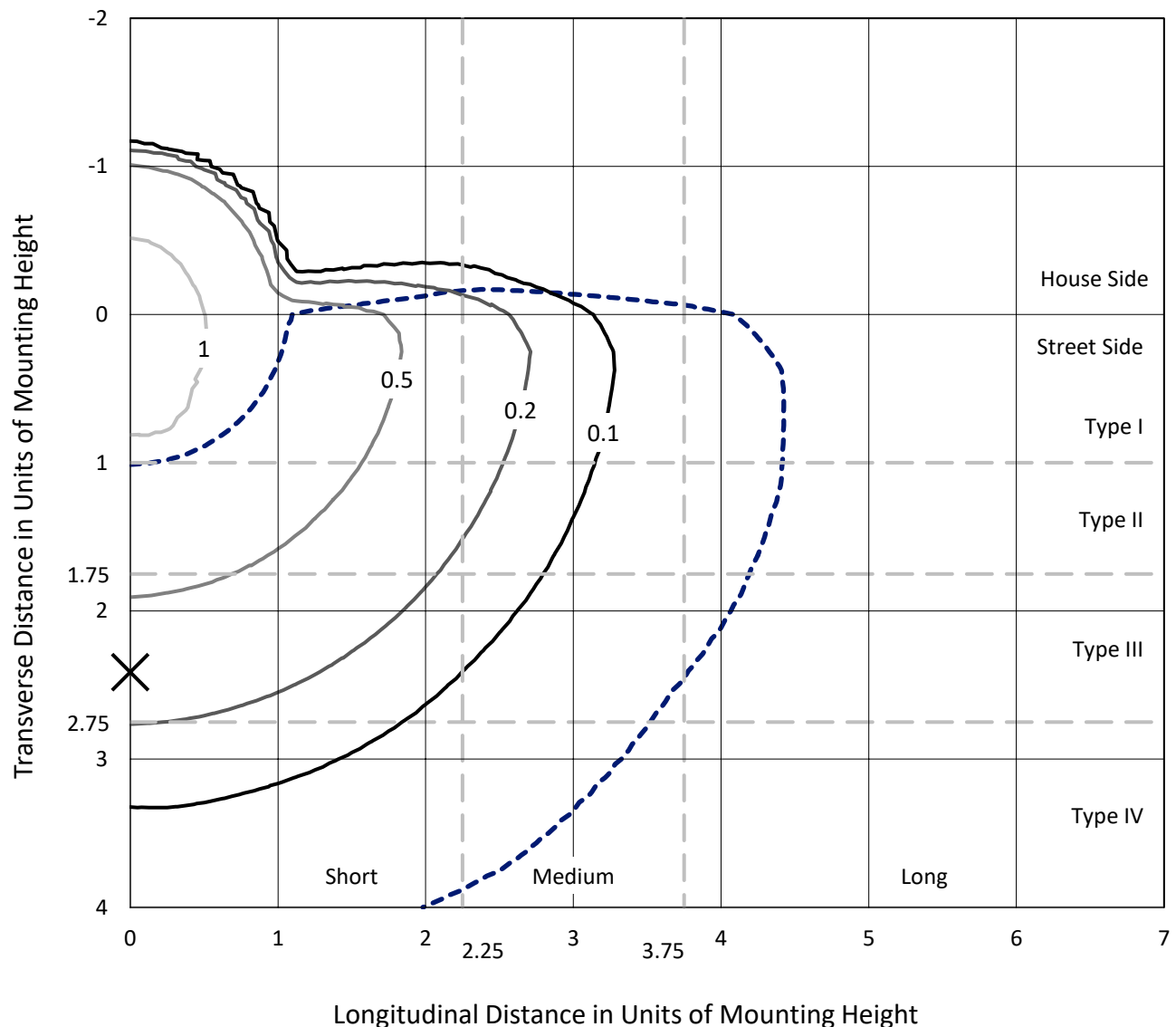


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Iso-Footcandle Lines of Horizontal Illumination

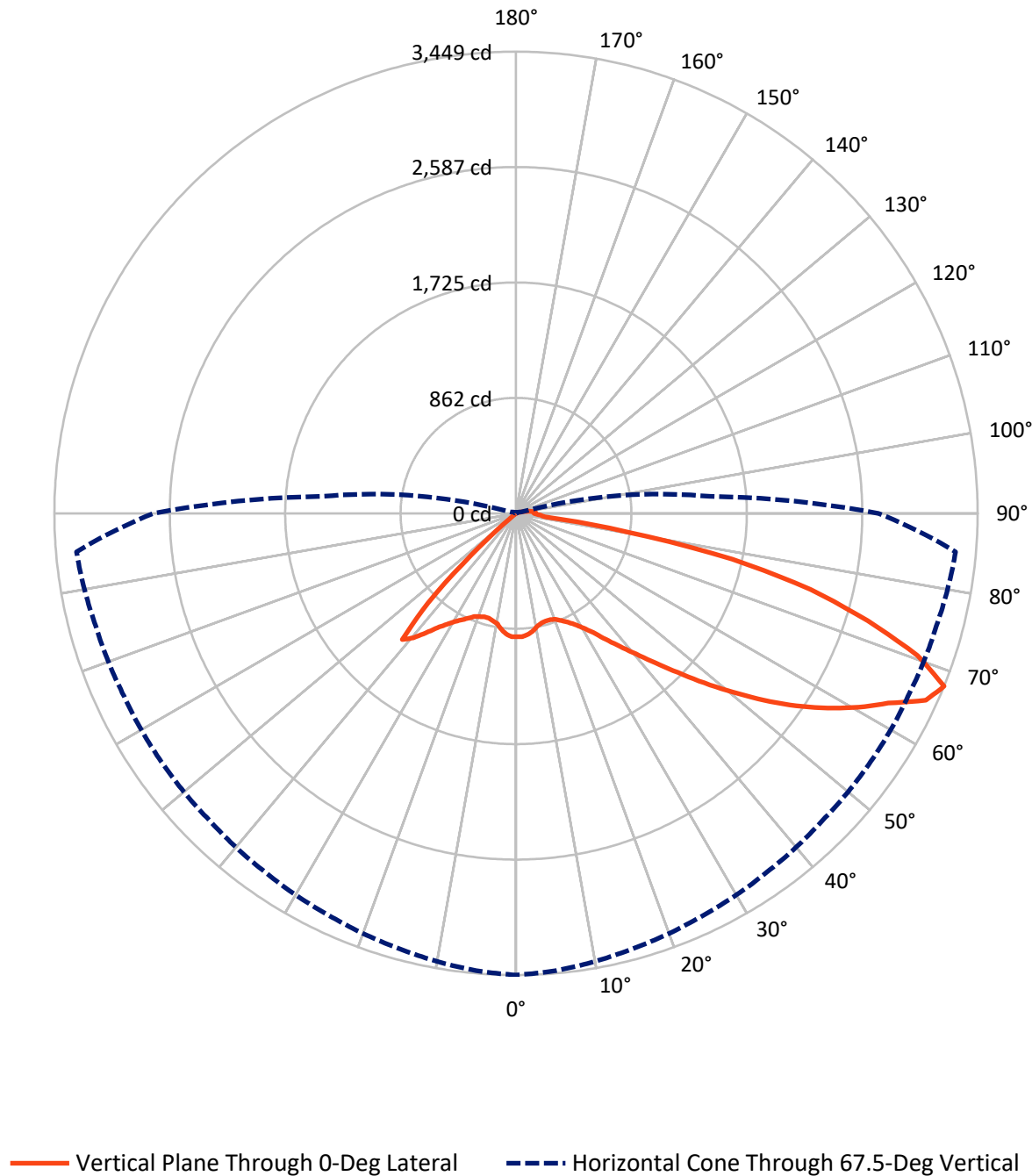
× Max cd
 --- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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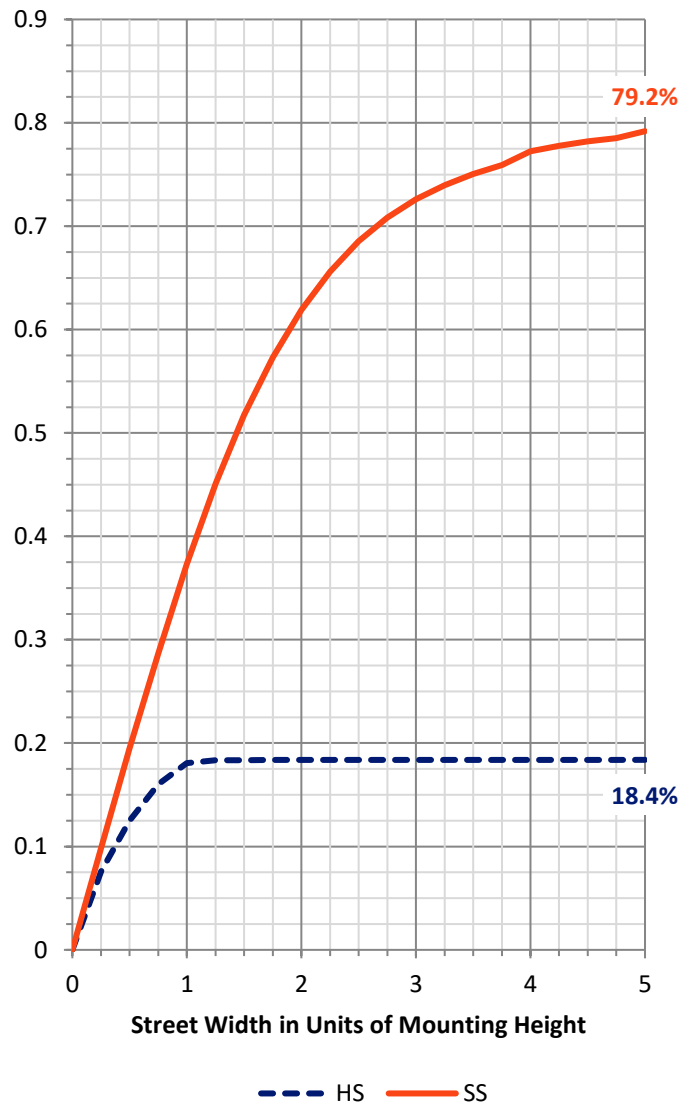
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1228.8	4.9	1233.7
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5317.9	92.3	5410.2
	% Fixture	80.0	1.4	81.4
Total	Lumens	6546.7	97.2	6643.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.3
10°-20°	229.5	3.5
20°-30°	404.3	6.1
30°-40°	691.1	10.4
40°-50°	949.7	14.3
50°-60°	1173.8	17.7
60°-70°	1640.4	24.7
70°-80°	1198.2	18.0
80°-90°	175.9	2.6
90°-100°	77.6	1.2
100°-110°	17.7	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°	6546.7	98.5
0°-180°	6643.9	100.0

Coefficient of Utilization



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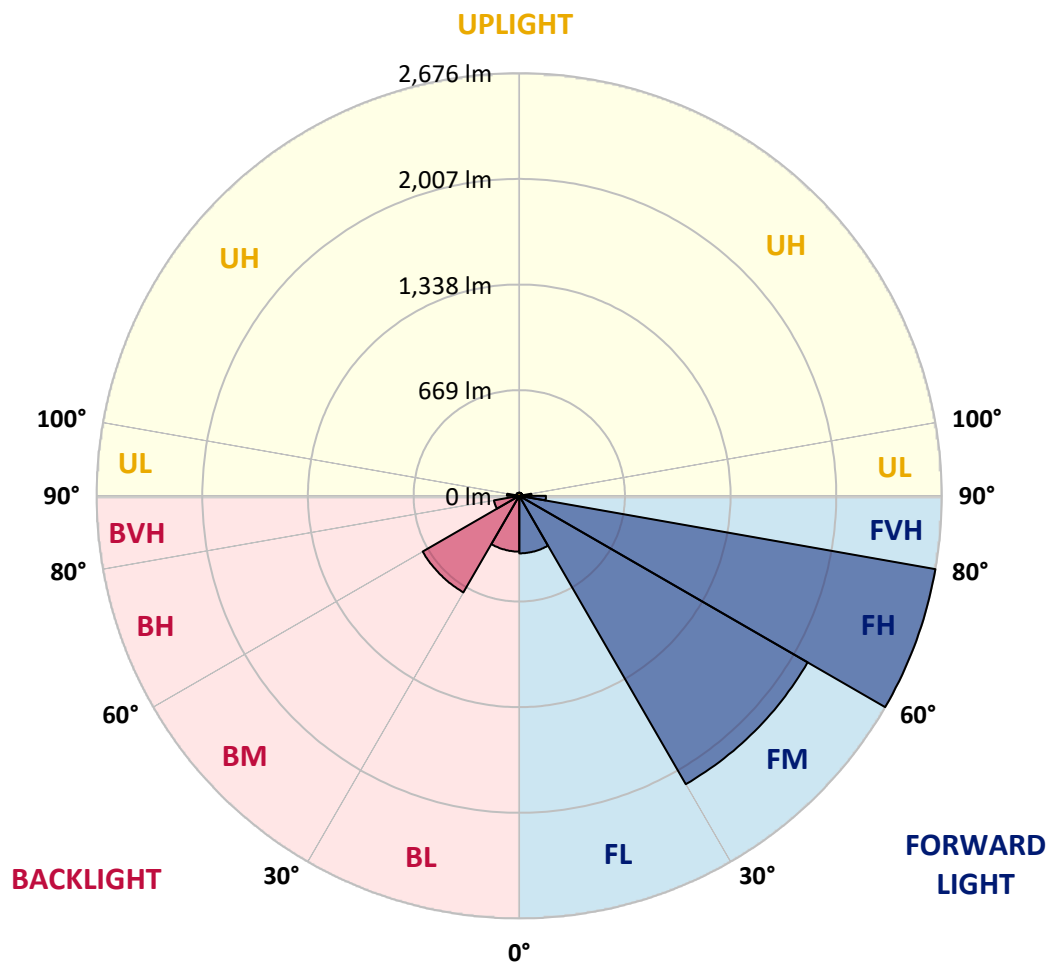
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.4	5.5			
FM	(30°-60°)	2108.5	31.7			
FH	(60°-80°)	2676.0	40.3			G2/5000
FVH	(80°-90°)	169.1	2.5			G2/225
BL	(0°-30°)	353.3	5.3	B1/500		
BM	(30°-60°)	706.1	10.6	B1/1000		
BH	(60°-80°)	162.6	2.4	B1/500		G1/500
BVH	(80°-90°)	6.8	0.1			G0/10
UL	(90°-100°)	77.6	1.2		U3/500	
UH	(100°-180°)	19.7	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4
2.5°	922.4	922.4	922.4	922.4	925.6	922.4	919.1	912.6	912.6	912.6	912.6
5°	909.4	909.4	912.6	912.6	909.4	906.1	899.6	899.6	896.4	896.4	896.4
7.5°	889.9	889.9	889.9	893.1	886.7	876.9	873.7	870.4	867.2	863.9	860.7
10°	860.7	860.7	860.7	857.4	850.9	841.2	834.7	828.2	828.2	824.9	821.7
12.5°	841.2	841.2	841.2	837.9	828.2	821.7	812.0	805.5	802.2	802.2	799.0
15°	834.7	834.7	834.7	831.4	821.7	815.2	805.5	799.0	792.5	789.2	786.0
17.5°	834.7	834.7	834.7	828.2	824.9	815.2	805.5	799.0	795.7	792.5	789.2
20°	844.4	847.7	844.4	841.2	831.4	824.9	815.2	805.5	802.2	802.2	799.0
22.5°	870.4	867.2	867.2	863.9	854.2	844.4	837.9	831.4	824.9	824.9	821.7
25°	899.6	902.9	902.9	896.4	889.9	880.2	870.4	860.7	857.4	854.2	850.9
27.5°	941.9	941.9	945.1	938.6	928.9	922.4	912.6	906.1	899.6	893.1	889.9
30°	993.8	997.1	997.1	990.6	980.8	967.8	961.4	951.6	941.9	941.9	932.1
32.5°	1062.0	1068.5	1065.3	1058.8	1049.0	1036.1	1029.6	1019.8	1013.3	1003.6	997.1
35°	1156.2	1159.5	1156.2	1149.7	1133.5	1120.5	1114.0	1107.5	1101.0	1088.0	1075.0
37.5°	1260.2	1263.4	1266.6	1260.2	1240.7	1221.2	1214.7	1204.9	1201.7	1185.5	1179.0
40°	1380.3	1386.8	1383.6	1373.8	1357.6	1338.1	1334.9	1325.1	1315.4	1305.6	1289.4
42.5°	1526.5	1526.5	1523.2	1516.7	1503.7	1481.0	1474.5	1464.8	1458.3	1438.8	1412.8
45°	1695.4	1698.6	1688.9	1679.1	1675.9	1656.4	1640.1	1630.4	1610.9	1588.2	1559.0
47.5°	1893.5	1890.2	1877.2	1867.5	1864.2	1848.0	1835.0	1815.5	1789.5	1763.6	1708.3
50°	2098.1	2098.1	2075.4	2065.6	2072.1	2049.4	2033.1	2010.4	1984.4	1958.4	1877.2
52.5°	2318.9	2309.2	2286.5	2289.7	2280.0	2257.2	2237.7	2221.5	2195.5	2172.8	2042.9
55°	2539.8	2526.8	2491.1	2494.3	2478.1	2452.1	2439.1	2419.6	2413.1	2387.1	2202.0
57.5°	2744.4	2728.2	2689.2	2685.9	2672.9	2643.7	2637.2	2614.5	2598.3	2585.3	2322.2
60°	2942.5	2926.3	2890.6	2877.6	2851.6	2822.3	2825.6	2812.6	2802.9	2789.9	2455.3
62.5°	3121.1	3101.7	3069.2	3043.2	3007.5	2981.5	2984.7	2978.2	2984.7	2981.5	2569.0
65°	3364.7	3345.2	3296.5	3251.1	3199.1	3160.1	3156.9	3166.6	3234.8	3241.3	2744.4
67.5°	3449.2	3429.7	3368.0	3312.8	3270.5	3241.3	3234.8	3231.6	3251.1	3296.5	2708.7
70°	3182.9	3169.9	3111.4	3072.4	3030.2	3010.7	2991.2	3001.0	3020.5	3017.2	2484.6
72.5°	2747.6	2819.1	2744.4	2708.7	2698.9	2647.0	2660.0	2650.2	2663.2	2660.0	2208.5
75°	2273.5	2254.0	2237.7	2299.5	2254.0	2215.0	2237.7	2260.5	2283.2	2257.2	1935.7
77.5°	1653.1	1666.1	1659.6	1682.4	1724.6	1705.1	1692.1	1747.3	1757.1	1669.4	1503.7
80°	831.4	883.4	899.6	938.6	961.4	919.1	883.4	961.4	948.4	847.7	763.2
82.5°	217.6	220.9	253.3	298.8	305.3	298.8	305.3	298.8	259.8	165.6	139.7
85°	181.9	181.9	224.1	272.8	282.6	269.6	269.6	253.3	201.4	103.9	84.4
87.5°	149.4	155.9	201.4	246.8	253.3	240.3	237.1	217.6	175.4	90.9	71.5
90°	133.2	139.7	181.9	220.9	224.1	211.1	207.9	194.9	159.1	90.9	71.5
92.5°	146.2	149.4	178.6	201.4	201.4	191.6	188.4	178.6	155.9	113.7	87.7
95°	129.9	133.2	146.2	155.9	152.6	142.9	149.4	139.7	129.9	107.2	81.2
97.5°	107.2	110.4	113.7	113.7	110.4	103.9	110.4	107.2	100.7	87.7	65.0
100°	81.2	81.2	81.2	84.4	81.2	77.9	81.2	74.7	71.5	61.7	45.5
102.5°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	48.7	45.5	39.0	26.0
105°	32.5	32.5	29.2	32.5	32.5	29.2	29.2	26.0	19.5	16.2	9.7
107.5°	13.0	13.0	9.7	9.7	9.7	9.7	6.5	3.2	3.2	3.2	3.2
110°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2
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	3.2	3.2	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0
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	0.0	0.0	3.2	3.2	3.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4	922.4
2.5°	912.6	912.6	912.6	912.6	912.6	912.6	915.9	919.1	922.4	922.4
5°	896.4	896.4	896.4	893.1	896.4	899.6	902.9	902.9	906.1	906.1
7.5°	863.9	860.7	860.7	860.7	863.9	870.4	870.4	873.7	876.9	876.9
10°	821.7	821.7	821.7	821.7	824.9	831.4	831.4	837.9	837.9	837.9
12.5°	799.0	799.0	795.7	792.5	799.0	799.0	808.7	812.0	815.2	821.7
15°	786.0	782.7	786.0	786.0	789.2	792.5	795.7	802.2	805.5	808.7
17.5°	786.0	786.0	786.0	789.2	792.5	792.5	795.7	802.2	805.5	808.7
20°	799.0	799.0	795.7	795.7	799.0	799.0	805.5	812.0	815.2	818.4
22.5°	818.4	815.2	815.2	812.0	815.2	818.4	824.9	831.4	831.4	831.4
25°	844.4	841.2	841.2	841.2	847.7	847.7	854.2	860.7	860.7	860.7
27.5°	886.7	880.2	876.9	876.9	876.9	880.2	886.7	889.9	893.1	893.1
30°	922.4	915.9	912.6	909.4	912.6	915.9	922.4	928.9	928.9	928.9
32.5°	987.3	971.1	961.4	964.6	964.6	967.8	974.3	974.3	977.6	977.6
35°	1062.0	1045.8	1029.6	1032.8	1032.8	1036.1	1036.1	1036.1	1042.5	1036.1
37.5°	1156.2	1130.2	1117.2	1120.5	1114.0	1114.0	1114.0	1114.0	1110.8	1117.2
40°	1256.9	1217.9	1204.9	1208.2	1204.9	1201.7	1201.7	1204.9	1201.7	1204.9
42.5°	1240.7	1078.3	1117.2	1162.7	1195.2	1217.9	1243.9	1256.9	1256.9	1269.9
45°	1084.8	639.8	685.3	747.0	799.0	854.2	880.2	899.6	912.6	938.6
47.5°	941.9	230.6	263.1	305.3	360.5	360.5	406.0	425.5	432.0	454.7
50°	915.9	35.7	29.2	32.5	35.7	39.0	42.2	52.0	52.0	65.0
52.5°	997.1	32.5	19.5	13.0	13.0	9.7	6.5	6.5	6.5	9.7
55°	1088.0	35.7	19.5	13.0	9.7	9.7	3.2	3.2	3.2	3.2
57.5°	1166.0	32.5	16.2	13.0	9.7	6.5	0.0	0.0	0.0	0.0
60°	1250.4	35.7	19.5	13.0	9.7	6.5	0.0	0.0	0.0	0.0
62.5°	1325.1	35.7	19.5	13.0	9.7	3.2	0.0	0.0	0.0	0.0
65°	1432.3	39.0	19.5	13.0	6.5	0.0	0.0	0.0	0.0	0.0
67.5°	1451.8	39.0	19.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0
70°	1295.9	32.5	13.0	6.5	3.2	0.0	0.0	0.0	0.0	0.0
72.5°	1114.0	19.5	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	896.4	16.2	6.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	600.8	13.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	269.6	9.7	3.2	3.2	0.0	0.0	3.2	3.2	0.0	0.0
82.5°	58.5	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.0	6.5	3.2	3.2	0.0	0.0	3.2	3.2	0.0	0.0
87.5°	35.7	3.2	3.2	3.2	0.0	0.0	0.0	3.2	0.0	0.0
90°	35.7	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	42.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	39.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	29.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	19.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	9.7	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: P691812

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-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	0.0	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°	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	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°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.2	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°	3.2	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°	3.2	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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	0.0	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)