

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: P690905

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9244 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

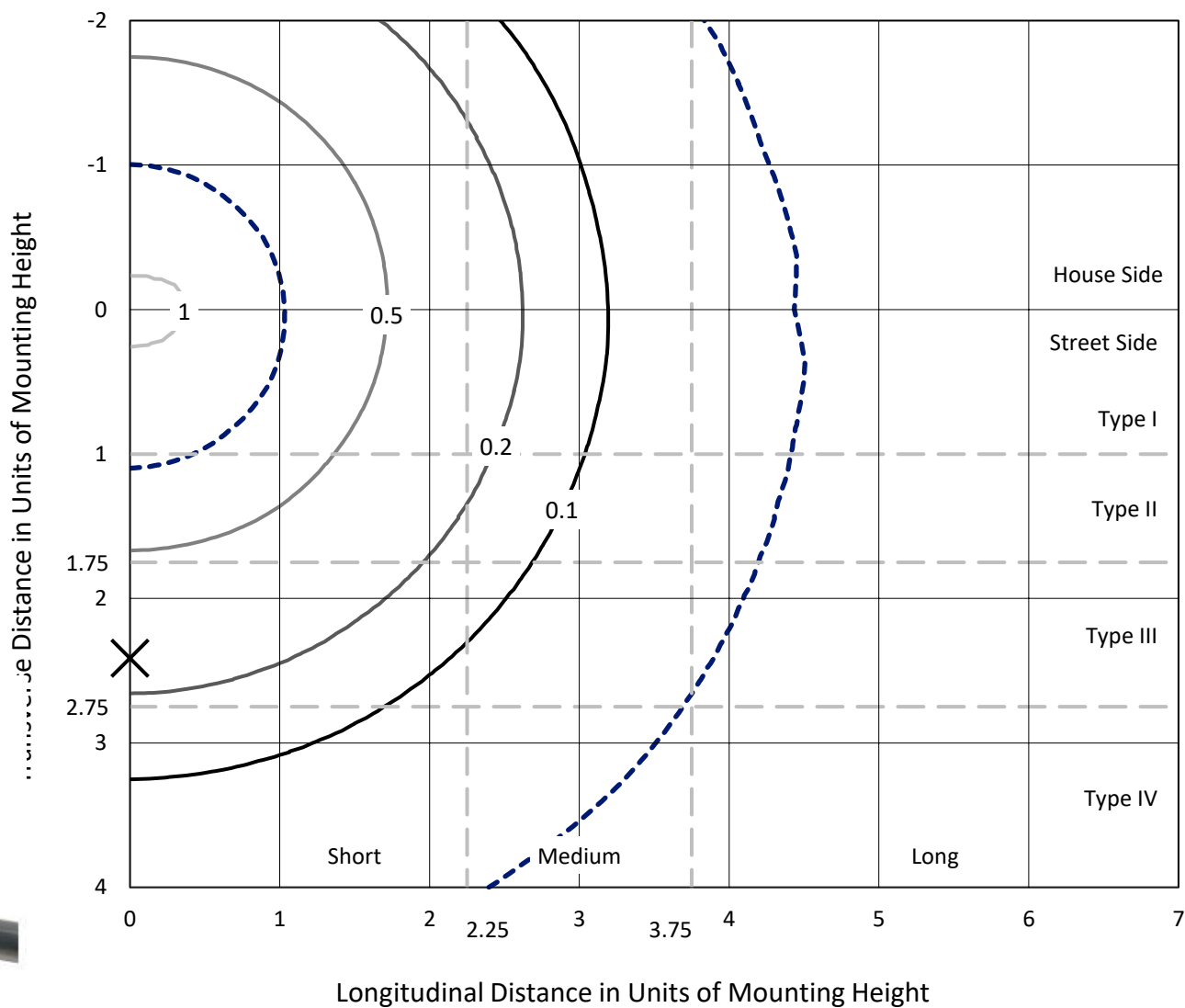
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

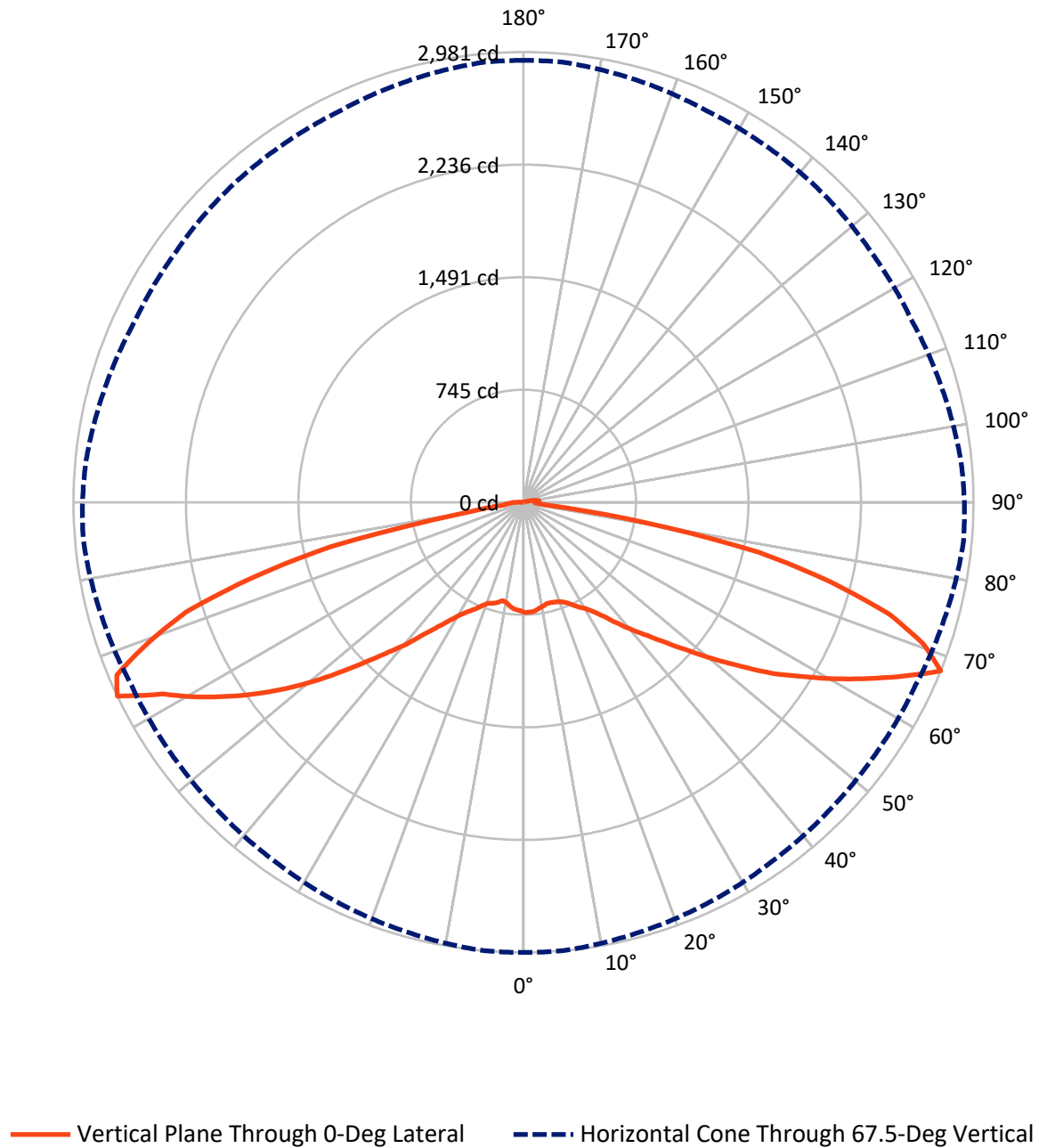
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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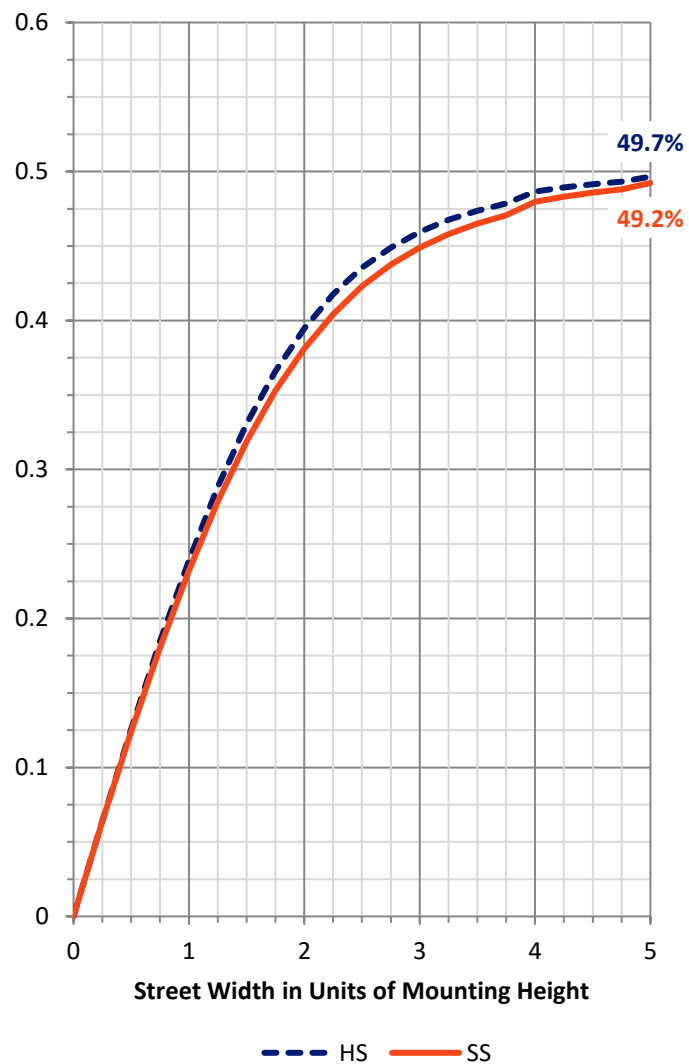
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4576.9	43.4	4620.2
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4562.4	61.4	4623.7
	% Fixture	49.4	0.7	50.0
Total	Lumens	9139.3	104.7	9244.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	0.7
10°-20°	201.2	2.2
20°-30°	363.6	3.9
30°-40°	627.0	6.8
40°-50°	1112.4	12.0
50°-60°	1893.7	20.5
60°-70°	2713.1	29.4
70°-80°	1972.7	21.3
80°-90°	187.3	2.0
90°-100°	84.5	0.9
100°-110°	20.2	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9139.3	98.9
0°-180°	9244.0	100.0

Coefficient of Utilization



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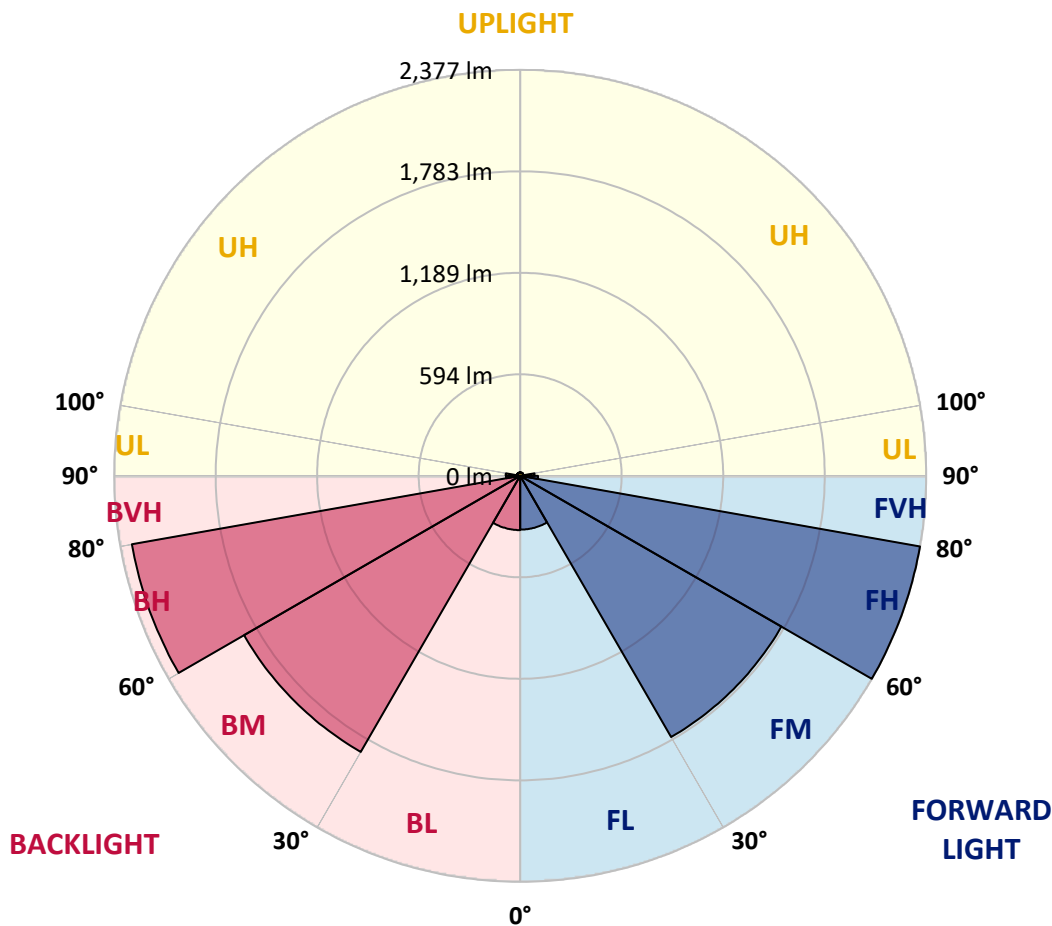
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.0	3.4			
FM	(30°-60°)	1766.1	19.1			
FH	(60°-80°)	2377.3	25.7			G2/5000
FVH	(80°-90°)	104.0	1.1			G2/225
BL	(0°-30°)	318.0	3.4	B1/500		
BM	(30°-60°)	1867.1	20.2	B2/2500		
BH	(60°-80°)	2308.6	25.0	B3/2500		G2/5000
BVH	(80°-90°)	83.3	0.9			G1/100
UL	(90°-100°)	84.5	0.9		U3/500	
UH	(100°-180°)	20.2	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7
2.5°	728.7	728.7	728.7	728.7	728.7	728.7	725.8	720.1	720.1	720.1	720.1
5°	725.8	725.8	725.8	725.8	728.7	728.7	728.7	723.0	723.0	723.0	723.0
7.5°	711.4	711.4	714.3	714.3	717.2	720.1	717.2	717.2	717.2	720.1	720.1
10°	699.9	699.9	702.8	702.8	705.7	705.7	711.4	711.4	714.3	717.2	717.2
12.5°	688.4	688.4	691.3	697.0	699.9	702.8	705.7	708.5	714.3	717.2	717.2
15°	688.4	688.4	688.4	694.1	702.8	708.5	711.4	717.2	723.0	725.8	728.7
17.5°	694.1	694.1	694.1	699.9	705.7	714.3	723.0	725.8	731.6	737.4	737.4
20°	702.8	702.8	705.7	711.4	720.1	725.8	731.6	740.2	746.0	751.8	754.6
22.5°	720.1	723.0	723.0	725.8	734.5	743.1	748.9	754.6	763.3	769.0	774.8
25°	751.8	748.9	748.9	754.6	760.4	769.0	771.9	777.7	786.3	795.0	797.8
27.5°	786.3	783.4	783.4	789.2	795.0	800.7	803.6	812.2	820.9	829.5	832.4
30°	818.0	818.0	820.9	826.6	832.4	841.0	843.9	852.6	858.3	869.8	869.8
32.5°	867.0	869.8	872.7	875.6	881.4	890.0	898.6	901.5	907.3	915.9	921.7
35°	933.2	939.0	939.0	941.9	956.3	964.9	959.1	967.8	976.4	987.9	993.7
37.5°	1019.6	1016.7	1025.4	1036.9	1039.8	1048.4	1045.5	1051.3	1062.8	1077.2	1085.9
40°	1111.8	1114.7	1114.7	1117.5	1126.2	1129.1	1140.6	1149.2	1160.8	1180.9	1186.7
42.5°	1206.8	1212.6	1218.4	1221.2	1235.6	1238.5	1247.2	1258.7	1273.1	1287.5	1293.2
45°	1324.9	1322.0	1336.4	1342.2	1356.6	1373.9	1373.9	1379.7	1402.7	1417.1	1425.7
47.5°	1466.1	1471.8	1480.5	1489.1	1512.1	1515.0	1529.4	1538.1	1552.5	1566.9	1569.8
50°	1630.2	1630.2	1638.9	1656.2	1670.6	1685.0	1693.6	1705.1	1716.6	1739.7	1751.2
52.5°	1803.1	1805.9	1817.5	1834.7	1857.8	1860.7	1869.3	1889.5	1898.1	1903.9	1924.0
55°	1998.9	1990.3	1998.9	2024.8	2050.8	2047.9	2050.8	2073.8	2088.2	2099.7	2105.5
57.5°	2177.5	2177.5	2186.1	2206.3	2212.1	2220.7	2223.6	2243.7	2261.0	2275.4	2278.3
60°	2373.4	2370.5	2376.2	2393.5	2413.7	2413.7	2410.8	2431.0	2448.2	2451.1	2471.3
62.5°	2569.2	2560.6	2566.3	2577.9	2589.4	2577.9	2589.4	2606.7	2621.1	2632.6	2638.3
65°	2773.7	2762.2	2765.1	2753.5	2736.3	2721.9	2747.8	2796.8	2840.0	2863.0	2865.9
67.5°	2981.1	2981.1	2949.4	2920.6	2891.8	2874.5	2865.9	2865.9	2894.7	2926.4	2920.6
70°	2811.2	2816.9	2791.0	2770.8	2724.7	2710.3	2701.7	2672.9	2687.3	2695.9	2675.8
72.5°	2534.6	2503.0	2491.4	2482.8	2448.2	2422.3	2393.5	2373.4	2364.7	2370.5	2347.4
75°	2094.0	2157.3	2122.8	2105.5	2082.4	2070.9	1996.0	1973.0	1970.1	1993.2	1993.2
77.5°	1592.8	1627.4	1604.3	1613.0	1578.4	1572.6	1543.8	1517.9	1497.7	1492.0	1434.4
80°	826.6	852.6	858.3	887.1	881.4	864.1	843.9	769.0	748.9	760.4	705.7
82.5°	149.8	155.5	158.4	161.3	149.8	155.5	158.4	144.0	152.7	149.8	144.0
85°	86.4	86.4	89.3	89.3	83.5	77.8	83.5	80.6	80.6	86.4	86.4
87.5°	74.9	77.8	80.6	80.6	72.0	66.2	72.0	72.0	74.9	77.8	77.8
90°	77.8	77.8	83.5	83.5	74.9	69.1	77.8	80.6	80.6	80.6	83.5
92.5°	103.7	100.8	103.7	103.7	95.0	89.3	100.8	100.8	100.8	100.8	103.7
95°	100.8	97.9	100.8	97.9	92.2	86.4	95.0	97.9	97.9	97.9	100.8
97.5°	86.4	86.4	86.4	86.4	77.8	74.9	86.4	86.4	83.5	83.5	86.4
100°	66.2	63.4	63.4	63.4	60.5	60.5	66.2	63.4	60.5	63.4	66.2
102.5°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	40.3	40.3	40.3	46.1
105°	25.9	25.9	23.0	23.0	23.0	23.0	23.0	20.2	20.2	20.2	25.9
107.5°	8.6	8.6	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	8.6
110°	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):

	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	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	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	0.0
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	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	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	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	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	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7
2.5°	723.0	723.0	725.8	723.0	723.0	720.1	717.2	714.3	717.2	717.2
5°	723.0	725.8	723.0	720.1	717.2	714.3	714.3	708.5	708.5	711.4
7.5°	720.1	725.8	720.1	717.2	708.5	705.7	702.8	697.0	697.0	697.0
10°	717.2	717.2	714.3	702.8	697.0	688.4	685.5	679.7	676.9	674.0
12.5°	717.2	717.2	708.5	699.9	691.3	679.7	676.9	671.1	668.2	665.3
15°	725.8	728.7	723.0	711.4	697.0	694.1	685.5	682.6	679.7	685.5
17.5°	740.2	737.4	731.6	720.1	711.4	708.5	697.0	697.0	694.1	699.9
20°	754.6	748.9	743.1	737.4	725.8	720.1	720.1	711.4	714.3	708.5
22.5°	771.9	774.8	766.2	757.5	748.9	746.0	743.1	743.1	740.2	740.2
25°	800.7	800.7	795.0	786.3	780.6	774.8	771.9	774.8	769.0	777.7
27.5°	835.3	832.4	832.4	826.6	818.0	815.1	812.2	815.1	812.2	812.2
30°	869.8	875.6	869.8	867.0	861.2	861.2	858.3	858.3	861.2	858.3
32.5°	924.6	927.5	927.5	924.6	918.8	915.9	915.9	918.8	924.6	921.7
35°	996.6	999.5	1005.2	1011.0	1011.0	1005.2	999.5	996.6	999.5	999.5
37.5°	1091.6	1094.5	1100.3	1100.3	1097.4	1094.5	1097.4	1103.1	1091.6	1091.6
40°	1189.6	1186.7	1192.4	1198.2	1201.1	1198.2	1195.3	1201.1	1206.8	1215.5
42.5°	1299.0	1304.8	1307.6	1319.2	1324.9	1324.9	1322.0	1330.7	1333.6	1333.6
45°	1428.6	1443.0	1437.3	1457.4	1474.7	1477.6	1468.9	1474.7	1468.9	1474.7
47.5°	1578.4	1589.9	1601.4	1618.7	1627.4	1633.1	1630.2	1636.0	1641.8	1641.8
50°	1748.3	1757.0	1777.1	1800.2	1814.6	1814.6	1803.1	1814.6	1826.1	1823.2
52.5°	1926.9	1944.2	1964.4	1984.5	1996.0	1998.9	1998.9	2007.6	2004.7	2004.7
55°	2114.1	2128.5	2154.4	2166.0	2180.4	2186.1	2186.1	2189.0	2186.1	2186.1
57.5°	2292.7	2310.0	2330.1	2353.2	2367.6	2373.4	2367.6	2367.6	2367.6	2361.8
60°	2477.0	2488.6	2508.7	2526.0	2534.6	2546.2	2546.2	2543.3	2540.4	2537.5
62.5°	2647.0	2652.7	2658.5	2661.4	2670.0	2693.1	2693.1	2707.5	2707.5	2704.6
65°	2868.8	2842.8	2819.8	2825.6	2845.7	2865.9	2883.2	2940.8	2969.6	2981.1
67.5°	2912.0	2874.5	2840.0	2837.1	2848.6	2854.4	2863.0	2894.7	2926.4	2926.4
70°	2658.5	2635.5	2603.8	2618.2	2626.8	2618.2	2629.7	2649.9	2678.7	2652.7
72.5°	2330.1	2292.7	2315.7	2330.1	2315.7	2304.2	2310.0	2307.1	2327.3	2347.4
75°	1967.2	1889.5	1889.5	1889.5	1895.2	1869.3	1869.3	1872.2	1909.6	1857.8
77.5°	1457.4	1402.7	1388.3	1330.7	1324.9	1290.4	1313.4	1299.0	1333.6	1313.4
80°	679.7	656.7	648.1	590.5	578.9	486.8	521.3	463.7	481.0	432.0
82.5°	141.1	138.3	135.4	121.0	109.5	95.0	112.3	126.7	129.6	126.7
85°	89.3	92.2	92.2	86.4	80.6	72.0	86.4	106.6	112.3	112.3
87.5°	77.8	80.6	80.6	77.8	72.0	63.4	72.0	80.6	83.5	80.6
90°	83.5	86.4	83.5	80.6	74.9	66.2	74.9	77.8	63.4	66.2
92.5°	100.8	100.8	97.9	97.9	95.0	83.5	92.2	74.9	28.8	8.6
95°	97.9	95.0	95.0	92.2	89.3	74.9	74.9	20.2	0.0	0.0
97.5°	83.5	77.8	77.8	74.9	74.9	63.4	46.1	0.0	0.0	0.0
100°	63.4	54.7	54.7	51.8	51.8	43.2	17.3	0.0	0.0	0.0
102.5°	43.2	34.6	31.7	28.8	28.8	25.9	2.9	0.0	0.0	0.0
105°	23.0	14.4	11.5	8.6	8.6	5.8	0.0	0.0	0.0	0.0
107.5°	8.6	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



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 CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	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
132.5°	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
137.5°	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
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	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°	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
160°	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
165°	0.0	0.0	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	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
177.5°	0.0	0.0	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)