

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: P690879

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - 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

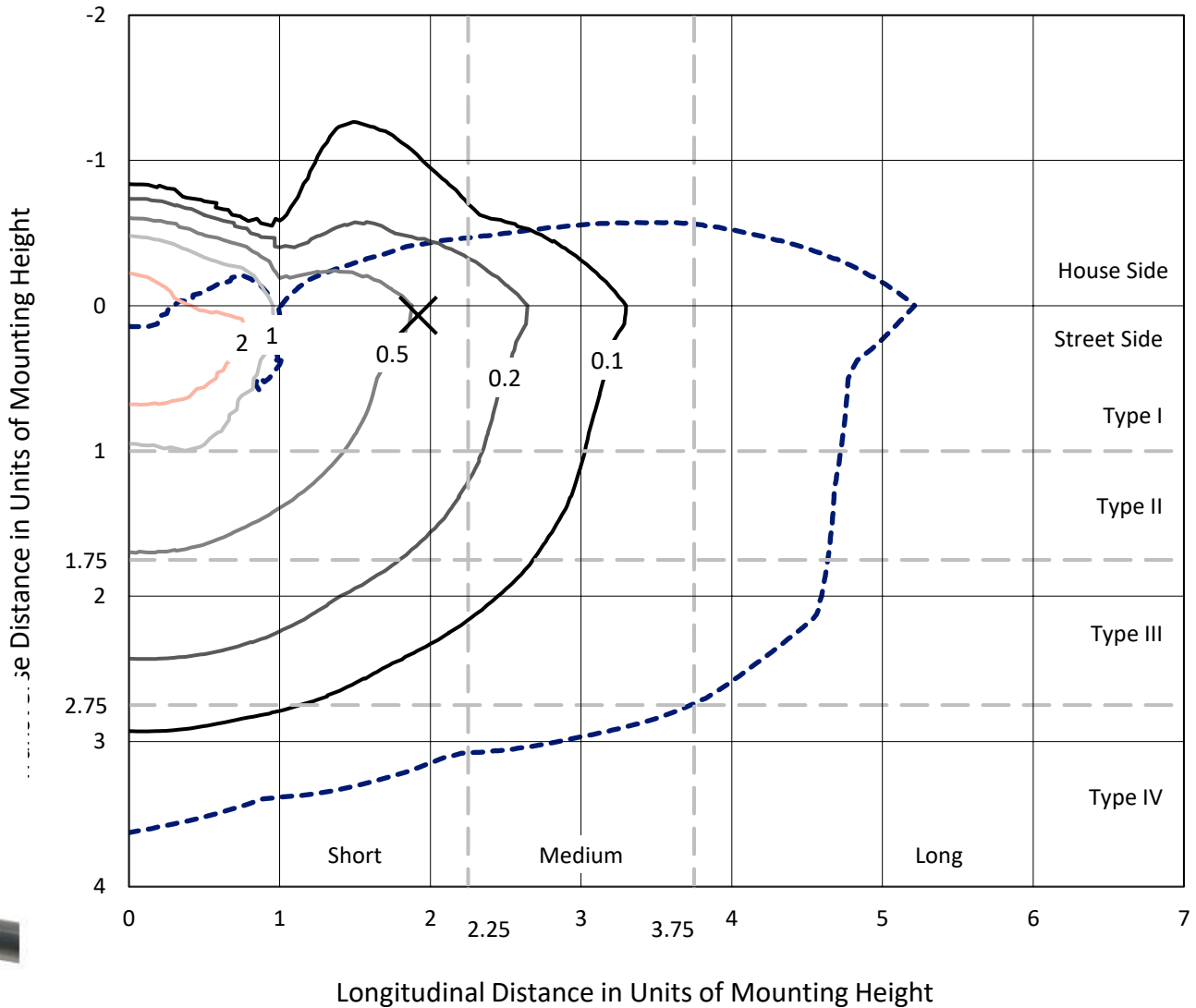


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Iso-Footcandle Lines of Horizontal Illumination

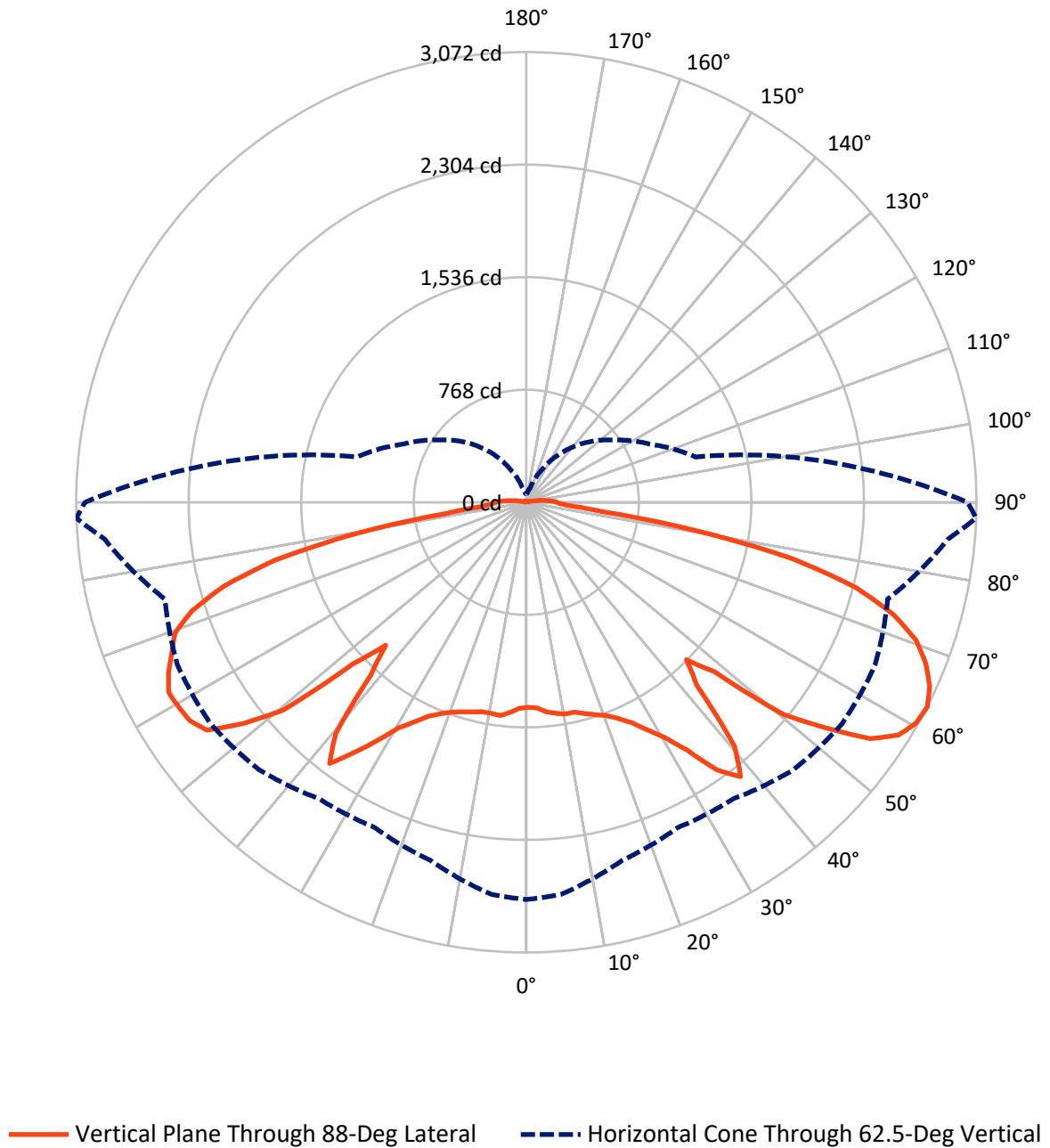
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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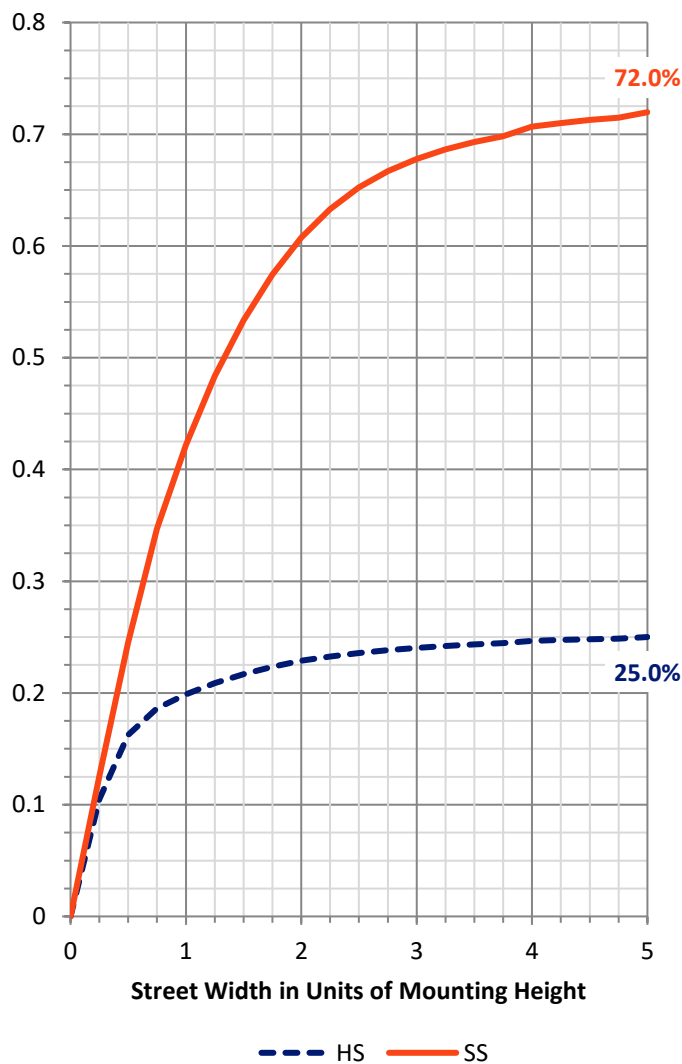
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1935.3	36.5	1971.7
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5545.3	89.9	5635.3
	% Fixture	72.9	1.2	74.1
Total	Lumens	7480.6	126.4	7607.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	1.8
10°-20°	420.9	5.5
20°-30°	713.0	9.4
30°-40°	984.2	12.9
40°-50°	851.2	11.2
50°-60°	1232.3	16.2
60°-70°	1613.1	21.2
70°-80°	1223.0	16.1
80°-90°	305.1	4.0
90°-100°	89.7	1.2
100°-110°	20.8	0.3
110°-120°	9.3	0.1
120°-130°	6.0	0.1
130°-140°	0.5	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°	7480.6	98.3
0°-180°	7607.0	100.0

Coefficient of Utilization



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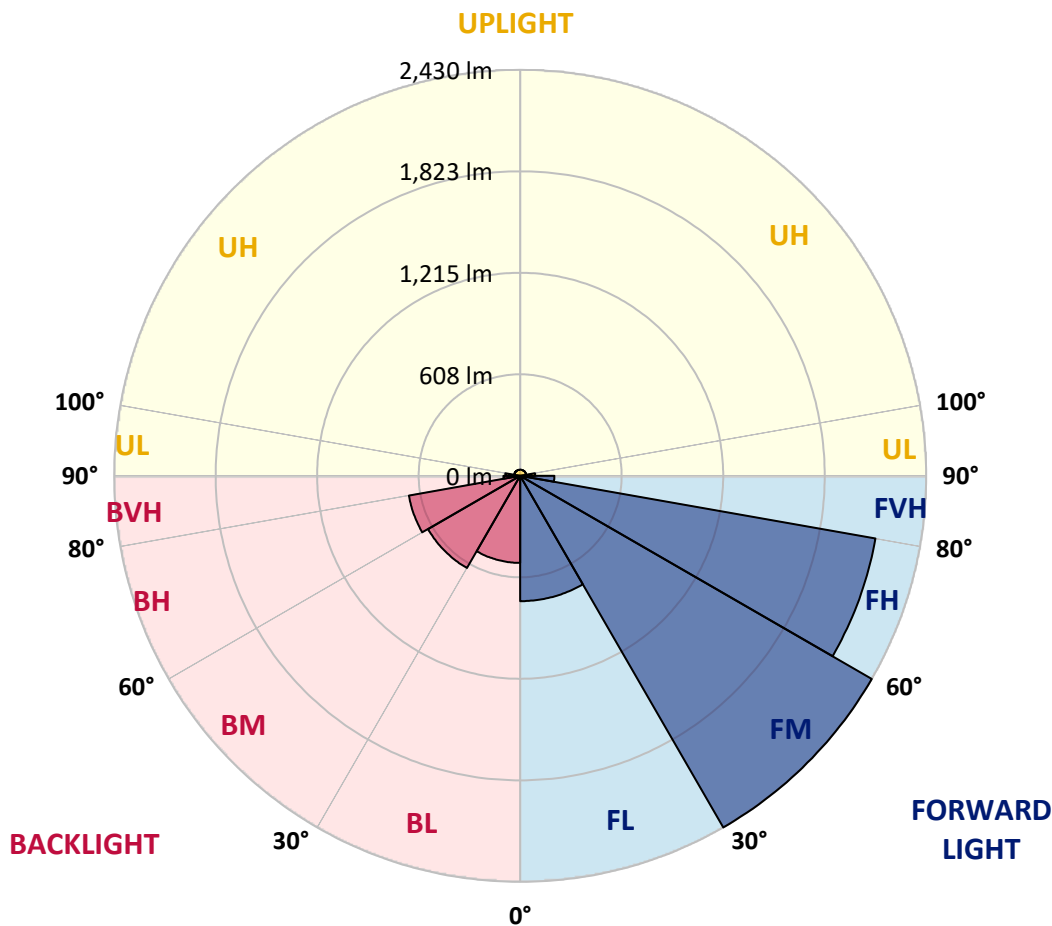
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.5	9.9			
FM (30°-60°)	2430.4	31.9			
FH (60°-80°)	2159.5	28.4			G2/5000
FVH (80°-90°)	204.9	2.7			G2/225
BL (0°-30°)	521.3	6.9	B2/1000		
BM (30°-60°)	637.2	8.4	B1/1000		
BH (60°-80°)	676.6	8.9	B2/1000		G2/1000
BVH (80°-90°)	100.2	1.3			G2/225
UL (90°-100°)	89.7	1.2		U3/500	
UH (100°-180°)	36.7	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1384.3	1384.3	1381.4	1384.3	1390.2	1396.0	1390.2	1393.1	1396.0	1401.8	1404.7
5°	1436.8	1433.9	1428.0	1422.2	1416.4	1416.4	1410.6	1407.6	1413.5	1431.0	1436.8
7.5°	1480.5	1471.8	1465.9	1468.8	1460.1	1445.5	1433.9	1428.0	1422.2	1445.5	1454.3
10°	1550.4	1544.6	1524.2	1506.7	1495.1	1471.8	1445.5	1442.6	1439.7	1463.0	1468.8
12.5°	1620.4	1614.6	1602.9	1585.4	1547.5	1527.1	1486.3	1468.8	1465.9	1480.5	1468.8
15°	1722.4	1710.7	1678.7	1661.2	1623.3	1591.2	1541.7	1515.5	1521.3	1500.9	1495.1
17.5°	1780.7	1774.9	1771.9	1745.7	1716.6	1661.2	1614.6	1576.7	1588.3	1541.7	1524.2
20°	1844.8	1841.9	1847.7	1850.6	1812.7	1763.2	1704.9	1646.6	1649.5	1588.3	1553.4
22.5°	1926.4	1917.7	1929.3	1943.9	1911.8	1871.0	1795.3	1748.6	1725.3	1643.7	1602.9
25°	2022.6	2019.7	2019.7	2045.9	2040.1	1984.7	1911.8	1859.4	1836.1	1725.3	1664.1
27.5°	2121.7	2124.6	2130.4	2147.9	2156.6	2124.6	2054.6	2008.0	1964.3	1818.6	1757.4
30°	2185.8	2185.8	2226.6	2252.8	2264.5	2264.5	2179.9	2145.0	2101.3	1938.1	1862.3
32.5°	2264.5	2270.3	2308.2	2351.9	2369.4	2392.7	2322.8	2296.5	2258.6	2086.7	2016.7
35°	2319.8	2328.6	2386.9	2453.9	2500.5	2512.2	2471.4	2483.0	2465.6	2282.0	2244.1
37.5°	2077.9	2101.3	2188.7	2319.8	2445.2	2567.6	2611.3	2669.6	2678.3	2465.6	2375.2
40°	1809.8	1818.6	1917.7	2013.8	2168.3	2267.4	2378.1	2506.4	2436.4	2206.2	2188.7
42.5°	1605.8	1643.7	1780.7	1853.5	1973.0	1996.3	1941.0	1859.4	1734.1	1713.7	1704.9
45°	1570.8	1608.7	1745.7	1865.2	1923.5	1637.9	1483.4	1375.6	1425.1	1547.5	1533.0
47.5°	1734.1	1780.7	1923.5	2060.5	1941.0	1623.3	1521.3	1518.4	1477.6	1687.4	1725.3
50°	1833.1	1871.0	2037.1	2034.2	1938.1	1783.6	1839.0	1777.8	1704.9	2063.4	2276.1
52.5°	1882.7	1917.7	1975.9	2048.8	2057.5	2045.9	2060.5	2010.9	1900.2	2395.6	2555.9
55°	1745.7	1833.1	2086.7	2212.0	2264.5	2232.4	2241.2	2206.2	2133.3	2602.5	2847.3
57.5°	2185.8	2232.4	2325.7	2357.7	2389.8	2375.2	2386.9	2375.2	2308.2	2757.0	2996.0
60°	2439.3	2439.3	2480.1	2427.7	2445.2	2494.7	2529.7	2529.7	2459.7	2870.7	3057.2
62.5°	2710.4	2687.1	2529.7	2448.1	2468.5	2579.2	2631.7	2625.8	2553.0	2888.1	3071.7
65°	2657.9	2617.1	2561.7	2384.0	2407.3	2561.7	2634.6	2631.7	2555.9	2824.0	3025.1
67.5°	2267.4	2305.3	2372.3	2357.7	2299.4	2477.2	2590.9	2596.7	2509.3	2716.2	2940.6
70°	1964.3	1987.6	2028.4	2150.8	2177.0	2360.6	2541.3	2567.6	2451.0	2590.9	2821.1
72.5°	1710.7	1725.3	1693.2	1818.6	1911.8	2153.7	2366.5	2416.0	2296.5	2375.2	2620.0
75°	1463.0	1431.0	1393.1	1448.4	1521.3	1777.8	2037.1	2136.2	2031.3	2080.9	2322.8
77.5°	1136.6	1090.0	1052.1	1066.7	1133.7	1355.2	1605.8	1763.2	1669.9	1667.0	1859.4
80°	775.2	734.4	708.2	702.4	751.9	888.9	1069.6	1256.1	1174.5	1095.8	1180.3
82.5°	483.8	483.8	460.5	425.5	422.6	448.8	483.8	530.4	501.3	489.6	515.8
85°	303.1	306.0	294.4	256.5	247.7	253.6	271.0	282.7	274.0	282.7	291.4
87.5°	212.7	209.8	195.3	189.4	186.5	195.3	209.8	215.7	215.7	224.4	224.4
90°	160.3	160.3	151.5	148.6	148.6	157.4	171.9	183.6	192.3	206.9	206.9
92.5°	134.1	134.1	128.2	125.3	125.3	128.2	139.9	154.5	163.2	177.8	171.9
95°	110.7	110.7	107.8	107.8	107.8	110.7	116.6	125.3	128.2	128.2	128.2
97.5°	87.4	84.5	81.6	81.6	81.6	84.5	87.4	96.2	99.1	90.3	90.3
100°	61.2	58.3	55.4	58.3	58.3	58.3	61.2	64.1	64.1	58.3	55.4
102.5°	37.9	37.9	37.9	37.9	35.0	35.0	35.0	35.0	32.1	29.1	29.1
105°	26.2	26.2	23.3	23.3	23.3	23.3	20.4	20.4	20.4	17.5	17.5
107.5°	20.4	20.4	20.4	20.4	20.4	17.5	17.5	17.5	17.5	14.6	14.6
110°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14.6	14.6	11.7	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	17.5	17.5	17.5	17.5	17.5	14.6	14.6	14.6	14.6	11.7	11.7
115°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7
117.5°	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7	11.7	14.6	11.7
120°	14.6	14.6	14.6	14.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	14.6	14.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
125°	11.7	11.7	11.7	11.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
130°	8.7	8.7	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8	5.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9	1398.9
2.5°	1404.7	1410.6	1422.2	1436.8	1448.4	1457.2	1463.0	1468.8	1468.8	1463.0	1468.8
5°	1436.8	1442.6	1463.0	1477.6	1477.6	1468.8	1463.0	1460.1	1465.9	1468.8	1474.7
7.5°	1463.0	1468.8	1460.1	1465.9	1471.8	1463.0	1451.4	1442.6	1433.9	1425.1	1431.0
10°	1465.9	1451.4	1451.4	1445.5	1425.1	1428.0	1425.1	1410.6	1398.9	1401.8	1404.7
12.5°	1463.0	1457.2	1433.9	1422.2	1413.5	1384.3	1372.7	1381.4	1363.9	1372.7	1361.0
15°	1489.2	1460.1	1436.8	1407.6	1375.6	1361.0	1340.6	1311.5	1299.8	1302.7	1305.6
17.5°	1506.7	1477.6	1422.2	1369.8	1352.3	1305.6	1282.3	1267.8	1247.4	1250.3	1261.9
20°	1535.9	1492.2	1413.5	1358.1	1273.6	1241.5	1212.4	1194.9	1177.4	1151.2	1139.5
22.5°	1576.7	1521.3	1401.8	1299.8	1227.0	1171.6	1107.5	1063.7	1040.4	1022.9	1020.0
25°	1629.1	1565.0	1404.7	1273.6	1157.0	1075.4	1020.0	944.3	888.9	883.1	891.8
27.5°	1725.3	1614.6	1422.2	1232.8	1098.7	973.4	871.4	818.9	754.8	740.3	740.3
30°	1818.6	1693.2	1410.6	1197.8	999.6	859.7	722.8	623.7	588.7	562.5	559.6
32.5°	1990.5	1804.0	1471.8	1145.3	909.3	690.7	539.2	431.3	408.0	399.3	396.4
35°	2147.9	1955.5	1477.6	1078.3	775.2	536.2	387.6	314.8	300.2	291.4	288.5
37.5°	2316.9	2101.3	1535.9	1022.9	644.1	378.9	279.8	224.4	206.9	195.3	189.4
40°	2121.7	1926.4	1509.6	929.7	478.0	241.9	174.9	122.4	104.9	104.9	104.9
42.5°	1661.2	1463.0	1142.4	751.9	279.8	139.9	87.4	84.5	87.4	90.3	90.3
45°	1471.8	1212.4	699.4	399.3	116.6	78.7	69.9	67.0	75.8	84.5	87.4
47.5°	1731.1	1442.6	539.2	279.8	125.3	78.7	64.1	64.1	61.2	55.4	55.4
50°	2340.2	1946.8	617.8	320.6	157.4	87.4	64.1	55.4	55.4	58.3	61.2
52.5°	2640.4	2168.3	728.6	416.8	230.2	119.5	69.9	55.4	49.5	40.8	40.8
55°	2899.8	2343.2	862.7	539.2	338.1	186.5	99.1	58.3	49.5	40.8	37.9
57.5°	2984.3	2363.6	1005.5	679.0	460.5	291.4	171.9	81.6	52.5	43.7	40.8
60°	2996.0	2386.9	1113.3	827.7	600.4	425.5	282.7	148.6	67.0	52.5	49.5
62.5°	3010.5	2392.7	1194.9	935.5	740.3	577.0	408.0	236.1	102.0	61.2	58.3
65°	2958.1	2322.8	1174.5	912.2	781.1	638.2	469.2	276.9	116.6	69.9	67.0
67.5°	2870.7	2261.6	1090.0	839.3	705.3	556.6	402.2	224.4	107.8	81.6	78.7
70°	2800.7	2200.4	1046.3	833.5	652.8	486.7	323.5	163.2	128.2	110.7	104.9
72.5°	2628.8	2054.6	1011.3	830.6	652.8	475.0	314.8	174.9	174.9	177.8	166.1
75°	2340.2	1836.1	958.8	807.3	638.2	472.1	303.1	189.4	189.4	169.0	160.3
77.5°	1932.2	1503.8	848.1	737.3	580.0	416.8	247.7	157.4	151.5	131.1	125.3
80°	1279.4	1078.3	676.1	609.1	478.0	335.2	183.6	122.4	113.7	96.2	90.3
82.5°	574.1	515.8	428.4	431.3	343.9	239.0	125.3	84.5	78.7	64.1	61.2
85°	314.8	297.3	233.1	204.0	174.9	125.3	72.9	55.4	46.6	35.0	35.0
87.5°	239.0	230.2	171.9	134.1	102.0	72.9	46.6	35.0	26.2	17.5	14.6
90°	218.6	206.9	139.9	107.8	81.6	58.3	37.9	23.3	17.5	11.7	8.7
92.5°	183.6	174.9	113.7	90.3	69.9	52.5	32.1	17.5	11.7	5.8	5.8
95°	134.1	131.1	84.5	69.9	55.4	43.7	26.2	14.6	8.7	5.8	2.9
97.5°	90.3	87.4	61.2	52.5	43.7	32.1	20.4	11.7	5.8	2.9	2.9
100°	55.4	55.4	37.9	35.0	29.1	23.3	14.6	8.7	5.8	2.9	2.9
102.5°	29.1	26.2	20.4	20.4	17.5	14.6	11.7	5.8	2.9	0.0	0.0
105°	17.5	14.6	14.6	11.7	11.7	8.7	8.7	5.8	2.9	0.0	0.0
107.5°	14.6	11.7	11.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0
110°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
115°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
117.5°	11.7	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
120°	11.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
122.5°	11.7	8.7	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.7	5.8	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.7	5.8	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
130°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	2.9	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

(END OF REPORT)