

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: P690839

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7257 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - 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

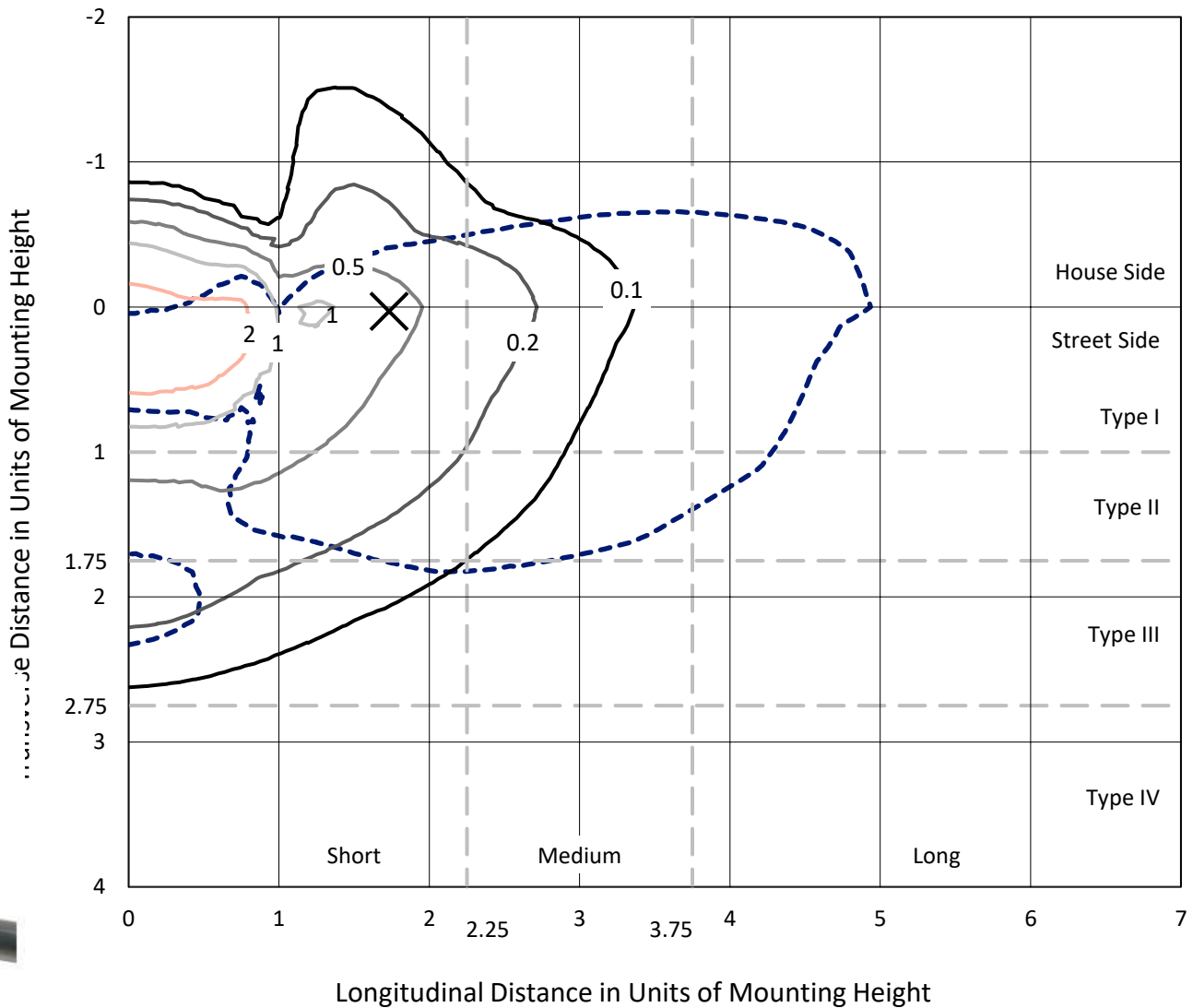


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

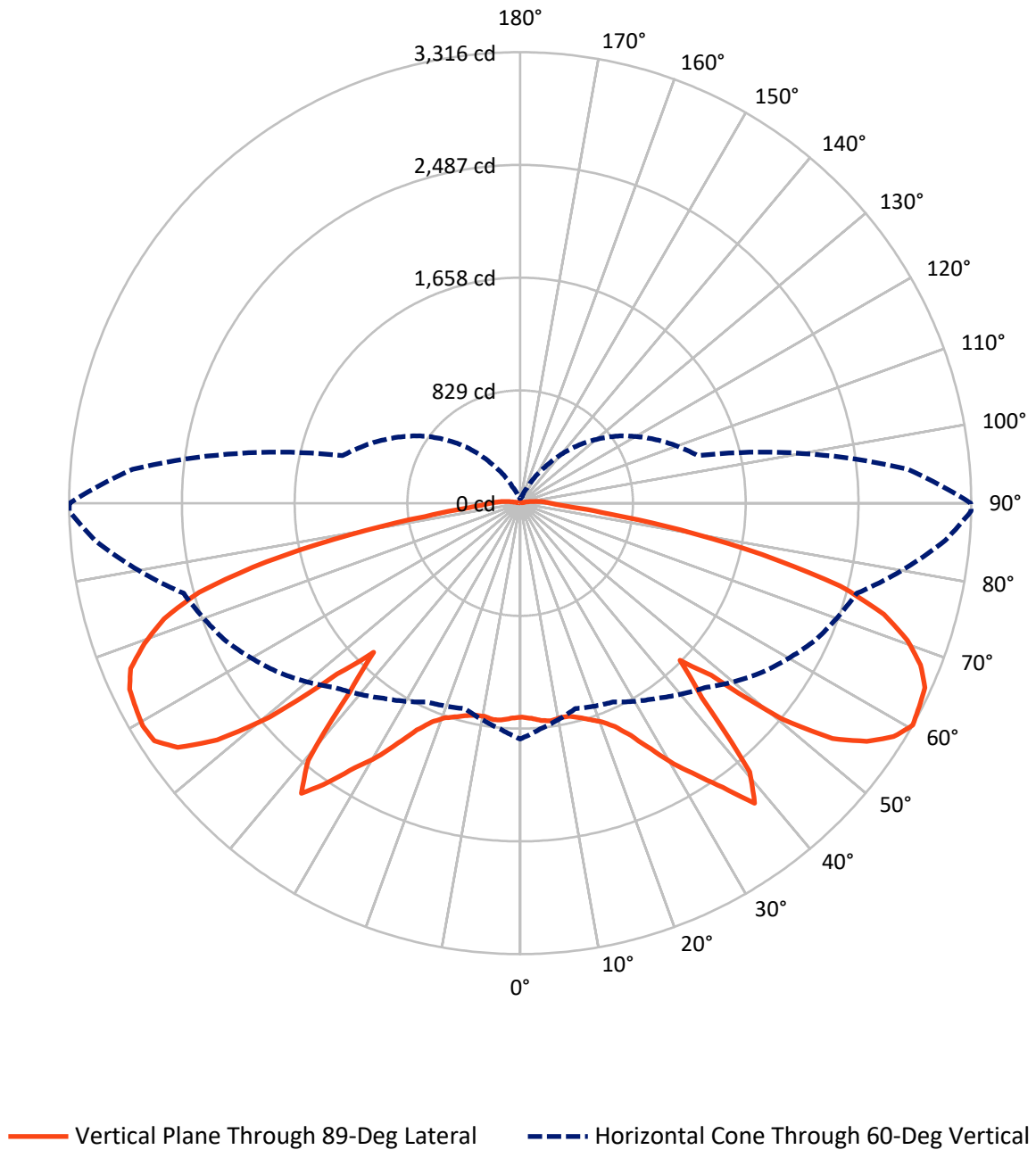


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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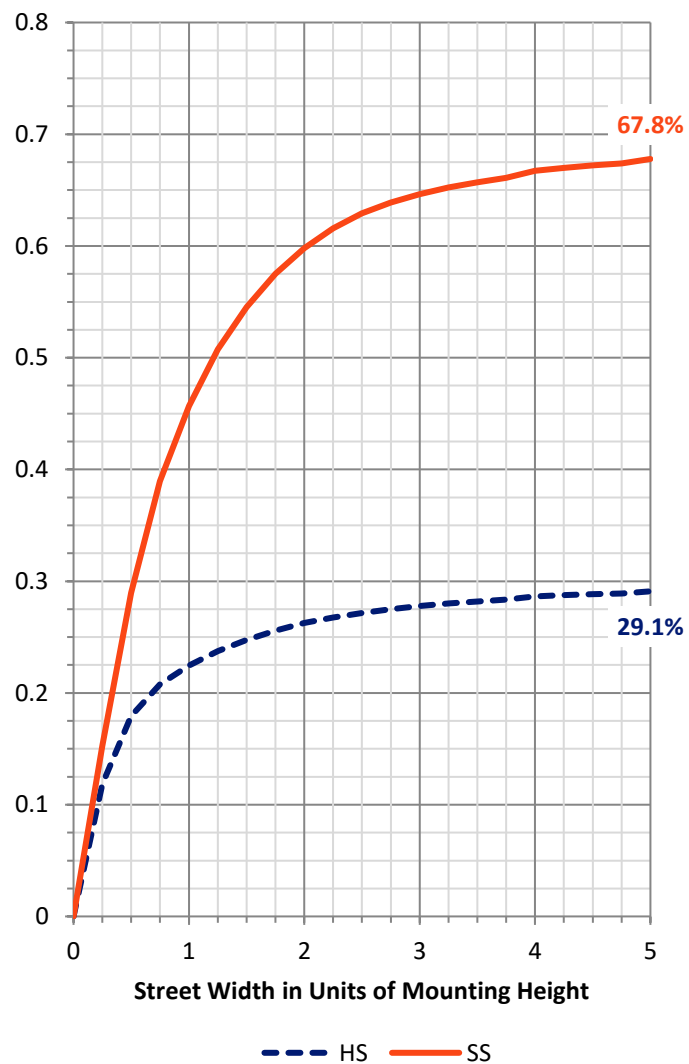
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2154.3	40.5	2194.8
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4984.2	78.0	5062.2
	% Fixture	68.7	1.1	69.8
Total	Lumens	7138.6	118.4	7257.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	2.1
10°-20°	446.4	6.2
20°-30°	736.7	10.2
30°-40°	999.4	13.8
40°-50°	832.5	11.5
50°-60°	1152.8	15.9
60°-70°	1420.9	19.6
70°-80°	1075.9	14.8
80°-90°	322.8	4.4
90°-100°	83.7	1.2
100°-110°	19.1	0.3
110°-120°	9.0	0.1
120°-130°	6.1	0.1
130°-140°	0.6	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°	7138.6	98.4
0°-180°	7257.0	100.0

Coefficient of Utilization



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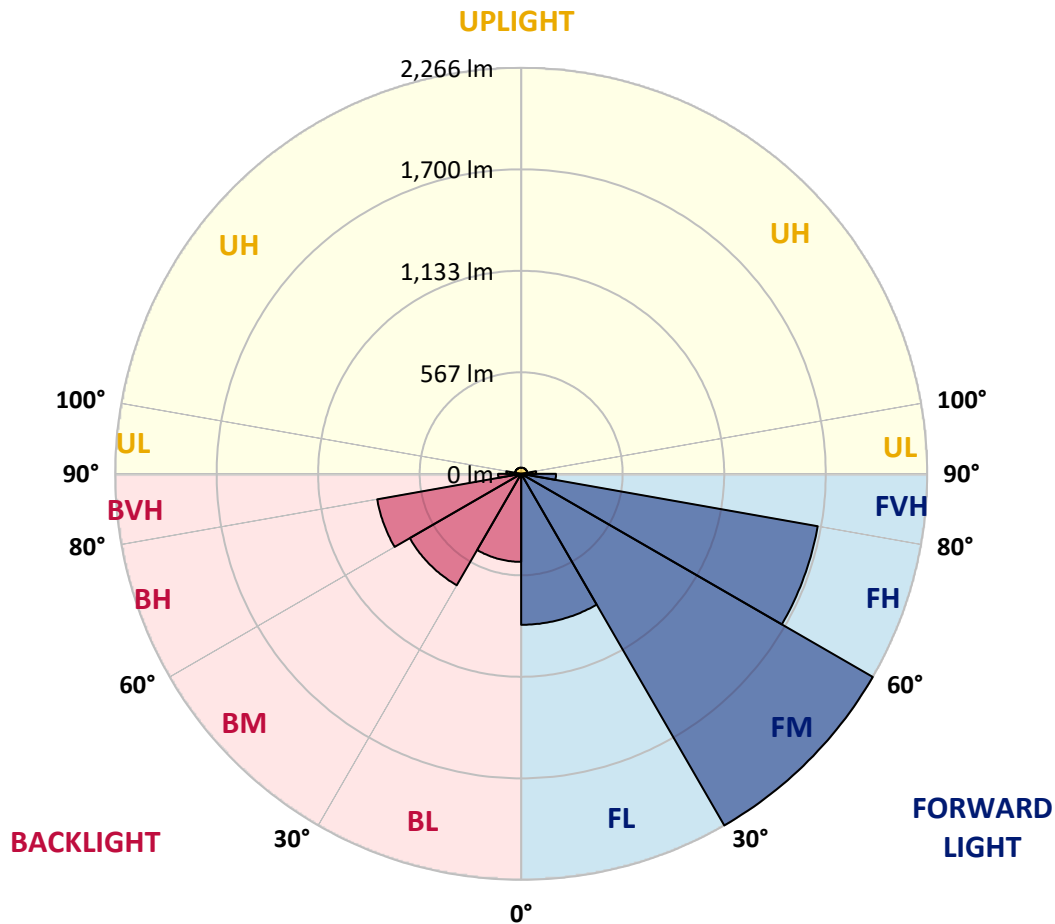
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	842.9	11.6			
FM	(30°-60°)	2266.4	31.2			
FH	(60°-80°)	1680.7	23.2			G1/1800
FVH	(80°-90°)	194.1	2.7			G2/225
BL	(0°-30°)	491.4	6.8	B1/500		
BM	(30°-60°)	718.3	9.9	B1/1000		
BH	(60°-80°)	816.0	11.2	B2/1000		G2/1000
BVH	(80°-90°)	128.7	1.8			G2/225
UL	(90°-100°)	83.7	1.2		U3/500	
UH	(100°-180°)	34.7	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9
2.5°	1650.7	1642.0	1642.0	1642.0	1624.7	1624.7	1613.2	1607.4	1595.9	1587.3	1584.4
5°	1745.7	1740.0	1740.0	1737.1	1719.8	1708.3	1685.2	1665.1	1647.8	1619.0	1604.6
7.5°	1820.6	1812.0	1812.0	1809.1	1791.8	1777.4	1751.5	1705.4	1670.8	1639.1	1616.1
10°	1846.5	1843.7	1840.8	1832.1	1817.7	1806.2	1783.2	1740.0	1685.2	1633.4	1604.6
12.5°	1895.5	1895.5	1886.9	1875.4	1863.8	1852.3	1820.6	1786.1	1725.6	1644.9	1607.4
15°	1958.9	1953.1	1947.4	1941.6	1933.0	1915.7	1886.9	1843.7	1774.5	1676.6	1636.3
17.5°	1984.8	1981.9	1981.9	1984.8	1981.9	1970.4	1964.7	1915.7	1843.7	1719.8	1673.7
20°	1990.6	1993.5	1999.2	2019.4	2025.2	2019.4	2028.0	1999.2	1915.7	1777.4	1716.9
22.5°	2025.2	2030.9	2042.4	2062.6	2071.2	2079.9	2088.5	2111.6	2028.0	1866.7	1783.2
25°	2010.8	2016.5	2051.1	2082.8	2114.5	2140.4	2195.1	2247.0	2186.5	1999.2	1892.6
27.5°	1973.3	1984.8	2045.3	2108.7	2186.5	2255.6	2356.4	2419.8	2370.8	2166.3	2045.3
30°	2005.0	2005.0	2045.3	2137.5	2238.3	2393.9	2526.4	2598.4	2563.9	2327.6	2223.9
32.5°	1938.7	1956.0	2039.6	2177.8	2333.4	2532.2	2661.8	2788.5	2800.1	2543.7	2382.4
35°	1734.2	1763.0	1832.1	2016.5	2255.6	2601.3	2828.9	2998.8	3053.6	2803.0	2566.7
37.5°	1428.8	1449.0	1570.0	1754.4	2039.6	2370.8	2736.7	3122.7	3275.4	2970.0	2800.1
40°	1264.6	1279.0	1351.1	1503.7	1765.9	2085.6	2373.7	2745.3	2828.9	2710.8	2598.4
42.5°	1209.9	1233.0	1322.3	1463.4	1676.6	1901.3	1947.4	2085.6	2042.4	2056.8	1958.9
45°	1284.8	1293.4	1359.7	1483.6	1613.2	1673.7	1613.2	1708.3	1754.4	1745.7	1647.8
47.5°	1322.3	1336.7	1408.7	1567.1	1567.1	1570.0	1644.9	1702.5	1835.0	1958.9	1889.8
50°	1135.0	1155.2	1287.7	1414.4	1434.6	1673.7	1869.6	1981.9	2120.2	2451.5	2491.8
52.5°	1068.8	1083.2	1227.2	1480.7	1627.6	1872.5	1993.5	2097.2	2215.3	2762.6	2875.0
55°	1169.6	1195.5	1365.5	1627.6	1788.9	1935.9	2091.4	2241.2	2368.0	3007.5	3091.0
57.5°	1351.1	1400.0	1503.7	1650.7	1803.3	1935.9	2143.3	2327.6	2494.7	3102.5	3237.9
60°	1734.2	1667.9	1564.2	1613.2	1751.5	1918.6	2169.2	2391.0	2561.0	3137.1	3315.7
62.5°	1912.8	1863.8	1610.3	1544.1	1665.1	1858.1	2120.2	2391.0	2537.9	3070.9	3292.7
65°	1849.4	1809.1	1627.6	1463.4	1558.5	1774.5	2045.3	2356.4	2486.1	2987.3	3269.6
67.5°	1575.8	1535.4	1477.8	1417.3	1457.7	1691.0	1976.2	2293.1	2428.5	2918.2	3174.6
70°	1281.9	1258.9	1238.7	1284.8	1359.7	1564.2	1837.9	2151.9	2313.2	2751.1	3019.0
72.5°	1091.8	1077.4	1042.8	1088.9	1207.0	1394.3	1630.5	1944.5	2137.5	2468.8	2797.2
75°	927.6	919.0	907.4	930.5	1005.4	1181.1	1368.3	1676.6	1909.9	2154.8	2431.3
77.5°	751.9	740.3	766.3	772.0	829.7	956.4	1077.4	1333.8	1593.0	1691.0	1814.9
80°	547.3	558.9	602.1	584.8	628.0	671.2	757.6	870.0	1074.5	1184.0	1192.6
82.5°	383.1	394.7	435.0	391.8	403.3	406.2	437.9	478.2	561.7	653.9	665.4
85°	270.8	276.6	285.2	253.5	253.5	253.5	273.7	296.7	339.9	377.4	386.0
87.5°	193.0	193.0	204.5	193.0	190.1	187.2	198.8	207.4	233.3	259.3	265.0
90°	144.0	144.0	149.8	144.0	144.0	144.0	155.6	164.2	187.2	210.3	213.2
92.5°	103.7	103.7	112.3	109.5	109.5	112.3	123.9	129.6	149.8	172.8	175.7
95°	80.7	80.7	86.4	83.5	83.5	89.3	97.9	103.7	118.1	129.6	132.5
97.5°	57.6	57.6	60.5	60.5	60.5	60.5	66.3	74.9	92.2	92.2	89.3
100°	40.3	40.3	43.2	40.3	40.3	43.2	43.2	49.0	57.6	54.7	54.7
102.5°	28.8	28.8	28.8	28.8	28.8	25.9	25.9	28.8	31.7	28.8	28.8
105°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	17.3
107.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	14.4	14.4
110°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	11.5

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CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	11.5	11.5
115°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	11.5	11.5
117.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
120°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
122.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
125°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5	11.5	8.6
127.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
130°	8.6	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	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°	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9	1572.9
2.5°	1581.5	1575.8	1558.5	1538.3	1521.0	1506.6	1492.2	1480.7	1477.8	1472.1	1477.8
5°	1601.7	1581.5	1541.2	1515.3	1492.2	1469.2	1446.1	1434.6	1426.0	1420.2	1420.2
7.5°	1610.3	1581.5	1535.4	1500.9	1451.9	1402.9	1374.1	1351.1	1342.4	1351.1	1351.1
10°	1595.9	1561.4	1506.6	1454.8	1388.5	1348.2	1307.9	1287.7	1276.2	1276.2	1267.5
12.5°	1601.7	1561.4	1480.7	1402.9	1348.2	1276.2	1227.2	1204.1	1186.9	1192.6	1192.6
15°	1624.7	1570.0	1457.7	1379.9	1284.8	1227.2	1166.7	1152.3	1149.4	1140.8	1135.0
17.5°	1659.3	1578.6	1451.9	1328.0	1230.1	1160.9	1103.3	1077.4	1063.0	1054.3	1051.5
20°	1696.8	1590.2	1434.6	1279.0	1172.5	1083.2	1014.0	979.4	967.9	967.9	962.2
22.5°	1760.1	1630.5	1420.2	1256.0	1094.7	1005.4	936.2	887.3	864.2	861.3	858.5
25°	1863.8	1708.3	1434.6	1204.1	1048.6	916.1	838.3	795.1	769.2	760.5	760.5
27.5°	2022.3	1814.9	1454.8	1175.3	953.5	832.5	746.1	679.9	642.4	645.3	648.2
30°	2192.2	1973.3	1512.4	1129.2	893.0	714.4	610.7	558.9	524.3	512.8	507.0
32.5°	2330.5	2137.5	1595.9	1091.8	780.7	570.4	481.1	443.6	406.2	374.5	363.0
35°	2543.7	2275.8	1667.9	1037.1	688.5	466.7	388.9	331.3	299.6	285.2	279.4
37.5°	2736.7	2411.2	1722.7	1025.5	558.9	400.4	308.2	247.7	216.1	213.2	213.2
40°	2503.4	2241.2	1682.3	933.4	440.8	311.1	221.8	175.7	152.7	141.2	141.2
42.5°	1915.7	1716.9	1281.9	777.8	316.9	210.3	141.2	132.5	129.6	118.1	118.1
45°	1604.6	1267.5	777.8	406.2	149.8	115.2	100.8	100.8	103.7	112.3	112.3
47.5°	1927.2	1498.0	573.3	291.0	146.9	100.8	89.3	80.7	74.9	72.0	72.0
50°	2494.7	2131.7	731.7	345.7	175.7	103.7	80.7	72.0	69.1	66.3	60.5
52.5°	2909.5	2497.6	965.0	527.2	282.3	132.5	80.7	60.5	46.1	40.3	37.4
55°	3160.2	2817.4	1137.9	757.6	458.0	221.8	100.8	54.7	40.3	34.6	31.7
57.5°	3295.6	2854.8	1281.9	965.0	674.1	394.7	175.7	66.3	40.3	31.7	31.7
60°	3312.8	2860.6	1351.1	1103.3	858.5	599.2	334.2	129.6	51.9	37.4	34.6
62.5°	3298.4	2811.6	1368.3	1158.1	970.8	766.3	527.2	256.4	80.7	43.2	40.3
65°	3272.5	2814.5	1290.6	1109.1	970.8	821.0	610.7	337.0	115.2	49.0	46.1
67.5°	3186.1	2805.8	1247.4	1002.5	878.6	734.6	547.3	314.0	132.5	60.5	57.6
70°	3010.4	2702.1	1221.4	959.3	823.9	653.9	460.9	250.6	149.8	103.7	112.3
72.5°	2811.6	2514.9	1195.5	921.8	803.7	651.0	463.8	270.8	201.7	170.0	181.5
75°	2514.9	2189.4	1149.4	884.4	792.2	671.2	469.6	256.4	190.1	152.7	149.8
77.5°	1935.9	1820.6	1048.6	792.2	720.2	619.4	400.4	195.9	141.2	106.6	103.7
80°	1264.6	1250.2	818.1	639.5	607.8	547.3	334.2	152.7	112.3	86.4	80.7
82.5°	714.4	685.6	509.9	403.3	429.2	443.6	270.8	115.2	86.4	69.1	63.4
85°	406.2	411.9	296.7	218.9	221.8	262.1	175.7	80.7	54.7	40.3	37.4
87.5°	279.4	288.1	193.0	146.9	132.5	123.9	92.2	49.0	31.7	20.2	14.4
90°	227.6	227.6	144.0	106.6	92.2	80.7	51.9	28.8	23.0	11.5	8.6
92.5°	184.4	193.0	121.0	86.4	72.0	63.4	40.3	20.2	14.4	8.6	5.8
95°	138.3	146.9	97.9	72.0	57.6	49.0	34.6	17.3	11.5	5.8	5.8
97.5°	95.1	95.1	69.1	54.7	46.1	37.4	25.9	14.4	8.6	5.8	5.8
100°	54.7	57.6	40.3	34.6	31.7	28.8	17.3	11.5	5.8	2.9	2.9
102.5°	28.8	28.8	20.2	20.2	17.3	17.3	14.4	8.6	5.8	2.9	2.9
105°	17.3	17.3	14.4	14.4	11.5	11.5	8.6	5.8	2.9	0.0	2.9
107.5°	14.4	14.4	11.5	11.5	8.6	8.6	5.8	5.8	2.9	0.0	0.0
110°	11.5	11.5	8.6	8.6	8.6	5.8	5.8	2.9	2.9	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.5	11.5	8.6	8.6	5.8	5.8	5.8	2.9	2.9	0.0	0.0
115°	11.5	8.6	8.6	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
117.5°	11.5	8.6	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
120°	11.5	8.6	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
122.5°	11.5	8.6	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.6	8.6	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.6	8.6	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
130°	8.6	8.6	5.8	5.8	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)