

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: P690931

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690931
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-D-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: 7262 lumens
Efficiency: N/A
Efficacy: 119.0 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): 61
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

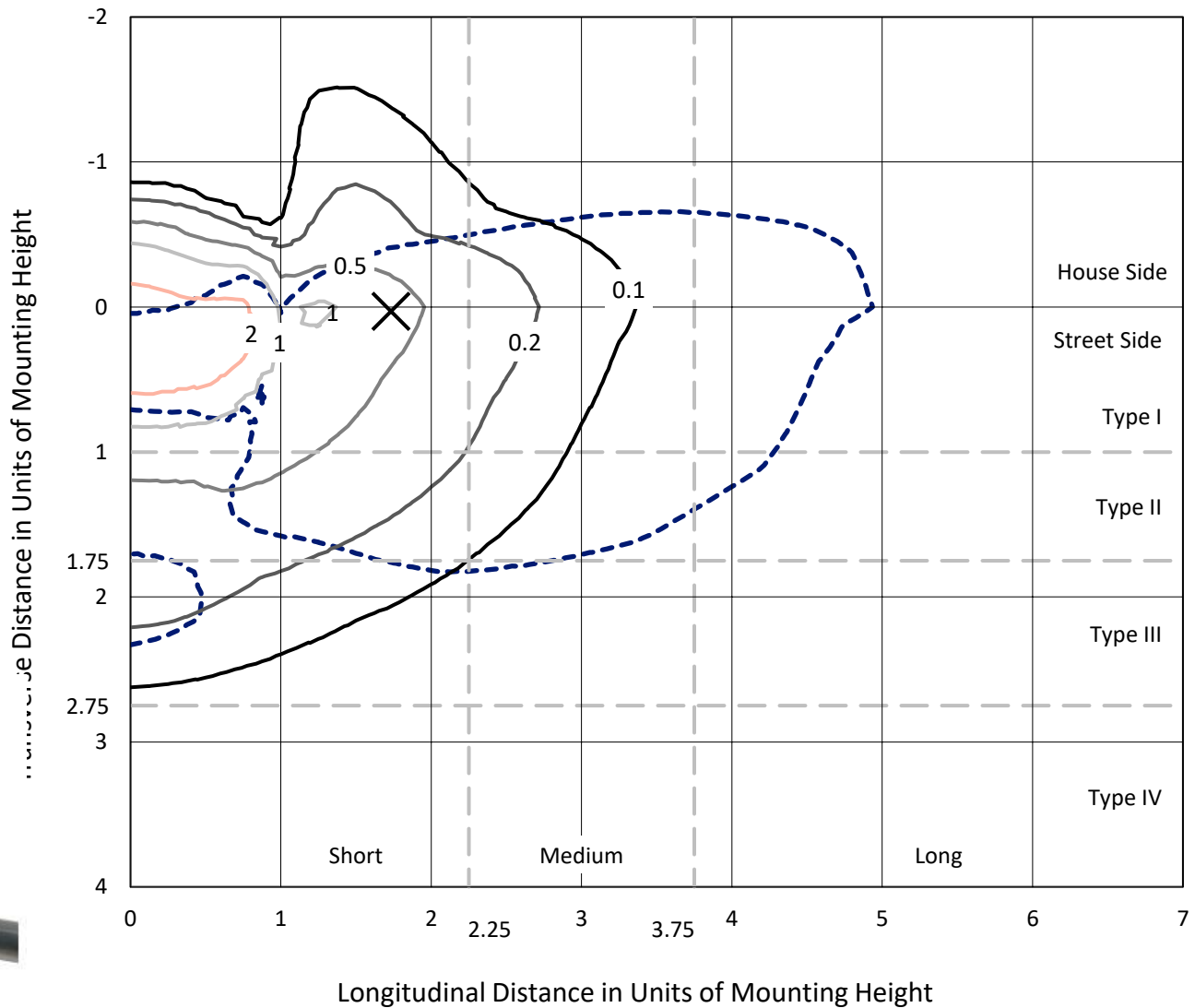


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

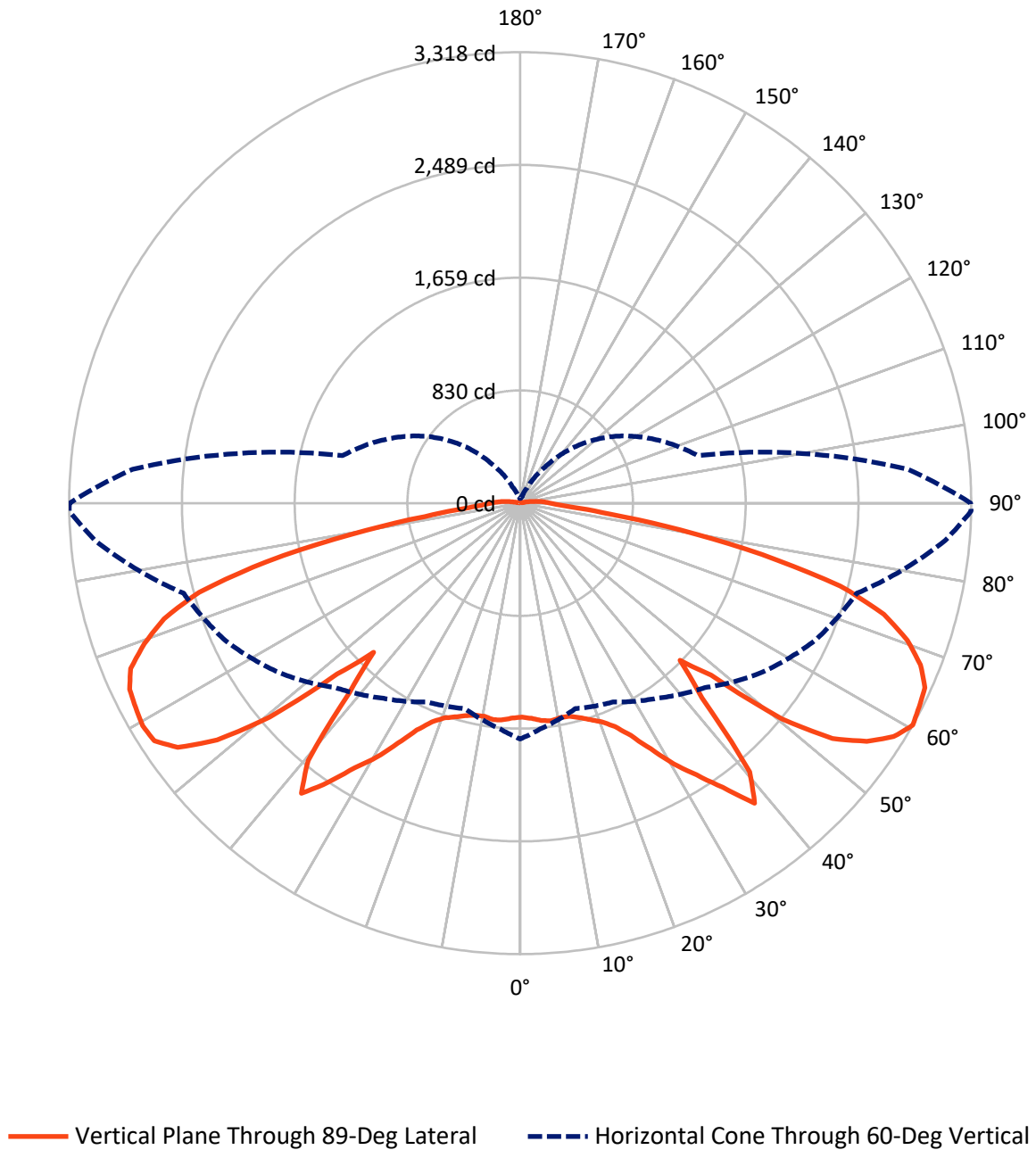


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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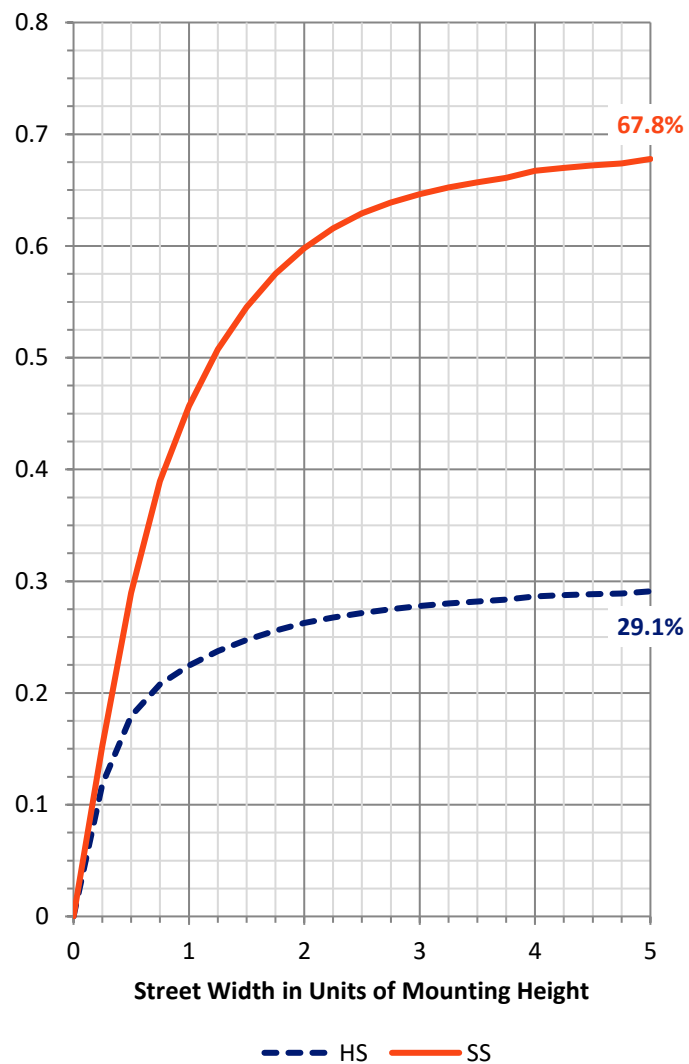
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2155.8	40.5	2196.3
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4987.7	78.0	5065.7
	% Fixture	68.7	1.1	69.8
Total	Lumens	7143.5	118.5	7262.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	2.1
10°-20°	446.7	6.2
20°-30°	737.2	10.2
30°-40°	1000.1	13.8
40°-50°	833.0	11.5
50°-60°	1153.6	15.9
60°-70°	1421.9	19.6
70°-80°	1076.6	14.8
80°-90°	323.0	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°	7143.5	98.4
0°-180°	7262.0	100.0

Coefficient of Utilization



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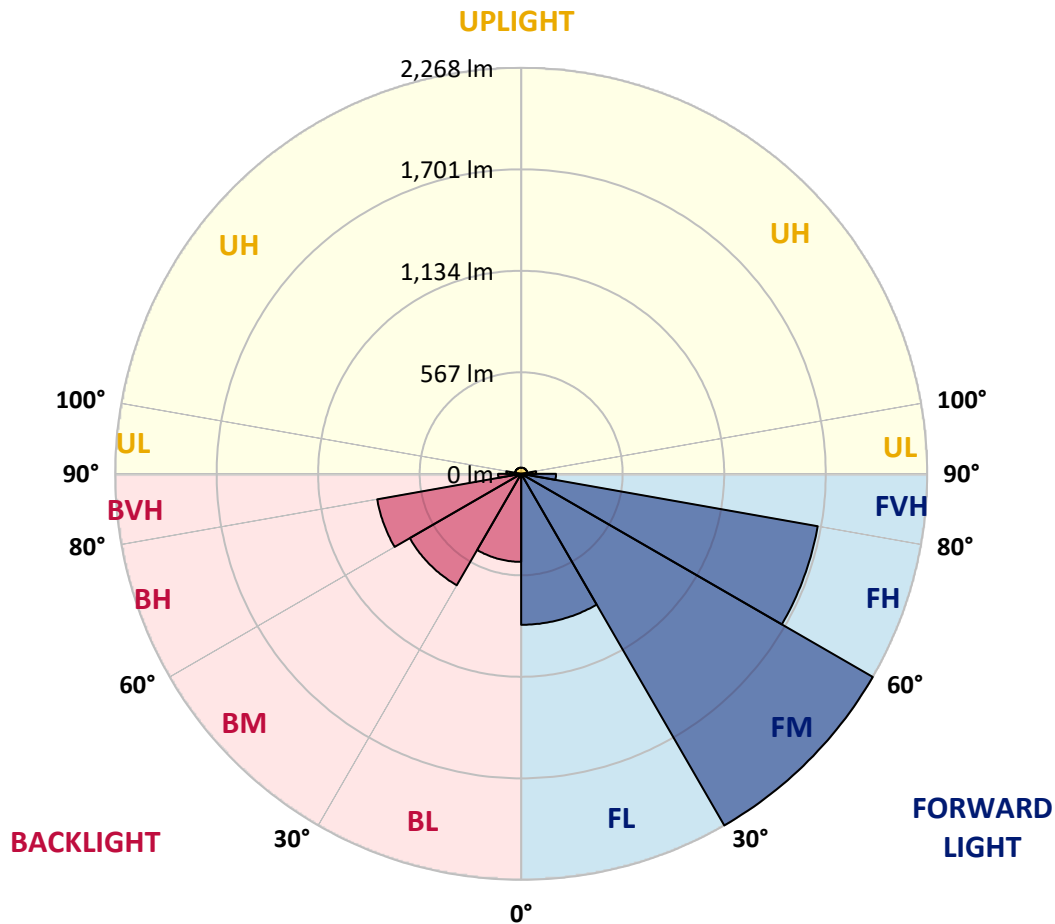
CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.5	11.6			
FM	(30°-60°)	2268.0	31.2			
FH	(60°-80°)	1681.9	23.2			G1/1800
FVH	(80°-90°)	194.3	2.7			G2/225
BL	(0°-30°)	491.7	6.8	B1/500		
BM	(30°-60°)	718.8	9.9	B1/1000		
BH	(60°-80°)	816.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	128.8	1.8			G2/225
UL	(90°-100°)	83.7	1.2		U3/500	
UH	(100°-180°)	34.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0
2.5°	1651.8	1643.1	1643.1	1643.1	1625.9	1625.9	1614.3	1608.6	1597.0	1588.4	1585.5
5°	1746.9	1741.2	1741.2	1738.3	1721.0	1709.5	1686.4	1666.2	1648.9	1620.1	1605.7
7.5°	1821.9	1813.2	1813.2	1810.3	1793.0	1778.6	1752.7	1706.6	1672.0	1640.3	1617.2
10°	1847.8	1844.9	1842.1	1833.4	1819.0	1807.5	1784.4	1741.2	1686.4	1634.5	1605.7
12.5°	1896.8	1896.8	1888.2	1876.6	1865.1	1853.6	1821.9	1787.3	1726.7	1646.0	1608.6
15°	1960.2	1954.5	1948.7	1943.0	1934.3	1917.0	1888.2	1844.9	1775.8	1677.7	1637.4
17.5°	1986.2	1983.3	1983.3	1986.2	1983.3	1971.8	1966.0	1917.0	1844.9	1721.0	1674.9
20°	1992.0	1994.8	2000.6	2020.8	2026.5	2020.8	2029.4	2000.6	1917.0	1778.6	1718.1
22.5°	2026.5	2032.3	2043.8	2064.0	2072.7	2081.3	2090.0	2113.0	2029.4	1868.0	1784.4
25°	2012.1	2017.9	2052.5	2084.2	2115.9	2141.9	2196.6	2248.5	2188.0	2000.6	1893.9
27.5°	1974.7	1986.2	2046.7	2110.1	2188.0	2257.2	2358.1	2421.5	2372.5	2167.8	2046.7
30°	2006.4	2006.4	2046.7	2139.0	2239.9	2395.5	2528.1	2600.2	2565.6	2329.2	2225.5
32.5°	1940.1	1957.4	2041.0	2179.3	2335.0	2533.9	2663.6	2790.5	2802.0	2545.4	2384.0
35°	1735.4	1764.2	1833.4	2017.9	2257.2	2603.1	2830.8	3000.9	3055.7	2804.9	2568.5
37.5°	1429.8	1450.0	1571.1	1755.6	2041.0	2372.5	2738.6	3124.9	3277.6	2972.1	2802.0
40°	1265.5	1279.9	1352.0	1504.8	1767.1	2087.1	2375.4	2747.2	2830.8	2712.6	2600.2
42.5°	1210.7	1233.8	1323.2	1464.4	1677.7	1902.6	1948.7	2087.1	2043.8	2058.3	1960.2
45°	1285.7	1294.3	1360.6	1484.6	1614.3	1674.9	1614.3	1709.5	1755.6	1746.9	1648.9
47.5°	1323.2	1337.6	1409.6	1568.2	1568.2	1571.1	1646.0	1703.7	1836.3	1960.2	1891.1
50°	1135.8	1156.0	1288.6	1415.4	1435.6	1674.9	1870.9	1983.3	2121.7	2453.2	2493.5
52.5°	1069.5	1083.9	1228.0	1481.7	1628.7	1873.8	1994.8	2098.6	2216.8	2764.5	2877.0
55°	1170.4	1196.3	1366.4	1628.7	1790.2	1937.2	2092.9	2242.8	2369.6	3009.6	3093.2
57.5°	1352.0	1401.0	1504.8	1651.8	1804.6	1937.2	2144.7	2329.2	2496.4	3104.7	3240.2
60°	1735.4	1669.1	1565.3	1614.3	1752.7	1919.9	2170.7	2392.7	2562.7	3139.3	3318.0
62.5°	1914.1	1865.1	1611.4	1545.1	1666.2	1859.4	2121.7	2392.7	2539.7	3073.0	3294.9
65°	1850.7	1810.3	1628.7	1464.4	1559.5	1775.8	2046.7	2358.1	2487.8	2989.4	3271.9
67.5°	1576.8	1536.5	1478.8	1418.3	1458.7	1692.2	1977.5	2294.6	2430.1	2920.2	3176.8
70°	1282.8	1259.7	1239.6	1285.7	1360.6	1565.3	1839.2	2153.4	2314.8	2753.0	3021.1
72.5°	1092.5	1078.1	1043.5	1089.7	1207.9	1395.2	1631.6	1945.8	2139.0	2470.5	2799.1
75°	928.2	919.6	908.1	931.1	1006.1	1181.9	1369.3	1677.7	1911.2	2156.3	2433.0
77.5°	752.4	740.9	766.8	772.6	830.2	957.1	1078.1	1334.7	1594.1	1692.2	1816.1
80°	547.7	559.2	602.5	585.2	628.4	671.7	758.2	870.6	1075.3	1184.8	1193.4
82.5°	383.4	394.9	435.3	392.0	403.6	406.5	438.2	478.5	562.1	654.4	665.9
85°	271.0	276.7	285.4	253.7	253.7	253.7	273.9	296.9	340.2	377.6	386.3
87.5°	193.1	193.1	204.7	193.1	190.3	187.4	198.9	207.6	233.5	259.4	265.2
90°	144.1	144.1	149.9	144.1	144.1	144.1	155.7	164.3	187.4	210.4	213.3
92.5°	103.8	103.8	112.4	109.5	109.5	112.4	124.0	129.7	149.9	173.0	175.8
95°	80.7	80.7	86.5	83.6	83.6	89.4	98.0	103.8	118.2	129.7	132.6
97.5°	57.7	57.7	60.5	60.5	60.5	60.5	66.3	75.0	92.2	92.2	89.4
100°	40.4	40.4	43.2	40.4	40.4	43.2	43.2	49.0	57.7	54.8	54.8
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-D-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°	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0	1574.0
2.5°	1582.6	1576.8	1559.5	1539.4	1522.1	1507.7	1493.2	1481.7	1478.8	1473.1	1478.8
5°	1602.8	1582.6	1542.3	1516.3	1493.2	1470.2	1447.1	1435.6	1426.9	1421.2	1421.2
7.5°	1611.4	1582.6	1536.5	1501.9	1452.9	1403.9	1375.1	1352.0	1343.3	1352.0	1352.0
10°	1597.0	1562.4	1507.7	1455.8	1389.5	1349.1	1308.8	1288.6	1277.0	1277.0	1268.4
12.5°	1602.8	1562.4	1481.7	1403.9	1349.1	1277.0	1228.0	1205.0	1187.7	1193.4	1193.4
15°	1625.9	1571.1	1458.7	1380.8	1285.7	1228.0	1167.5	1153.1	1150.2	1141.6	1135.8
17.5°	1660.4	1579.7	1452.9	1328.9	1230.9	1161.7	1104.1	1078.1	1063.7	1055.1	1052.2
20°	1697.9	1591.3	1435.6	1279.9	1173.3	1083.9	1014.7	980.1	968.6	968.6	962.8
22.5°	1761.3	1631.6	1421.2	1256.9	1095.4	1006.1	936.9	887.9	864.8	861.9	859.0
25°	1865.1	1709.5	1435.6	1205.0	1049.3	916.7	838.9	795.6	769.7	761.0	761.0
27.5°	2023.7	1816.1	1455.8	1176.1	954.2	833.1	746.6	680.3	642.8	645.7	648.6
30°	2193.7	1974.7	1513.4	1130.0	893.6	714.9	611.1	559.2	524.7	513.1	507.4
32.5°	2332.1	2139.0	1597.0	1092.5	781.2	570.8	481.4	443.9	406.5	374.8	363.2
35°	2545.4	2277.3	1669.1	1037.8	689.0	467.0	389.2	331.5	299.8	285.4	279.6
37.5°	2738.6	2412.8	1723.9	1026.2	559.2	400.7	308.5	247.9	216.2	213.3	213.3
40°	2505.1	2242.8	1683.5	934.0	441.1	311.3	222.0	175.8	152.8	141.3	141.3
42.5°	1917.0	1718.1	1282.8	778.3	317.1	210.4	141.3	132.6	129.7	118.2	118.2
45°	1605.7	1268.4	778.3	406.5	149.9	115.3	100.9	100.9	103.8	112.4	112.4
47.5°	1928.5	1499.0	573.7	291.2	147.0	100.9	89.4	80.7	75.0	72.1	72.1
50°	2496.4	2133.2	732.2	345.9	175.8	103.8	80.7	72.1	69.2	66.3	60.5
52.5°	2911.5	2499.3	965.7	527.5	282.5	132.6	80.7	60.5	46.1	40.4	37.5
55°	3162.3	2819.3	1138.7	758.2	458.4	222.0	100.9	54.8	40.4	34.6	31.7
57.5°	3297.8	2856.8	1282.8	965.7	674.6	394.9	175.8	66.3	40.4	31.7	31.7
60°	3315.1	2862.5	1352.0	1104.1	859.0	599.6	334.4	129.7	51.9	37.5	34.6
62.5°	3300.7	2813.5	1369.3	1158.9	971.5	766.8	527.5	256.6	80.7	43.2	40.4
65°	3274.8	2816.4	1291.5	1109.8	971.5	821.6	611.1	337.3	115.3	49.0	46.1
67.5°	3188.3	2807.8	1248.2	1003.2	879.2	735.1	547.7	314.2	132.6	60.5	57.7
70°	3012.4	2704.0	1222.3	959.9	824.5	654.4	461.2	250.8	149.9	103.8	112.4
72.5°	2813.5	2516.6	1196.3	922.5	804.3	651.5	464.1	271.0	201.8	170.1	181.6
75°	2516.6	2190.9	1150.2	885.0	792.7	671.7	469.9	256.6	190.3	152.8	149.9
77.5°	1937.2	1821.9	1049.3	792.7	720.7	619.8	400.7	196.0	141.3	106.7	103.8
80°	1265.5	1251.1	818.7	640.0	608.3	547.7	334.4	152.8	112.4	86.5	80.7
82.5°	714.9	686.1	510.2	403.6	429.5	443.9	271.0	115.3	86.5	69.2	63.4
85°	406.5	412.2	296.9	219.1	222.0	262.3	175.8	80.7	54.8	40.4	37.5
87.5°	279.6	288.3	193.1	147.0	132.6	124.0	92.2	49.0	31.7	20.2	14.4
90°	227.7	227.7	144.1	106.7	92.2	80.7	51.9	28.8	23.1	11.5	8.6
92.5°	184.5	193.1	121.1	86.5	72.1	63.4	40.4	20.2	14.4	8.6	5.8
95°	138.4	147.0	98.0	72.1	57.7	49.0	34.6	17.3	11.5	5.8	5.8
97.5°	95.1	95.1	69.2	54.8	46.1	37.5	25.9	14.4	8.6	5.8	5.8
100°	54.8	57.7	40.4	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)