

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: P690963

Luminaire Tested: **CRTK2-C01-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690963
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-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 7524 lumens
Efficiency: N/A
Efficacy: 123.3 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): 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

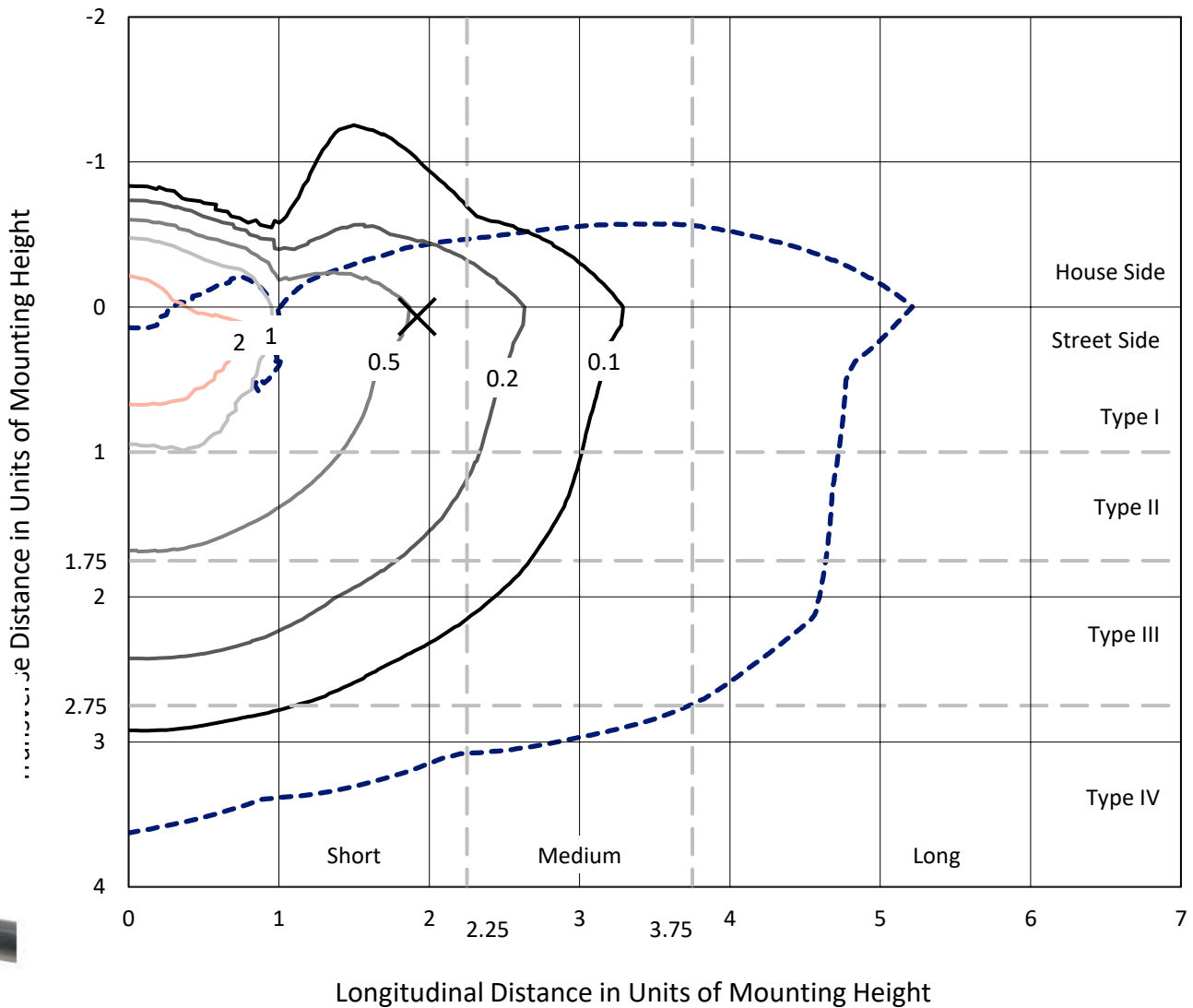


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

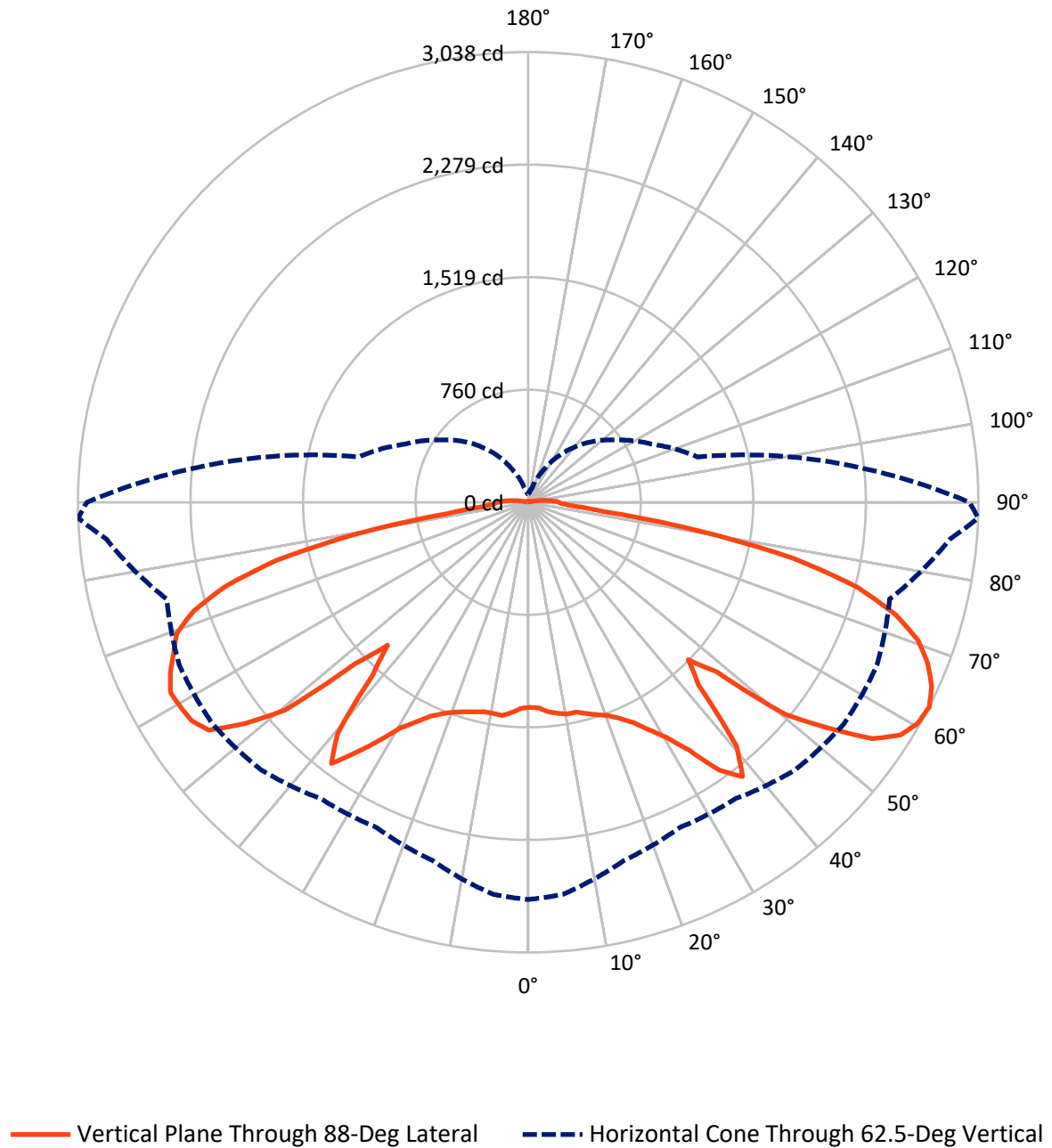


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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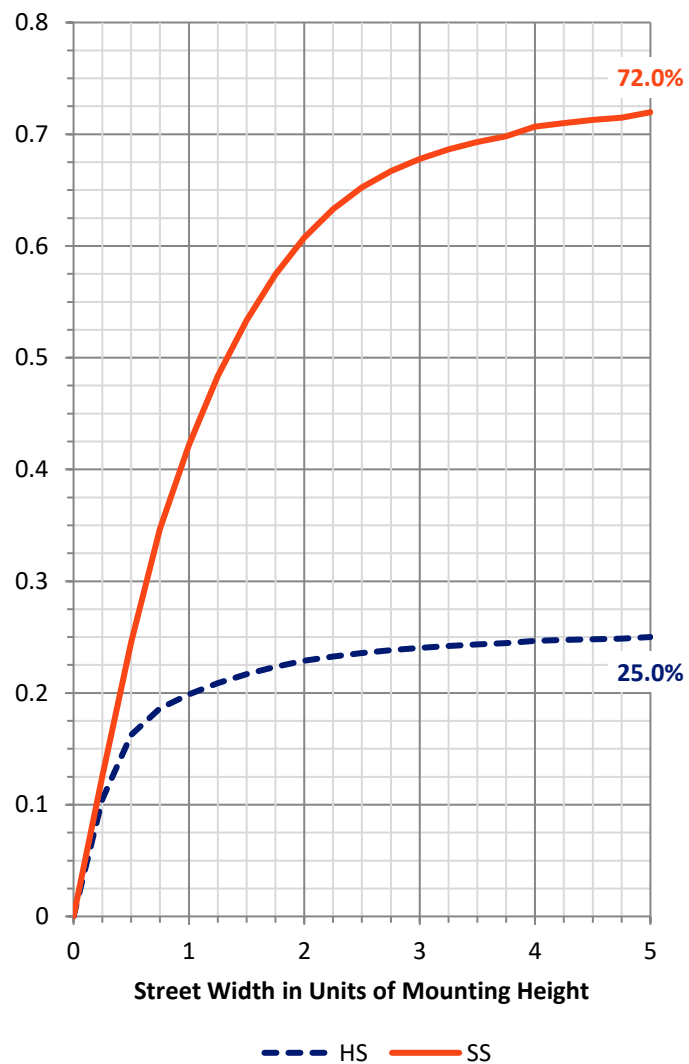
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.2	36.1	1950.3
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5484.8	88.9	5573.7
	% Fixture	72.9	1.2	74.1
Total	Lumens	7399.0	125.0	7524.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.8
10°-20°	416.3	5.5
20°-30°	705.2	9.4
30°-40°	973.4	12.9
40°-50°	841.9	11.2
50°-60°	1218.9	16.2
60°-70°	1595.5	21.2
70°-80°	1209.7	16.1
80°-90°	301.8	4.0
90°-100°	88.8	1.2
100°-110°	20.6	0.3
110°-120°	9.2	0.1
120°-130°	5.9	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°	7399.0	98.3
0°-180°	7524.0	100.0

Coefficient of Utilization



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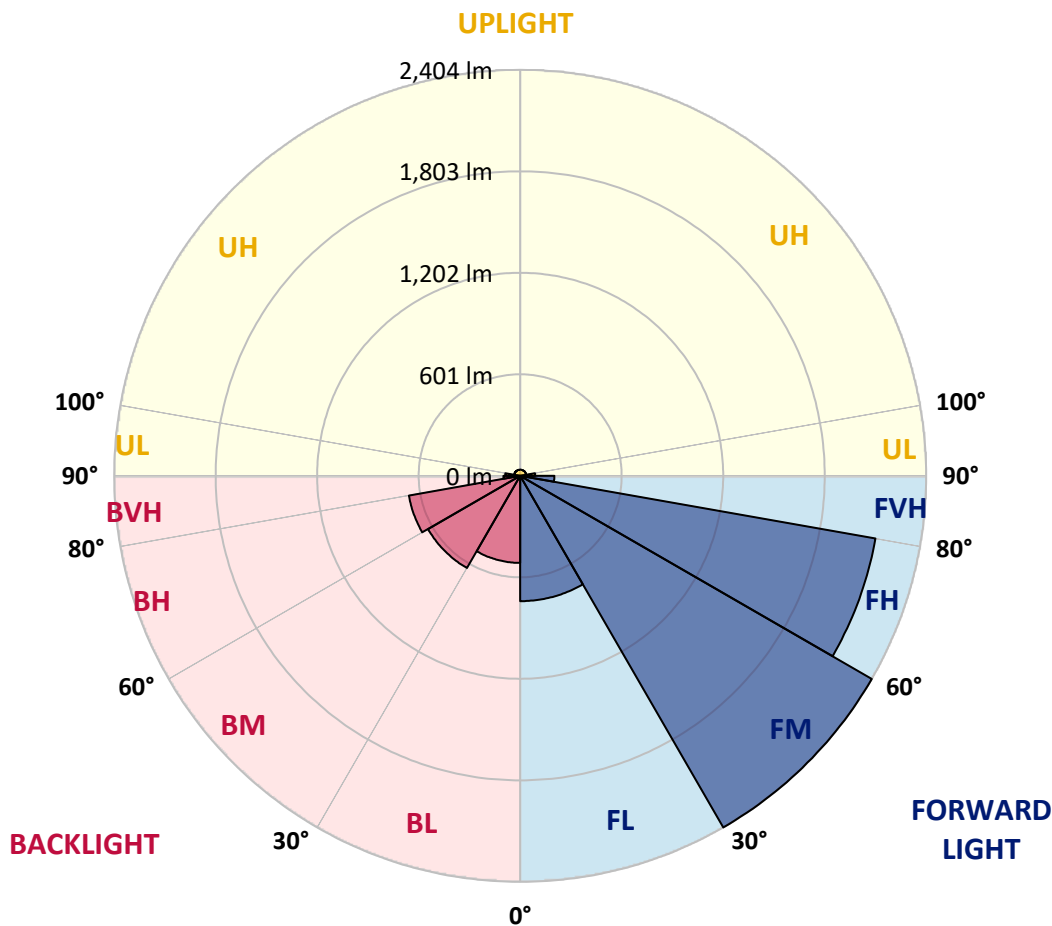
CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	742.3	9.9			
FM	(30°-60°)	2403.9	31.9			
FH	(60°-80°)	2135.9	28.4			G2/5000
FVH	(80°-90°)	202.7	2.7			G2/225
BL	(0°-30°)	515.6	6.9	B2/1000		
BM	(30°-60°)	630.3	8.4	B1/1000		
BH	(60°-80°)	669.3	8.9	B2/1000		G2/1000
BVH	(80°-90°)	99.1	1.3			G1/100
UL	(90°-100°)	88.8	1.2		U3/500	
UH	(100°-180°)	36.3	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°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1369.2	1369.2	1366.3	1369.2	1375.0	1380.8	1375.0	1377.9	1380.8	1386.5	1389.4
5°	1421.1	1418.2	1412.5	1406.7	1400.9	1400.9	1395.2	1392.3	1398.0	1415.3	1421.1
7.5°	1464.3	1455.7	1449.9	1452.8	1444.2	1429.8	1418.2	1412.5	1406.7	1429.8	1438.4
10°	1533.5	1527.8	1507.6	1490.3	1478.8	1455.7	1429.8	1426.9	1424.0	1447.1	1452.8
12.5°	1602.7	1596.9	1585.4	1568.1	1530.6	1510.5	1470.1	1452.8	1449.9	1464.3	1452.8
15°	1703.6	1692.1	1660.4	1643.1	1605.6	1573.9	1524.9	1498.9	1504.7	1484.5	1478.8
17.5°	1761.3	1755.5	1752.6	1726.7	1697.8	1643.1	1596.9	1559.5	1571.0	1524.9	1507.6
20°	1824.7	1821.8	1827.6	1830.4	1793.0	1744.0	1686.3	1628.7	1631.5	1571.0	1536.4
22.5°	1905.4	1896.7	1908.3	1922.7	1891.0	1850.6	1775.7	1729.5	1706.5	1625.8	1585.4
25°	2000.5	1997.6	1997.6	2023.6	2017.8	1963.0	1891.0	1839.1	1816.0	1706.5	1645.9
27.5°	2098.5	2101.4	2107.2	2124.5	2133.1	2101.4	2032.2	1986.1	1942.9	1798.7	1738.2
30°	2161.9	2161.9	2202.3	2228.2	2239.8	2239.8	2156.2	2121.6	2078.3	1916.9	1842.0
32.5°	2239.8	2245.5	2283.0	2326.2	2343.5	2366.6	2297.4	2271.5	2234.0	2063.9	1994.7
35°	2294.5	2303.2	2360.8	2427.1	2473.2	2484.8	2444.4	2456.0	2438.7	2257.1	2219.6
37.5°	2055.3	2078.3	2164.8	2294.5	2418.5	2539.5	2582.8	2640.4	2649.1	2438.7	2349.3
40°	1790.1	1798.7	1896.7	1991.9	2144.6	2242.6	2352.2	2479.0	2409.8	2182.1	2164.8
42.5°	1588.3	1625.8	1761.3	1833.3	1951.5	1974.6	1919.8	1839.1	1715.1	1695.0	1686.3
45°	1553.7	1591.2	1726.7	1844.8	1902.5	1620.0	1467.2	1360.6	1409.6	1530.6	1516.2
47.5°	1715.1	1761.3	1902.5	2038.0	1919.8	1605.6	1504.7	1501.8	1461.5	1669.0	1706.5
50°	1813.1	1850.6	2014.9	2012.0	1916.9	1764.1	1818.9	1758.4	1686.3	2040.9	2251.3
52.5°	1862.1	1896.7	1954.4	2026.4	2035.1	2023.6	2038.0	1989.0	1879.4	2369.5	2528.0
55°	1726.7	1813.1	2063.9	2187.9	2239.8	2208.1	2216.7	2182.1	2110.0	2574.1	2816.3
57.5°	2161.9	2208.1	2300.3	2332.0	2363.7	2349.3	2360.8	2349.3	2283.0	2726.9	2963.3
60°	2412.7	2412.7	2453.1	2401.2	2418.5	2467.5	2502.1	2502.1	2432.9	2839.3	3023.8
62.5°	2680.8	2657.7	2502.1	2421.4	2441.5	2551.1	2603.0	2597.2	2525.1	2856.6	3038.2
65°	2628.9	2588.6	2533.8	2357.9	2381.0	2533.8	2605.8	2603.0	2528.0	2793.2	2992.1
67.5°	2242.6	2280.1	2346.4	2332.0	2274.3	2450.2	2562.6	2568.4	2481.9	2686.6	2908.5
70°	1942.9	1965.9	2006.3	2127.3	2153.3	2334.9	2513.6	2539.5	2424.2	2562.6	2790.3
72.5°	1692.1	1706.5	1674.8	1798.7	1891.0	2130.2	2340.6	2389.7	2271.5	2349.3	2591.4
75°	1447.1	1415.3	1377.9	1432.6	1504.7	1758.4	2014.9	2112.9	2009.2	2058.2	2297.4
77.5°	1124.2	1078.1	1040.6	1055.0	1121.3	1340.4	1588.3	1744.0	1651.7	1648.8	1839.1
80°	766.8	726.4	700.5	694.7	743.7	879.2	1057.9	1242.4	1161.7	1083.8	1167.4
82.5°	478.5	478.5	455.4	420.9	418.0	443.9	478.5	524.6	495.8	484.3	510.2
85°	299.8	302.7	291.1	253.7	245.0	250.8	268.1	279.6	271.0	279.6	288.3
87.5°	210.4	207.5	193.1	187.4	184.5	193.1	207.5	213.3	213.3	222.0	222.0
90°	158.5	158.5	149.9	147.0	147.0	155.7	170.1	181.6	190.2	204.7	204.7
92.5°	132.6	132.6	126.8	124.0	124.0	126.8	138.4	152.8	161.4	175.8	170.1
95°	109.5	109.5	106.7	106.7	106.7	109.5	115.3	124.0	126.8	126.8	126.8
97.5°	86.5	83.6	80.7	80.7	80.7	83.6	86.5	95.1	98.0	89.4	89.4
100°	60.5	57.7	54.8	57.7	57.7	57.7	60.5	63.4	63.4	57.7	54.8
102.5°	37.5	37.5	37.5	37.5	34.6	34.6	34.6	34.6	31.7	28.8	28.8
105°	25.9	25.9	23.1	23.1	23.1	23.1	20.2	20.2	20.2	17.3	17.3
107.5°	20.2	20.2	20.2	20.2	20.2	17.3	17.3	17.3	17.3	14.4	14.4
110°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	14.4	14.4	11.5	11.5

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CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	17.3	17.3	17.3	17.3	17.3	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°	14.4	14.4	14.4	14.4	14.4	14.4	11.5	11.5	11.5	14.4	11.5
120°	14.4	14.4	14.4	14.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5
122.5°	14.4	14.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
125°	11.5	11.5	11.5	11.5	8.6	8.6	8.6	8.6	8.6	8.6	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	8.6	8.6	8.6	8.6	8.6	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°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6
2.5°	1389.4	1395.2	1406.7	1421.1	1432.6	1441.3	1447.1	1452.8	1452.8	1447.1	1452.8
5°	1421.1	1426.9	1447.1	1461.5	1461.5	1452.8	1447.1	1444.2	1449.9	1452.8	1458.6
7.5°	1447.1	1452.8	1444.2	1449.9	1455.7	1447.1	1435.5	1426.9	1418.2	1409.6	1415.3
10°	1449.9	1435.5	1435.5	1429.8	1409.6	1412.5	1409.6	1395.2	1383.6	1386.5	1389.4
12.5°	1447.1	1441.3	1418.2	1406.7	1398.0	1369.2	1357.7	1366.3	1349.0	1357.7	1346.2
15°	1473.0	1444.2	1421.1	1392.3	1360.6	1346.2	1326.0	1297.2	1285.6	1288.5	1291.4
17.5°	1490.3	1461.5	1406.7	1354.8	1337.5	1291.4	1268.3	1253.9	1233.7	1236.6	1248.2
20°	1519.1	1475.9	1398.0	1343.3	1259.7	1228.0	1199.2	1181.9	1164.6	1138.6	1127.1
22.5°	1559.5	1504.7	1386.5	1285.6	1213.6	1158.8	1095.4	1052.1	1029.1	1011.8	1008.9
25°	1611.4	1547.9	1389.4	1259.7	1144.4	1063.7	1008.9	934.0	879.2	873.4	882.1
27.5°	1706.5	1596.9	1406.7	1219.3	1086.7	962.8	861.9	810.0	746.6	732.2	732.2
30°	1798.7	1674.8	1395.2	1184.7	988.7	850.4	714.9	616.9	582.3	556.3	553.5
32.5°	1968.8	1784.3	1455.7	1132.9	899.4	683.2	533.3	426.6	403.6	394.9	392.0
35°	2124.5	1934.2	1461.5	1066.6	766.8	530.4	383.4	311.3	296.9	288.3	285.4
37.5°	2291.6	2078.3	1519.1	1011.8	637.0	374.7	276.7	222.0	204.7	193.1	187.4
40°	2098.5	1905.4	1493.2	919.5	472.7	239.3	173.0	121.1	103.8	103.8	103.8
42.5°	1643.1	1447.1	1130.0	743.7	276.7	138.4	86.5	83.6	86.5	89.4	89.4
45°	1455.7	1199.2	691.8	394.9	115.3	77.8	69.2	66.3	74.9	83.6	86.5
47.5°	1712.2	1426.9	533.3	276.7	124.0	77.8	63.4	63.4	60.5	54.8	54.8
50°	2314.7	1925.6	611.1	317.1	155.7	86.5	63.4	54.8	54.8	57.7	60.5
52.5°	2611.6	2144.6	720.6	412.2	227.7	118.2	69.2	54.8	49.0	40.4	40.4
55°	2868.2	2317.6	853.2	533.3	334.4	184.5	98.0	57.7	49.0	40.4	37.5
57.5°	2951.8	2337.8	994.5	671.6	455.4	288.3	170.1	80.7	51.9	43.2	40.4
60°	2963.3	2360.8	1101.1	818.7	593.8	420.9	279.6	147.0	66.3	51.9	49.0
62.5°	2977.7	2366.6	1181.9	925.3	732.2	570.7	403.6	233.5	100.9	60.5	57.7
65°	2925.8	2297.4	1161.7	902.2	772.5	631.3	464.1	273.8	115.3	69.2	66.3
67.5°	2839.3	2236.9	1078.1	830.2	697.6	550.6	397.8	222.0	106.7	80.7	77.8
70°	2770.2	2176.3	1034.8	824.4	645.7	481.4	320.0	161.4	126.8	109.5	103.8
72.5°	2600.1	2032.2	1000.3	821.5	645.7	469.9	311.3	173.0	173.0	175.8	164.3
75°	2314.7	1816.0	948.4	798.5	631.3	467.0	299.8	187.4	187.4	167.2	158.5
77.5°	1911.1	1487.4	838.8	729.3	573.6	412.2	245.0	155.7	149.9	129.7	124.0
80°	1265.4	1066.6	668.8	602.5	472.7	331.5	181.6	121.1	112.4	95.1	89.4
82.5°	567.9	510.2	423.7	426.6	340.1	236.4	124.0	83.6	77.8	63.4	60.5
85°	311.3	294.0	230.6	201.8	173.0	124.0	72.1	54.8	46.1	34.6	34.6
87.5°	236.4	227.7	170.1	132.6	100.9	72.1	46.1	34.6	25.9	17.3	14.4
90°	216.2	204.7	138.4	106.7	80.7	57.7	37.5	23.1	17.3	11.5	8.6
92.5°	181.6	173.0	112.4	89.4	69.2	51.9	31.7	17.3	11.5	5.8	5.8
95°	132.6	129.7	83.6	69.2	54.8	43.2	25.9	14.4	8.6	5.8	2.9
97.5°	89.4	86.5	60.5	51.9	43.2	31.7	20.2	11.5	5.8	2.9	2.9
100°	54.8	54.8	37.5	34.6	28.8	23.1	14.4	8.6	5.8	2.9	2.9
102.5°	28.8	25.9	20.2	20.2	17.3	14.4	11.5	5.8	2.9	0.0	0.0
105°	17.3	14.4	14.4	11.5	11.5	8.6	8.6	5.8	2.9	0.0	0.0
107.5°	14.4	11.5	11.5	8.6	8.6	5.8	5.8	2.9	2.9	0.0	0.0
110°	11.5	11.5	8.6	8.6	5.8	5.8	5.8	2.9	0.0	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	8.6	8.6	5.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0
115°	11.5	8.6	5.8	5.8	5.8	2.9	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	2.9	2.9	2.9	2.9	0.0	0.0	0.0
122.5°	11.5	8.6	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.6	5.8	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.6	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)