

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: P690955

Luminaire Tested: **CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690955
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-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 7308 lumens
Efficiency: N/A
Efficacy: 119.8 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): 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

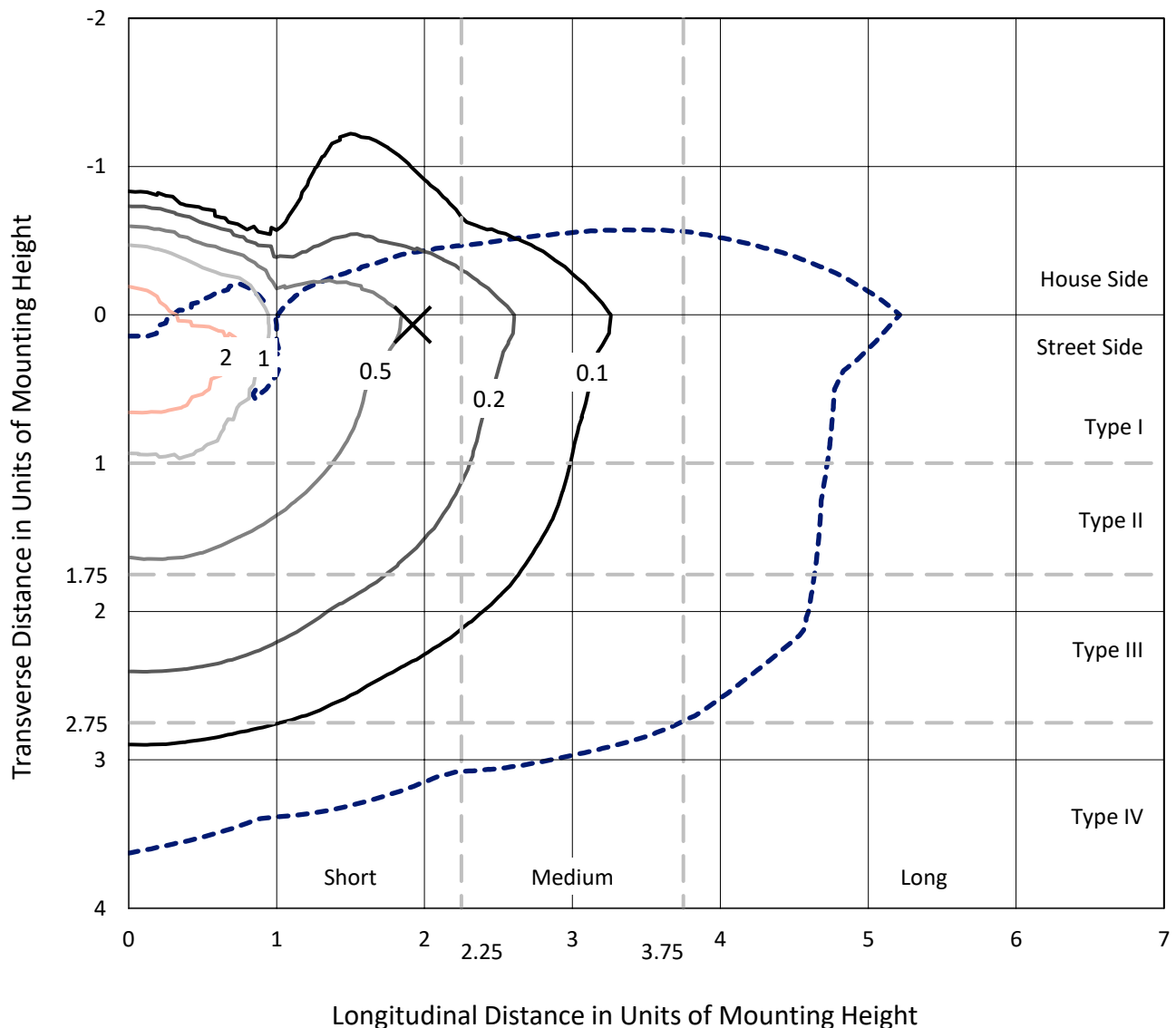


REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

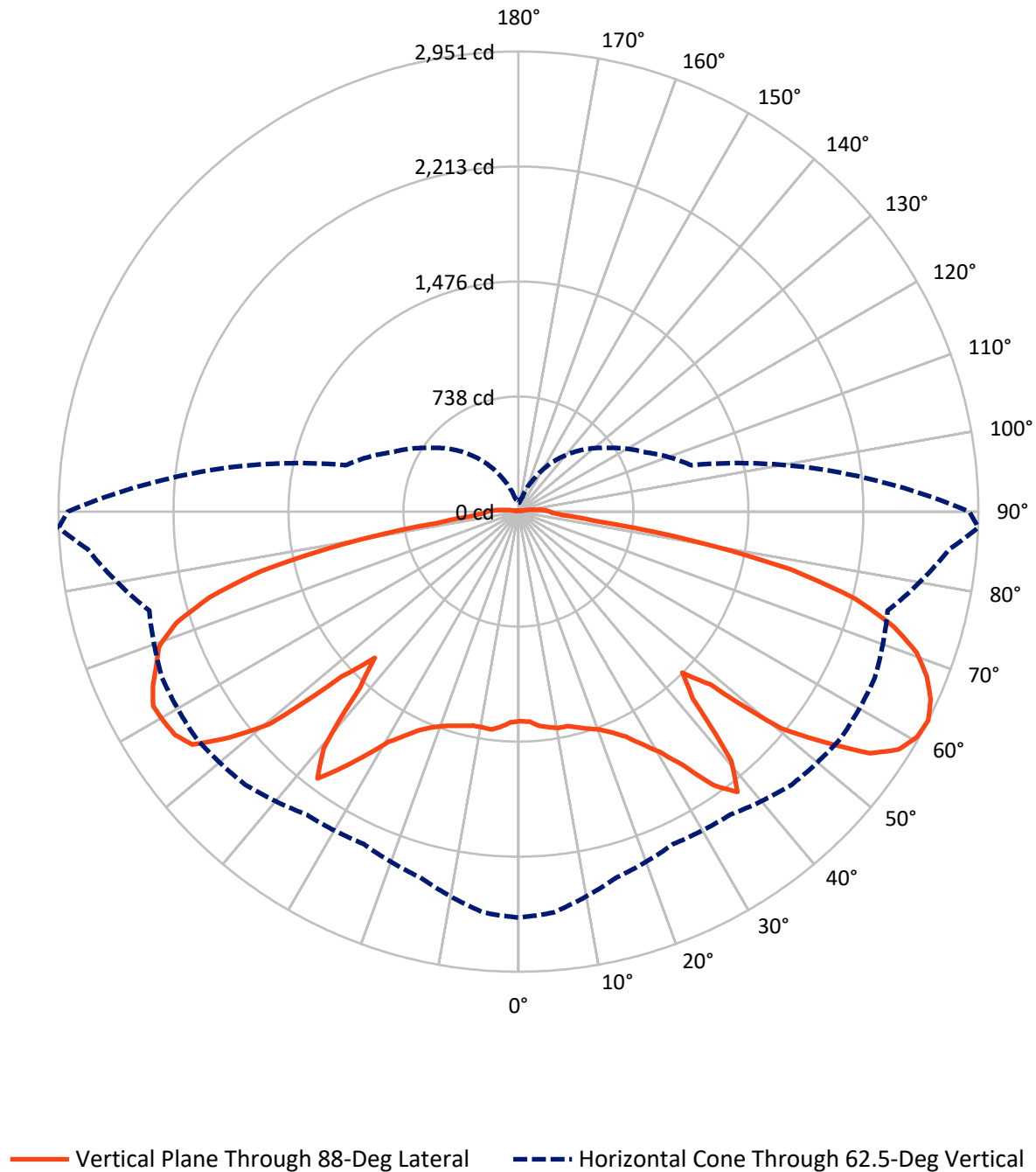


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

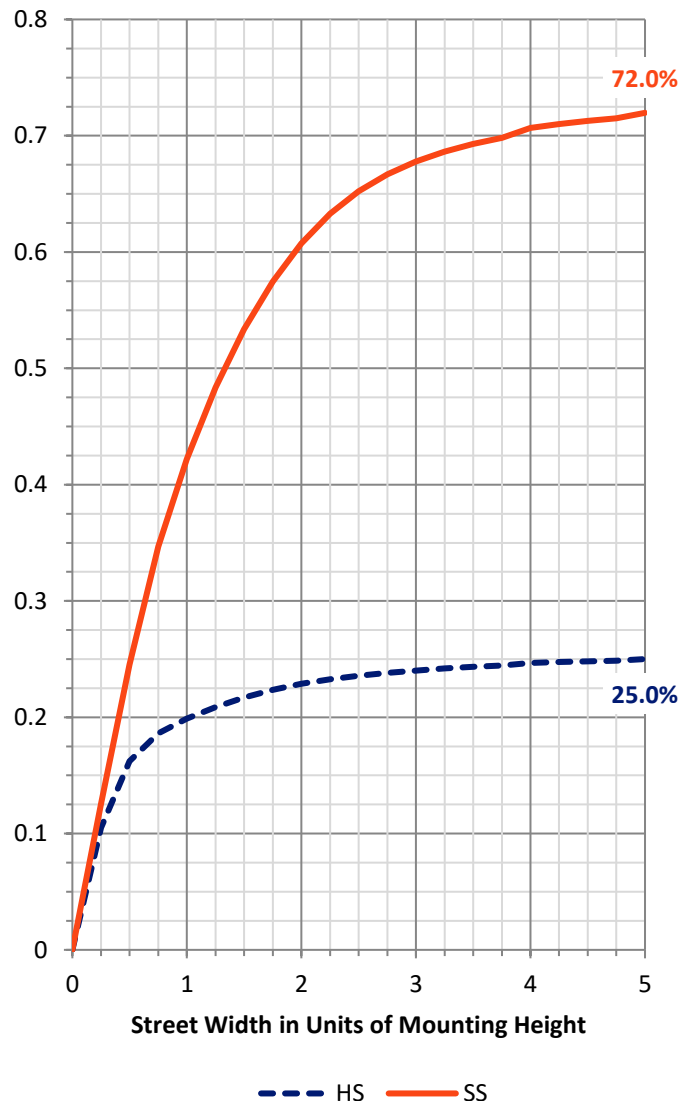
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1859.2	35.0	1894.3
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5327.4	86.4	5413.8
	% Fixture	72.9	1.2	74.1
Total	Lumens	7186.6	121.4	7308.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	1.8
10°-20°	404.4	5.5
20°-30°	684.9	9.4
30°-40°	945.5	12.9
40°-50°	817.7	11.2
50°-60°	1183.9	16.2
60°-70°	1549.7	21.2
70°-80°	1175.0	16.1
80°-90°	293.1	4.0
90°-100°	86.2	1.2
100°-110°	20.0	0.3
110°-120°	8.9	0.1
120°-130°	5.8	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°	7186.6	98.3
0°-180°	7308.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690955

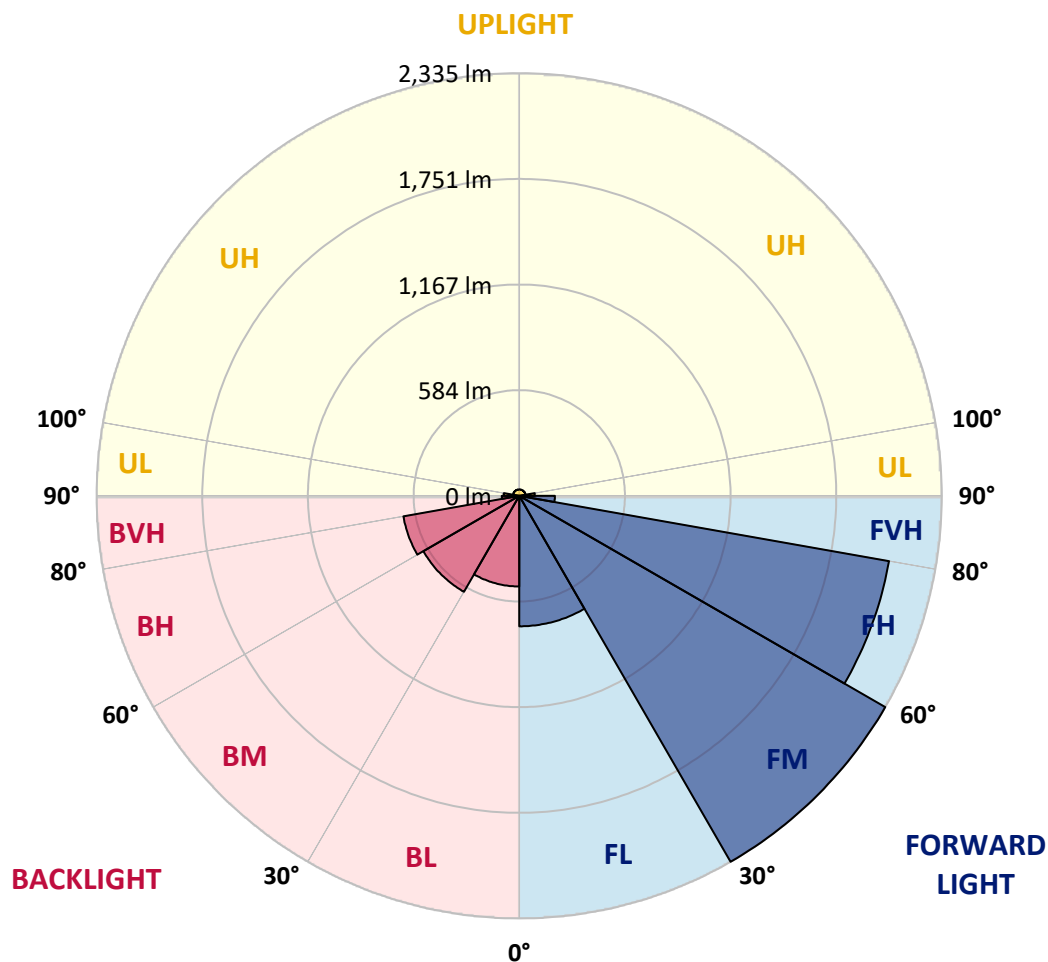
CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	721.0	9.9			
FM	(30°-60°)	2334.9	31.9			
FH	(60°-80°)	2074.6	28.4			G2/5000
FVH	(80°-90°)	196.9	2.7			G2/225
BL	(0°-30°)	500.8	6.9	B2/1000		
BM	(30°-60°)	612.2	8.4	B1/1000		
BH	(60°-80°)	650.0	8.9	B2/1000		G2/1000
BVH	(80°-90°)	96.2	1.3			G1/100
UL	(90°-100°)	86.2	1.2		U3/500	
UH	(100°-180°)	35.2	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9
2.5°	1329.9	1329.9	1327.1	1329.9	1335.5	1341.1	1335.5	1338.3	1341.1	1346.7	1349.5
5°	1380.3	1377.5	1371.9	1366.3	1360.7	1360.7	1355.1	1352.3	1357.9	1374.7	1380.3
7.5°	1422.3	1413.9	1408.3	1411.1	1402.7	1388.7	1377.5	1371.9	1366.3	1388.7	1397.1
10°	1489.5	1483.9	1464.3	1447.5	1436.3	1413.9	1388.7	1385.9	1383.1	1405.5	1411.1
12.5°	1556.7	1551.1	1539.9	1523.1	1486.7	1467.1	1427.9	1411.1	1408.3	1422.3	1411.1
15°	1654.7	1643.5	1612.7	1595.9	1559.5	1528.7	1481.1	1455.9	1461.5	1441.9	1436.3
17.5°	1710.7	1705.1	1702.3	1677.1	1649.1	1595.9	1551.1	1514.7	1525.9	1481.1	1464.3
20°	1772.3	1769.5	1775.1	1777.9	1741.5	1693.9	1637.9	1581.9	1584.7	1525.9	1492.3
22.5°	1850.7	1842.3	1853.5	1867.5	1836.7	1797.5	1724.7	1679.9	1657.5	1579.1	1539.9
25°	1943.1	1940.3	1940.3	1965.5	1959.9	1906.7	1836.7	1786.3	1763.9	1657.5	1598.7
27.5°	2038.3	2041.1	2046.7	2063.5	2071.9	2041.1	1973.9	1929.1	1887.1	1747.1	1688.3
30°	2099.9	2099.9	2139.1	2164.3	2175.5	2175.5	2094.3	2060.7	2018.7	1861.9	1789.1
32.5°	2175.5	2181.1	2217.5	2259.5	2276.3	2298.7	2231.5	2206.3	2169.9	2004.7	1937.5
35°	2228.7	2237.1	2293.1	2357.4	2402.2	2413.4	2374.2	2385.4	2368.6	2192.3	2155.9
37.5°	1996.3	2018.7	2102.7	2228.7	2349.0	2466.6	2508.6	2564.6	2573.0	2368.6	2281.9
40°	1738.7	1747.1	1842.3	1934.7	2083.1	2178.3	2284.7	2407.8	2340.6	2119.5	2102.7
42.5°	1542.7	1579.1	1710.7	1780.7	1895.5	1917.9	1864.7	1786.3	1665.9	1646.3	1637.9
45°	1509.1	1545.5	1677.1	1791.9	1847.9	1573.5	1425.1	1321.5	1369.1	1486.7	1472.7
47.5°	1665.9	1710.7	1847.9	1979.5	1864.7	1559.5	1461.5	1458.7	1419.5	1621.1	1657.5
50°	1761.1	1797.5	1957.1	1954.3	1861.9	1713.5	1766.7	1707.9	1637.9	1982.3	2186.7
52.5°	1808.7	1842.3	1898.3	1968.3	1976.7	1965.5	1979.5	1931.9	1825.5	2301.5	2455.4
55°	1677.1	1761.1	2004.7	2125.1	2175.5	2144.7	2153.1	2119.5	2049.5	2500.2	2735.4
57.5°	2099.9	2144.7	2234.3	2265.1	2295.9	2281.9	2293.1	2281.9	2217.5	2648.6	2878.2
60°	2343.4	2343.4	2382.6	2332.2	2349.0	2396.6	2430.2	2430.2	2363.0	2757.8	2937.0
62.5°	2603.8	2581.4	2430.2	2351.8	2371.4	2477.8	2528.2	2522.6	2452.6	2774.6	2951.0
65°	2553.4	2514.2	2461.0	2290.3	2312.7	2461.0	2531.0	2528.2	2455.4	2713.0	2906.2
67.5°	2178.3	2214.7	2279.1	2265.1	2209.1	2379.8	2489.0	2494.6	2410.6	2609.4	2825.0
70°	1887.1	1909.5	1948.7	2066.3	2091.5	2267.9	2441.4	2466.6	2354.6	2489.0	2710.2
72.5°	1643.5	1657.5	1626.7	1747.1	1836.7	2069.1	2273.5	2321.1	2206.3	2281.9	2517.0
75°	1405.5	1374.7	1338.3	1391.5	1461.5	1707.9	1957.1	2052.3	1951.5	1999.1	2231.5
77.5°	1091.9	1047.1	1010.7	1024.7	1089.1	1301.9	1542.7	1693.9	1604.3	1601.5	1786.3
80°	744.8	705.6	680.4	674.8	722.4	853.9	1027.5	1206.7	1128.3	1052.7	1133.9
82.5°	464.8	464.8	442.4	408.8	406.0	431.2	464.8	509.6	481.6	470.4	495.6
85°	291.2	294.0	282.8	246.4	238.0	243.6	260.4	271.6	263.2	271.6	280.0
87.5°	204.4	201.6	187.6	182.0	179.2	187.6	201.6	207.2	207.2	215.6	215.6
90°	154.0	154.0	145.6	142.8	142.8	151.2	165.2	176.4	184.8	198.8	198.8
92.5°	128.8	128.8	123.2	120.4	120.4	123.2	134.4	148.4	156.8	170.8	165.2
95°	106.4	106.4	103.6	103.6	103.6	106.4	112.0	120.4	123.2	123.2	123.2
97.5°	84.0	81.2	78.4	78.4	78.4	81.2	84.0	92.4	95.2	86.8	86.8
100°	58.8	56.0	53.2	56.0	56.0	56.0	58.8	61.6	61.6	56.0	53.2
102.5°	36.4	36.4	36.4	36.4	33.6	33.6	33.6	33.6	30.8	28.0	28.0
105°	25.2	25.2	22.4	22.4	22.4	22.4	19.6	19.6	19.6	16.8	16.8
107.5°	19.6	19.6	19.6	19.6	19.6	16.8	16.8	16.8	16.8	14.0	14.0
110°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	14.0	14.0	11.2	11.2



REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	16.8	16.8	16.8	16.8	16.8	14.0	14.0	14.0	14.0	11.2	11.2
115°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2
117.5°	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2	11.2	14.0	11.2
120°	14.0	14.0	14.0	14.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2
122.5°	14.0	14.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
125°	11.2	11.2	11.2	11.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
130°	8.4	8.4	8.4	8.4	8.4	8.4	5.6	5.6	5.6	5.6	5.6
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



REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9
2.5°	1349.5	1355.1	1366.3	1380.3	1391.5	1399.9	1405.5	1411.1	1411.1	1405.5	1411.1
5°	1380.3	1385.9	1405.5	1419.5	1419.5	1411.1	1405.5	1402.7	1408.3	1411.1	1416.7
7.5°	1405.5	1411.1	1402.7	1408.3	1413.9	1405.5	1394.3	1385.9	1377.5	1369.1	1374.7
10°	1408.3	1394.3	1394.3	1388.7	1369.1	1371.9	1369.1	1355.1	1343.9	1346.7	1349.5
12.5°	1405.5	1399.9	1377.5	1366.3	1357.9	1329.9	1318.7	1327.1	1310.3	1318.7	1307.5
15°	1430.7	1402.7	1380.3	1352.3	1321.5	1307.5	1287.9	1259.9	1248.7	1251.5	1254.3
17.5°	1447.5	1419.5	1366.3	1315.9	1299.1	1254.3	1231.9	1217.9	1198.3	1201.1	1212.3
20°	1475.5	1433.5	1357.9	1304.7	1223.5	1192.7	1164.7	1147.9	1131.1	1105.9	1094.7
22.5°	1514.7	1461.5	1346.7	1248.7	1178.7	1125.5	1063.9	1021.9	999.5	982.7	979.9
25°	1565.1	1503.5	1349.5	1223.5	1111.5	1033.1	979.9	907.1	853.9	848.3	856.7
27.5°	1657.5	1551.1	1366.3	1184.3	1055.5	935.1	837.1	786.7	725.2	711.2	711.2
30°	1747.1	1626.7	1355.1	1150.7	960.3	825.9	694.4	599.2	565.6	540.4	537.6
32.5°	1912.3	1733.1	1413.9	1100.3	873.5	663.6	518.0	414.4	392.0	383.6	380.8
35°	2063.5	1878.7	1419.5	1035.9	744.8	515.2	372.4	302.4	288.4	280.0	277.2
37.5°	2225.9	2018.7	1475.5	982.7	618.8	364.0	268.8	215.6	198.8	187.6	182.0
40°	2038.3	1850.7	1450.3	893.1	459.2	232.4	168.0	117.6	100.8	100.8	100.8
42.5°	1595.9	1405.5	1097.5	722.4	268.8	134.4	84.0	81.2	84.0	86.8	86.8
45°	1413.9	1164.7	672.0	383.6	112.0	75.6	67.2	64.4	72.8	81.2	84.0
47.5°	1663.1	1385.9	518.0	268.8	120.4	75.6	61.6	61.6	58.8	53.2	53.2
50°	2248.3	1870.3	593.6	308.0	151.2	84.0	61.6	53.2	53.2	56.0	58.8
52.5°	2536.6	2083.1	700.0	400.4	221.2	114.8	67.2	53.2	47.6	39.2	39.2
55°	2785.8	2251.1	828.7	518.0	324.8	179.2	95.2	56.0	47.6	39.2	36.4
57.5°	2867.0	2270.7	965.9	652.4	442.4	280.0	165.2	78.4	50.4	42.0	39.2
60°	2878.2	2293.1	1069.5	795.1	576.8	408.8	271.6	142.8	64.4	50.4	47.6
62.5°	2892.2	2298.7	1147.9	898.7	711.2	554.4	392.0	226.8	98.0	58.8	56.0
65°	2841.8	2231.5	1128.3	876.3	750.4	613.2	450.8	266.0	112.0	67.2	64.4
67.5°	2757.8	2172.7	1047.1	806.3	677.6	534.8	386.4	215.6	103.6	78.4	75.6
70°	2690.6	2113.9	1005.1	800.7	627.2	467.6	310.8	156.8	123.2	106.4	100.8
72.5°	2525.4	1973.9	971.5	797.9	627.2	456.4	302.4	168.0	168.0	170.8	159.6
75°	2248.3	1763.9	921.1	775.5	613.2	453.6	291.2	182.0	182.0	162.4	154.0
77.5°	1856.3	1444.7	814.7	708.4	557.2	400.4	238.0	151.2	145.6	126.0	120.4
80°	1229.1	1035.9	649.6	585.2	459.2	322.0	176.4	117.6	109.2	92.4	86.8
82.5°	551.6	495.6	411.6	414.4	330.4	229.6	120.4	81.2	75.6	61.6	58.8
85°	302.4	285.6	224.0	196.0	168.0	120.4	70.0	53.2	44.8	33.6	33.6
87.5°	229.6	221.2	165.2	128.8	98.0	70.0	44.8	33.6	25.2	16.8	14.0
90°	210.0	198.8	134.4	103.6	78.4	56.0	36.4	22.4	16.8	11.2	8.4
92.5°	176.4	168.0	109.2	86.8	67.2	50.4	30.8	16.8	11.2	5.6	5.6
95°	128.8	126.0	81.2	67.2	53.2	42.0	25.2	14.0	8.4	5.6	2.8
97.5°	86.8	84.0	58.8	50.4	42.0	30.8	19.6	11.2	5.6	2.8	2.8
100°	53.2	53.2	36.4	33.6	28.0	22.4	14.0	8.4	5.6	2.8	2.8
102.5°	28.0	25.2	19.6	19.6	16.8	14.0	11.2	5.6	2.8	0.0	0.0
105°	16.8	14.0	14.0	11.2	11.2	8.4	8.4	5.6	2.8	0.0	0.0
107.5°	14.0	11.2	11.2	8.4	8.4	5.6	5.6	2.8	2.8	0.0	0.0
110°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	0.0	0.0	0.0



REPORT NUMBER: P690955

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0
115°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
117.5°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
120°	11.2	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
122.5°	11.2	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
125°	8.4	5.6	5.6	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
127.5°	8.4	5.6	5.6	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
130°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	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)