

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: P691707

Luminaire Tested: **CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691707
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-C018-D-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: 6030 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

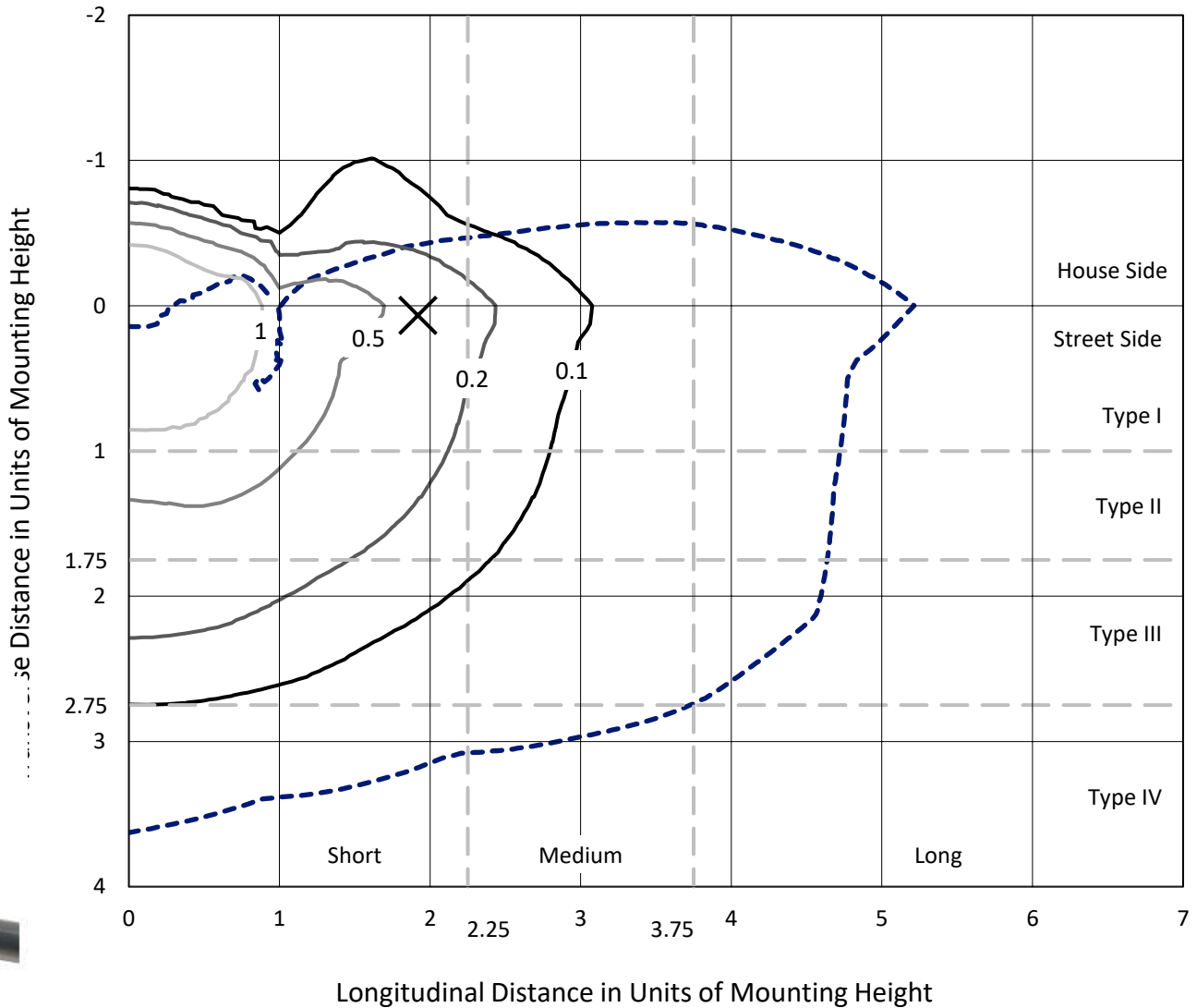
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691707
 CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

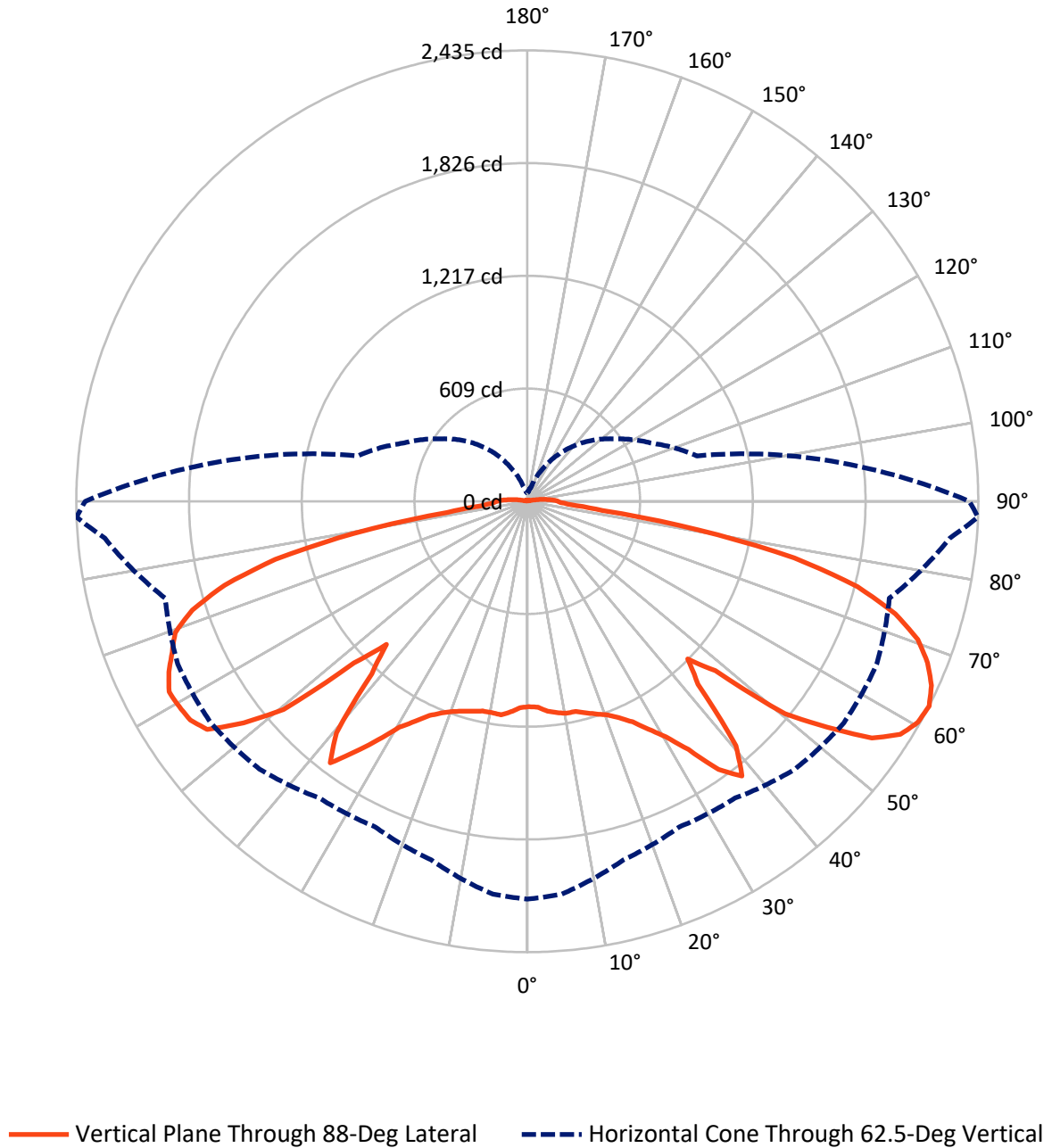
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P691707
CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691707

CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

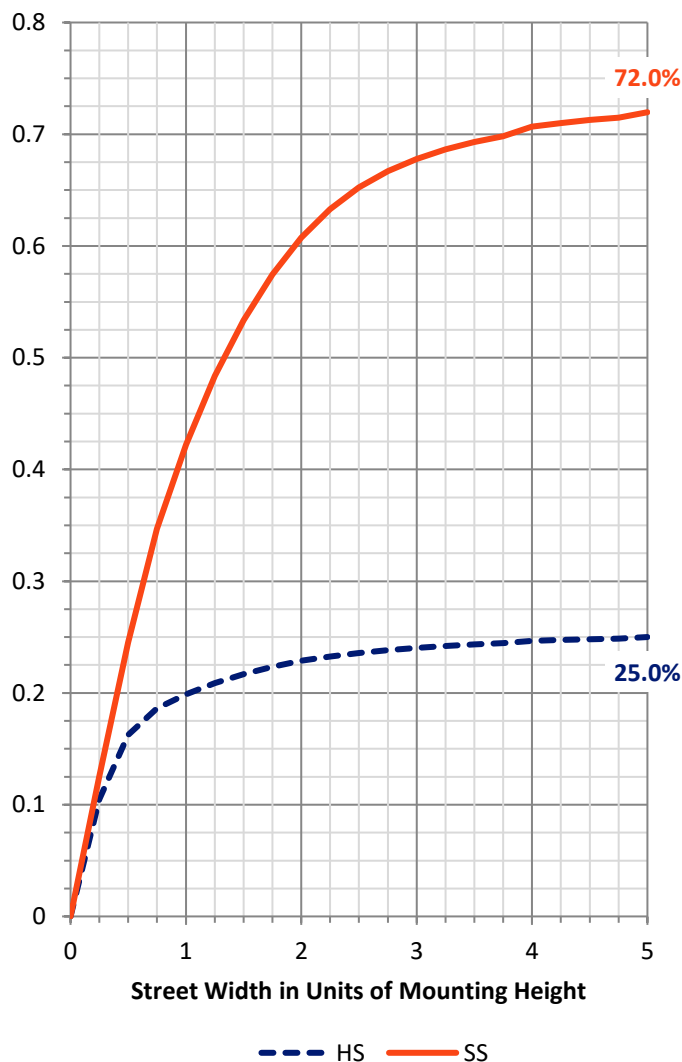
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1534.1	28.9	1563.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	4395.7	71.3	4467.0
	% Fixture	72.9	1.2	74.1
Total	Lumens	5929.8	100.2	6030.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	1.8
10°-20°	333.7	5.5
20°-30°	565.1	9.4
30°-40°	780.1	12.9
40°-50°	674.7	11.2
50°-60°	976.8	16.2
60°-70°	1278.7	21.2
70°-80°	969.5	16.1
80°-90°	241.9	4.0
90°-100°	71.1	1.2
100°-110°	16.5	0.3
110°-120°	7.4	0.1
120°-130°	4.8	0.1
130°-140°	0.4	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°	5929.8	98.3
0°-180°	6030.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691707

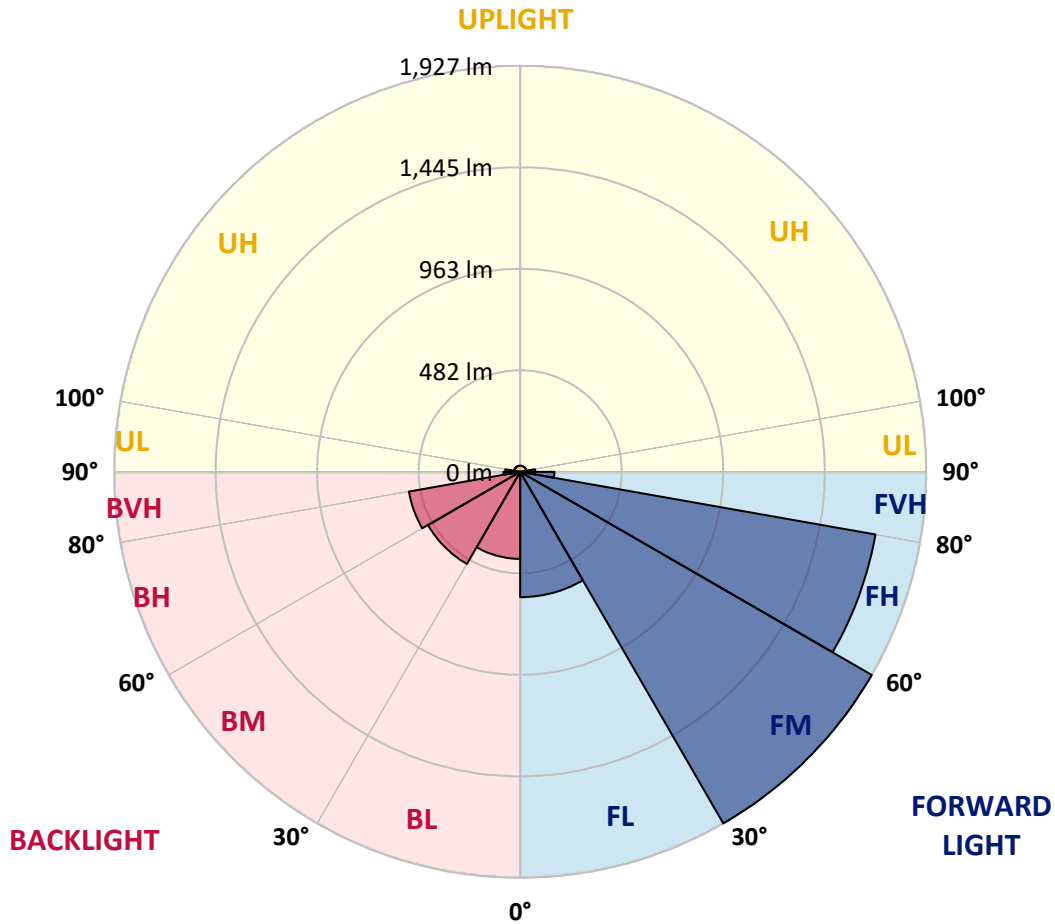
CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.9	9.9			
FM (30°-60°)	1926.6	31.9			
FH (60°-80°)	1711.8	28.4			G1/1800
FVH (80°-90°)	162.5	2.7			G2/225
BL (0°-30°)	413.2	6.9	B1/500		
BM (30°-60°)	505.1	8.4	B1/1000		
BH (60°-80°)	536.4	8.9	B2/1000		G2/1000
BVH (80°-90°)	79.4	1.3			G1/100
UL (90°-100°)	71.1	1.2		U3/500	
UH (100°-180°)	29.1	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short





REPORT NUMBER: P691707

CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9
2.5°	1097.3	1097.3	1095.0	1097.3	1102.0	1106.6	1102.0	1104.3	1106.6	1111.2	1113.5
5°	1138.9	1136.6	1132.0	1127.4	1122.8	1122.8	1118.1	1115.8	1120.4	1134.3	1138.9
7.5°	1173.6	1166.6	1162.0	1164.3	1157.4	1145.9	1136.6	1132.0	1127.4	1145.9	1152.8
10°	1229.0	1224.4	1208.2	1194.4	1185.1	1166.6	1145.9	1143.5	1141.2	1159.7	1164.3
12.5°	1284.5	1279.8	1270.6	1256.7	1226.7	1210.5	1178.2	1164.3	1162.0	1173.6	1164.3
15°	1365.3	1356.1	1330.7	1316.8	1286.8	1261.4	1222.1	1201.3	1205.9	1189.8	1185.1
17.5°	1411.5	1406.9	1404.6	1383.8	1360.7	1316.8	1279.8	1249.8	1259.1	1222.1	1208.2
20°	1462.4	1460.0	1464.7	1467.0	1436.9	1397.7	1351.5	1305.3	1307.6	1259.1	1231.3
22.5°	1527.0	1520.1	1529.3	1540.9	1515.5	1483.1	1423.1	1386.1	1367.6	1303.0	1270.6
25°	1603.3	1601.0	1601.0	1621.8	1617.1	1573.2	1515.5	1473.9	1455.4	1367.6	1319.1
27.5°	1681.8	1684.1	1688.8	1702.6	1709.5	1684.1	1628.7	1591.7	1557.1	1441.6	1393.0
30°	1732.6	1732.6	1765.0	1785.8	1795.0	1795.0	1728.0	1700.3	1665.7	1536.3	1476.2
32.5°	1795.0	1799.6	1829.7	1864.3	1878.2	1896.7	1841.2	1820.4	1790.4	1654.1	1598.7
35°	1838.9	1845.8	1892.1	1945.2	1982.1	1991.4	1959.0	1968.3	1954.4	1808.9	1778.9
37.5°	1647.2	1665.7	1735.0	1838.9	1938.3	2035.3	2069.9	2116.1	2123.1	1954.4	1882.8
40°	1434.6	1441.6	1520.1	1596.3	1718.8	1797.3	1885.1	1986.8	1931.3	1748.8	1735.0
42.5°	1272.9	1303.0	1411.5	1469.3	1564.0	1582.5	1538.6	1473.9	1374.6	1358.4	1351.5
45°	1245.2	1275.2	1383.8	1478.5	1524.7	1298.3	1175.9	1090.4	1129.7	1226.7	1215.2
47.5°	1374.6	1411.5	1524.7	1633.3	1538.6	1286.8	1205.9	1203.6	1171.3	1337.6	1367.6
50°	1453.1	1483.1	1614.8	1612.5	1536.3	1413.8	1457.7	1409.2	1351.5	1635.6	1804.3
52.5°	1492.4	1520.1	1566.3	1624.1	1631.0	1621.8	1633.3	1594.0	1506.2	1899.0	2026.0
55°	1383.8	1453.1	1654.1	1753.4	1795.0	1769.6	1776.5	1748.8	1691.1	2063.0	2257.1
57.5°	1732.6	1769.6	1843.5	1868.9	1894.4	1882.8	1892.1	1882.8	1829.7	2185.4	2374.9
60°	1933.6	1933.6	1966.0	1924.4	1938.3	1977.5	2005.2	2005.2	1949.8	2275.5	2423.4
62.5°	2148.5	2130.0	2005.2	1940.6	1956.7	2044.5	2086.1	2081.5	2023.7	2289.4	2434.9
65°	2106.9	2074.6	2030.7	1889.7	1908.2	2030.7	2088.4	2086.1	2026.0	2238.6	2398.0
67.5°	1797.3	1827.4	1880.5	1868.9	1822.7	1963.7	2053.8	2058.4	1989.1	2153.1	2331.0
70°	1557.1	1575.6	1607.9	1704.9	1725.7	1871.3	2014.5	2035.3	1942.9	2053.8	2236.3
72.5°	1356.1	1367.6	1342.2	1441.6	1515.5	1707.2	1875.9	1915.2	1820.4	1882.8	2076.9
75°	1159.7	1134.3	1104.3	1148.2	1205.9	1409.2	1614.8	1693.4	1610.2	1649.5	1841.2
77.5°	901.0	864.0	834.0	845.5	898.7	1074.2	1272.9	1397.7	1323.7	1321.4	1473.9
80°	614.5	582.2	561.4	556.8	596.0	704.6	847.8	995.7	931.0	868.6	935.6
82.5°	383.5	383.5	365.0	337.3	335.0	355.8	383.5	420.5	397.4	388.1	408.9
85°	240.3	242.6	233.3	203.3	196.4	201.0	214.8	224.1	217.2	224.1	231.0
87.5°	168.6	166.3	154.8	150.2	147.9	154.8	166.3	171.0	171.0	177.9	177.9
90°	127.1	127.1	120.1	117.8	117.8	124.8	136.3	145.5	152.5	164.0	164.0
92.5°	106.3	106.3	101.6	99.3	99.3	101.6	110.9	122.4	129.4	140.9	136.3
95°	87.8	87.8	85.5	85.5	85.5	87.8	92.4	99.3	101.6	101.6	101.6
97.5°	69.3	67.0	64.7	64.7	64.7	67.0	69.3	76.2	78.5	71.6	71.6
100°	48.5	46.2	43.9	46.2	46.2	46.2	48.5	50.8	50.8	46.2	43.9
102.5°	30.0	30.0	30.0	30.0	27.7	27.7	27.7	27.7	25.4	23.1	23.1
105°	20.8	20.8	18.5	18.5	18.5	18.5	16.2	16.2	16.2	13.9	13.9
107.5°	16.2	16.2	16.2	16.2	16.2	13.9	13.9	13.9	13.9	11.6	11.6
110°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	11.6	11.6	9.2	9.2



REPORT NUMBER: P691707

CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	13.9	13.9	13.9	13.9	13.9	11.6	11.6	11.6	11.6	9.2	9.2
115°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.2	9.2
117.5°	11.6	11.6	11.6	11.6	11.6	11.6	9.2	9.2	9.2	11.6	9.2
120°	11.6	11.6	11.6	11.6	9.2	9.2	9.2	9.2	9.2	9.2	9.2
122.5°	11.6	11.6	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
125°	9.2	9.2	9.2	9.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	6.9	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6	4.6
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: P691707

CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9	1108.9
2.5°	1113.5	1118.1	1127.4	1138.9	1148.2	1155.1	1159.7	1164.3	1164.3	1159.7	1164.3
5°	1138.9	1143.5	1159.7	1171.3	1171.3	1164.3	1159.7	1157.4	1162.0	1164.3	1169.0
7.5°	1159.7	1164.3	1157.4	1162.0	1166.6	1159.7	1150.5	1143.5	1136.6	1129.7	1134.3
10°	1162.0	1150.5	1150.5	1145.9	1129.7	1132.0	1129.7	1118.1	1108.9	1111.2	1113.5
12.5°	1159.7	1155.1	1136.6	1127.4	1120.4	1097.3	1088.1	1095.0	1081.2	1088.1	1078.9
15°	1180.5	1157.4	1138.9	1115.8	1090.4	1078.9	1062.7	1039.6	1030.3	1032.7	1035.0
17.5°	1194.4	1171.3	1127.4	1085.8	1071.9	1035.0	1016.5	1004.9	988.8	991.1	1000.3
20°	1217.5	1182.8	1120.4	1076.6	1009.6	984.1	961.0	947.2	933.3	912.5	903.3
22.5°	1249.8	1205.9	1111.2	1030.3	972.6	928.7	877.9	843.2	824.7	810.9	808.6
25°	1291.4	1240.6	1113.5	1009.6	917.1	852.5	808.6	748.5	704.6	700.0	706.9
27.5°	1367.6	1279.8	1127.4	977.2	870.9	771.6	690.7	649.2	598.3	586.8	586.8
30°	1441.6	1342.2	1118.1	949.5	792.4	681.5	572.9	494.4	466.7	445.9	443.6
32.5°	1577.9	1430.0	1166.6	907.9	720.8	547.5	427.4	341.9	323.4	316.5	314.2
35°	1702.6	1550.1	1171.3	854.8	614.5	425.1	307.3	249.5	238.0	231.0	228.7
37.5°	1836.6	1665.7	1217.5	810.9	510.6	300.3	221.8	177.9	164.0	154.8	150.2
40°	1681.8	1527.0	1196.7	737.0	378.9	191.7	138.6	97.0	83.2	83.2	83.2
42.5°	1316.8	1159.7	905.6	596.0	221.8	110.9	69.3	67.0	69.3	71.6	71.6
45°	1166.6	961.0	554.4	316.5	92.4	62.4	55.4	53.1	60.1	67.0	69.3
47.5°	1372.3	1143.5	427.4	221.8	99.3	62.4	50.8	50.8	48.5	43.9	43.9
50°	1855.1	1543.2	489.8	254.1	124.8	69.3	50.8	43.9	43.9	46.2	48.5
52.5°	2093.0	1718.8	577.5	330.4	182.5	94.7	55.4	43.9	39.3	32.3	32.3
55°	2298.6	1857.4	683.8	427.4	268.0	147.9	78.5	46.2	39.3	32.3	30.0
57.5°	2365.6	1873.6	797.0	538.3	365.0	231.0	136.3	64.7	41.6	34.7	32.3
60°	2374.9	1892.1	882.5	656.1	475.9	337.3	224.1	117.8	53.1	41.6	39.3
62.5°	2386.4	1896.7	947.2	741.6	586.8	457.4	323.4	187.1	80.9	48.5	46.2
65°	2344.8	1841.2	931.0	723.1	619.1	505.9	371.9	219.5	92.4	55.4	53.1
67.5°	2275.5	1792.7	864.0	665.3	559.1	441.2	318.8	177.9	85.5	64.7	62.4
70°	2220.1	1744.2	829.4	660.7	517.5	385.8	256.4	129.4	101.6	87.8	83.2
72.5°	2083.8	1628.7	801.6	658.4	517.5	376.6	249.5	138.6	138.6	140.9	131.7
75°	1855.1	1455.4	760.1	639.9	505.9	374.3	240.3	150.2	150.2	134.0	127.1
77.5°	1531.7	1192.1	672.3	584.5	459.7	330.4	196.4	124.8	120.1	104.0	99.3
80°	1014.2	854.8	536.0	482.8	378.9	265.7	145.5	97.0	90.1	76.2	71.6
82.5°	455.1	408.9	339.6	341.9	272.6	189.4	99.3	67.0	62.4	50.8	48.5
85°	249.5	235.6	184.8	161.7	138.6	99.3	57.8	43.9	37.0	27.7	27.7
87.5°	189.4	182.5	136.3	106.3	80.9	57.8	37.0	27.7	20.8	13.9	11.6
90°	173.3	164.0	110.9	85.5	64.7	46.2	30.0	18.5	13.9	9.2	6.9
92.5°	145.5	138.6	90.1	71.6	55.4	41.6	25.4	13.9	9.2	4.6	4.6
95°	106.3	104.0	67.0	55.4	43.9	34.7	20.8	11.6	6.9	4.6	2.3
97.5°	71.6	69.3	48.5	41.6	34.7	25.4	16.2	9.2	4.6	2.3	2.3
100°	43.9	43.9	30.0	27.7	23.1	18.5	11.6	6.9	4.6	2.3	2.3
102.5°	23.1	20.8	16.2	16.2	13.9	11.6	9.2	4.6	2.3	0.0	0.0
105°	13.9	11.6	11.6	9.2	9.2	6.9	6.9	4.6	2.3	0.0	0.0
107.5°	11.6	9.2	9.2	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0
110°	9.2	9.2	6.9	6.9	4.6	4.6	4.6	2.3	0.0	0.0	0.0



REPORT NUMBER: P691707

CATALOG NUMBER: CRTK2-C018-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
115°	9.2	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
117.5°	9.2	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
120°	9.2	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
122.5°	9.2	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
125°	6.9	4.6	4.6	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0
127.5°	6.9	4.6	4.6	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0
130°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	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)