

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: P691523

Luminaire Tested: **CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691523
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-C016-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: 5169 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 41.6
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

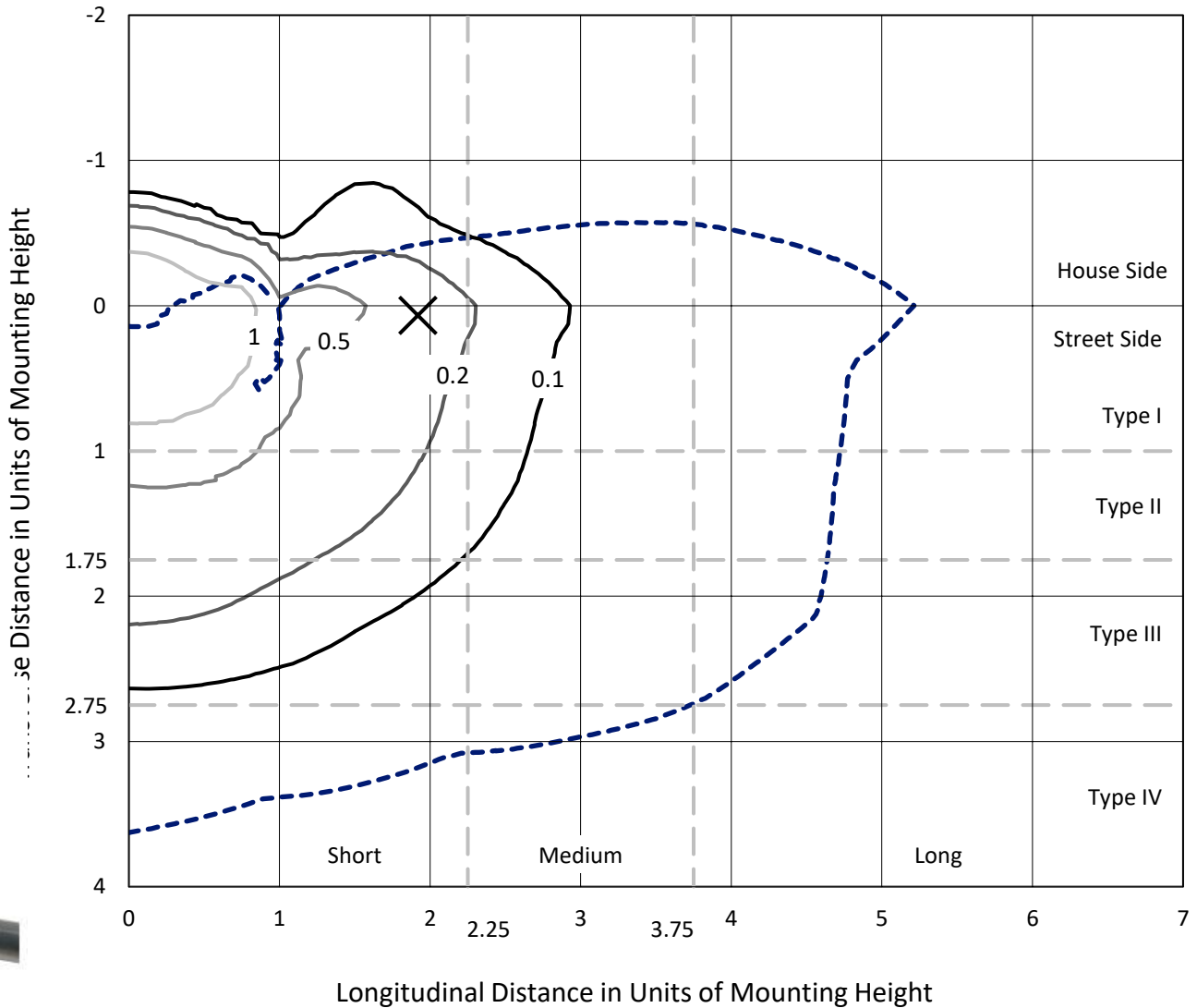


REPORT NUMBER: P691523

CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

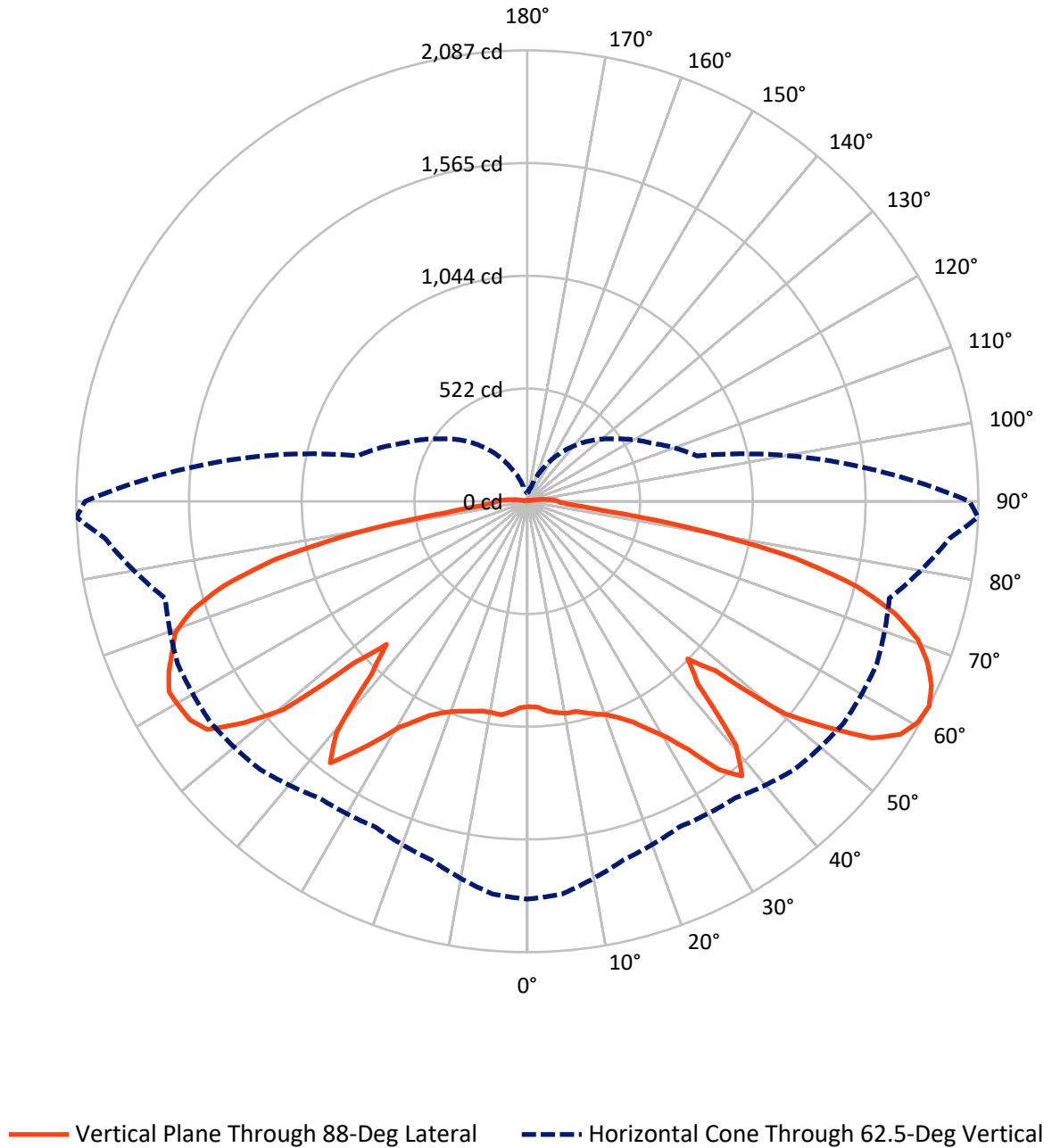
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P691523
CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot





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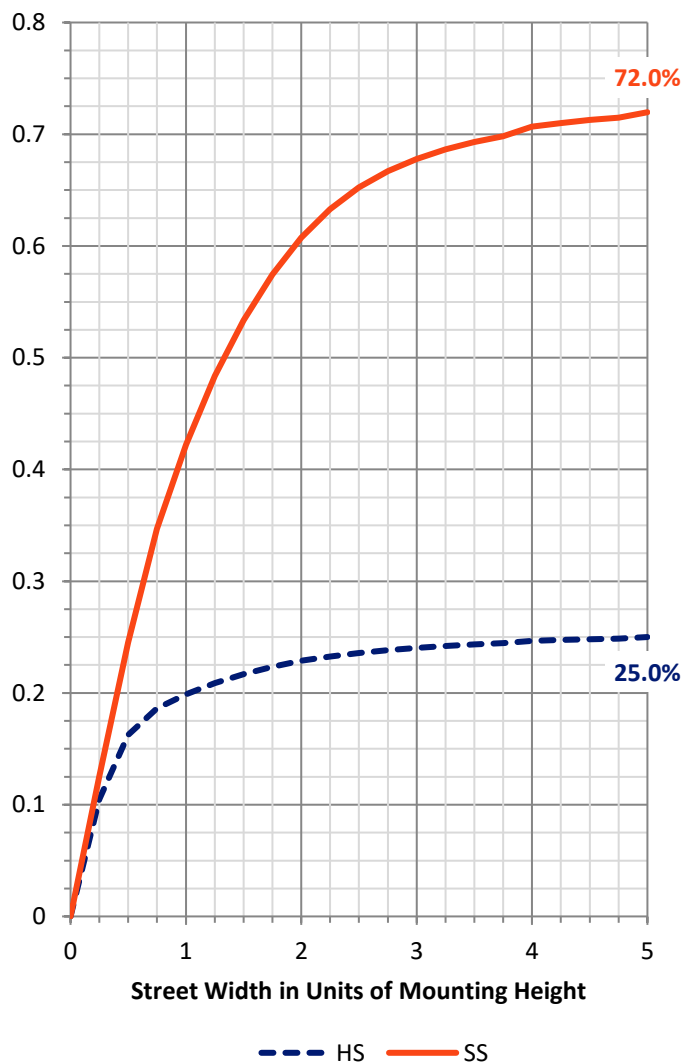
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1315.0	24.8	1339.8
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3768.1	61.1	3829.2
	% Fixture	72.9	1.2	74.1
Total	Lumens	5083.1	85.9	5169.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.8
10°-20°	286.0	5.5
20°-30°	484.5	9.4
30°-40°	668.7	12.9
40°-50°	578.4	11.2
50°-60°	837.4	16.2
60°-70°	1096.1	21.2
70°-80°	831.0	16.1
80°-90°	207.3	4.0
90°-100°	61.0	1.2
100°-110°	14.1	0.3
110°-120°	6.3	0.1
120°-130°	4.1	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°	5083.1	98.3
0°-180°	5169.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691523

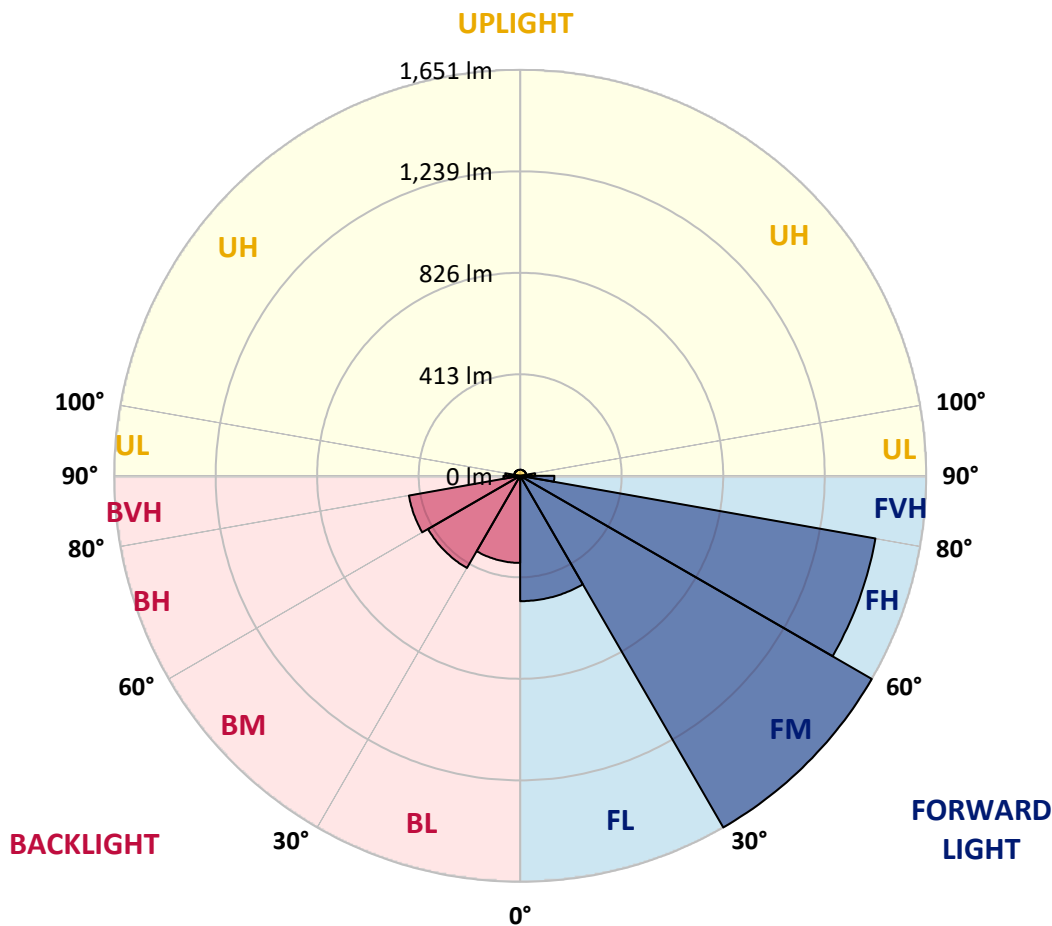
CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.0	9.9			
FM (30°-60°)	1651.5	31.9			
FH (60°-80°)	1467.4	28.4			G1/1800
FVH (80°-90°)	139.3	2.7			G2/225
BL (0°-30°)	354.2	6.9	B1/500		
BM (30°-60°)	433.0	8.4	B1/1000		
BH (60°-80°)	459.8	8.9	B1/500		G1/500
BVH (80°-90°)	68.1	1.3			G1/100
UL (90°-100°)	61.0	1.2		U3/500	
UH (100°-180°)	24.9	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P691523

CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6
2.5°	940.7	940.7	938.7	940.7	944.6	948.6	944.6	946.6	948.6	952.5	954.5
5°	976.3	974.3	970.4	966.4	962.4	962.4	958.5	956.5	960.5	972.3	976.3
7.5°	1006.0	1000.1	996.1	998.1	992.1	982.2	974.3	970.4	966.4	982.2	988.2
10°	1053.5	1049.6	1035.7	1023.8	1015.9	1000.1	982.2	980.3	978.3	994.1	998.1
12.5°	1101.1	1097.1	1089.2	1077.3	1051.6	1037.7	1010.0	998.1	996.1	1006.0	998.1
15°	1170.4	1162.5	1140.7	1128.8	1103.0	1081.3	1047.6	1029.8	1033.7	1019.9	1015.9
17.5°	1210.0	1206.0	1204.0	1186.2	1166.4	1128.8	1097.1	1071.4	1079.3	1047.6	1035.7
20°	1253.6	1251.6	1255.5	1257.5	1231.8	1198.1	1158.5	1118.9	1120.9	1079.3	1055.5
22.5°	1309.0	1303.1	1311.0	1320.9	1299.1	1271.4	1219.9	1188.2	1172.4	1116.9	1089.2
25°	1374.4	1372.4	1372.4	1390.2	1386.2	1348.6	1299.1	1263.5	1247.6	1172.4	1130.8
27.5°	1441.7	1443.7	1447.6	1459.5	1465.4	1443.7	1396.1	1364.4	1334.7	1235.7	1194.1
30°	1485.2	1485.2	1513.0	1530.8	1538.7	1538.7	1481.3	1457.5	1427.8	1316.9	1265.4
32.5°	1538.7	1542.7	1568.4	1598.1	1610.0	1625.9	1578.3	1560.5	1534.8	1417.9	1370.4
35°	1576.3	1582.3	1621.9	1667.4	1699.1	1707.0	1679.3	1687.2	1675.4	1550.6	1524.9
37.5°	1412.0	1427.8	1487.2	1576.3	1661.5	1744.7	1774.4	1814.0	1819.9	1675.4	1614.0
40°	1229.8	1235.7	1303.1	1368.4	1473.4	1540.7	1616.0	1703.1	1655.6	1499.1	1487.2
42.5°	1091.2	1116.9	1210.0	1259.5	1340.7	1356.5	1318.9	1263.5	1178.3	1164.4	1158.5
45°	1067.4	1093.1	1186.2	1267.4	1307.0	1112.9	1008.0	934.7	968.4	1051.6	1041.7
47.5°	1178.3	1210.0	1307.0	1400.1	1318.9	1103.0	1033.7	1031.8	1004.0	1146.6	1172.4
50°	1245.6	1271.4	1384.3	1382.3	1316.9	1212.0	1249.6	1208.0	1158.5	1402.1	1546.6
52.5°	1279.3	1303.1	1342.7	1392.2	1398.1	1390.2	1400.1	1366.4	1291.2	1627.8	1736.8
55°	1186.2	1245.6	1417.9	1503.1	1538.7	1516.9	1522.9	1499.1	1449.6	1768.4	1934.8
57.5°	1485.2	1516.9	1580.3	1602.1	1623.9	1614.0	1621.9	1614.0	1568.4	1873.4	2035.8
60°	1657.5	1657.5	1685.3	1649.6	1661.5	1695.2	1718.9	1718.9	1671.4	1950.6	2077.4
62.5°	1841.7	1825.9	1718.9	1663.5	1677.3	1752.6	1788.2	1784.3	1734.8	1962.5	2087.3
65°	1806.1	1778.3	1740.7	1619.9	1635.8	1740.7	1790.2	1788.2	1736.8	1918.9	2055.6
67.5°	1540.7	1566.4	1612.0	1602.1	1562.5	1683.3	1760.5	1764.5	1705.1	1845.7	1998.2
70°	1334.7	1350.6	1378.3	1461.5	1479.3	1604.1	1726.8	1744.7	1665.5	1760.5	1917.0
72.5°	1162.5	1172.4	1150.6	1235.7	1299.1	1463.5	1608.0	1641.7	1560.5	1614.0	1780.3
75°	994.1	972.3	946.6	984.2	1033.7	1208.0	1384.3	1451.6	1380.3	1414.0	1578.3
77.5°	772.3	740.6	714.9	724.8	770.3	920.9	1091.2	1198.1	1134.7	1132.7	1263.5
80°	526.8	499.0	481.2	477.3	510.9	604.0	726.8	853.5	798.1	744.6	802.0
82.5°	328.7	328.7	312.9	289.1	287.1	305.0	328.7	360.4	340.6	332.7	350.5
85°	206.0	207.9	200.0	174.3	168.3	172.3	184.2	192.1	186.2	192.1	198.0
87.5°	144.6	142.6	132.7	128.7	126.7	132.7	142.6	146.5	146.5	152.5	152.5
90°	108.9	108.9	103.0	101.0	101.0	106.9	116.8	124.8	130.7	140.6	140.6
92.5°	91.1	91.1	87.1	85.2	85.2	87.1	95.1	105.0	110.9	120.8	116.8
95°	75.3	75.3	73.3	73.3	73.3	75.3	79.2	85.2	87.1	87.1	87.1
97.5°	59.4	57.4	55.4	55.4	55.4	57.4	59.4	65.4	67.3	61.4	61.4
100°	41.6	39.6	37.6	39.6	39.6	39.6	41.6	43.6	43.6	39.6	37.6
102.5°	25.7	25.7	25.7	25.7	23.8	23.8	23.8	23.8	21.8	19.8	19.8
105°	17.8	17.8	15.8	15.8	15.8	15.8	13.9	13.9	13.9	11.9	11.9
107.5°	13.9	13.9	13.9	13.9	13.9	11.9	11.9	11.9	11.9	9.9	9.9
110°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	9.9	9.9	7.9	7.9



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CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	11.9	11.9	11.9	11.9	11.9	9.9	9.9	9.9	9.9	7.9	7.9
115°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	7.9	7.9
117.5°	9.9	9.9	9.9	9.9	9.9	9.9	7.9	7.9	7.9	9.9	7.9
120°	9.9	9.9	9.9	9.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
122.5°	9.9	9.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
125°	7.9	7.9	7.9	7.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
130°	5.9	5.9	5.9	5.9	5.9	5.9	4.0	4.0	4.0	4.0	4.0
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



REPORT NUMBER: P691523

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6
2.5°	954.5	958.5	966.4	976.3	984.2	990.2	994.1	998.1	998.1	994.1	998.1
5°	976.3	980.3	994.1	1004.0	1004.0	998.1	994.1	992.1	996.1	998.1	1002.0
7.5°	994.1	998.1	992.1	996.1	1000.1	994.1	986.2	980.3	974.3	968.4	972.3
10°	996.1	986.2	986.2	982.2	968.4	970.4	968.4	958.5	950.6	952.5	954.5
12.5°	994.1	990.2	974.3	966.4	960.5	940.7	932.7	938.7	926.8	932.7	924.8
15°	1011.9	992.1	976.3	956.5	934.7	924.8	911.0	891.1	883.2	885.2	887.2
17.5°	1023.8	1004.0	966.4	930.8	918.9	887.2	871.3	861.4	847.6	849.6	857.5
20°	1043.6	1013.9	960.5	922.8	865.4	843.6	823.8	811.9	800.1	782.2	774.3
22.5°	1071.4	1033.7	952.5	883.2	833.7	796.1	752.5	722.8	707.0	695.1	693.1
25°	1107.0	1063.4	954.5	865.4	786.2	730.7	693.1	641.6	604.0	600.0	606.0
27.5°	1172.4	1097.1	966.4	837.7	746.6	661.4	592.1	556.5	512.9	503.0	503.0
30°	1235.7	1150.6	958.5	813.9	679.3	584.2	491.1	423.8	400.0	382.2	380.2
32.5°	1352.6	1225.8	1000.1	778.3	617.9	469.3	366.4	293.1	277.2	271.3	269.3
35°	1459.5	1328.8	1004.0	732.7	526.8	364.4	263.4	213.9	204.0	198.0	196.1
37.5°	1574.4	1427.8	1043.6	695.1	437.7	257.4	190.1	152.5	140.6	132.7	128.7
40°	1441.7	1309.0	1025.8	631.7	324.8	164.4	118.8	83.2	71.3	71.3	71.3
42.5°	1128.8	994.1	776.3	510.9	190.1	95.1	59.4	57.4	59.4	61.4	61.4
45°	1000.1	823.8	475.3	271.3	79.2	53.5	47.5	45.5	51.5	57.4	59.4
47.5°	1176.3	980.3	366.4	190.1	85.2	53.5	43.6	43.6	41.6	37.6	37.6
50°	1590.2	1322.9	419.8	217.8	106.9	59.4	43.6	37.6	37.6	39.6	41.6
52.5°	1794.2	1473.4	495.1	283.2	156.4	81.2	47.5	37.6	33.7	27.7	27.7
55°	1970.4	1592.2	586.2	366.4	229.7	126.7	67.3	39.6	33.7	27.7	25.7
57.5°	2027.9	1606.0	683.2	461.4	312.9	198.0	116.8	55.4	35.6	29.7	27.7
60°	2035.8	1621.9	756.5	562.4	407.9	289.1	192.1	101.0	45.5	35.6	33.7
62.5°	2045.7	1625.9	811.9	635.7	503.0	392.1	277.2	160.4	69.3	41.6	39.6
65°	2010.0	1578.3	798.1	619.8	530.7	433.7	318.8	188.1	79.2	47.5	45.5
67.5°	1950.6	1536.7	740.6	570.3	479.2	378.2	273.3	152.5	73.3	55.4	53.5
70°	1903.1	1495.2	710.9	566.4	443.6	330.7	219.8	110.9	87.1	75.3	71.3
72.5°	1786.3	1396.1	687.2	564.4	443.6	322.8	213.9	118.8	118.8	120.8	112.9
75°	1590.2	1247.6	651.5	548.6	433.7	320.8	206.0	128.7	128.7	114.9	108.9
77.5°	1313.0	1021.9	576.3	501.0	394.1	283.2	168.3	106.9	103.0	89.1	85.2
80°	869.4	732.7	459.4	413.9	324.8	227.7	124.8	83.2	77.2	65.4	61.4
82.5°	390.1	350.5	291.1	293.1	233.7	162.4	85.2	57.4	53.5	43.6	41.6
85°	213.9	202.0	158.4	138.6	118.8	85.2	49.5	37.6	31.7	23.8	23.8
87.5°	162.4	156.4	116.8	91.1	69.3	49.5	31.7	23.8	17.8	11.9	9.9
90°	148.5	140.6	95.1	73.3	55.4	39.6	25.7	15.8	11.9	7.9	5.9
92.5°	124.8	118.8	77.2	61.4	47.5	35.6	21.8	11.9	7.9	4.0	4.0
95°	91.1	89.1	57.4	47.5	37.6	29.7	17.8	9.9	5.9	4.0	2.0
97.5°	61.4	59.4	41.6	35.6	29.7	21.8	13.9	7.9	4.0	2.0	2.0
100°	37.6	37.6	25.7	23.8	19.8	15.8	9.9	5.9	4.0	2.0	2.0
102.5°	19.8	17.8	13.9	13.9	11.9	9.9	7.9	4.0	2.0	0.0	0.0
105°	11.9	9.9	9.9	7.9	7.9	5.9	5.9	4.0	2.0	0.0	0.0
107.5°	9.9	7.9	7.9	5.9	5.9	4.0	4.0	2.0	2.0	0.0	0.0
110°	7.9	7.9	5.9	5.9	4.0	4.0	4.0	2.0	0.0	0.0	0.0



REPORT NUMBER: P691523

CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.9	5.9	5.9	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
115°	7.9	5.9	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
117.5°	7.9	5.9	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
120°	7.9	5.9	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
122.5°	7.9	5.9	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
125°	5.9	4.0	4.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	5.9	4.0	4.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	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)