

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: P691524

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5981 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

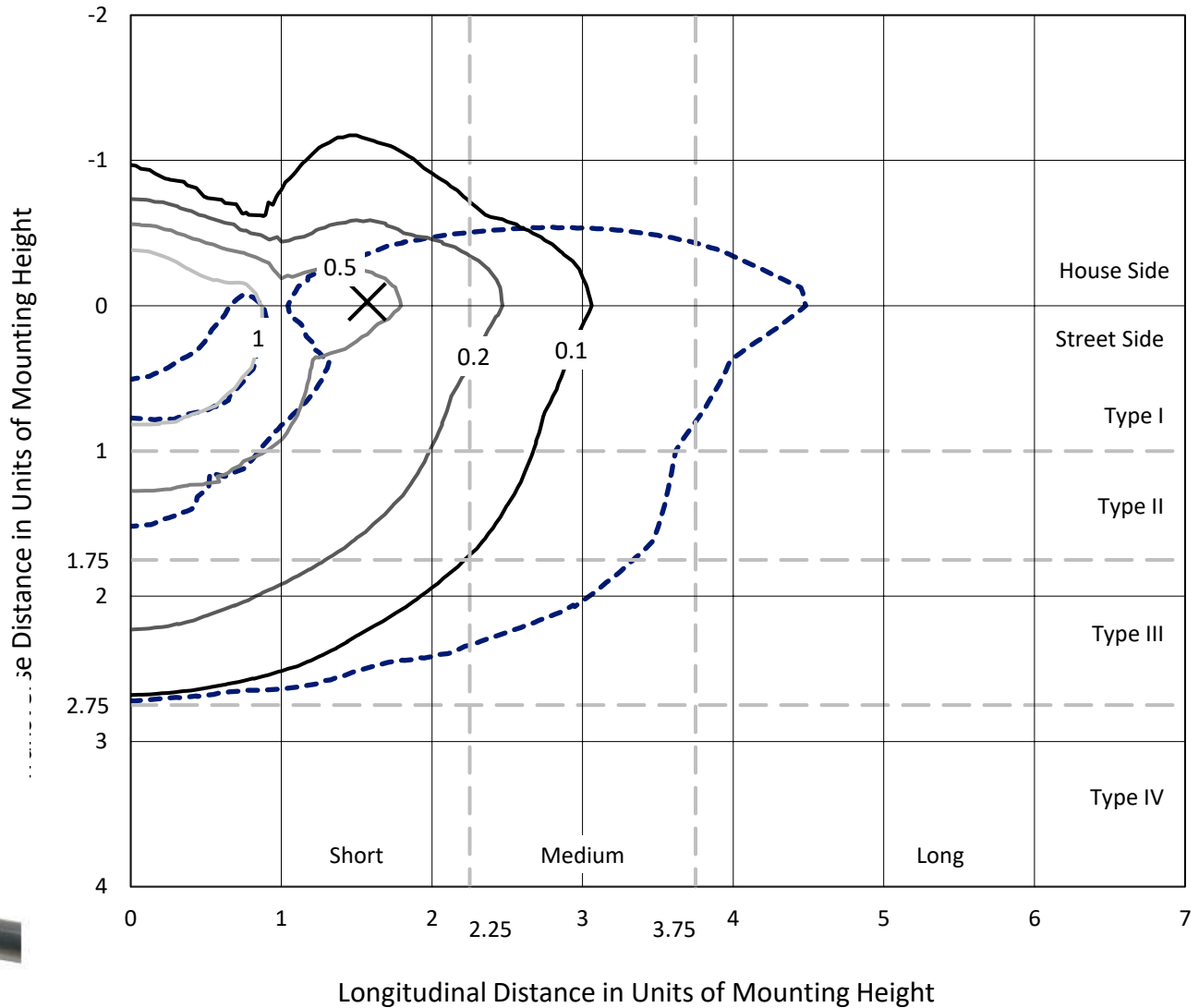
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

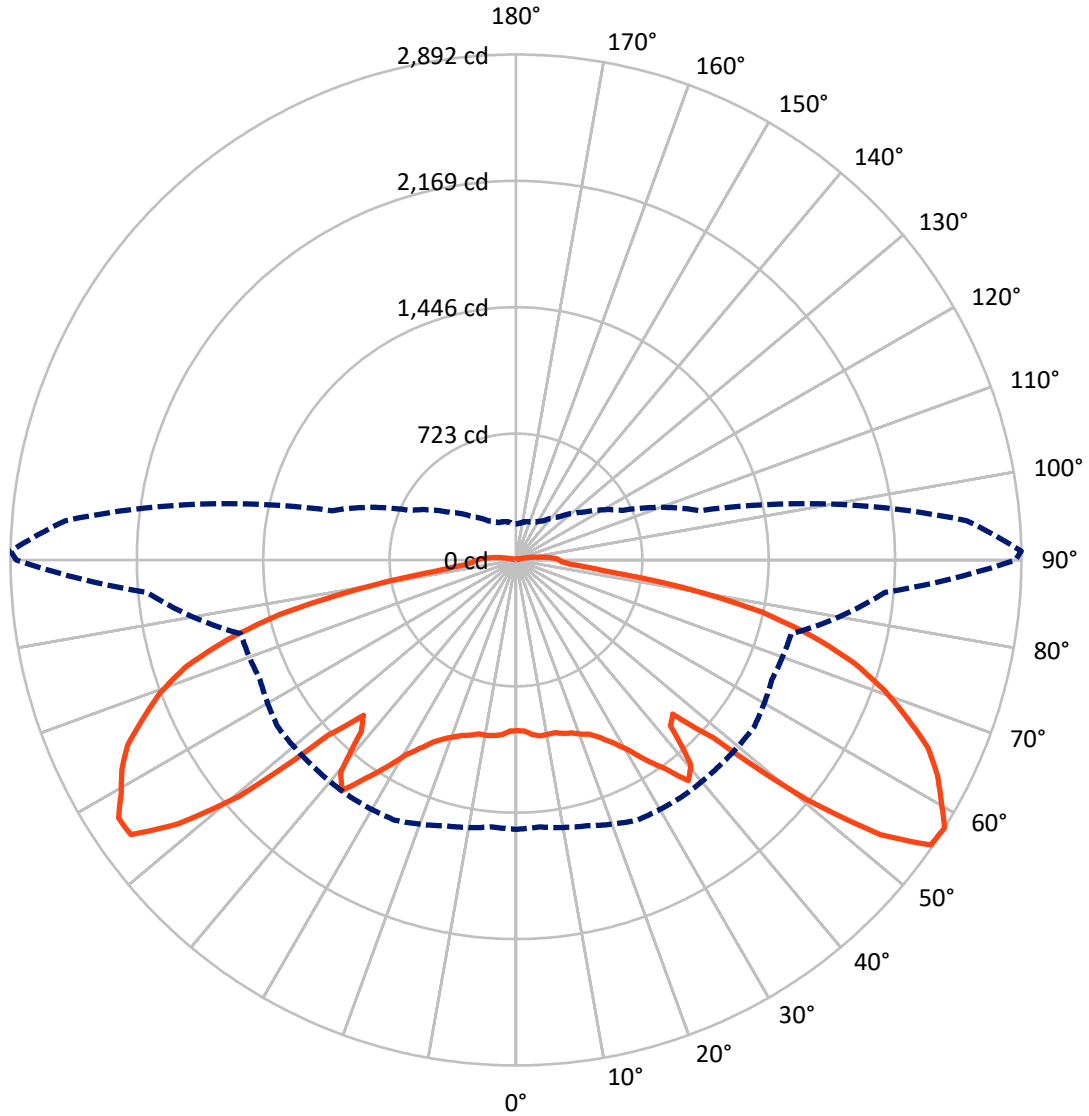
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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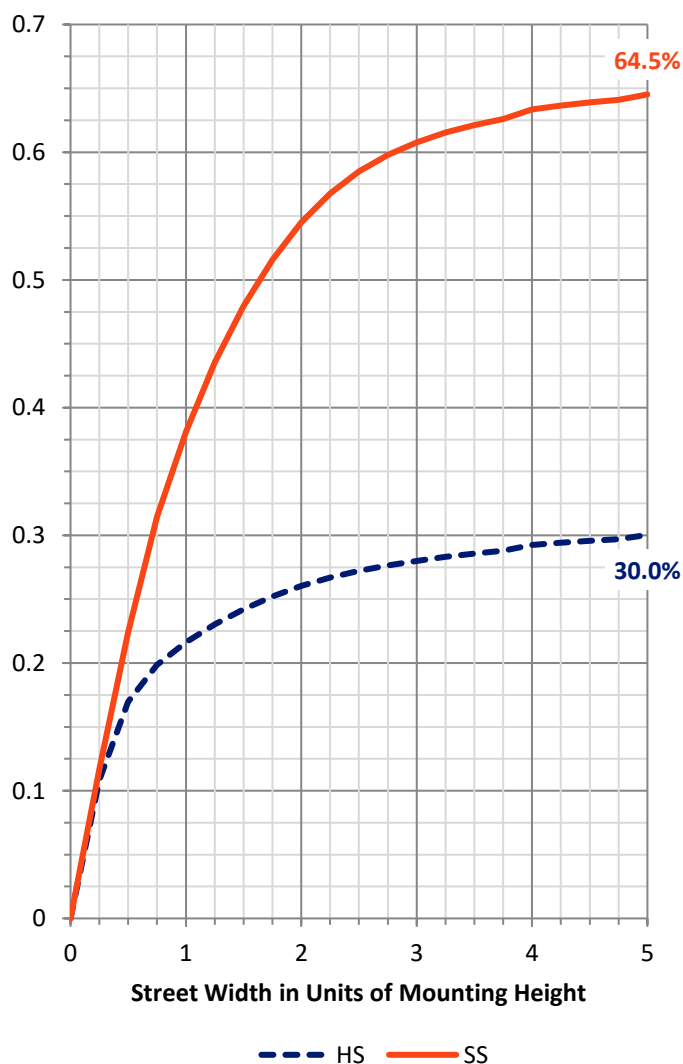
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1898.5	92.3	1990.8
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	3911.2	79.0	3990.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	5809.7	171.3	5981.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	1.6
10°-20°	290.7	4.9
20°-30°	494.2	8.3
30°-40°	695.4	11.6
40°-50°	660.3	11.0
50°-60°	989.2	16.5
60°-70°	1280.0	21.4
70°-80°	968.7	16.2
80°-90°	335.6	5.6
90°-100°	126.0	2.1
100°-110°	29.5	0.5
110°-120°	10.2	0.2
120°-130°	5.2	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°	5809.7	97.1
0°-180°	5981.0	100.0

Coefficient of Utilization



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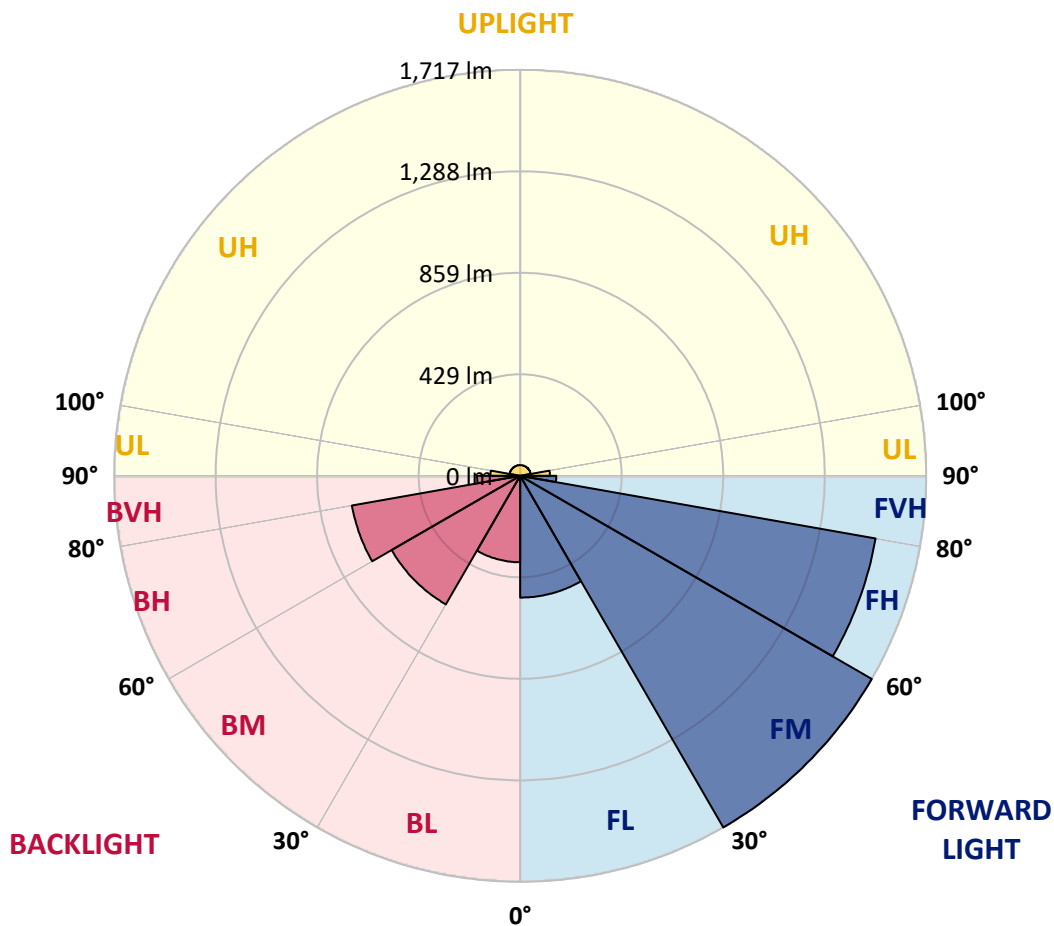
CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.9	8.6			
FM (30°-60°)	1717.0	28.7			
FH (60°-80°)	1526.3	25.5			G1/1800
FVH (80°-90°)	153.0	2.6			G2/225
BL (0°-30°)	365.5	6.1	B1/500		
BM (30°-60°)	627.9	10.5	B1/1000		
BH (60°-80°)	722.5	12.1	B2/1000		G2/1000
BVH (80°-90°)	182.6	3.1			G2/225
UL (90°-100°)	126.0	2.1		U3/500	
UH (100°-180°)	45.3	0.8		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°	90°
0°	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5
2.5°	958.7	958.7	958.7	960.7	966.6	970.6	972.6	970.6	972.6	976.5	980.5
5°	986.4	984.4	982.5	978.5	976.5	976.5	978.5	978.5	982.5	996.3	1004.2
7.5°	1012.2	1008.2	1006.2	1006.2	1004.2	994.3	992.4	986.4	984.4	1002.3	1014.1
10°	1059.7	1055.7	1043.9	1030.0	1026.0	1014.1	996.3	992.4	994.3	1014.1	1018.1
12.5°	1103.3	1101.3	1093.4	1079.5	1059.7	1047.8	1022.1	1010.2	1012.2	1024.1	1016.1
15°	1176.6	1168.6	1144.9	1133.0	1113.2	1091.4	1057.7	1043.9	1047.8	1037.9	1034.0
17.5°	1220.1	1214.2	1214.2	1192.4	1178.6	1140.9	1109.2	1083.5	1093.4	1067.6	1045.8
20°	1259.8	1259.8	1261.7	1265.7	1240.0	1210.2	1166.7	1135.0	1137.0	1099.3	1067.6
22.5°	1321.2	1315.2	1321.2	1327.1	1309.3	1283.5	1230.1	1198.4	1184.5	1137.0	1095.4
25°	1384.6	1380.6	1380.6	1396.4	1402.4	1362.8	1313.2	1279.6	1259.8	1190.4	1135.0
27.5°	1447.9	1449.9	1455.9	1461.8	1471.7	1451.9	1402.4	1376.6	1350.9	1253.8	1198.4
30°	1499.4	1495.5	1521.2	1535.1	1545.0	1552.9	1497.5	1469.7	1442.0	1335.0	1269.7
32.5°	1556.9	1556.9	1580.6	1606.4	1620.3	1636.1	1590.6	1572.7	1543.0	1432.1	1388.5
35°	1604.4	1604.4	1640.1	1683.6	1709.4	1721.3	1697.5	1695.5	1689.6	1564.8	1501.4
37.5°	1444.0	1463.8	1519.2	1606.4	1705.4	1784.7	1790.6	1830.2	1850.0	1715.3	1634.1
40°	1259.8	1265.7	1331.1	1408.3	1501.4	1600.5	1695.5	1812.4	1798.5	1636.1	1564.8
42.5°	1135.0	1150.8	1234.0	1293.4	1354.8	1416.2	1416.2	1412.3	1313.2	1343.0	1315.2
45°	1123.1	1127.1	1196.4	1285.5	1309.3	1224.1	1105.3	1039.9	1047.8	1192.4	1257.8
47.5°	1245.9	1251.8	1323.1	1408.3	1323.1	1172.6	1055.7	1045.8	1039.9	1295.4	1517.3
50°	1311.3	1315.2	1382.6	1426.1	1293.4	1291.5	1293.4	1257.8	1226.1	1699.5	2176.9
52.5°	1350.9	1354.8	1350.9	1406.3	1360.8	1465.8	1430.1	1370.7	1346.9	1968.9	2571.0
55°	1245.9	1271.6	1378.6	1525.2	1529.1	1564.8	1550.9	1497.5	1495.5	2069.9	2866.2
57.5°	1541.0	1533.1	1574.7	1642.1	1653.9	1655.9	1663.8	1616.3	1630.2	2121.4	2858.2
60°	1745.0	1723.3	1679.7	1711.4	1725.2	1747.0	1774.8	1721.3	1737.1	2167.0	2733.4
62.5°	1937.2	1903.5	1735.1	1729.2	1751.0	1794.6	1834.2	1792.6	1806.5	2182.8	2646.3
65°	1909.5	1879.7	1753.0	1683.6	1715.3	1774.8	1830.2	1810.4	1806.5	2149.1	2539.3
67.5°	1646.0	1648.0	1634.1	1634.1	1622.2	1707.4	1796.5	1798.5	1778.7	2064.0	2378.9
70°	1414.3	1406.3	1428.1	1511.3	1523.2	1624.2	1743.1	1762.9	1737.1	1968.9	2224.4
72.5°	1204.3	1198.4	1202.3	1271.6	1370.7	1481.6	1616.3	1663.8	1626.2	1798.5	2036.2
75°	996.3	990.4	988.4	1012.2	1091.4	1230.1	1384.6	1469.7	1438.0	1550.9	1760.9
77.5°	756.7	744.8	744.8	752.7	812.1	936.9	1085.5	1204.3	1188.5	1249.9	1420.2
80°	503.1	505.1	501.1	499.2	538.8	612.1	721.0	863.6	855.7	855.7	942.8
82.5°	318.9	318.9	324.8	305.0	301.1	309.0	334.7	392.2	396.2	433.8	463.5
85°	204.0	206.0	206.0	186.2	180.2	186.2	204.0	221.8	229.8	267.4	301.1
87.5°	148.6	148.6	144.6	140.6	142.6	148.6	162.4	178.3	192.1	221.8	251.6
90°	112.9	112.9	110.9	108.9	112.9	120.8	138.7	156.5	174.3	208.0	235.7
92.5°	93.1	93.1	91.1	91.1	93.1	99.0	114.9	134.7	152.5	180.2	206.0
95°	77.2	79.2	77.2	79.2	81.2	85.2	95.1	110.9	122.8	140.6	158.5
97.5°	61.4	63.4	63.4	63.4	65.4	71.3	77.2	87.2	95.1	103.0	114.9
100°	45.6	47.5	47.5	47.5	49.5	55.5	61.4	65.4	67.3	69.3	75.3
102.5°	33.7	35.7	35.7	35.7	35.7	39.6	41.6	43.6	43.6	43.6	45.6
105°	23.8	23.8	23.8	23.8	23.8	23.8	25.7	25.7	25.7	25.7	25.7
107.5°	17.8	17.8	17.8	17.8	17.8	17.8	19.8	19.8	19.8	19.8	19.8
110°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	17.8	15.8	15.8	17.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.9	13.9	13.9	13.9	13.9	13.9	15.8	15.8	13.9	13.9	13.9
115°	11.9	11.9	11.9	11.9	11.9	11.9	13.9	13.9	11.9	11.9	11.9
117.5°	9.9	9.9	9.9	9.9	9.9	9.9	11.9	11.9	9.9	11.9	11.9
120°	9.9	11.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	11.9
122.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	9.9	9.9
125°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.9	7.9
130°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5	976.5
2.5°	980.5	984.4	992.4	1000.3	1008.2	1016.1	1020.1	1022.1	1024.1	1020.1	1022.1
5°	1004.2	1008.2	1020.1	1032.0	1030.0	1024.1	1016.1	1016.1	1018.1	1018.1	1022.1
7.5°	1016.1	1022.1	1018.1	1020.1	1024.1	1018.1	1010.2	1000.3	988.4	988.4	990.4
10°	1014.1	1008.2	1014.1	1008.2	994.3	992.4	988.4	974.5	966.6	968.6	968.6
12.5°	1014.1	1012.2	1000.3	994.3	982.5	960.7	950.8	954.7	944.8	946.8	942.8
15°	1030.0	1016.1	1000.3	980.5	954.7	942.8	929.0	907.2	905.2	905.2	905.2
17.5°	1039.9	1030.0	994.3	954.7	936.9	907.2	891.3	885.4	869.6	875.5	879.5
20°	1063.7	1039.9	988.4	946.8	885.4	867.6	841.8	835.9	828.0	804.2	796.3
22.5°	1083.5	1061.7	982.5	909.2	857.7	816.1	776.5	748.7	734.9	725.0	717.0
25°	1127.1	1093.4	988.4	891.3	812.1	758.6	723.0	673.5	639.8	635.8	639.8
27.5°	1184.5	1131.0	1002.3	867.6	776.5	693.3	622.0	588.3	552.6	540.7	542.7
30°	1257.8	1186.5	1000.3	845.8	713.1	618.0	526.9	469.4	441.7	429.8	427.8
32.5°	1362.8	1263.7	1045.8	818.1	655.6	513.0	414.0	342.7	328.8	326.8	324.8
35°	1465.8	1388.5	1067.6	776.5	572.4	412.0	313.0	269.4	267.4	265.4	263.4
37.5°	1602.4	1511.3	1129.0	750.7	493.2	311.0	251.6	219.9	213.9	204.0	208.0
40°	1541.0	1465.8	1146.9	711.1	382.3	229.8	188.2	162.4	158.5	160.4	158.5
42.5°	1297.4	1241.9	1000.3	612.1	263.4	168.4	140.6	144.6	152.5	158.5	158.5
45°	1257.8	1148.8	721.0	433.8	170.3	140.6	136.7	142.6	156.5	170.3	172.3
47.5°	1519.2	1380.6	631.9	334.7	196.1	160.4	146.6	146.6	154.5	156.5	154.5
50°	2153.1	1943.1	738.8	384.3	243.6	194.1	168.4	158.5	162.4	166.4	164.4
52.5°	2610.6	2347.2	841.8	459.5	305.0	231.7	198.1	174.3	170.3	170.3	168.4
55°	2878.0	2578.9	962.6	566.5	382.3	279.3	229.8	202.0	192.1	184.2	184.2
57.5°	2891.9	2586.9	1089.4	671.5	477.4	348.6	273.3	235.7	227.8	210.0	206.0
60°	2794.9	2553.2	1186.5	776.5	568.5	445.7	348.6	293.2	283.2	273.3	267.4
62.5°	2705.7	2497.7	1234.0	863.6	665.5	554.6	443.7	366.4	334.7	346.6	354.6
65°	2590.8	2436.3	1202.3	871.5	709.1	620.0	513.0	400.1	346.6	372.4	386.2
67.5°	2414.5	2275.9	1123.1	800.2	661.6	580.4	481.3	376.3	334.7	344.7	344.7
70°	2236.3	2087.7	1045.8	744.8	596.2	511.0	417.9	336.7	330.8	324.8	324.8
72.5°	2026.3	1850.0	944.8	711.1	570.5	497.2	406.1	338.7	354.6	362.5	362.5
75°	1760.9	1564.8	837.9	681.4	558.6	507.1	408.0	364.5	392.2	396.2	396.2
77.5°	1442.0	1228.1	713.1	627.9	524.9	487.3	380.3	358.5	386.2	392.2	394.2
80°	992.4	869.6	598.2	546.7	469.4	437.7	350.6	348.6	376.3	390.2	392.2
82.5°	503.1	495.2	435.8	429.8	400.1	382.3	324.8	338.7	368.4	388.2	390.2
85°	311.0	322.9	291.2	287.2	297.1	305.0	295.1	322.9	344.7	366.4	370.4
87.5°	259.5	273.3	243.6	231.7	235.7	249.6	261.5	291.2	311.0	328.8	330.8
90°	243.6	255.5	208.0	198.1	206.0	215.9	223.8	239.7	255.5	265.4	265.4
92.5°	213.9	217.9	172.3	164.4	176.3	182.2	180.2	184.2	184.2	164.4	164.4
95°	164.4	164.4	130.7	130.7	140.6	142.6	128.7	116.9	108.9	65.4	55.5
97.5°	118.8	116.9	95.1	95.1	103.0	101.0	85.2	71.3	59.4	37.6	39.6
100°	79.2	77.2	63.4	67.3	71.3	63.4	53.5	43.6	35.7	23.8	27.7
102.5°	47.5	45.6	41.6	43.6	41.6	39.6	31.7	25.7	21.8	13.9	15.8
105°	27.7	25.7	25.7	25.7	25.7	23.8	21.8	15.8	11.9	7.9	7.9
107.5°	19.8	19.8	19.8	17.8	17.8	15.8	13.9	11.9	7.9	5.9	4.0
110°	17.8	15.8	15.8	15.8	13.9	13.9	11.9	9.9	5.9	4.0	4.0



REPORT NUMBER: P691524
 CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.9	13.9	13.9	11.9	11.9	9.9	7.9	7.9	5.9	2.0	2.0
115°	11.9	11.9	9.9	9.9	7.9	7.9	5.9	5.9	4.0	2.0	2.0
117.5°	11.9	11.9	7.9	7.9	5.9	5.9	5.9	4.0	2.0	2.0	2.0
120°	11.9	9.9	7.9	5.9	5.9	5.9	4.0	4.0	2.0	0.0	2.0
122.5°	9.9	9.9	5.9	5.9	4.0	4.0	4.0	2.0	2.0	0.0	0.0
125°	7.9	7.9	5.9	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
127.5°	7.9	7.9	5.9	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
130°	5.9	5.9	4.0	4.0	4.0	4.0	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)