

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: P691568

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 53.7
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

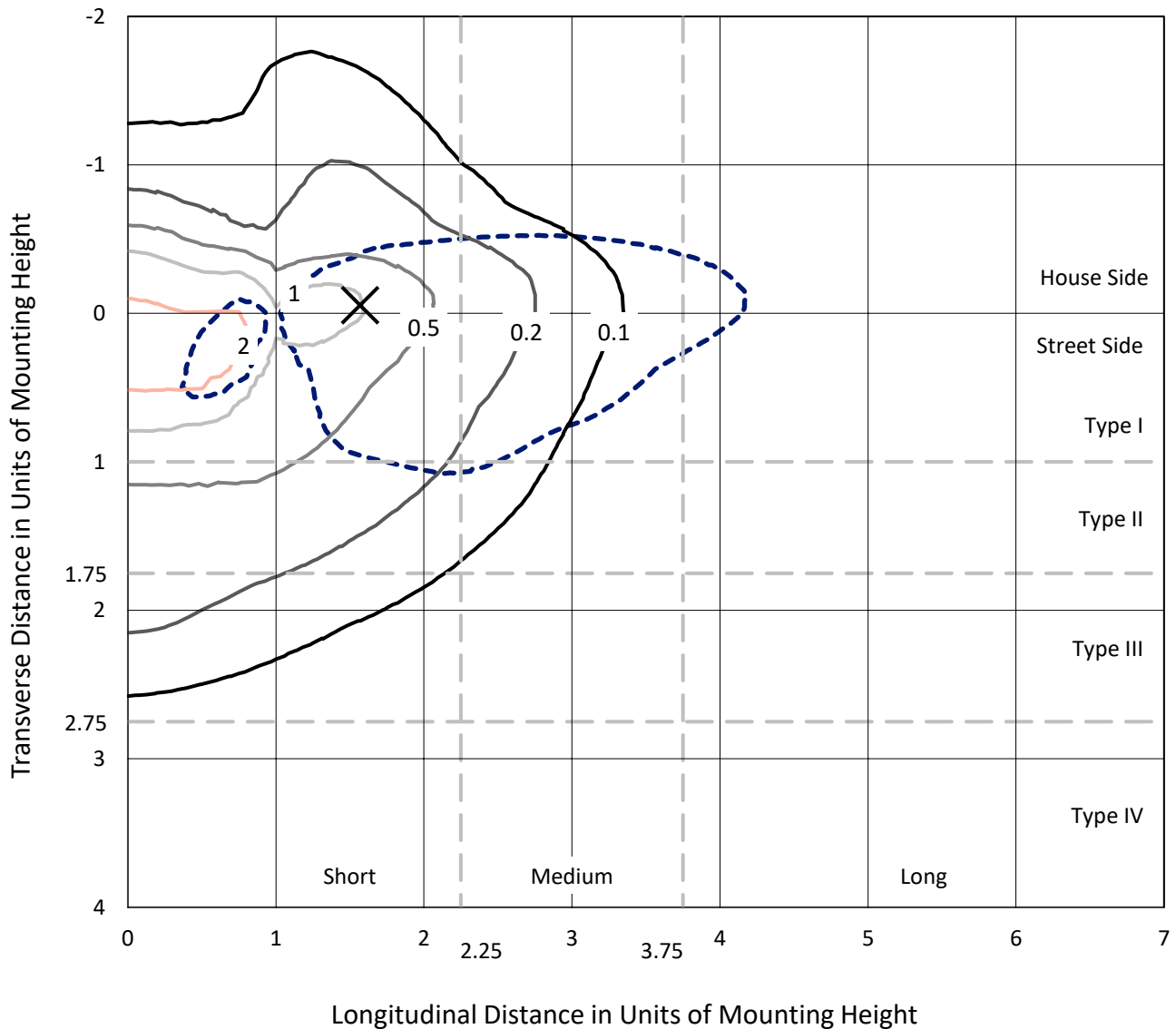


REPORT NUMBER: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

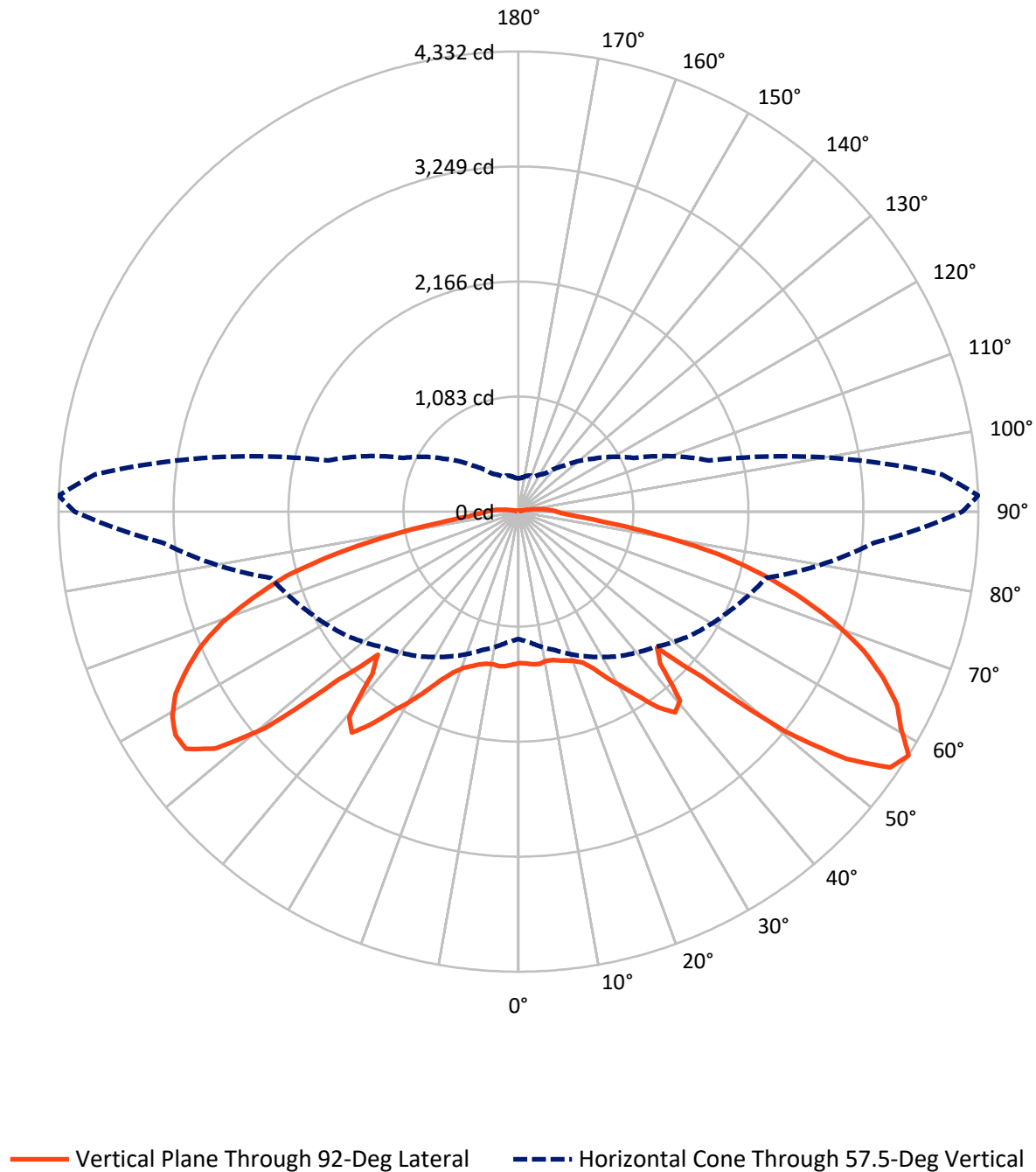


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type I - Short - N/A

REPORT NUMBER: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

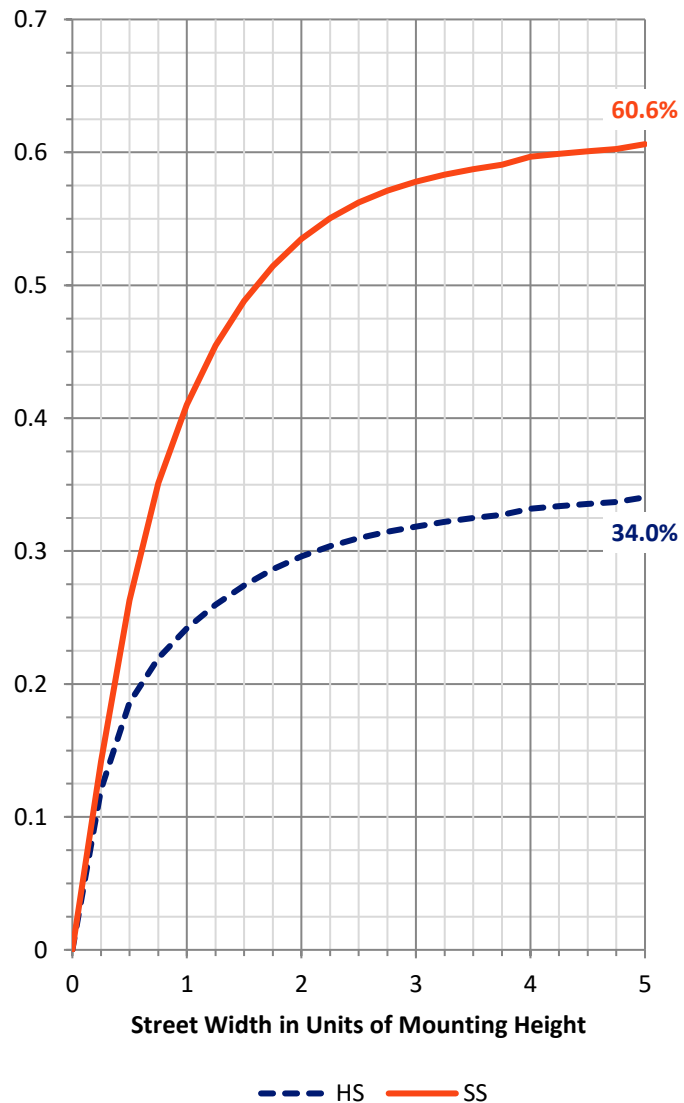
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2714.3	118.6	2832.8
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4677.4	96.8	4774.2
	% Fixture	61.5	1.3	62.8
Total	Lumens	7391.6	215.4	7607.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	1.8
10°-20°	403.1	5.3
20°-30°	668.6	8.8
30°-40°	925.3	12.2
40°-50°	864.0	11.4
50°-60°	1291.0	17.0
60°-70°	1533.5	20.2
70°-80°	1125.5	14.8
80°-90°	443.7	5.8
90°-100°	156.3	2.1
100°-110°	37.0	0.5
110°-120°	14.2	0.2
120°-130°	7.3	0.1
130°-140°	0.6	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°	7391.6	97.2
0°-180°	7607.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691568

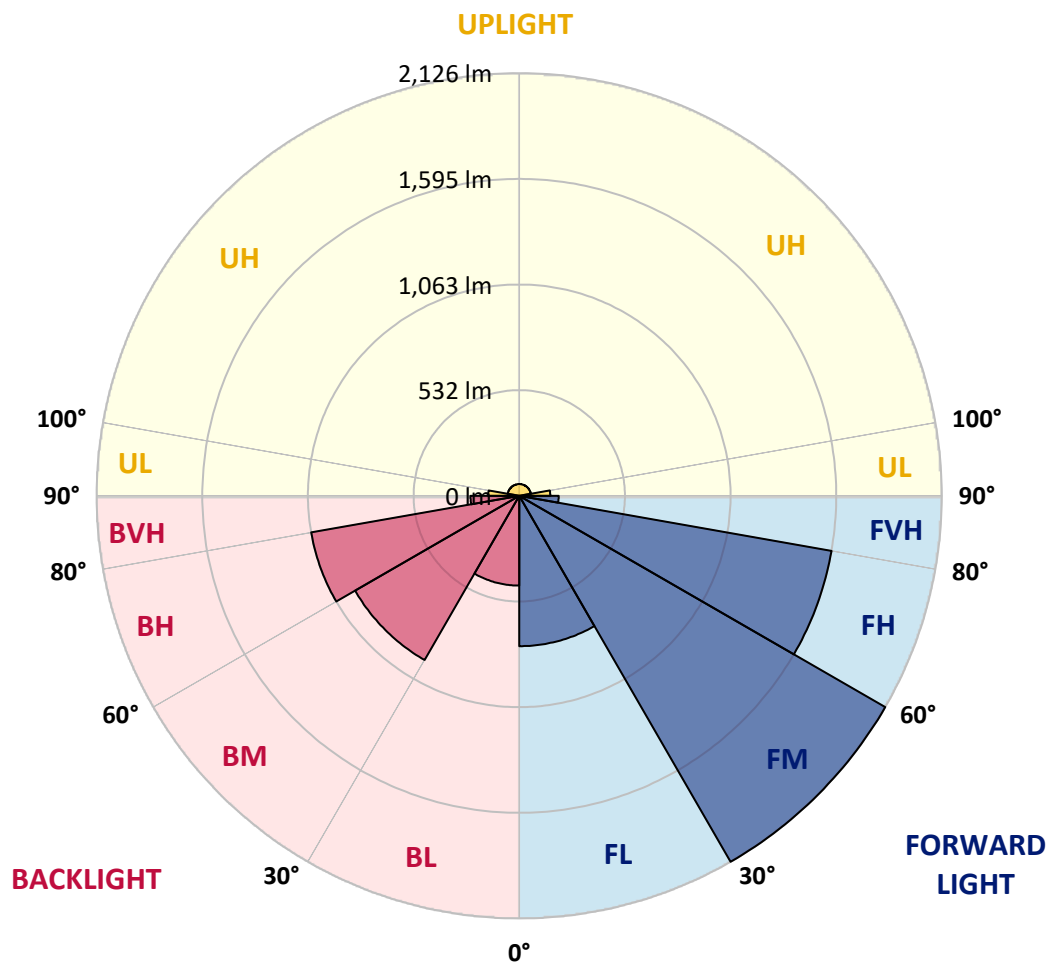
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	756.7	9.9			
FM	(30°-60°)	2126.5	28.0			
FH	(60°-80°)	1595.8	21.0			G1/1800
FVH	(80°-90°)	198.3	2.6			G2/225
BL	(0°-30°)	451.8	5.9	B1/500		
BM	(30°-60°)	953.8	12.5	B1/1000		
BH	(60°-80°)	1063.2	14.0	B3/2500		G3/2500
BVH	(80°-90°)	245.4	3.2			G3/500
UL	(90°-100°)	156.3	2.1		U3/500	
UH	(100°-180°)	59.1	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short





REPORT NUMBER: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9
2.5°	1488.4	1478.2	1480.7	1478.2	1473.1	1467.9	1462.8	1457.7	1450.0	1442.3	1437.2
5°	1575.5	1565.3	1565.3	1565.3	1555.0	1539.7	1519.2	1506.4	1488.4	1467.9	1452.6
7.5°	1634.5	1626.8	1624.2	1621.7	1608.8	1598.6	1575.5	1534.5	1506.4	1480.7	1457.7
10°	1655.0	1655.0	1652.4	1644.7	1631.9	1619.1	1603.7	1565.3	1519.2	1475.6	1444.9
12.5°	1693.4	1698.5	1690.8	1678.0	1672.9	1657.5	1634.5	1603.7	1552.5	1485.9	1450.0
15°	1752.3	1749.7	1739.5	1736.9	1731.8	1713.9	1693.4	1655.0	1596.0	1511.5	1470.5
17.5°	1777.9	1775.4	1775.4	1775.4	1775.4	1762.6	1760.0	1716.4	1655.0	1552.5	1501.2
20°	1783.0	1783.0	1790.7	1808.7	1811.2	1808.7	1821.5	1793.3	1721.6	1603.7	1534.5
22.5°	1816.4	1818.9	1831.7	1849.7	1862.5	1867.6	1877.8	1890.6	1824.0	1685.7	1598.6
25°	1798.4	1811.2	1839.4	1867.6	1898.3	1916.3	1972.6	2016.2	1959.8	1806.1	1688.3
27.5°	1767.7	1777.9	1834.3	1885.5	1954.7	2029.0	2111.0	2167.3	2134.0	1954.7	1831.7
30°	1795.9	1795.9	1831.7	1916.3	2005.9	2141.7	2262.1	2323.6	2308.2	2111.0	1998.2
32.5°	1736.9	1752.3	1829.2	1952.1	2087.9	2264.7	2387.6	2502.9	2518.3	2313.3	2131.5
35°	1562.7	1596.0	1647.3	1808.7	2039.2	2346.7	2536.2	2682.3	2746.3	2543.9	2331.3
37.5°	1291.2	1304.0	1411.6	1573.0	1847.1	2152.0	2479.9	2836.0	2969.2	2718.1	2531.1
40°	1140.0	1147.7	1216.9	1357.8	1588.3	1888.1	2164.8	2531.1	2636.1	2610.5	2433.8
42.5°	1088.8	1101.6	1183.6	1319.4	1514.1	1721.6	1793.3	1952.1	1911.1	2021.3	2077.7
45°	1150.3	1158.0	1216.9	1334.7	1457.7	1547.4	1496.1	1608.8	1665.2	1883.0	1895.8
47.5°	1193.8	1198.9	1263.0	1411.6	1432.1	1434.6	1503.8	1570.4	1726.7	2198.1	2408.1
50°	1024.7	1050.4	1173.3	1301.4	1311.7	1514.1	1711.3	1844.5	2036.7	2894.9	3297.1
52.5°	950.4	963.3	1096.5	1319.4	1467.9	1703.6	1844.5	1977.7	2162.2	3197.2	3904.3
55°	1042.7	1063.2	1222.0	1470.5	1619.1	1780.5	1957.3	2121.2	2303.1	3353.5	4175.8
57.5°	1198.9	1237.4	1352.7	1503.8	1660.1	1806.1	2011.1	2200.6	2413.3	3363.7	4180.9
60°	1508.9	1480.7	1416.7	1483.3	1634.5	1801.0	2036.7	2239.1	2474.7	3361.1	4063.1
62.5°	1721.6	1680.6	1467.9	1437.2	1578.1	1747.2	1980.3	2233.9	2461.9	3248.4	3929.9
65°	1680.6	1652.4	1488.4	1375.7	1478.2	1660.1	1903.5	2203.2	2400.5	3128.0	3689.1
67.5°	1450.0	1416.7	1347.5	1304.0	1355.2	1567.9	1831.7	2141.7	2328.7	2989.7	3425.2
70°	1183.6	1165.6	1142.6	1188.7	1252.7	1452.6	1701.1	2008.5	2192.9	2725.8	3143.4
72.5°	1004.2	994.0	965.8	1014.5	1122.1	1301.4	1508.9	1816.4	2023.9	2369.7	2795.0
75°	845.4	848.0	832.6	863.3	932.5	1109.3	1273.2	1573.0	1803.5	2034.1	2418.4
77.5°	694.3	686.6	701.9	719.9	766.0	894.1	1004.2	1265.6	1539.7	1614.0	1854.8
80°	507.2	520.1	548.2	545.7	584.1	640.5	714.8	853.1	1081.1	1155.4	1247.6
82.5°	358.7	374.0	399.6	371.5	376.6	392.0	425.3	489.3	609.7	684.0	760.9
85°	253.6	261.3	266.4	245.9	245.9	256.2	279.2	325.4	399.6	445.8	486.8
87.5°	184.5	187.0	197.3	187.0	189.6	194.7	215.2	245.9	307.4	340.7	374.0
90°	140.9	140.9	146.0	143.5	148.6	158.8	179.3	204.9	251.1	292.1	322.8
92.5°	102.5	102.5	107.6	110.2	112.7	125.5	143.5	164.0	194.7	245.9	276.7
95°	79.4	79.4	84.5	84.5	87.1	97.4	112.7	133.2	156.3	192.1	220.3
97.5°	58.9	58.9	64.0	64.0	66.6	74.3	87.1	99.9	120.4	143.5	156.3
100°	46.1	46.1	48.7	48.7	51.2	58.9	66.6	74.3	79.4	92.2	97.4
102.5°	38.4	38.4	38.4	38.4	38.4	43.6	46.1	46.1	48.7	56.4	58.9
105°	30.7	30.7	30.7	28.2	28.2	30.7	30.7	30.7	33.3	33.3	35.9
107.5°	23.1	23.1	23.1	23.1	23.1	25.6	25.6	25.6	25.6	28.2	28.2
110°	20.5	20.5	20.5	20.5	20.5	20.5	23.1	23.1	23.1	23.1	23.1



REPORT NUMBER: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.9	17.9	17.9	17.9	17.9	17.9	20.5	20.5	20.5	20.5	20.5
115°	15.4	15.4	15.4	15.4	15.4	17.9	20.5	17.9	17.9	17.9	17.9
117.5°	12.8	12.8	12.8	15.4	15.4	15.4	17.9	15.4	15.4	15.4	17.9
120°	10.2	10.2	12.8	12.8	12.8	12.8	12.8	12.8	15.4	15.4	15.4
122.5°	10.2	10.2	10.2	10.2	10.2	12.8	12.8	12.8	12.8	12.8	15.4
125°	7.7	7.7	7.7	10.2	10.2	10.2	10.2	10.2	10.2	12.8	12.8
127.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	10.2	10.2	10.2
130°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
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: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9	1426.9
2.5°	1432.1	1432.1	1416.7	1401.3	1386.0	1370.6	1357.8	1350.1	1339.8	1342.4	1342.4
5°	1444.9	1437.2	1403.9	1383.4	1360.3	1339.8	1319.4	1301.4	1296.3	1293.7	1283.5
7.5°	1447.4	1434.6	1398.8	1368.0	1324.5	1275.8	1252.7	1232.2	1219.4	1229.7	1224.6
10°	1429.5	1414.1	1373.2	1327.0	1265.6	1224.6	1188.7	1168.2	1158.0	1160.5	1158.0
12.5°	1434.6	1416.7	1350.1	1280.9	1229.7	1160.5	1117.0	1099.0	1086.2	1086.2	1078.5
15°	1455.1	1424.4	1329.6	1257.9	1173.3	1114.4	1063.2	1050.4	1045.2	1040.1	1032.4
17.5°	1475.6	1432.1	1327.0	1216.9	1122.1	1058.0	1006.8	983.7	970.9	970.9	968.4
20°	1501.2	1447.4	1311.7	1173.3	1073.4	988.9	927.4	906.9	896.6	894.1	889.0
22.5°	1544.8	1488.4	1304.0	1155.4	1009.4	922.3	863.3	824.9	804.4	801.9	801.9
25°	1631.9	1562.7	1319.4	1106.7	965.8	853.1	781.4	742.9	719.9	719.9	717.3
27.5°	1770.2	1660.1	1342.4	1088.8	883.8	778.8	704.5	645.6	625.1	625.1	627.7
30°	1906.0	1808.7	1401.3	1050.4	837.7	681.5	591.8	548.2	522.6	512.4	514.9
32.5°	2067.4	1964.9	1483.3	1024.7	745.5	566.2	484.2	461.1	422.7	412.5	404.8
35°	2264.7	2116.1	1575.5	988.9	673.8	481.6	415.0	368.9	351.0	338.2	335.6
37.5°	2397.9	2267.2	1657.5	996.6	573.9	435.5	361.2	312.5	294.6	297.2	297.2
40°	2341.5	2190.4	1678.0	945.3	489.3	379.2	302.3	274.1	263.9	266.4	269.0
42.5°	1957.3	1877.8	1388.5	845.4	404.8	304.9	253.6	253.6	261.3	253.6	253.6
45°	1829.2	1629.3	1009.4	594.3	304.9	251.1	240.8	248.5	266.4	266.4	266.4
47.5°	2315.9	2090.5	904.3	497.0	340.7	281.8	261.3	248.5	251.1	248.5	248.5
50°	3248.4	2894.9	1214.3	620.0	412.5	335.6	297.2	271.6	271.6	266.4	261.3
52.5°	3868.4	3496.9	1478.2	776.2	517.5	392.0	340.7	294.6	279.2	269.0	266.4
55°	4252.7	3970.9	1706.2	994.0	673.8	466.3	379.2	330.5	307.4	286.9	284.4
57.5°	4332.1	4004.2	1857.3	1193.8	868.5	612.3	435.5	366.3	351.0	317.7	312.5
60°	4137.4	3919.6	1916.3	1324.5	1037.5	807.0	568.7	425.3	392.0	368.9	363.8
62.5°	4001.6	3750.5	1895.8	1368.0	1142.6	968.4	748.1	522.6	427.8	430.4	453.4
65°	3773.6	3604.5	1744.6	1304.0	1137.5	1022.2	840.3	604.6	440.6	435.5	463.7
67.5°	3512.3	3379.1	1593.5	1163.1	1047.8	947.9	781.4	576.4	417.6	392.0	394.5
70°	3176.7	3064.0	1439.8	1083.7	965.8	840.3	678.9	499.6	412.5	371.5	371.5
72.5°	2789.9	2656.6	1311.7	1024.7	922.3	807.0	650.7	481.6	443.2	427.8	440.6
75°	2380.0	2210.9	1211.8	968.4	891.5	807.0	648.1	481.6	443.2	430.4	430.4
77.5°	1918.8	1818.9	1104.2	878.7	830.0	768.6	596.9	448.3	435.5	430.4	430.4
80°	1327.0	1311.7	899.2	763.4	750.6	727.6	561.0	433.0	433.0	425.3	415.0
82.5°	814.7	776.2	643.0	571.3	614.8	648.1	509.8	407.3	397.1	389.4	384.3
85°	527.7	530.3	450.9	399.6	425.3	494.4	430.4	368.9	353.5	358.7	358.7
87.5°	404.8	417.6	353.5	325.4	320.2	335.6	338.2	330.5	320.2	312.5	315.1
90°	348.4	353.5	284.4	261.3	258.7	263.9	263.9	279.2	279.2	253.6	238.3
92.5°	292.1	299.7	235.7	212.6	212.6	220.3	225.4	225.4	204.9	166.5	148.6
95°	230.6	235.7	187.0	169.1	171.6	171.6	169.1	161.4	125.5	74.3	66.6
97.5°	161.4	164.0	138.3	128.1	130.7	125.5	110.2	99.9	76.9	43.6	41.0
100°	102.5	105.0	87.1	84.5	92.2	82.0	71.7	66.6	46.1	28.2	33.3
102.5°	61.5	61.5	53.8	51.2	56.4	48.7	43.6	35.9	28.2	17.9	23.1
105°	35.9	35.9	33.3	33.3	33.3	30.7	28.2	23.1	15.4	12.8	12.8
107.5°	28.2	28.2	25.6	25.6	23.1	23.1	20.5	15.4	10.2	7.7	7.7
110°	23.1	23.1	20.5	20.5	20.5	17.9	15.4	12.8	7.7	5.1	5.1



REPORT NUMBER: P691568

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	20.5	17.9	17.9	15.4	15.4	12.8	10.2	7.7	5.1	5.1
115°	17.9	17.9	15.4	12.8	12.8	12.8	10.2	7.7	5.1	2.6	5.1
117.5°	17.9	17.9	12.8	10.2	10.2	10.2	7.7	7.7	5.1	2.6	2.6
120°	15.4	15.4	10.2	10.2	7.7	7.7	7.7	5.1	2.6	2.6	2.6
122.5°	12.8	12.8	10.2	7.7	7.7	7.7	5.1	5.1	2.6	2.6	2.6
125°	12.8	12.8	7.7	7.7	7.7	5.1	5.1	5.1	2.6	0.0	0.0
127.5°	10.2	10.2	7.7	7.7	5.1	5.1	5.1	2.6	2.6	0.0	0.0
130°	7.7	7.7	7.7	7.7	5.1	5.1	5.1	2.6	2.6	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)