

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: P691692

Luminaire Tested: **CRTK2-C018-D-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691692
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-C018-D-U-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6699 lumens
Efficiency: N/A
Efficacy: 132.9 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): 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



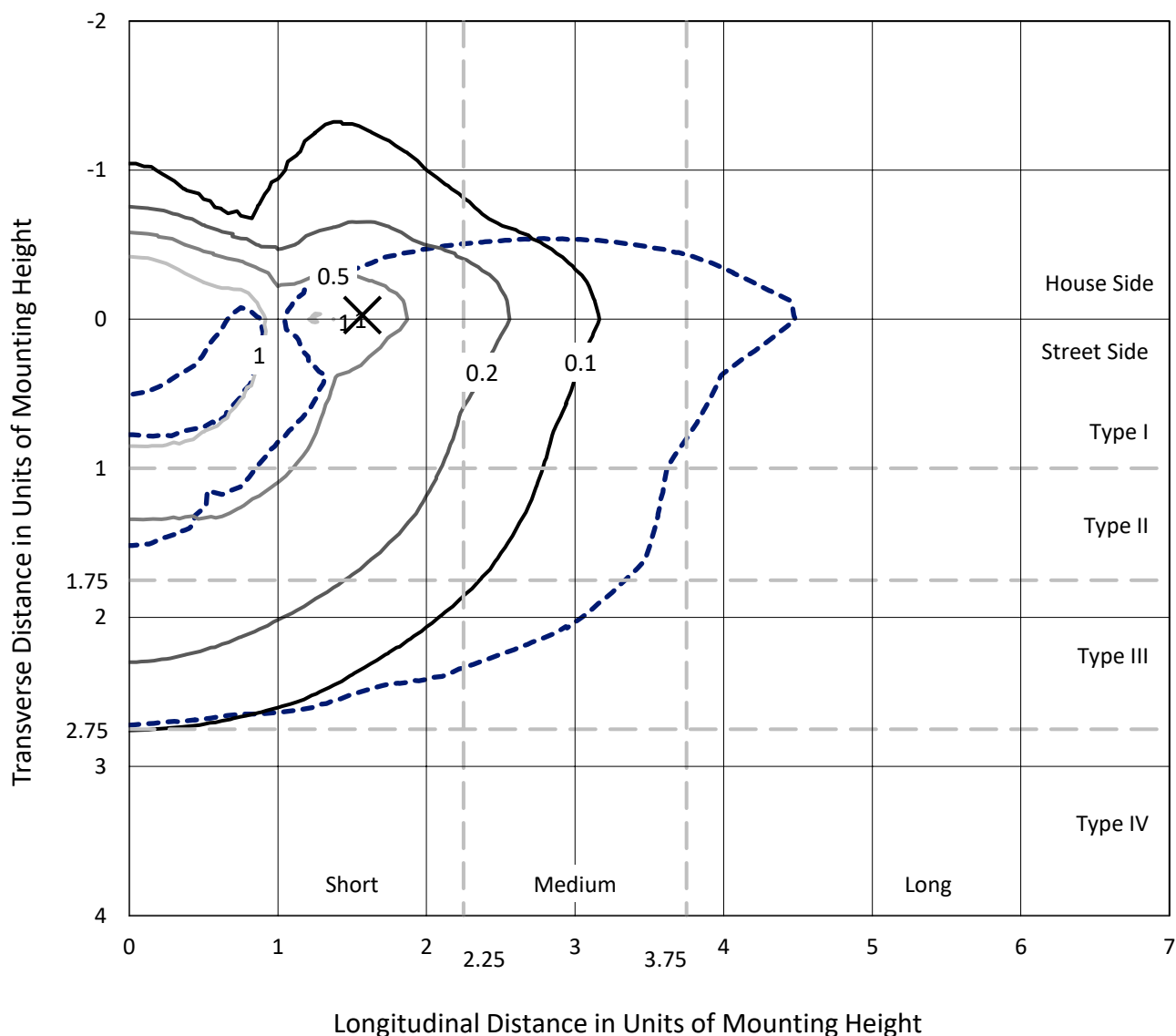
REPORT NUMBER: P691692

CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

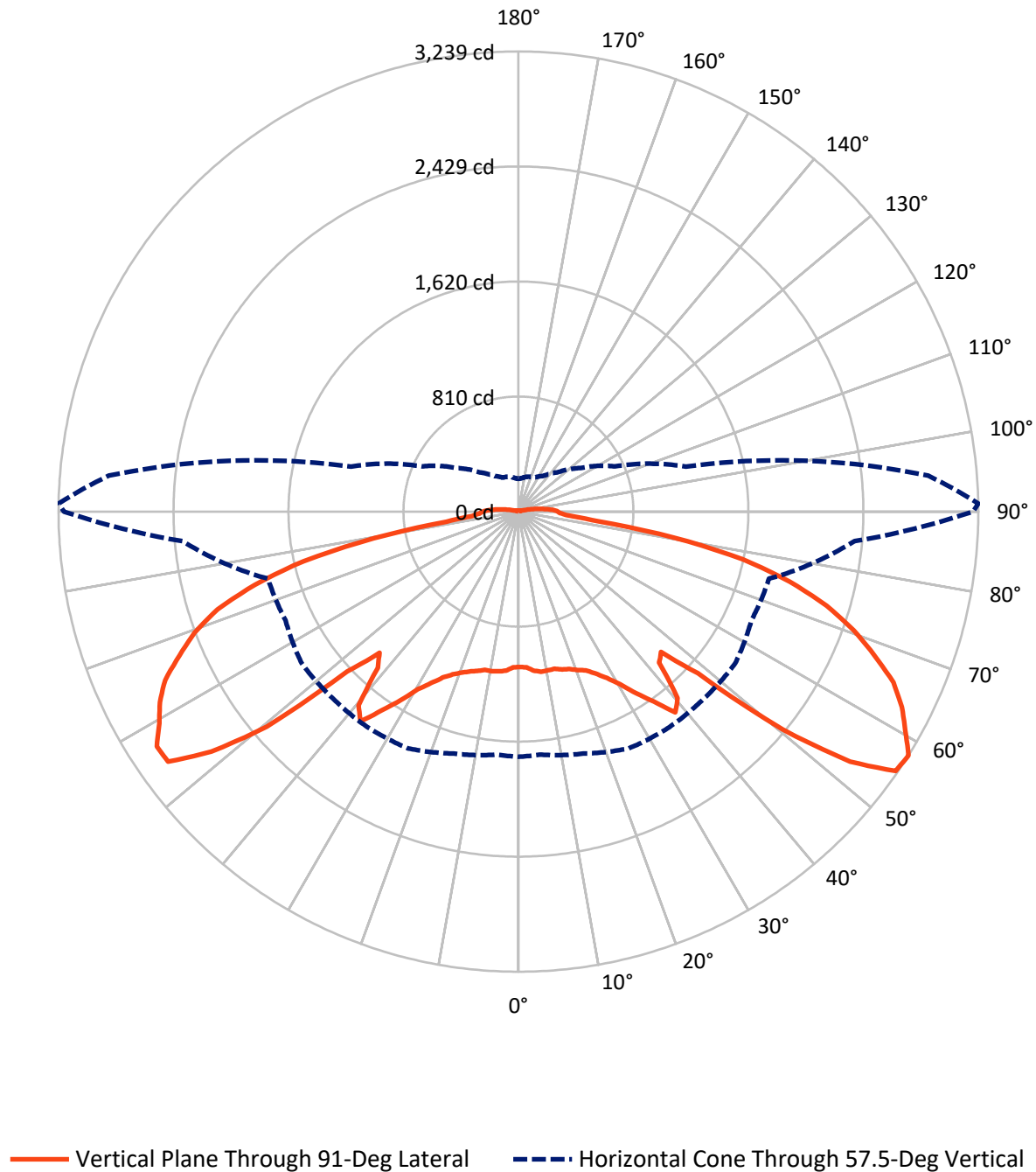


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc

Type III - Short - N/A

REPORT NUMBER: P691692
CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

Luminous Intensity Polar Plot



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CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

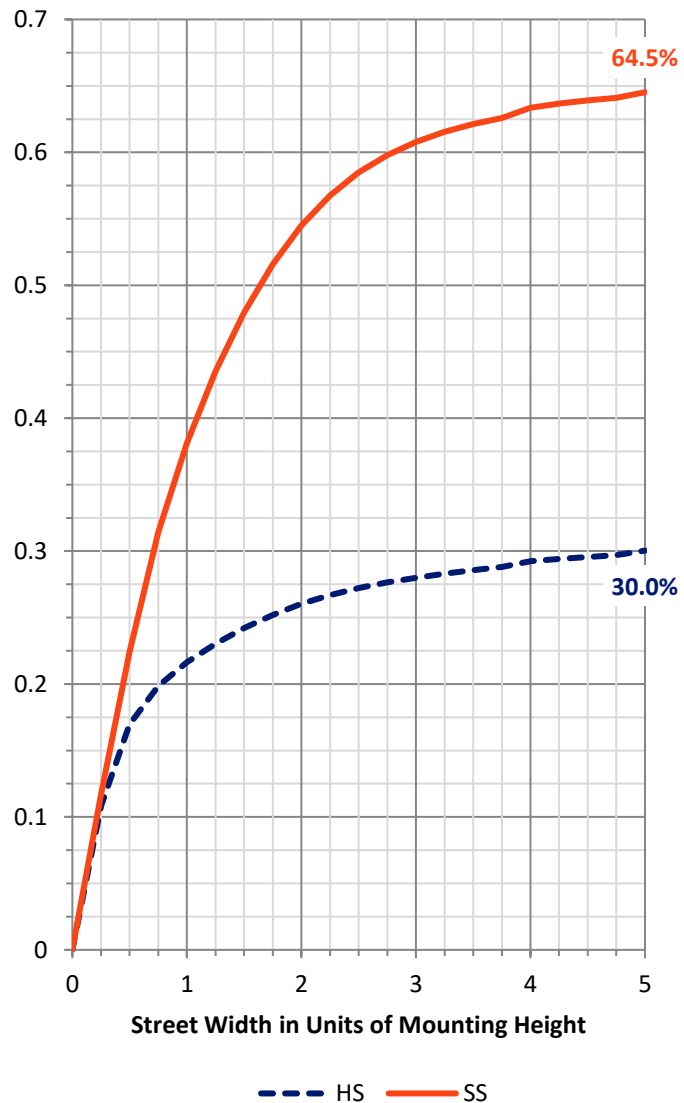
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2126.4	103.4	2229.8
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	4380.7	88.5	4469.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	6507.1	191.9	6699.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	1.6
10°-20°	325.6	4.9
20°-30°	553.5	8.3
30°-40°	778.9	11.6
40°-50°	739.6	11.0
50°-60°	1107.9	16.5
60°-70°	1433.7	21.4
70°-80°	1085.0	16.2
80°-90°	375.8	5.6
90°-100°	141.1	2.1
100°-110°	33.1	0.5
110°-120°	11.4	0.2
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°	6507.1	97.1
0°-180°	6699.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691692

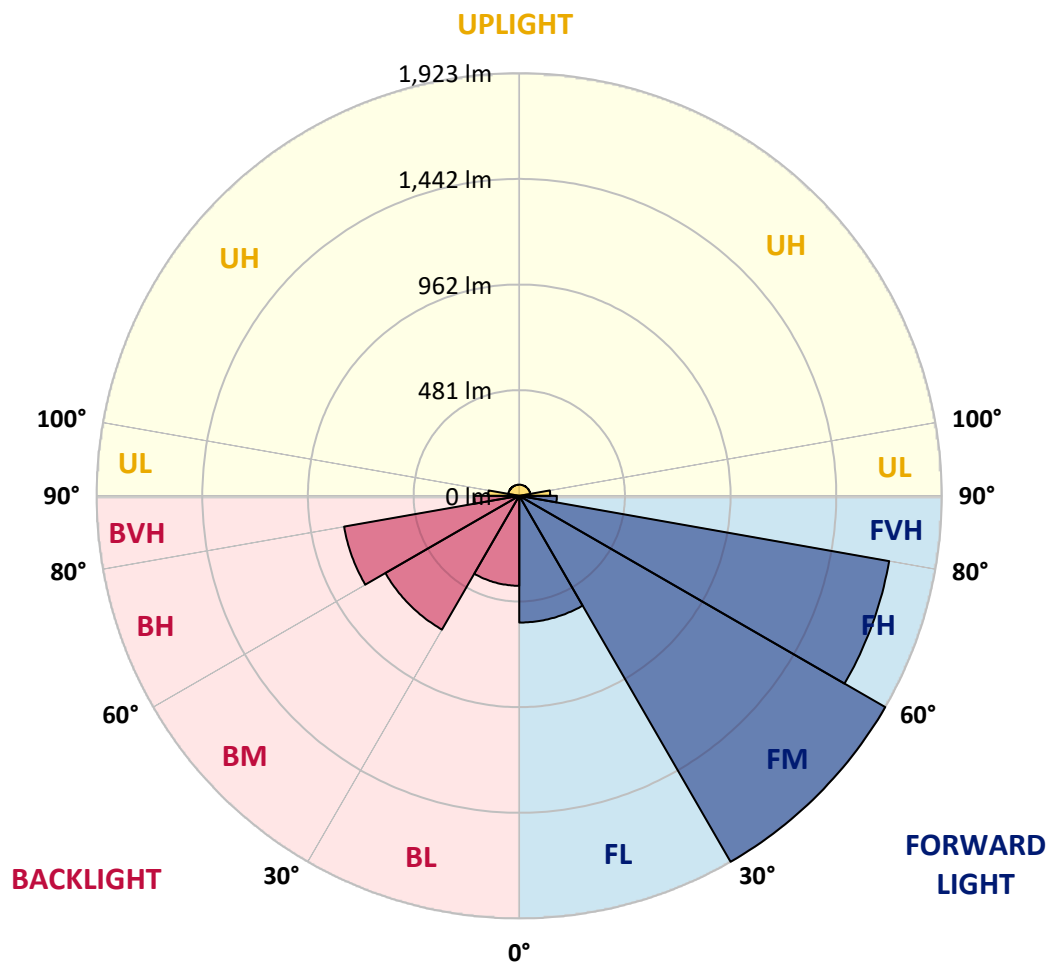
CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	576.7	8.6			
FM	(30°-60°)	1923.2	28.7			
FH	(60°-80°)	1709.5	25.5			G1/1800
FVH	(80°-90°)	171.4	2.6			G2/225
BL	(0°-30°)	409.3	6.1	B1/500		
BM	(30°-60°)	703.3	10.5	B1/1000		
BH	(60°-80°)	809.3	12.1	B2/1000		G2/1000
BVH	(80°-90°)	204.5	3.1			G2/225
UL	(90°-100°)	141.1	2.1		U3/500	
UH	(100°-180°)	50.7	0.8		U3/500	

BUG Rating: B2-U3-G2

Type III Short



REPORT NUMBER: P691692

CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7
2.5°	1073.8	1073.8	1073.8	1076.0	1082.6	1087.1	1089.3	1087.1	1089.3	1093.7	1098.2
5°	1104.8	1102.6	1100.4	1096.0	1093.7	1093.7	1096.0	1096.0	1100.4	1115.9	1124.8
7.5°	1133.7	1129.2	1127.0	1127.0	1124.8	1113.7	1111.5	1104.8	1102.6	1122.6	1135.9
10°	1186.9	1182.5	1169.2	1153.6	1149.2	1135.9	1115.9	1111.5	1113.7	1135.9	1140.3
12.5°	1235.7	1233.5	1224.6	1209.1	1186.9	1173.6	1144.8	1131.5	1133.7	1147.0	1138.1
15°	1317.8	1308.9	1282.3	1269.0	1246.8	1222.4	1184.7	1169.2	1173.6	1162.5	1158.1
17.5°	1366.6	1360.0	1360.0	1335.6	1320.0	1277.9	1242.4	1213.5	1224.6	1195.8	1171.4
20°	1411.0	1411.0	1413.2	1417.6	1388.8	1355.5	1306.7	1271.2	1273.4	1231.3	1195.8
22.5°	1479.8	1473.1	1479.8	1486.4	1466.5	1437.6	1377.7	1342.2	1326.7	1273.4	1226.9
25°	1550.8	1546.3	1546.3	1564.1	1570.7	1526.4	1470.9	1433.2	1411.0	1333.3	1271.2
27.5°	1621.8	1624.0	1630.6	1637.3	1648.4	1626.2	1570.7	1541.9	1513.0	1404.3	1342.2
30°	1679.4	1675.0	1703.8	1719.4	1730.5	1739.3	1677.2	1646.2	1615.1	1495.3	1422.1
32.5°	1743.8	1743.8	1770.4	1799.2	1814.8	1832.5	1781.5	1761.5	1728.2	1604.0	1555.2
35°	1797.0	1797.0	1837.0	1885.8	1914.6	1927.9	1901.3	1899.1	1892.4	1752.6	1681.7
37.5°	1617.3	1639.5	1701.6	1799.2	1910.2	1998.9	2005.6	2049.9	2072.1	1921.3	1830.3
40°	1411.0	1417.6	1490.9	1577.4	1681.7	1792.6	1899.1	2030.0	2014.4	1832.5	1752.6
42.5°	1271.2	1289.0	1382.2	1448.7	1517.5	1586.3	1586.3	1581.8	1470.9	1504.2	1473.1
45°	1257.9	1262.4	1340.0	1439.8	1466.5	1371.1	1237.9	1164.7	1173.6	1335.6	1408.8
47.5°	1395.5	1402.1	1482.0	1577.4	1482.0	1313.4	1182.5	1171.4	1164.7	1450.9	1699.4
50°	1468.7	1473.1	1548.5	1597.4	1448.7	1446.5	1448.7	1408.8	1373.3	1903.5	2438.2
52.5°	1513.0	1517.5	1513.0	1575.2	1524.1	1641.7	1601.8	1535.2	1508.6	2205.2	2879.7
55°	1395.5	1424.3	1544.1	1708.3	1712.7	1752.6	1737.1	1677.2	1675.0	2318.4	3210.2
57.5°	1726.0	1717.2	1763.7	1839.2	1852.5	1854.7	1863.6	1810.3	1825.9	2376.1	3201.4
60°	1954.5	1930.1	1881.3	1916.8	1932.4	1956.8	1987.8	1927.9	1945.7	2427.1	3061.6
62.5°	2169.7	2132.0	1943.4	1936.8	1961.2	2010.0	2054.4	2007.8	2023.3	2444.8	2964.0
65°	2138.7	2105.4	1963.4	1885.8	1921.3	1987.8	2049.9	2027.7	2023.3	2407.1	2844.2
67.5°	1843.6	1845.8	1830.3	1830.3	1817.0	1912.4	2012.2	2014.4	1992.3	2311.7	2664.5
70°	1584.0	1575.2	1599.6	1692.7	1706.1	1819.2	1952.3	1974.5	1945.7	2205.2	2491.4
72.5°	1348.9	1342.2	1346.7	1424.3	1535.2	1659.5	1810.3	1863.6	1821.4	2014.4	2280.7
75°	1115.9	1109.3	1107.1	1133.7	1222.4	1377.7	1550.8	1646.2	1610.7	1737.1	1972.3
77.5°	847.5	834.2	834.2	843.0	909.6	1049.4	1215.8	1348.9	1331.1	1399.9	1590.7
80°	563.5	565.7	561.3	559.1	603.4	685.5	807.6	967.3	958.4	958.4	1056.0
82.5°	357.2	357.2	363.8	341.7	337.2	346.1	374.9	439.3	443.7	485.9	519.1
85°	228.5	230.7	230.7	208.5	201.9	208.5	228.5	248.5	257.4	299.5	337.2
87.5°	166.4	166.4	162.0	157.5	159.7	166.4	181.9	199.7	215.2	248.5	281.8
90°	126.5	126.5	124.2	122.0	126.5	135.3	155.3	175.3	195.2	232.9	264.0
92.5°	104.3	104.3	102.1	102.1	104.3	110.9	128.7	150.9	170.8	201.9	230.7
95°	86.5	88.7	86.5	88.7	91.0	95.4	106.5	124.2	137.5	157.5	177.5
97.5°	68.8	71.0	71.0	71.0	73.2	79.9	86.5	97.6	106.5	115.4	128.7
100°	51.0	53.2	53.2	53.2	55.5	62.1	68.8	73.2	75.4	77.6	84.3
102.5°	37.7	39.9	39.9	39.9	39.9	44.4	46.6	48.8	48.8	48.8	51.0
105°	26.6	26.6	26.6	26.6	26.6	26.6	28.8	28.8	28.8	28.8	28.8
107.5°	20.0	20.0	20.0	20.0	20.0	20.0	22.2	22.2	22.2	22.2	22.2
110°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	20.0	17.7	17.7	20.0



REPORT NUMBER: P691692

CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.5	15.5	15.5	15.5	15.5	15.5	17.7	17.7	15.5	15.5	15.5
115°	13.3	13.3	13.3	13.3	13.3	13.3	15.5	15.5	13.3	13.3	13.3
117.5°	11.1	11.1	11.1	11.1	11.1	11.1	13.3	13.3	11.1	13.3	13.3
120°	11.1	13.3	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	13.3
122.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	11.1	11.1
125°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
127.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	8.9	8.9
130°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
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

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7	1093.7
2.5°	1098.2	1102.6	1111.5	1120.4	1129.2	1138.1	1142.6	1144.8	1147.0	1142.6	1144.8
5°	1124.8	1129.2	1142.6	1155.9	1153.6	1147.0	1138.1	1138.1	1140.3	1140.3	1144.8
7.5°	1138.1	1144.8	1140.3	1142.6	1147.0	1140.3	1131.5	1120.4	1107.1	1107.1	1109.3
10°	1135.9	1129.2	1135.9	1129.2	1113.7	1111.5	1107.1	1091.5	1082.6	1084.9	1084.9
12.5°	1135.9	1133.7	1120.4	1113.7	1100.4	1076.0	1064.9	1069.3	1058.2	1060.5	1056.0
15°	1153.6	1138.1	1120.4	1098.2	1069.3	1056.0	1040.5	1016.1	1013.9	1013.9	1013.9
17.5°	1164.7	1153.6	1113.7	1069.3	1049.4	1016.1	998.3	991.7	973.9	980.6	985.0
20°	1191.4	1164.7	1107.1	1060.5	991.7	971.7	942.9	936.2	927.4	900.7	891.9
22.5°	1213.5	1189.1	1100.4	1018.3	960.6	914.0	869.7	838.6	823.1	812.0	803.1
25°	1262.4	1224.6	1107.1	998.3	909.6	849.7	809.8	754.3	716.6	712.2	716.6
27.5°	1326.7	1266.8	1122.6	971.7	869.7	776.5	696.6	658.9	619.0	605.7	607.9
30°	1408.8	1328.9	1120.4	947.3	798.7	692.2	590.1	525.8	494.7	481.4	479.2
32.5°	1526.4	1415.4	1171.4	916.3	734.3	574.6	463.7	383.8	368.3	366.1	363.8
35°	1641.7	1555.2	1195.8	869.7	641.2	461.5	350.5	301.7	299.5	297.3	295.1
37.5°	1794.8	1692.7	1264.6	840.8	552.4	348.3	281.8	246.3	239.6	228.5	232.9
40°	1726.0	1641.7	1284.5	796.5	428.2	257.4	210.8	181.9	177.5	179.7	177.5
42.5°	1453.1	1391.0	1120.4	685.5	295.1	188.6	157.5	162.0	170.8	177.5	177.5
45°	1408.8	1286.8	807.6	485.9	190.8	157.5	153.1	159.7	175.3	190.8	193.0
47.5°	1701.6	1546.3	707.7	374.9	219.6	179.7	164.2	164.2	173.0	175.3	173.0
50°	2411.6	2176.4	827.5	430.4	272.9	217.4	188.6	177.5	181.9	186.4	184.1
52.5°	2924.0	2629.0	942.9	514.7	341.7	259.6	221.9	195.2	190.8	190.8	188.6
55°	3223.5	2888.5	1078.2	634.5	428.2	312.8	257.4	226.3	215.2	206.3	206.3
57.5°	3239.1	2897.4	1220.2	752.1	534.7	390.5	306.2	264.0	255.1	235.2	230.7
60°	3130.4	2859.7	1328.9	869.7	636.7	499.2	390.5	328.3	317.3	306.2	299.5
62.5°	3030.5	2797.6	1382.2	967.3	745.4	621.2	497.0	410.4	374.9	388.2	397.1
65°	2901.9	2728.8	1346.7	976.2	794.2	694.4	574.6	448.1	388.2	417.1	432.6
67.5°	2704.4	2549.1	1257.9	896.3	741.0	650.0	539.1	421.5	374.9	386.0	386.0
70°	2504.7	2338.3	1171.4	834.2	667.8	572.4	468.1	377.2	370.5	363.8	363.8
72.5°	2269.6	2072.1	1058.2	796.5	638.9	556.9	454.8	379.4	397.1	406.0	406.0
75°	1972.3	1752.6	938.4	763.2	625.6	567.9	457.0	408.2	439.3	443.7	443.7
77.5°	1615.1	1375.5	798.7	703.3	587.9	545.8	426.0	401.6	432.6	439.3	441.5
80°	1111.5	973.9	670.0	612.3	525.8	490.3	392.7	390.5	421.5	437.1	439.3
82.5°	563.5	554.6	488.1	481.4	448.1	428.2	363.8	379.4	412.6	434.8	437.1
85°	348.3	361.6	326.1	321.7	332.8	341.7	330.6	361.6	386.0	410.4	414.9
87.5°	290.6	306.2	272.9	259.6	264.0	279.5	292.8	326.1	348.3	368.3	370.5
90°	272.9	286.2	232.9	221.9	230.7	241.8	250.7	268.4	286.2	297.3	297.3
92.5°	239.6	244.0	193.0	184.1	197.5	204.1	201.9	206.3	206.3	184.1	184.1
95°	184.1	184.1	146.4	146.4	157.5	159.7	144.2	130.9	122.0	73.2	62.1
97.5°	133.1	130.9	106.5	106.5	115.4	113.1	95.4	79.9	66.6	42.2	44.4
100°	88.7	86.5	71.0	75.4	79.9	71.0	59.9	48.8	39.9	26.6	31.1
102.5°	53.2	51.0	46.6	48.8	46.6	44.4	35.5	28.8	24.4	15.5	17.7
105°	31.1	28.8	28.8	28.8	28.8	26.6	24.4	17.7	13.3	8.9	8.9
107.5°	22.2	22.2	22.2	20.0	20.0	17.7	15.5	13.3	8.9	6.7	4.4
110°	20.0	17.7	17.7	17.7	15.5	15.5	13.3	11.1	6.7	4.4	4.4



REPORT NUMBER: P691692

CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	15.5	15.5	13.3	13.3	11.1	8.9	8.9	6.7	2.2	2.2
115°	13.3	13.3	11.1	11.1	8.9	8.9	6.7	6.7	4.4	2.2	2.2
117.5°	13.3	13.3	8.9	8.9	6.7	6.7	6.7	4.4	2.2	2.2	2.2
120°	13.3	11.1	8.9	6.7	6.7	6.7	4.4	4.4	2.2	0.0	2.2
122.5°	11.1	11.1	6.7	6.7	4.4	4.4	4.4	2.2	2.2	0.0	0.0
125°	8.9	8.9	6.7	4.4	4.4	4.4	4.4	2.2	2.2	0.0	0.0
127.5°	8.9	8.9	6.7	4.4	4.4	4.4	4.4	2.2	2.2	0.0	0.0
130°	6.7	6.7	4.4	4.4	4.4	4.4	2.2	2.2	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)