

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: P691691

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691691
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-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 5790 lumens
Efficiency: N/A
Efficacy: 114.9 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



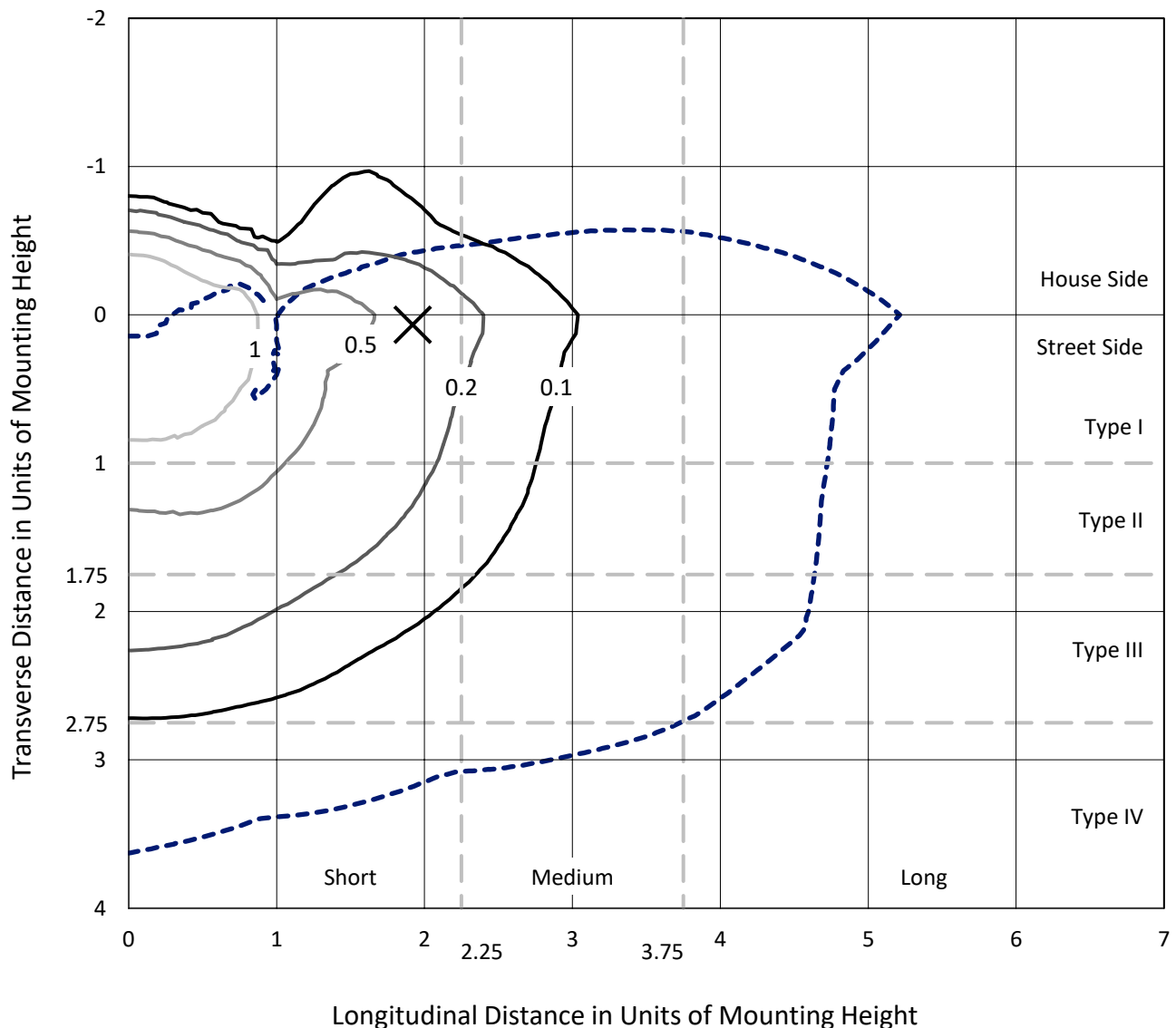
REPORT NUMBER: P691691

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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd



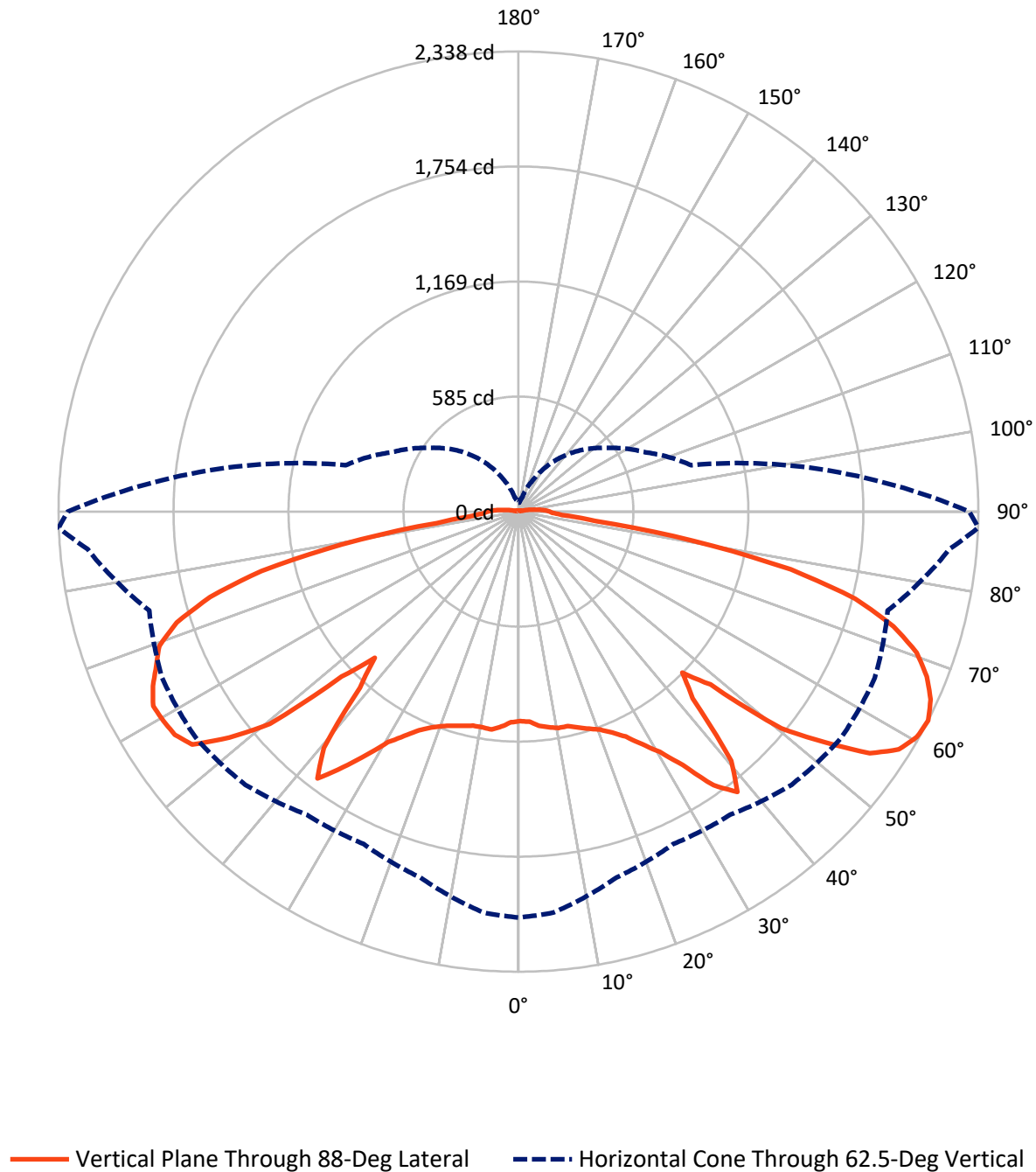
Based on 25 foot mounting height. Maximum calculated value = 1.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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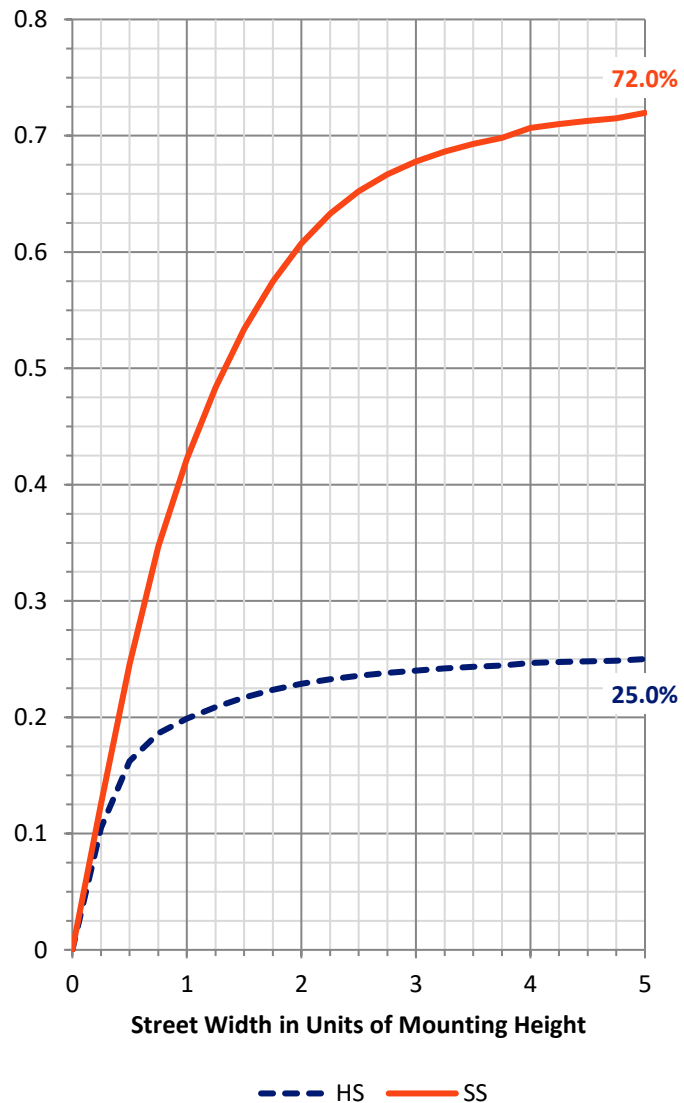
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1473.0	27.8	1500.8
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	4220.8	68.5	4289.2
	% Fixture	72.9	1.2	74.1
Total	Lumens	5693.8	96.2	5790.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	1.8
10°-20°	320.4	5.5
20°-30°	542.7	9.4
30°-40°	749.1	12.9
40°-50°	647.9	11.2
50°-60°	938.0	16.2
60°-70°	1227.8	21.2
70°-80°	930.9	16.1
80°-90°	232.2	4.0
90°-100°	68.3	1.2
100°-110°	15.8	0.3
110°-120°	7.1	0.1
120°-130°	4.6	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°	5693.8	98.3
0°-180°	5790.0	100.0

Coefficient of Utilization



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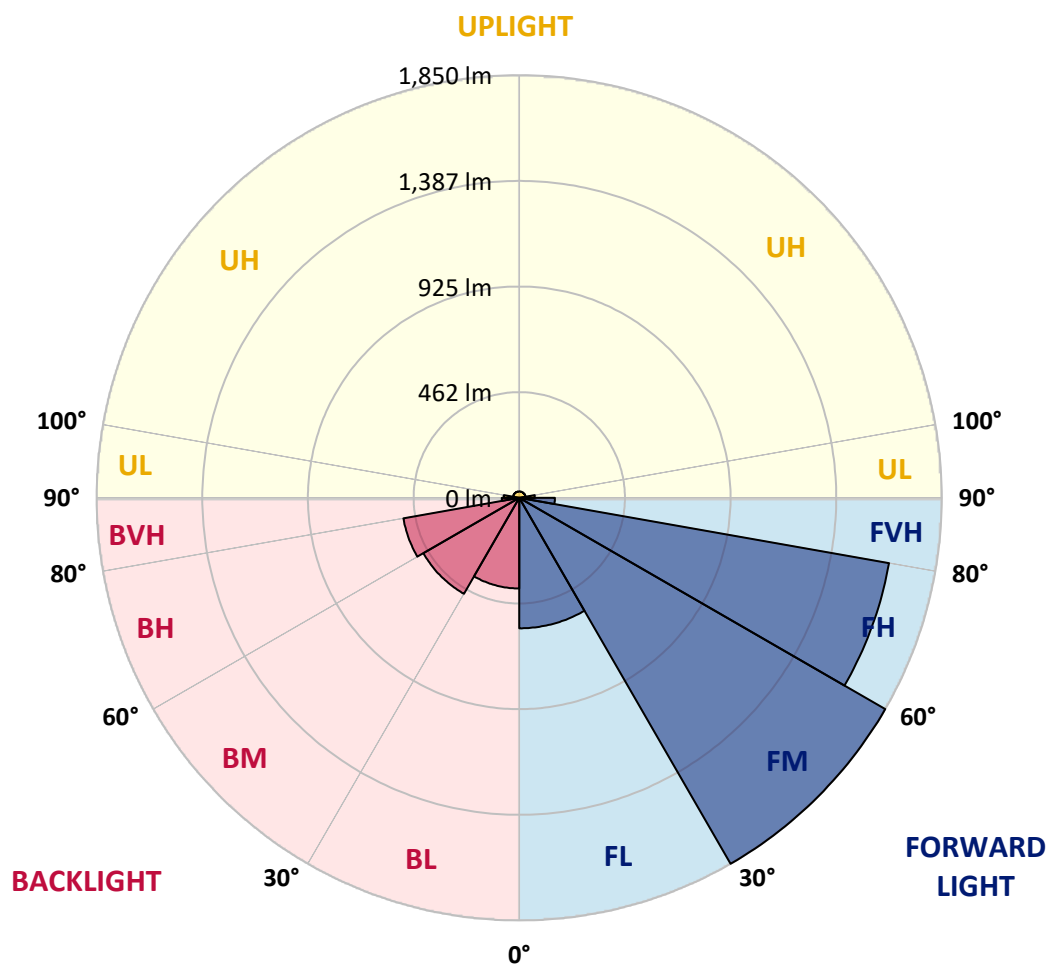
CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.2	9.9			
FM	(30°-60°)	1849.9	31.9			
FH	(60°-80°)	1643.7	28.4			G1/1800
FVH	(80°-90°)	156.0	2.7			G2/225
BL	(0°-30°)	396.8	6.9	B1/500		
BM	(30°-60°)	485.0	8.4	B1/1000		
BH	(60°-80°)	515.0	8.9	B2/1000		G2/1000
BVH	(80°-90°)	76.2	1.3			G1/100
UL	(90°-100°)	68.3	1.2		U3/500	
UH	(100°-180°)	27.9	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8
2.5°	1053.7	1053.7	1051.4	1053.7	1058.1	1062.5	1058.1	1060.3	1062.5	1067.0	1069.2
5°	1093.6	1091.4	1086.9	1082.5	1078.1	1078.1	1073.6	1071.4	1075.9	1089.2	1093.6
7.5°	1126.9	1120.2	1115.8	1118.0	1111.3	1100.3	1091.4	1086.9	1082.5	1100.3	1106.9
10°	1180.1	1175.7	1160.1	1146.8	1138.0	1120.2	1100.3	1098.0	1095.8	1113.6	1118.0
12.5°	1233.3	1228.9	1220.0	1206.7	1177.9	1162.4	1131.3	1118.0	1115.8	1126.9	1118.0
15°	1311.0	1302.1	1277.7	1264.4	1235.6	1211.2	1173.5	1153.5	1157.9	1142.4	1138.0
17.5°	1355.3	1350.9	1348.7	1328.7	1306.5	1264.4	1228.9	1200.1	1208.9	1173.5	1160.1
20°	1404.2	1401.9	1406.4	1408.6	1379.8	1342.0	1297.7	1253.3	1255.5	1208.9	1182.3
22.5°	1466.3	1459.6	1468.5	1479.6	1455.2	1424.1	1366.4	1330.9	1313.2	1251.1	1220.0
25°	1539.5	1537.2	1537.2	1557.2	1552.8	1510.6	1455.2	1415.2	1397.5	1313.2	1266.6
27.5°	1614.9	1617.1	1621.5	1634.8	1641.5	1617.1	1563.9	1528.4	1495.1	1384.2	1337.6
30°	1663.7	1663.7	1694.7	1714.7	1723.6	1723.6	1659.2	1632.6	1599.4	1475.1	1417.5
32.5°	1723.6	1728.0	1756.9	1790.1	1803.4	1821.2	1767.9	1748.0	1719.1	1588.3	1535.0
35°	1765.7	1772.4	1816.7	1867.8	1903.3	1912.1	1881.1	1889.9	1876.6	1736.9	1708.1
37.5°	1581.6	1599.4	1665.9	1765.7	1861.1	1954.3	1987.5	2031.9	2038.6	1876.6	1807.9
40°	1377.5	1384.2	1459.6	1532.8	1650.4	1725.8	1810.1	1907.7	1854.5	1679.2	1665.9
42.5°	1222.3	1251.1	1355.3	1410.8	1501.8	1519.5	1477.4	1415.2	1319.9	1304.3	1297.7
45°	1195.6	1224.5	1328.7	1419.7	1464.0	1246.7	1129.1	1047.0	1084.7	1177.9	1166.8
47.5°	1319.9	1355.3	1464.0	1568.3	1477.4	1235.6	1157.9	1155.7	1124.7	1284.4	1313.2
50°	1395.3	1424.1	1550.6	1548.3	1475.1	1357.6	1399.7	1353.1	1297.7	1570.5	1732.5
52.5°	1433.0	1459.6	1504.0	1559.4	1566.1	1557.2	1568.3	1530.6	1446.3	1823.4	1945.4
55°	1328.7	1395.3	1588.3	1683.7	1723.6	1699.2	1705.8	1679.2	1623.8	1980.9	2167.2
57.5°	1663.7	1699.2	1770.2	1794.6	1819.0	1807.9	1816.7	1807.9	1756.9	2098.5	2280.4
60°	1856.7	1856.7	1887.7	1847.8	1861.1	1898.8	1925.4	1925.4	1872.2	2185.0	2326.9
62.5°	2063.0	2045.2	1925.4	1863.3	1878.9	1963.1	2003.1	1998.6	1943.2	2198.3	2338.0
65°	2023.0	1992.0	1949.8	1814.5	1832.3	1949.8	2005.3	2003.1	1945.4	2149.5	2302.5
67.5°	1725.8	1754.6	1805.7	1794.6	1750.2	1885.5	1972.0	1976.5	1909.9	2067.4	2238.2
70°	1495.1	1512.8	1543.9	1637.1	1657.0	1796.8	1934.3	1954.3	1865.5	1972.0	2147.3
72.5°	1302.1	1313.2	1288.8	1384.2	1455.2	1639.3	1801.2	1838.9	1748.0	1807.9	1994.2
75°	1113.6	1089.2	1060.3	1102.5	1157.9	1353.1	1550.6	1626.0	1546.1	1583.8	1767.9
77.5°	865.1	829.6	800.8	811.9	862.9	1031.5	1222.3	1342.0	1271.1	1268.8	1415.2
80°	590.1	559.0	539.0	534.6	572.3	676.6	814.1	956.1	894.0	834.1	898.4
82.5°	368.2	368.2	350.5	323.9	321.6	341.6	368.2	403.7	381.5	372.7	392.6
85°	230.7	232.9	224.0	195.2	188.6	193.0	206.3	215.2	208.5	215.2	221.8
87.5°	161.9	159.7	148.6	144.2	142.0	148.6	159.7	164.2	164.2	170.8	170.8
90°	122.0	122.0	115.3	113.1	113.1	119.8	130.9	139.7	146.4	157.5	157.5
92.5°	102.0	102.0	97.6	95.4	95.4	97.6	106.5	117.6	124.2	135.3	130.9
95°	84.3	84.3	82.1	82.1	82.1	84.3	88.7	95.4	97.6	97.6	97.6
97.5°	66.5	64.3	62.1	62.1	62.1	64.3	66.5	73.2	75.4	68.8	68.8
100°	46.6	44.4	42.1	44.4	44.4	44.4	46.6	48.8	48.8	44.4	42.1
102.5°	28.8	28.8	28.8	28.8	26.6	26.6	26.6	26.6	24.4	22.2	22.2
105°	20.0	20.0	17.7	17.7	17.7	17.7	15.5	15.5	15.5	13.3	13.3
107.5°	15.5	15.5	15.5	15.5	15.5	13.3	13.3	13.3	13.3	11.1	11.1
110°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.1	11.1	8.9	8.9



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	13.3	13.3	13.3	13.3	13.3	11.1	11.1	11.1	11.1	8.9	8.9
115°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	8.9	8.9
117.5°	11.1	11.1	11.1	11.1	11.1	11.1	8.9	8.9	8.9	11.1	8.9
120°	11.1	11.1	11.1	11.1	8.9	8.9	8.9	8.9	8.9	8.9	8.9
122.5°	11.1	11.1	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
125°	8.9	8.9	8.9	8.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7
127.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
130°	6.7	6.7	6.7	6.7	6.7	6.7	4.4	4.4	4.4	4.4	4.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8
2.5°	1069.2	1073.6	1082.5	1093.6	1102.5	1109.1	1113.6	1118.0	1118.0	1113.6	1118.0
5°	1093.6	1098.0	1113.6	1124.7	1124.7	1118.0	1113.6	1111.3	1115.8	1118.0	1122.4
7.5°	1113.6	1118.0	1111.3	1115.8	1120.2	1113.6	1104.7	1098.0	1091.4	1084.7	1089.2
10°	1115.8	1104.7	1104.7	1100.3	1084.7	1086.9	1084.7	1073.6	1064.8	1067.0	1069.2
12.5°	1113.6	1109.1	1091.4	1082.5	1075.9	1053.7	1044.8	1051.4	1038.1	1044.8	1035.9
15°	1133.5	1111.3	1093.6	1071.4	1047.0	1035.9	1020.4	998.2	989.3	991.6	993.8
17.5°	1146.8	1124.7	1082.5	1042.6	1029.3	993.8	976.0	964.9	949.4	951.6	960.5
20°	1169.0	1135.7	1075.9	1033.7	969.4	945.0	922.8	909.5	896.2	876.2	867.3
22.5°	1200.1	1157.9	1067.0	989.3	933.9	891.7	842.9	809.7	791.9	778.6	776.4
25°	1240.0	1191.2	1069.2	969.4	880.6	818.5	776.4	718.7	676.6	672.1	678.8
27.5°	1313.2	1228.9	1082.5	938.3	836.3	740.9	663.3	623.3	574.5	563.4	563.4
30°	1384.2	1288.8	1073.6	911.7	760.9	654.4	550.1	474.7	448.1	428.1	425.9
32.5°	1515.1	1373.1	1120.2	871.8	692.1	525.7	410.4	328.3	310.6	303.9	301.7
35°	1634.8	1488.4	1124.7	820.8	590.1	408.2	295.0	239.6	228.5	221.8	219.6
37.5°	1763.5	1599.4	1169.0	778.6	490.2	288.4	213.0	170.8	157.5	148.6	144.2
40°	1614.9	1466.3	1149.1	707.6	363.8	184.1	133.1	93.2	79.9	79.9	79.9
42.5°	1264.4	1113.6	869.6	572.3	213.0	106.5	66.5	64.3	66.5	68.8	68.8
45°	1120.2	922.8	532.4	303.9	88.7	59.9	53.2	51.0	57.7	64.3	66.5
47.5°	1317.6	1098.0	410.4	213.0	95.4	59.9	48.8	48.8	46.6	42.1	42.1
50°	1781.3	1481.8	470.3	244.0	119.8	66.5	48.8	42.1	42.1	44.4	46.6
52.5°	2009.7	1650.4	554.6	317.2	175.2	90.9	53.2	42.1	37.7	31.1	31.1
55°	2207.2	1783.5	656.6	410.4	257.3	142.0	75.4	44.4	37.7	31.1	28.8
57.5°	2271.5	1799.0	765.3	516.9	350.5	221.8	130.9	62.1	39.9	33.3	31.1
60°	2280.4	1816.7	847.4	630.0	457.0	323.9	215.2	113.1	51.0	39.9	37.7
62.5°	2291.4	1821.2	909.5	712.1	563.4	439.2	310.6	179.7	77.6	46.6	44.4
65°	2251.5	1767.9	894.0	694.3	594.5	485.8	357.1	210.7	88.7	53.2	51.0
67.5°	2185.0	1721.4	829.6	638.9	536.8	423.7	306.1	170.8	82.1	62.1	59.9
70°	2131.7	1674.8	796.4	634.4	496.9	370.4	246.2	124.2	97.6	84.3	79.9
72.5°	2000.9	1563.9	769.7	632.2	496.9	361.6	239.6	133.1	133.1	135.3	126.4
75°	1781.3	1397.5	729.8	614.5	485.8	359.4	230.7	144.2	144.2	128.7	122.0
77.5°	1470.7	1144.6	645.5	561.2	441.4	317.2	188.6	119.8	115.3	99.8	95.4
80°	973.8	820.8	514.6	463.6	363.8	255.1	139.7	93.2	86.5	73.2	68.8
82.5°	437.0	392.6	326.1	328.3	261.8	181.9	95.4	64.3	59.9	48.8	46.6
85°	239.6	226.3	177.5	155.3	133.1	95.4	55.5	42.1	35.5	26.6	26.6
87.5°	181.9	175.2	130.9	102.0	77.6	55.5	35.5	26.6	20.0	13.3	11.1
90°	166.4	157.5	106.5	82.1	62.1	44.4	28.8	17.7	13.3	8.9	6.7
92.5°	139.7	133.1	86.5	68.8	53.2	39.9	24.4	13.3	8.9	4.4	4.4
95°	102.0	99.8	64.3	53.2	42.1	33.3	20.0	11.1	6.7	4.4	2.2
97.5°	68.8	66.5	46.6	39.9	33.3	24.4	15.5	8.9	4.4	2.2	2.2
100°	42.1	42.1	28.8	26.6	22.2	17.7	11.1	6.7	4.4	2.2	2.2
102.5°	22.2	20.0	15.5	15.5	13.3	11.1	8.9	4.4	2.2	0.0	0.0
105°	13.3	11.1	11.1	8.9	8.9	6.7	6.7	4.4	2.2	0.0	0.0
107.5°	11.1	8.9	8.9	6.7	6.7	4.4	4.4	2.2	2.2	0.0	0.0
110°	8.9	8.9	6.7	6.7	4.4	4.4	4.4	2.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.9	6.7	6.7	4.4	4.4	4.4	2.2	2.2	0.0	0.0	0.0
115°	8.9	6.7	4.4	4.4	4.4	2.2	2.2	2.2	0.0	0.0	0.0
117.5°	8.9	6.7	4.4	4.4	4.4	2.2	2.2	2.2	0.0	0.0	0.0
120°	8.9	6.7	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0
122.5°	8.9	6.7	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0
125°	6.7	4.4	4.4	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
127.5°	6.7	4.4	4.4	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0
130°	4.4	4.4	4.4	2.2	2.2	2.2	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)