

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: P690856

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690856
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-C01-5TLD-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7512 lumens
Efficiency: N/A
Efficacy: 125.2 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): 60
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

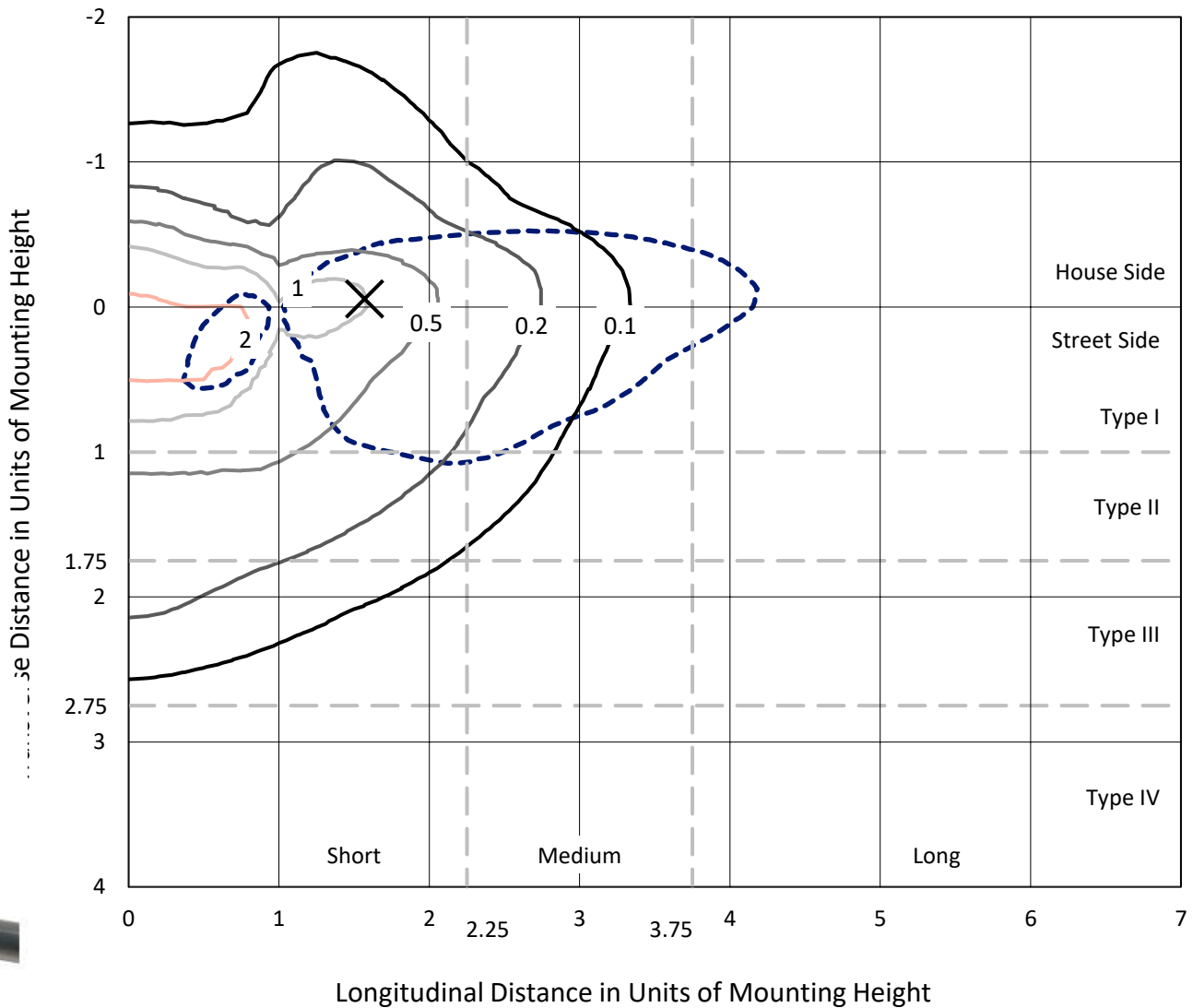


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

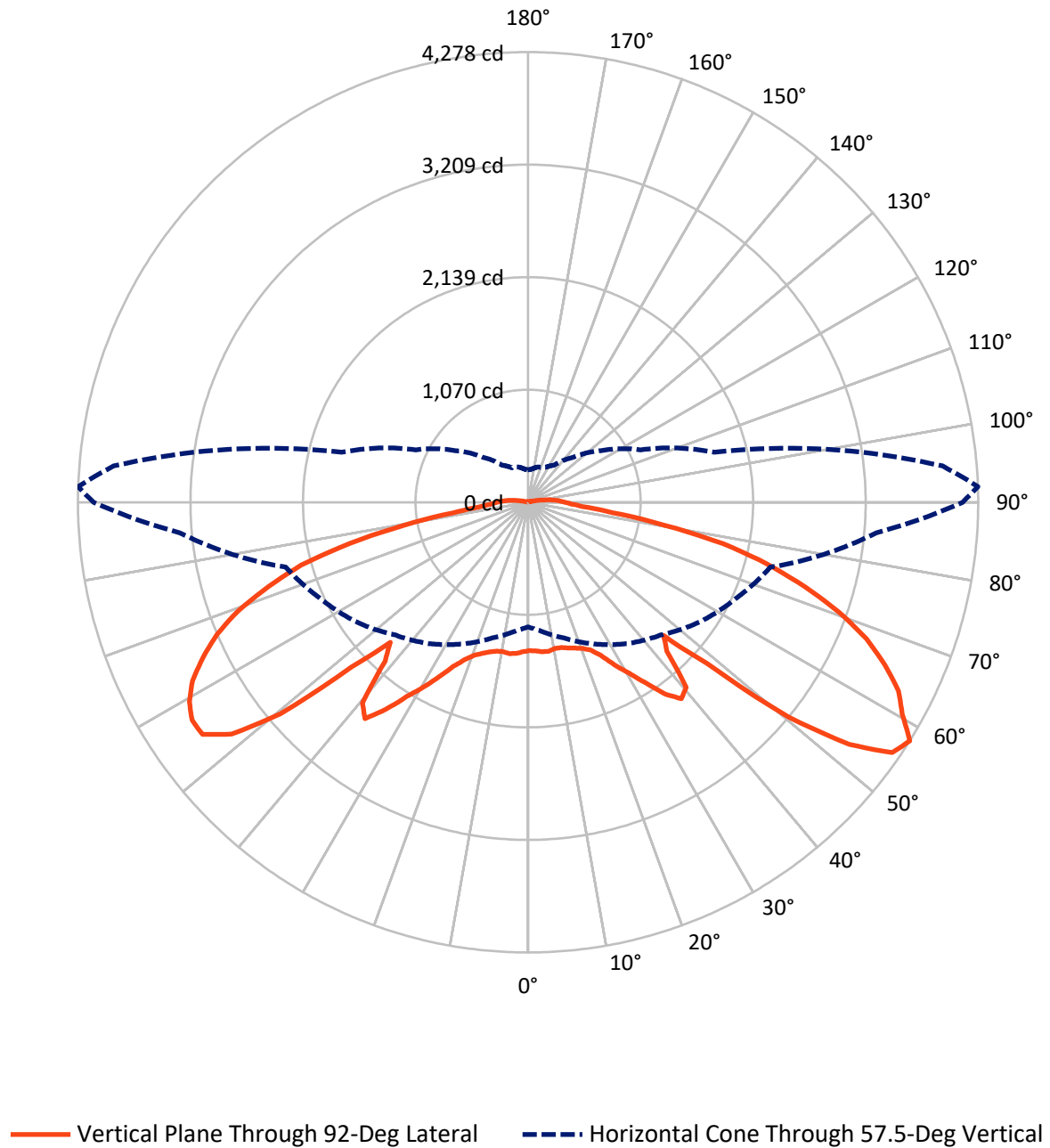


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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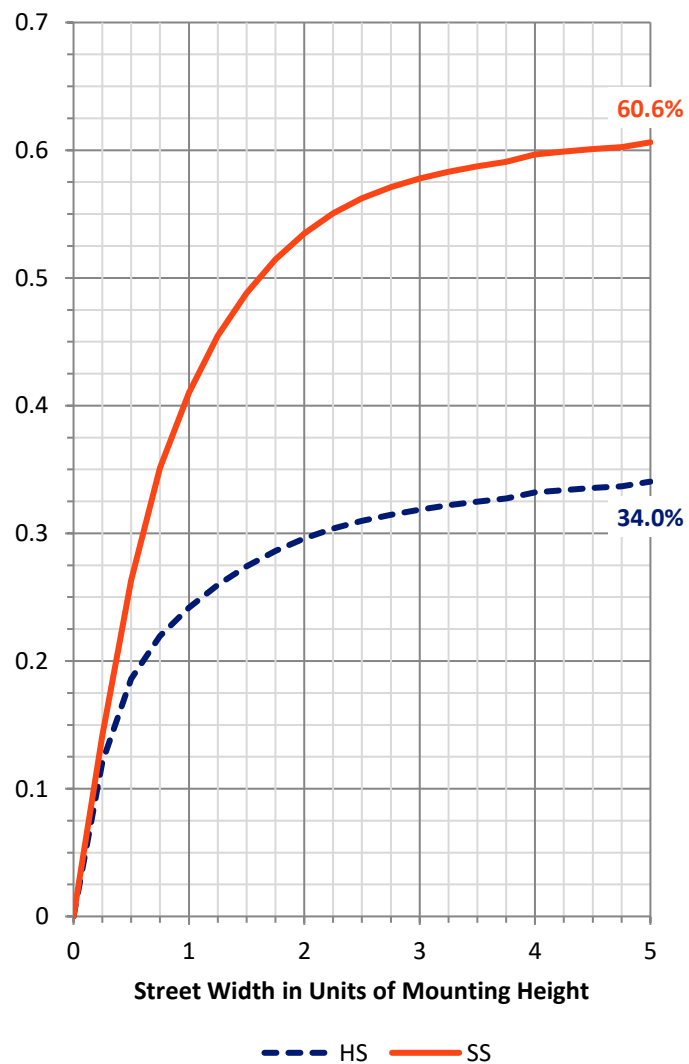
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2680.4	117.1	2797.5
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4618.9	95.6	4714.5
	% Fixture	61.5	1.3	62.8
Total	Lumens	7299.3	212.7	7512.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	1.8
10°-20°	398.1	5.3
20°-30°	660.2	8.8
30°-40°	913.7	12.2
40°-50°	853.2	11.4
50°-60°	1274.9	17.0
60°-70°	1514.4	20.2
70°-80°	1111.5	14.8
80°-90°	438.2	5.8
90°-100°	154.3	2.1
100°-110°	36.5	0.5
110°-120°	14.1	0.2
120°-130°	7.2	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°	7299.3	97.2
0°-180°	7512.0	100.0

Coefficient of Utilization



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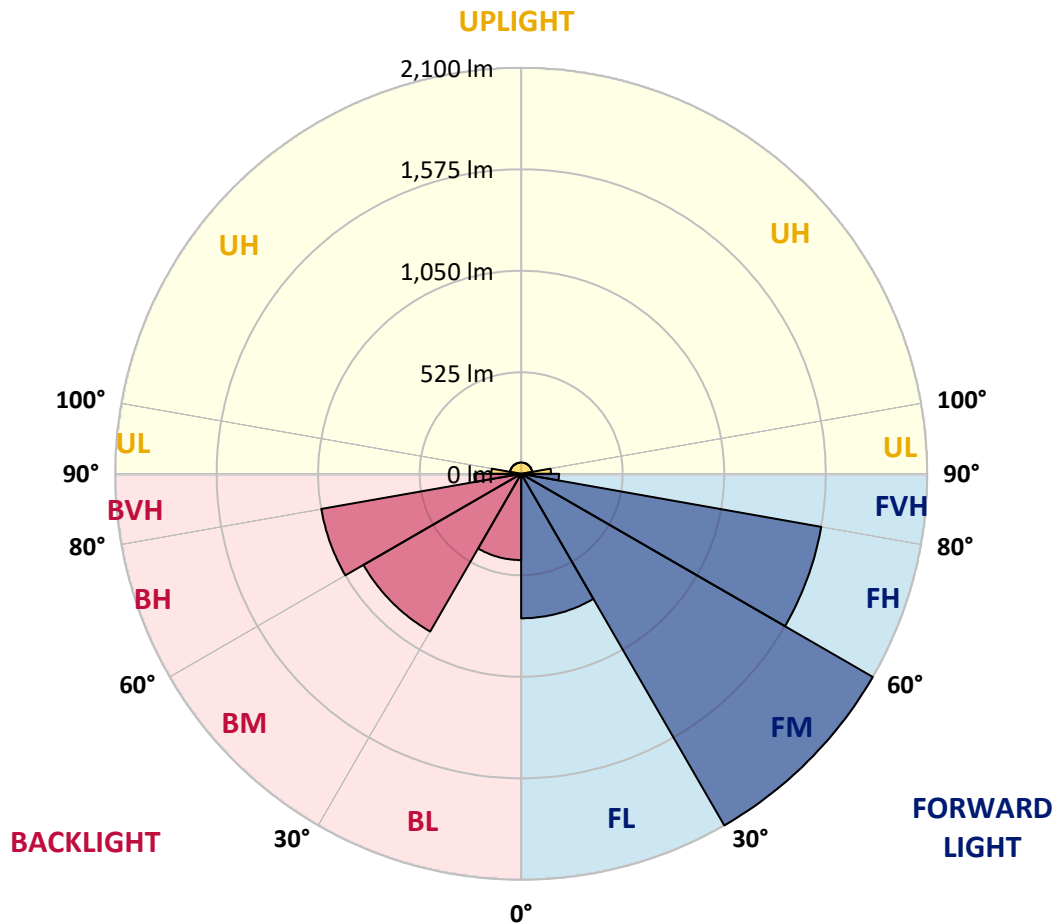
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	747.3	9.9			
FM	(30°-60°)	2099.9	28.0			
FH	(60°-80°)	1575.9	21.0			G1/1800
FVH	(80°-90°)	195.9	2.6			G2/225
BL	(0°-30°)	446.2	5.9	B1/500		
BM	(30°-60°)	941.9	12.5	B1/1000		
BH	(60°-80°)	1049.9	14.0	B3/2500		G3/2500
BVH	(80°-90°)	242.3	3.2			G3/500
UL	(90°-100°)	154.3	2.1		U3/500	
UH	(100°-180°)	58.4	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1469.8	1459.7	1462.3	1459.7	1454.7	1449.6	1444.5	1439.5	1431.9	1424.3	1419.2
5°	1555.9	1545.7	1545.7	1545.7	1535.6	1520.4	1500.2	1487.6	1469.8	1449.6	1434.4
7.5°	1614.0	1606.5	1603.9	1601.4	1588.7	1578.6	1555.9	1515.4	1487.6	1462.3	1439.5
10°	1634.3	1634.3	1631.8	1624.2	1611.5	1598.9	1583.7	1545.7	1500.2	1457.2	1426.8
12.5°	1672.2	1677.3	1669.7	1657.1	1652.0	1636.8	1614.0	1583.7	1533.1	1467.3	1431.9
15°	1730.4	1727.9	1717.8	1715.2	1710.2	1692.5	1672.2	1634.3	1576.1	1492.6	1452.1
17.5°	1755.7	1753.2	1753.2	1753.2	1753.2	1740.5	1738.0	1695.0	1634.3	1533.1	1482.5
20°	1760.8	1760.8	1768.4	1786.1	1788.6	1786.1	1798.7	1770.9	1700.1	1583.7	1515.4
22.5°	1793.7	1796.2	1808.8	1826.6	1839.2	1844.3	1854.4	1867.0	1801.3	1664.6	1578.6
25°	1776.0	1788.6	1816.4	1844.3	1874.6	1892.3	1948.0	1991.0	1935.3	1783.5	1667.2
27.5°	1745.6	1755.7	1811.4	1862.0	1930.3	2003.6	2084.6	2140.3	2107.4	1930.3	1808.8
30°	1773.4	1773.4	1808.8	1892.3	1980.9	2115.0	2233.9	2294.6	2279.4	2084.6	1973.3
32.5°	1715.2	1730.4	1806.3	1927.7	2061.8	2236.4	2357.8	2471.7	2486.8	2284.5	2104.8
35°	1543.2	1576.1	1626.7	1786.1	2013.8	2317.3	2504.6	2648.8	2712.0	2512.1	2302.2
37.5°	1275.0	1287.7	1394.0	1553.3	1824.0	2125.1	2448.9	2800.5	2932.1	2684.2	2499.5
40°	1125.8	1133.4	1201.7	1340.8	1568.5	1864.5	2137.7	2499.5	2603.2	2577.9	2403.4
42.5°	1075.2	1087.8	1168.8	1302.9	1495.1	1700.1	1770.9	1927.7	1887.3	1996.1	2051.7
45°	1135.9	1143.5	1201.7	1318.1	1439.5	1528.0	1477.4	1588.7	1644.4	1859.4	1872.1
47.5°	1178.9	1184.0	1247.2	1394.0	1414.2	1416.7	1485.0	1550.8	1705.1	2170.6	2378.1
50°	1011.9	1037.2	1158.7	1285.2	1295.3	1495.1	1689.9	1821.5	2011.2	2858.7	3255.9
52.5°	938.6	951.2	1082.8	1302.9	1449.6	1682.4	1821.5	1953.0	2135.2	3157.3	3855.5
55°	1029.7	1049.9	1206.7	1452.1	1598.9	1758.2	1932.8	2094.7	2274.3	3311.6	4123.7
57.5°	1184.0	1221.9	1335.8	1485.0	1639.3	1783.5	1985.9	2173.1	2383.1	3321.7	4128.7
60°	1490.1	1462.3	1399.0	1464.8	1614.0	1778.5	2011.2	2211.1	2443.8	3319.2	4012.3
62.5°	1700.1	1659.6	1449.6	1419.2	1558.4	1725.4	1955.6	2206.0	2431.2	3207.9	3880.8
65°	1659.6	1631.8	1469.8	1358.5	1459.7	1639.3	1879.7	2175.7	2370.5	3089.0	3643.0
67.5°	1431.9	1399.0	1330.7	1287.7	1338.3	1548.3	1808.8	2115.0	2299.6	2952.3	3382.4
70°	1168.8	1151.1	1128.3	1173.9	1237.1	1434.4	1679.8	1983.4	2165.6	2691.8	3104.1
72.5°	991.7	981.6	953.8	1001.8	1108.1	1285.2	1490.1	1793.7	1998.6	2340.1	2760.1
75°	834.9	837.4	822.2	852.6	920.9	1095.4	1257.3	1553.3	1781.0	2008.7	2388.2
77.5°	685.6	678.0	693.2	710.9	756.4	882.9	991.7	1249.7	1520.4	1593.8	1831.6
80°	500.9	513.6	541.4	538.9	576.8	632.5	705.8	842.4	1067.6	1141.0	1232.0
82.5°	354.2	369.4	394.7	366.8	371.9	387.1	420.0	483.2	602.1	675.5	751.4
85°	250.5	258.0	263.1	242.9	242.9	253.0	275.8	321.3	394.7	440.2	480.7
87.5°	182.1	184.7	194.8	184.7	187.2	192.3	212.5	242.9	303.6	336.5	369.4
90°	139.1	139.1	144.2	141.7	146.7	156.9	177.1	202.4	247.9	288.4	318.8
92.5°	101.2	101.2	106.3	108.8	111.3	124.0	141.7	161.9	192.3	242.9	273.2
95°	78.4	78.4	83.5	83.5	86.0	96.1	111.3	131.6	154.3	189.7	217.6
97.5°	58.2	58.2	63.2	63.2	65.8	73.4	86.0	98.7	118.9	141.7	154.3
100°	45.5	45.5	48.1	48.1	50.6	58.2	65.8	73.4	78.4	91.1	96.1
102.5°	37.9	37.9	37.9	37.9	37.9	43.0	45.5	45.5	48.1	55.7	58.2
105°	30.4	30.4	30.4	27.8	27.8	30.4	30.4	30.4	32.9	32.9	35.4
107.5°	22.8	22.8	22.8	22.8	22.8	25.3	25.3	25.3	25.3	27.8	27.8
110°	20.2	20.2	20.2	20.2	20.2	20.2	22.8	22.8	22.8	22.8	22.8

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CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.7	17.7	17.7	17.7	17.7	17.7	20.2	20.2	20.2	20.2	20.2
115°	15.2	15.2	15.2	15.2	15.2	17.7	20.2	17.7	17.7	17.7	17.7
117.5°	12.6	12.6	12.6	15.2	15.2	15.2	17.7	15.2	15.2	15.2	17.7
120°	10.1	10.1	12.6	12.6	12.6	12.6	12.6	12.6	15.2	15.2	15.2
122.5°	10.1	10.1	10.1	10.1	10.1	12.6	12.6	12.6	12.6	12.6	15.2
125°	7.6	7.6	7.6	10.1	10.1	10.1	10.1	10.1	10.1	12.6	12.6
127.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.1	10.1	10.1
130°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1414.2	1414.2	1399.0	1383.8	1368.7	1353.5	1340.8	1333.2	1323.1	1325.6	1325.6
5°	1426.8	1419.2	1386.4	1366.1	1343.4	1323.1	1302.9	1285.2	1280.1	1277.6	1267.5
7.5°	1429.4	1416.7	1381.3	1350.9	1307.9	1259.9	1237.1	1216.9	1204.2	1214.3	1209.3
10°	1411.7	1396.5	1356.0	1310.5	1249.7	1209.3	1173.9	1153.6	1143.5	1146.0	1143.5
12.5°	1416.7	1399.0	1333.2	1264.9	1214.3	1146.0	1103.0	1085.3	1072.7	1072.7	1065.1
15°	1437.0	1406.6	1313.0	1242.2	1158.7	1100.5	1049.9	1037.2	1032.2	1027.1	1019.5
17.5°	1457.2	1414.2	1310.5	1201.7	1108.1	1044.8	994.2	971.5	958.8	958.8	956.3
20°	1482.5	1429.4	1295.3	1158.7	1060.0	976.5	915.8	895.6	885.4	882.9	877.9
22.5°	1525.5	1469.8	1287.7	1141.0	996.8	910.7	852.6	814.6	794.4	791.8	791.8
25°	1611.5	1543.2	1302.9	1092.9	953.8	842.4	771.6	733.7	710.9	710.9	708.4
27.5°	1748.1	1639.3	1325.6	1075.2	872.8	769.1	695.7	637.5	617.3	617.3	619.8
30°	1882.2	1786.1	1383.8	1037.2	827.3	672.9	584.4	541.4	516.1	506.0	508.5
32.5°	2041.6	1940.4	1464.8	1011.9	736.2	559.1	478.1	455.4	417.4	407.3	399.7
35°	2236.4	2089.7	1555.9	976.5	665.4	475.6	409.8	364.3	346.6	333.9	331.4
37.5°	2367.9	2238.9	1636.8	984.1	566.7	430.1	356.7	308.6	290.9	293.5	293.5
40°	2312.3	2163.0	1657.1	933.5	483.2	374.4	298.5	270.7	260.6	263.1	265.6
42.5°	1932.8	1854.4	1371.2	834.9	399.7	301.1	250.5	250.5	258.0	250.5	250.5
45°	1806.3	1609.0	996.8	586.9	301.1	247.9	237.8	245.4	263.1	263.1	263.1
47.5°	2287.0	2064.4	893.0	490.8	336.5	278.3	258.0	245.4	247.9	245.4	245.4
50°	3207.9	2858.7	1199.2	612.2	407.3	331.4	293.5	268.2	268.2	263.1	258.0
52.5°	3820.1	3453.3	1459.7	766.5	511.0	387.1	336.5	290.9	275.8	265.6	263.1
55°	4199.6	3921.3	1684.9	981.6	665.4	460.4	374.4	326.4	303.6	283.3	280.8
57.5°	4278.0	3954.2	1834.1	1178.9	857.6	604.6	430.1	361.8	346.6	313.7	308.6
60°	4085.7	3870.7	1892.3	1307.9	1024.6	796.9	561.6	420.0	387.1	364.3	359.2
62.5°	3951.6	3703.7	1872.1	1350.9	1128.3	956.3	738.7	516.1	422.5	425.0	447.8
65°	3726.5	3559.5	1722.8	1287.7	1123.3	1009.4	829.8	597.0	435.1	430.1	457.9
67.5°	3468.4	3336.9	1573.6	1148.6	1034.7	936.0	771.6	569.2	412.4	387.1	389.6
70°	3137.0	3025.7	1421.8	1070.1	953.8	829.8	670.4	493.3	407.3	366.8	366.8
72.5°	2755.0	2623.5	1295.3	1011.9	910.7	796.9	642.6	475.6	437.7	422.5	435.1
75°	2350.2	2183.3	1196.6	956.3	880.4	796.9	640.1	475.6	437.7	425.0	425.0
77.5°	1894.9	1796.2	1090.4	867.7	819.7	759.0	589.5	442.7	430.1	425.0	425.0
80°	1310.5	1295.3	888.0	753.9	741.2	718.5	554.0	427.5	427.5	420.0	409.8
82.5°	804.5	766.5	635.0	564.2	607.2	640.1	503.4	402.2	392.1	384.5	379.5
85°	521.2	523.7	445.3	394.7	420.0	488.3	425.0	364.3	349.1	354.2	354.2
87.5°	399.7	412.4	349.1	321.3	316.2	331.4	333.9	326.4	316.2	308.6	311.2
90°	344.1	349.1	280.8	258.0	255.5	260.6	260.6	275.8	275.8	250.5	235.3
92.5°	288.4	296.0	232.7	210.0	210.0	217.6	222.6	222.6	202.4	164.4	146.7
95°	227.7	232.7	184.7	167.0	169.5	169.5	167.0	159.4	124.0	73.4	65.8
97.5°	159.4	161.9	136.6	126.5	129.0	124.0	108.8	98.7	75.9	43.0	40.5
100°	101.2	103.7	86.0	83.5	91.1	81.0	70.8	65.8	45.5	27.8	32.9
102.5°	60.7	60.7	53.1	50.6	55.7	48.1	43.0	35.4	27.8	17.7	22.8
105°	35.4	35.4	32.9	32.9	32.9	30.4	27.8	22.8	15.2	12.6	12.6
107.5°	27.8	27.8	25.3	25.3	22.8	22.8	20.2	15.2	10.1	7.6	7.6
110°	22.8	22.8	20.2	20.2	20.2	17.7	15.2	12.6	7.6	5.1	5.1

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.2	20.2	17.7	17.7	15.2	15.2	12.6	10.1	7.6	5.1	5.1
115°	17.7	17.7	15.2	12.6	12.6	12.6	10.1	7.6	5.1	2.5	5.1
117.5°	17.7	17.7	12.6	10.1	10.1	10.1	7.6	7.6	5.1	2.5	2.5
120°	15.2	15.2	10.1	10.1	7.6	7.6	7.6	5.1	2.5	2.5	2.5
122.5°	12.6	12.6	10.1	7.6	7.6	7.6	5.1	5.1	2.5	2.5	2.5
125°	12.6	12.6	7.6	7.6	7.6	5.1	5.1	5.1	2.5	0.0	0.0
127.5°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	2.5	2.5	0.0	0.0
130°	7.6	7.6	7.6	7.6	5.1	5.1	5.1	2.5	2.5	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)