

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: P690940

Luminaire Tested: **CRTK2-C01-D-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690940
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-D-U-T2-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8659 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

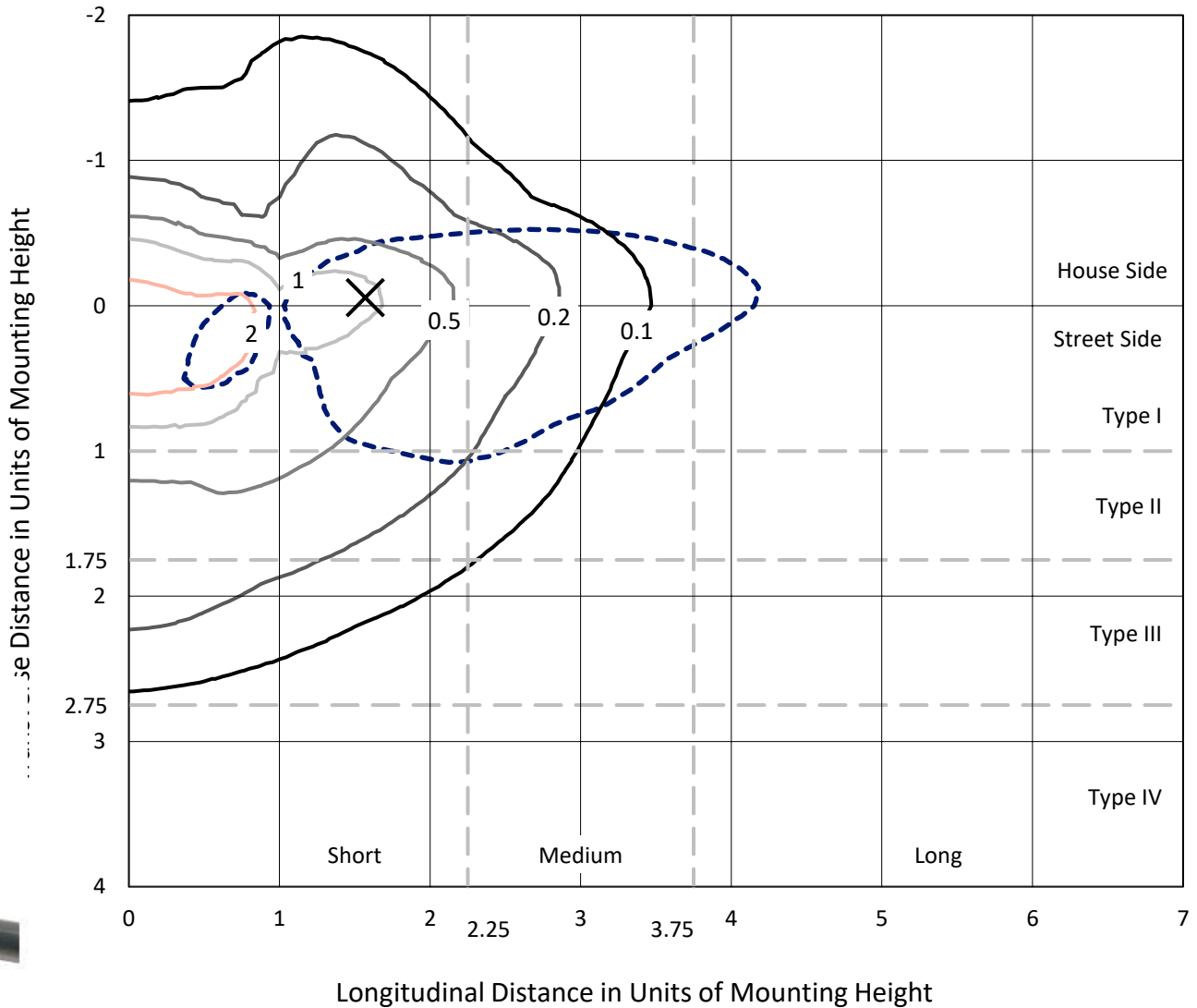
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

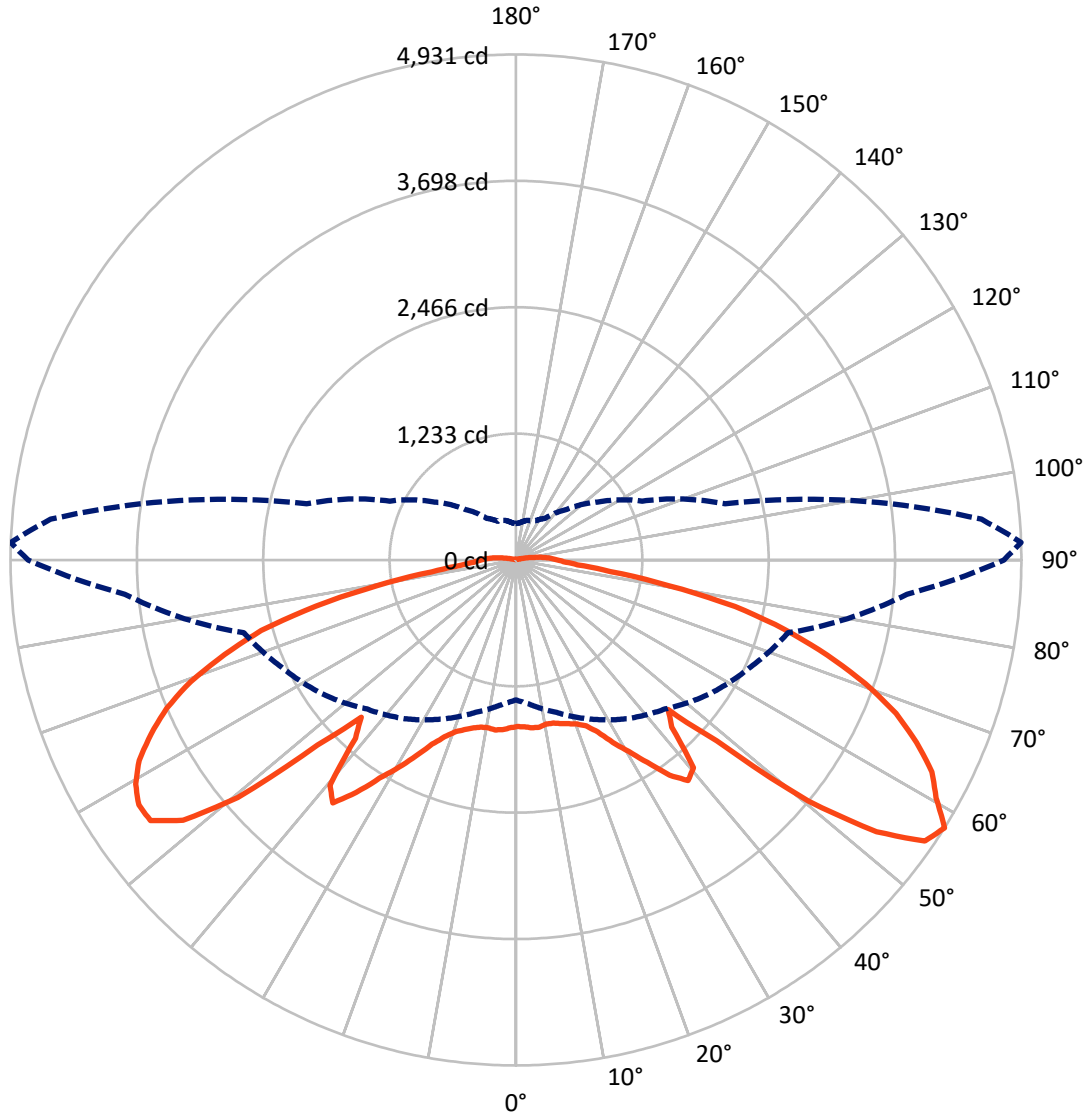
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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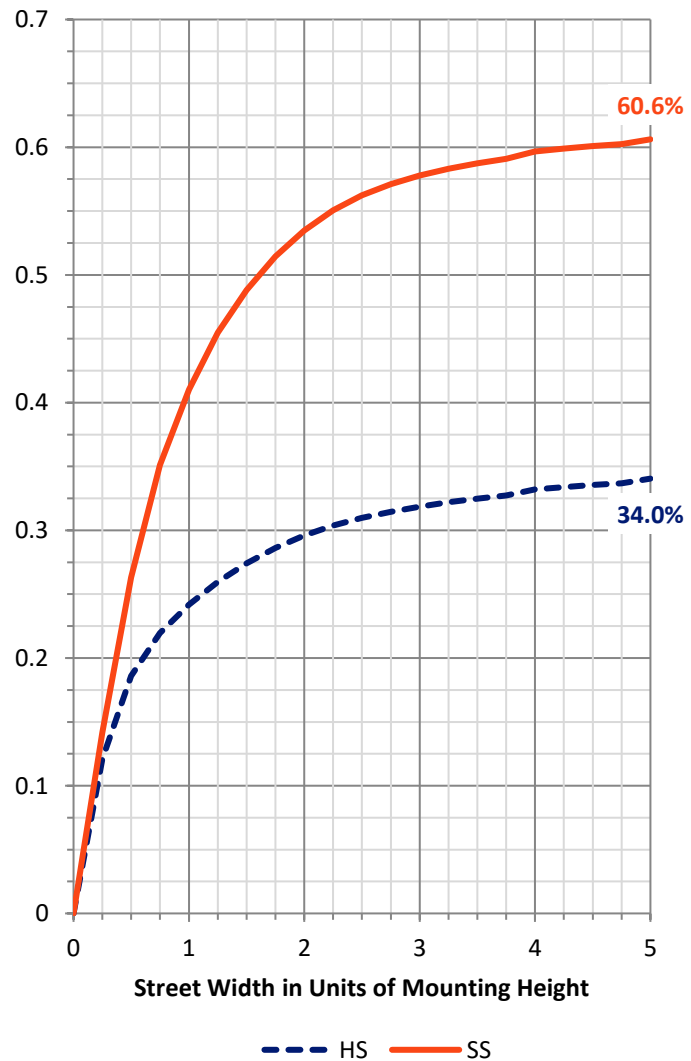
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3089.6	135.0	3224.6
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5324.2	110.2	5434.4
	% Fixture	61.5	1.3	62.8
Total	Lumens	8413.8	245.1	8659.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	1.8
10°-20°	458.8	5.3
20°-30°	761.0	8.8
30°-40°	1053.3	12.2
40°-50°	983.5	11.4
50°-60°	1469.5	17.0
60°-70°	1745.6	20.2
70°-80°	1281.2	14.8
80°-90°	505.1	5.8
90°-100°	177.9	2.1
100°-110°	42.1	0.5
110°-120°	16.2	0.2
120°-130°	8.3	0.1
130°-140°	0.7	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°	8413.8	97.2
0°-180°	8659.0	100.0



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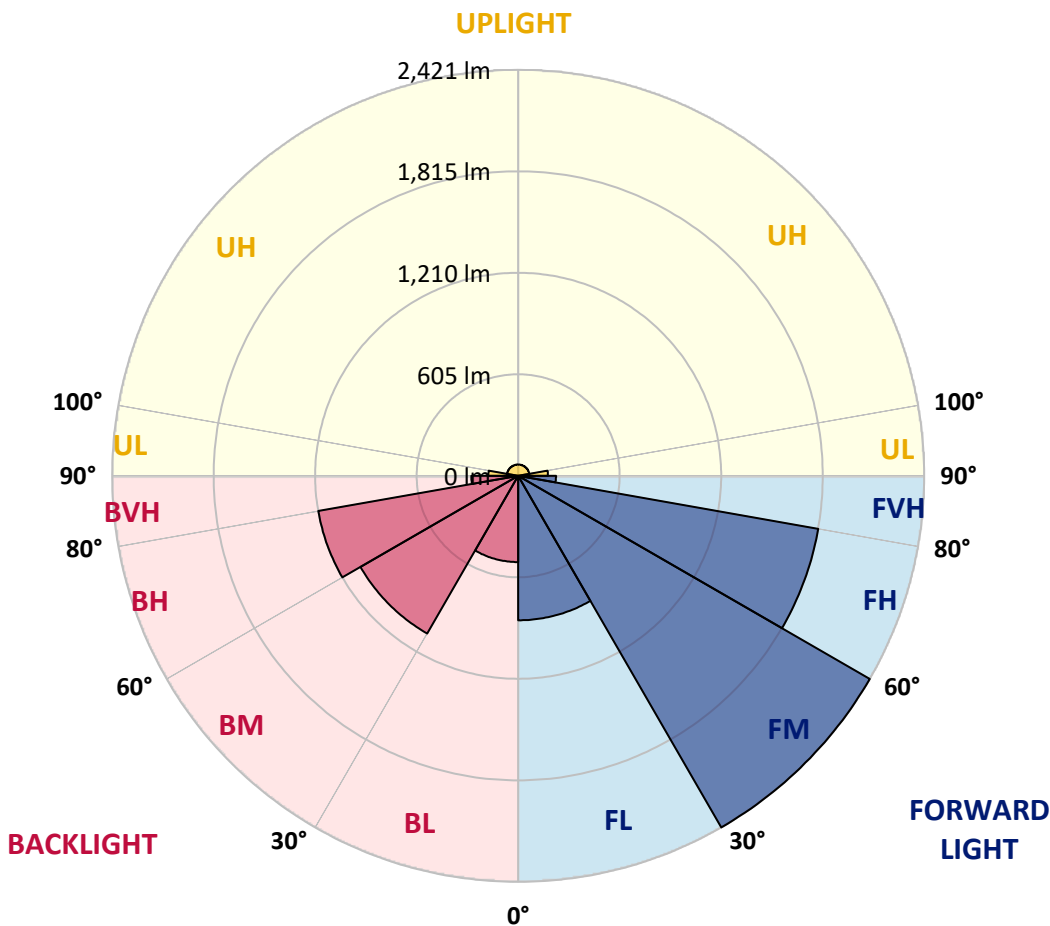
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	861.3	9.9			
FM (30°-60°)	2420.6	28.0			
FH (60°-80°)	1816.5	21.0			G2/5000
FVH (80°-90°)	225.8	2.6			G3/500
BL (0°-30°)	514.3	5.9	B2/1000		
BM (30°-60°)	1085.7	12.5	B2/2500		
BH (60°-80°)	1210.3	14.0	B3/2500		G3/2500
BVH (80°-90°)	279.3	3.2			G3/500
UL (90°-100°)	177.9	2.1		U3/500	
UH (100°-180°)	67.3	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°	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3
2.5°	1694.3	1682.6	1685.5	1682.6	1676.8	1670.9	1665.1	1659.3	1650.5	1641.8	1636.0
5°	1793.4	1781.8	1781.8	1781.8	1770.1	1752.6	1729.3	1714.7	1694.3	1670.9	1653.4
7.5°	1860.5	1851.7	1848.8	1845.9	1831.3	1819.7	1793.4	1746.8	1714.7	1685.5	1659.3
10°	1883.8	1883.8	1880.9	1872.2	1857.6	1843.0	1825.5	1781.8	1729.3	1679.7	1644.7
12.5°	1927.6	1933.4	1924.6	1910.1	1904.2	1886.7	1860.5	1825.5	1767.2	1691.4	1650.5
15°	1994.6	1991.7	1980.1	1977.1	1971.3	1950.9	1927.6	1883.8	1816.8	1720.5	1673.9
17.5°	2023.8	2020.9	2020.9	2020.9	2020.9	2006.3	2003.4	1953.8	1883.8	1767.2	1708.9
20°	2029.6	2029.6	2038.4	2058.8	2061.7	2058.8	2073.4	2041.3	1959.6	1825.5	1746.8
22.5°	2067.5	2070.5	2085.0	2105.5	2120.0	2125.9	2137.5	2152.1	2076.3	1918.8	1819.7
25°	2047.1	2061.7	2093.8	2125.9	2160.9	2181.3	2245.4	2295.0	2230.8	2055.9	1921.7
27.5°	2012.1	2023.8	2088.0	2146.3	2225.0	2309.6	2402.9	2467.1	2429.1	2225.0	2085.0
30°	2044.2	2044.2	2085.0	2181.3	2283.3	2437.9	2574.9	2644.9	2627.4	2402.9	2274.6
32.5°	1977.1	1994.6	2082.1	2222.1	2376.7	2577.9	2717.8	2849.1	2866.6	2633.3	2426.2
35°	1778.8	1816.8	1875.1	2058.8	2321.2	2671.2	2887.0	3053.2	3126.1	2895.7	2653.7
37.5°	1469.7	1484.3	1606.8	1790.5	2102.5	2449.6	2822.8	3228.2	3379.8	3094.0	2881.1
40°	1297.7	1306.4	1385.2	1545.6	1808.0	2149.2	2464.1	2881.1	3000.7	2971.5	2770.3
42.5°	1239.4	1253.9	1347.3	1501.8	1723.4	1959.6	2041.3	2222.1	2175.4	2300.8	2365.0
45°	1309.3	1318.1	1385.2	1519.3	1659.3	1761.3	1703.0	1831.3	1895.5	2143.4	2157.9
47.5°	1358.9	1364.8	1437.7	1606.8	1630.1	1633.0	1711.8	1787.6	1965.5	2502.0	2741.2
50°	1166.5	1195.6	1335.6	1481.4	1493.1	1723.4	1948.0	2099.6	2318.3	3295.2	3753.1
52.5°	1081.9	1096.5	1248.1	1501.8	1670.9	1939.2	2099.6	2251.3	2461.2	3639.3	4444.2
55°	1186.9	1210.2	1391.0	1673.9	1843.0	2026.7	2227.9	2414.6	2621.6	3817.2	4753.3
57.5°	1364.8	1408.5	1539.7	1711.8	1889.7	2055.9	2289.2	2505.0	2747.0	3828.9	4759.1
60°	1717.6	1685.5	1612.6	1688.4	1860.5	2050.0	2318.3	2548.7	2817.0	3826.0	4625.0
62.5°	1959.6	1913.0	1670.9	1636.0	1796.3	1988.8	2254.2	2542.9	2802.4	3697.7	4473.4
65°	1913.0	1880.9	1694.3	1566.0	1682.6	1889.7	2166.7	2507.9	2732.4	3560.6	4199.2
67.5°	1650.5	1612.6	1533.9	1484.3	1542.6	1784.7	2085.0	2437.9	2650.8	3403.1	3898.9
70°	1347.3	1326.8	1300.6	1353.1	1426.0	1653.4	1936.3	2286.3	2496.2	3102.8	3578.1
72.5°	1143.1	1131.5	1099.4	1154.8	1277.3	1481.4	1717.6	2067.5	2303.7	2697.4	3181.5
75°	962.3	965.2	947.7	982.7	1061.5	1262.7	1449.3	1790.5	2053.0	2315.4	2752.8
77.5°	790.3	781.5	799.0	819.4	871.9	1017.7	1143.1	1440.6	1752.6	1837.2	2111.3
80°	577.4	592.0	624.1	621.1	664.9	729.0	813.6	971.1	1230.6	1315.2	1420.2
82.5°	408.3	425.8	454.9	422.8	428.7	446.2	484.1	557.0	694.0	778.6	866.1
85°	288.7	297.4	303.3	279.9	279.9	291.6	317.9	370.3	454.9	507.4	554.1
87.5°	210.0	212.9	224.5	212.9	215.8	221.6	245.0	279.9	349.9	387.8	425.8
90°	160.4	160.4	166.2	163.3	169.1	180.8	204.1	233.3	285.8	332.4	367.4
92.5°	116.6	116.6	122.5	125.4	128.3	142.9	163.3	186.6	221.6	279.9	314.9
95°	90.4	90.4	96.2	96.2	99.1	110.8	128.3	151.6	177.9	218.7	250.8
97.5°	67.1	67.1	72.9	72.9	75.8	84.6	99.1	113.7	137.1	163.3	177.9
100°	52.5	52.5	55.4	55.4	58.3	67.1	75.8	84.6	90.4	105.0	110.8
102.5°	43.7	43.7	43.7	43.7	43.7	49.6	52.5	52.5	55.4	64.2	67.1
105°	35.0	35.0	35.0	32.1	32.1	35.0	35.0	35.0	37.9	37.9	40.8
107.5°	26.2	26.2	26.2	26.2	26.2	29.2	29.2	29.2	29.2	32.1	32.1
110°	23.3	23.3	23.3	23.3	23.3	23.3	26.2	26.2	26.2	26.2	26.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.4	20.4	20.4	20.4	20.4	20.4	23.3	23.3	23.3	23.3	23.3
115°	17.5	17.5	17.5	17.5	17.5	20.4	23.3	20.4	20.4	20.4	20.4
117.5°	14.6	14.6	14.6	17.5	17.5	17.5	20.4	17.5	17.5	17.5	20.4
120°	11.7	11.7	14.6	14.6	14.6	14.6	14.6	14.6	17.5	17.5	17.5
122.5°	11.7	11.7	11.7	11.7	11.7	14.6	14.6	14.6	14.6	14.6	17.5
125°	8.7	8.7	8.7	11.7	11.7	11.7	11.7	11.7	11.7	14.6	14.6
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	11.7	11.7	11.7
130°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3	1624.3
2.5°	1630.1	1630.1	1612.6	1595.1	1577.6	1560.1	1545.6	1536.8	1525.1	1528.1	1528.1
5°	1644.7	1636.0	1598.0	1574.7	1548.5	1525.1	1501.8	1481.4	1475.6	1472.6	1461.0
7.5°	1647.6	1633.0	1592.2	1557.2	1507.6	1452.2	1426.0	1402.7	1388.1	1399.7	1393.9
10°	1627.2	1609.7	1563.0	1510.6	1440.6	1393.9	1353.1	1329.8	1318.1	1321.0	1318.1
12.5°	1633.0	1612.6	1536.8	1458.1	1399.7	1321.0	1271.4	1251.0	1236.4	1236.4	1227.7
15°	1656.4	1621.4	1513.5	1431.8	1335.6	1268.5	1210.2	1195.6	1189.8	1184.0	1175.2
17.5°	1679.7	1630.1	1510.6	1385.2	1277.3	1204.4	1146.0	1119.8	1105.2	1105.2	1102.3
20°	1708.9	1647.6	1493.1	1335.6	1221.9	1125.6	1055.6	1032.3	1020.6	1017.7	1011.9
22.5°	1758.4	1694.3	1484.3	1315.2	1149.0	1049.8	982.7	939.0	915.7	912.8	912.8
25°	1857.6	1778.8	1501.8	1259.8	1099.4	971.1	889.4	845.7	819.4	819.4	816.5
27.5°	2015.0	1889.7	1528.1	1239.4	1006.1	886.5	801.9	734.9	711.5	711.5	714.5
30°	2169.6	2058.8	1595.1	1195.6	953.6	775.7	673.6	624.1	594.9	583.2	586.1
32.5°	2353.3	2236.7	1688.4	1166.5	848.6	644.5	551.1	524.9	481.2	469.5	460.7
35°	2577.9	2408.7	1793.4	1125.6	766.9	548.2	472.4	419.9	399.5	384.9	382.0
37.5°	2729.5	2580.8	1886.7	1134.4	653.2	495.7	411.2	355.8	335.4	338.3	338.3
40°	2665.3	2493.3	1910.1	1076.1	557.0	431.6	344.1	312.0	300.4	303.3	306.2
42.5°	2227.9	2137.5	1580.5	962.3	460.7	347.0	288.7	288.7	297.4	288.7	288.7
45°	2082.1	1854.7	1149.0	676.5	347.0	285.8	274.1	282.9	303.3	303.3	303.3
47.5°	2636.2	2379.6	1029.4	565.7	387.8	320.8	297.4	282.9	285.8	282.9	282.9
50°	3697.7	3295.2	1382.2	705.7	469.5	382.0	338.3	309.1	309.1	303.3	297.4
52.5°	4403.4	3980.5	1682.6	883.6	589.1	446.2	387.8	335.4	317.9	306.2	303.3
55°	4840.8	4520.0	1942.1	1131.5	766.9	530.7	431.6	376.2	349.9	326.6	323.7
57.5°	4931.2	4557.9	2114.2	1358.9	988.6	697.0	495.7	417.0	399.5	361.6	355.8
60°	4709.6	4461.7	2181.3	1507.6	1181.0	918.6	647.4	484.1	446.2	419.9	414.1
62.5°	4555.0	4269.2	2157.9	1557.2	1300.6	1102.3	851.5	594.9	487.0	489.9	516.2
65°	4295.5	4103.0	1985.9	1484.3	1294.8	1163.5	956.5	688.2	501.6	495.7	527.8
67.5°	3998.0	3846.4	1813.8	1323.9	1192.7	1079.0	889.4	656.1	475.3	446.2	449.1
70°	3616.0	3487.7	1638.9	1233.5	1099.4	956.5	772.8	568.6	469.5	422.8	422.8
72.5°	3175.7	3024.0	1493.1	1166.5	1049.8	918.6	740.7	548.2	504.5	487.0	501.6
75°	2709.1	2516.6	1379.3	1102.3	1014.8	918.6	737.8	548.2	504.5	489.9	489.9
77.5°	2184.2	2070.5	1256.9	1000.2	944.8	874.8	679.5	510.3	495.7	489.9	489.9
80°	1510.6	1493.1	1023.6	869.0	854.4	828.2	638.6	492.8	492.8	484.1	472.4
82.5°	927.3	883.6	732.0	650.3	699.9	737.8	580.3	463.7	452.0	443.3	437.4
85°	600.7	603.6	513.2	454.9	484.1	562.8	489.9	419.9	402.4	408.3	408.3
87.5°	460.7	475.3	402.4	370.3	364.5	382.0	384.9	376.2	364.5	355.8	358.7
90°	396.6	402.4	323.7	297.4	294.5	300.4	300.4	317.9	317.9	288.7	271.2
92.5°	332.4	341.2	268.3	242.0	242.0	250.8	256.6	256.6	233.3	189.5	169.1
95°	262.5	268.3	212.9	192.5	195.4	195.4	192.5	183.7	142.9	84.6	75.8
97.5°	183.7	186.6	157.5	145.8	148.7	142.9	125.4	113.7	87.5	49.6	46.7
100°	116.6	119.6	99.1	96.2	105.0	93.3	81.7	75.8	52.5	32.1	37.9
102.5°	70.0	70.0	61.2	58.3	64.2	55.4	49.6	40.8	32.1	20.4	26.2
105°	40.8	40.8	37.9	37.9	37.9	35.0	32.1	26.2	17.5	14.6	14.6
107.5°	32.1	32.1	29.2	29.2	26.2	26.2	23.3	17.5	11.7	8.7	8.7
110°	26.2	26.2	23.3	23.3	23.3	20.4	17.5	14.6	8.7	5.8	5.8



REPORT NUMBER: P690940
 CATALOG NUMBER: CRTK2-C01-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	23.3	20.4	20.4	17.5	17.5	14.6	11.7	8.7	5.8	5.8
115°	20.4	20.4	17.5	14.6	14.6	14.6	11.7	8.7	5.8	2.9	5.8
117.5°	20.4	20.4	14.6	11.7	11.7	11.7	8.7	8.7	5.8	2.9	2.9
120°	17.5	17.5	11.7	11.7	8.7	8.7	8.7	5.8	2.9	2.9	2.9
122.5°	14.6	14.6	11.7	8.7	8.7	8.7	5.8	5.8	2.9	2.9	2.9
125°	14.6	14.6	8.7	8.7	8.7	5.8	5.8	5.8	2.9	0.0	0.0
127.5°	11.7	11.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0
130°	8.7	8.7	8.7	8.7	5.8	5.8	5.8	2.9	2.9	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)