

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: P690880

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690880
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-C01-5TLD-U-T3-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8802 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

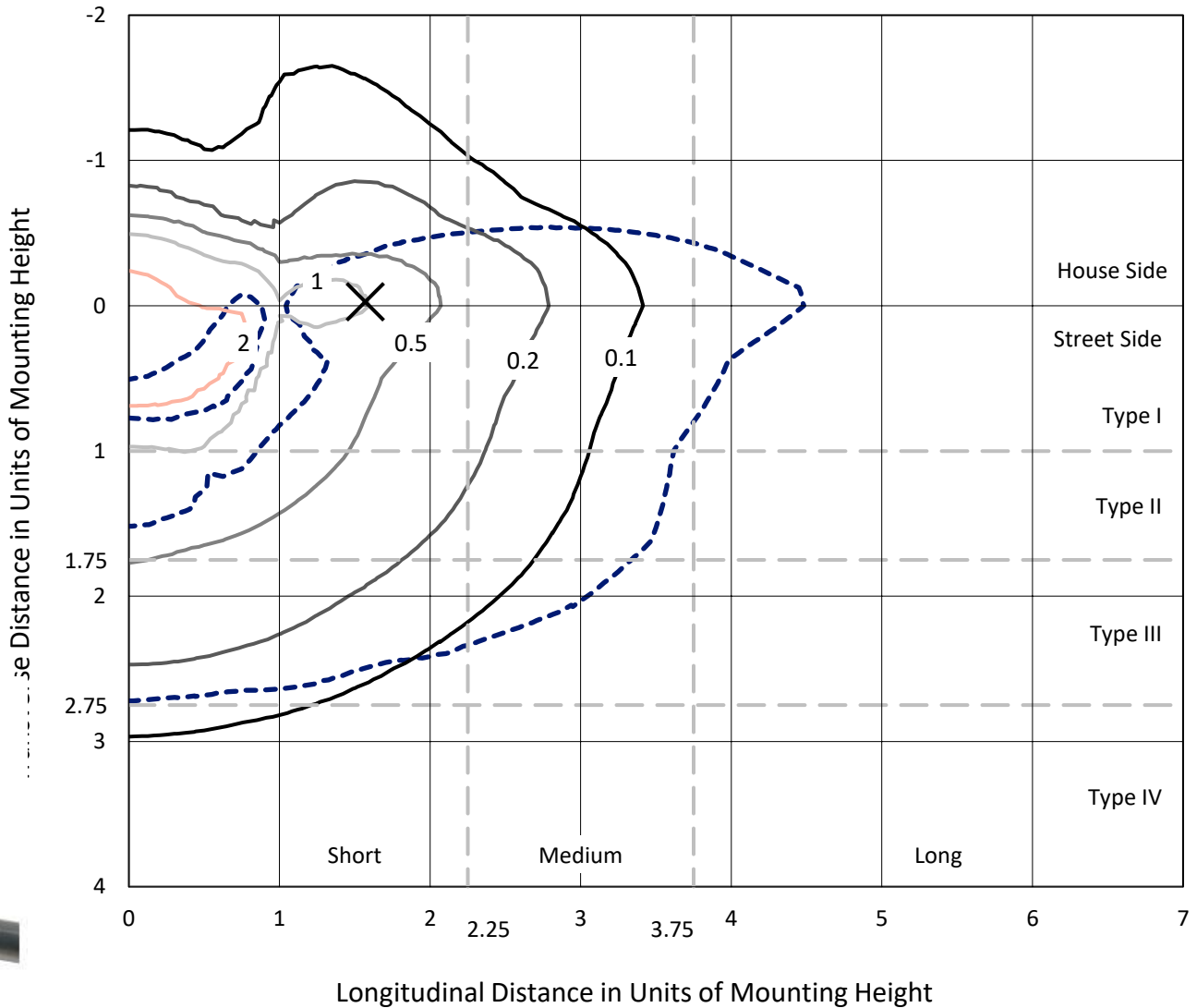
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

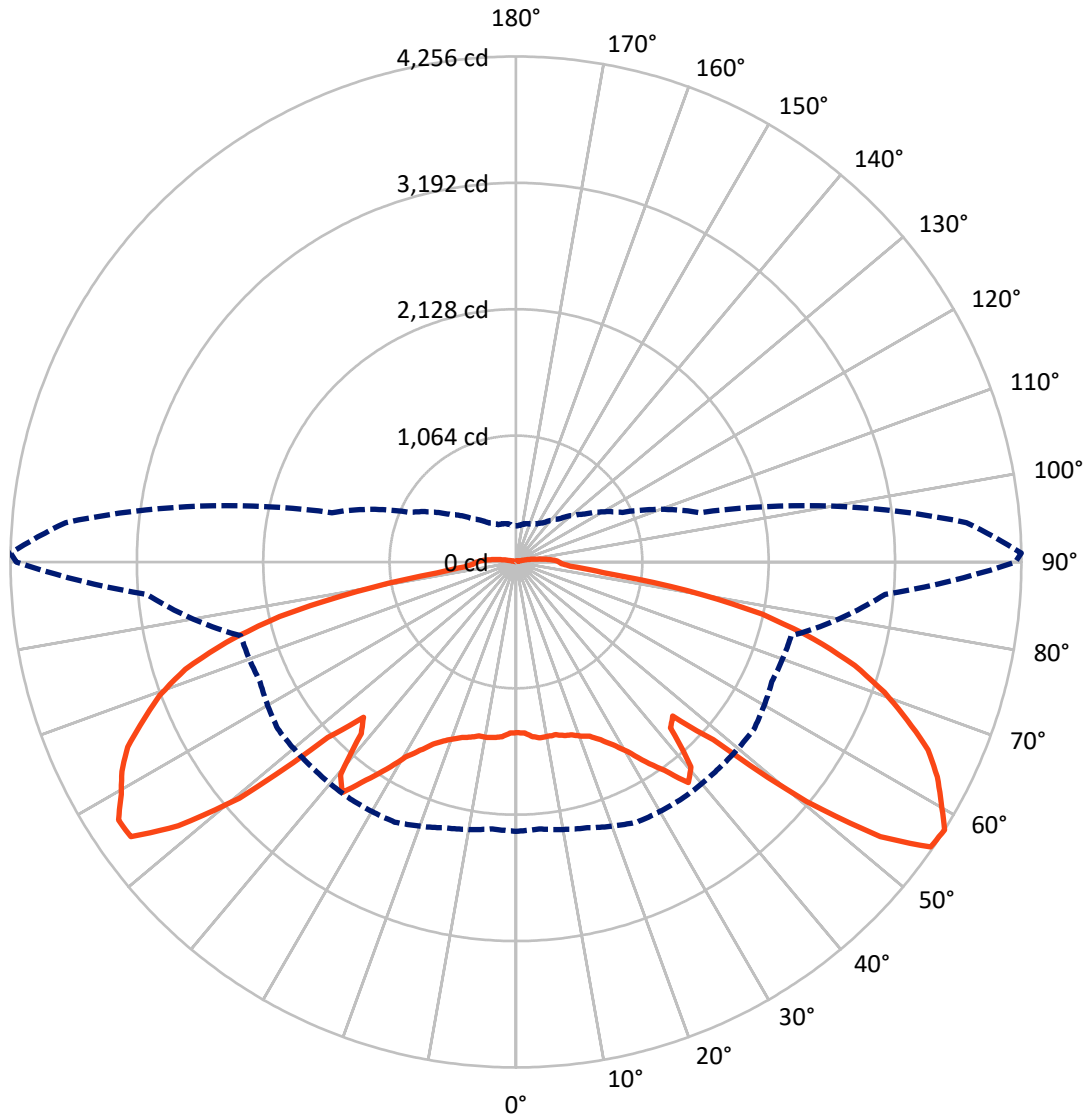
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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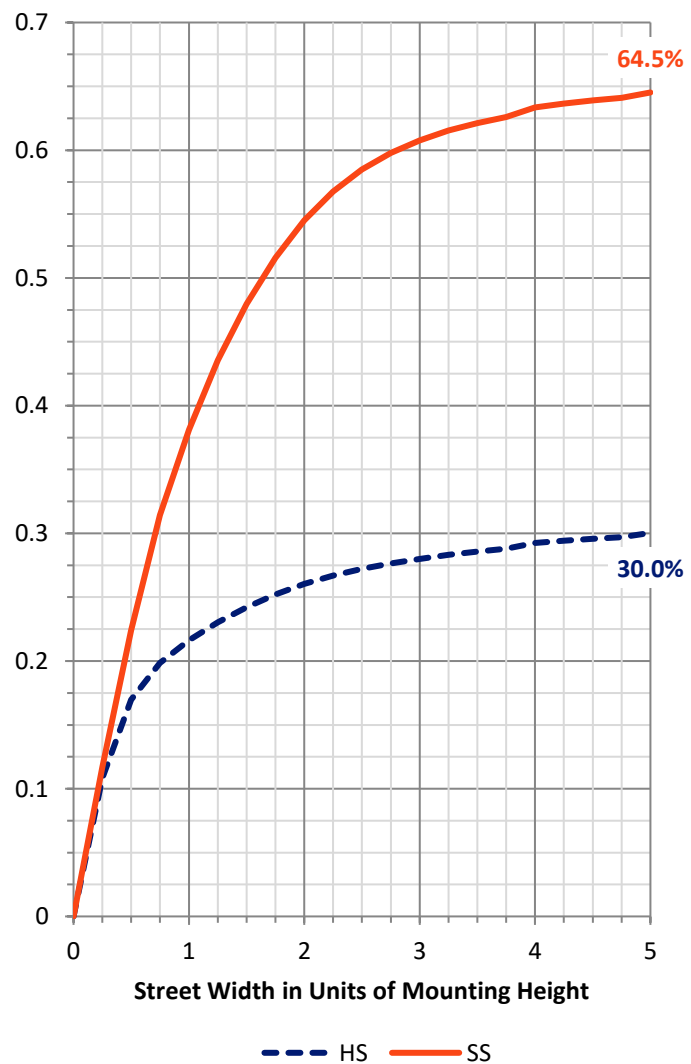
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2793.9	135.8	2929.8
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5756.0	116.3	5872.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	8549.9	252.1	8802.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	1.6
10°-20°	427.8	4.9
20°-30°	727.3	8.3
30°-40°	1023.4	11.6
40°-50°	971.8	11.0
50°-60°	1455.8	16.5
60°-70°	1883.8	21.4
70°-80°	1425.7	16.2
80°-90°	493.8	5.6
90°-100°	185.4	2.1
100°-110°	43.4	0.5
110°-120°	15.0	0.2
120°-130°	7.6	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°	8549.9	97.1
0°-180°	8802.0	100.0



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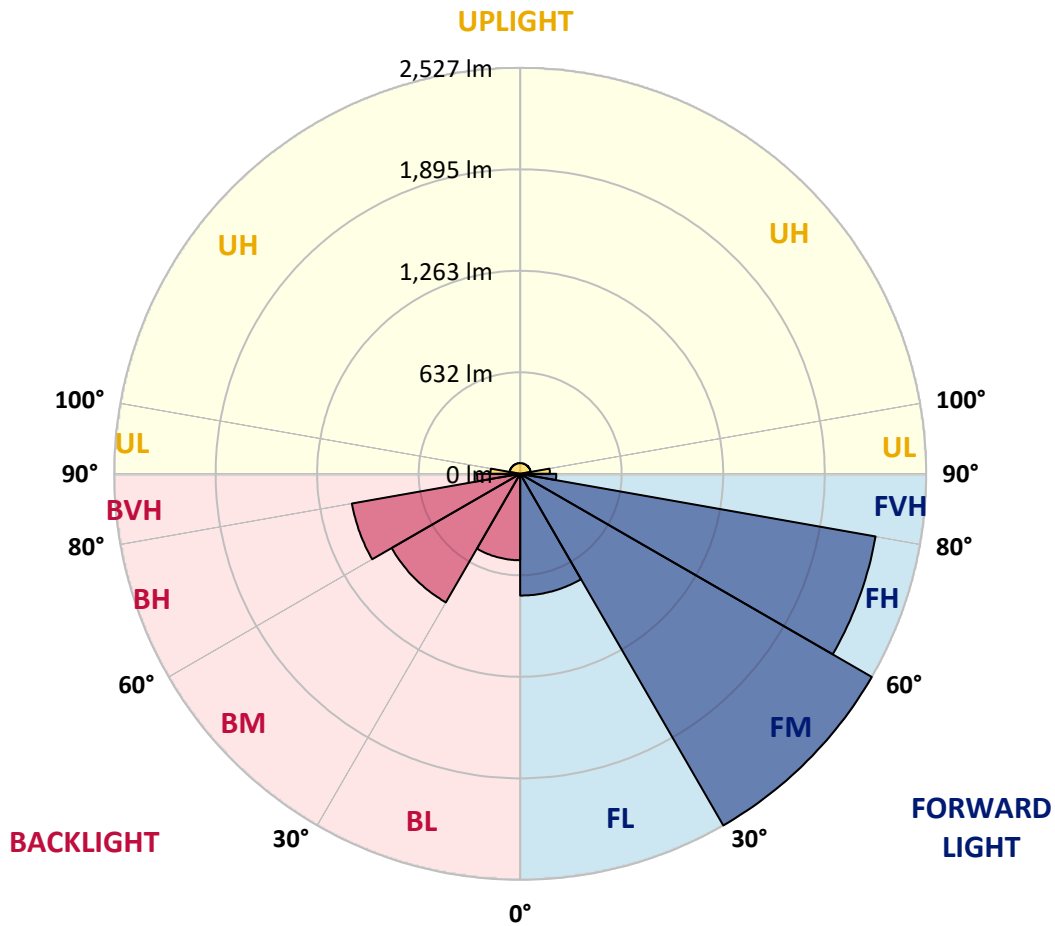
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.8	8.6			
FM (30°-60°)	2526.9	28.7			
FH (60°-80°)	2246.1	25.5			G2/5000
FVH (80°-90°)	225.2	2.6			G3/500
BL (0°-30°)	537.9	6.1	B2/1000		
BM (30°-60°)	924.1	10.5	B1/1000		
BH (60°-80°)	1063.3	12.1	B3/2500		G3/2500
BVH (80°-90°)	268.7	3.1			G3/500
UL (90°-100°)	185.4	2.1		U3/500	
UH (100°-180°)	66.7	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1
2.5°	1410.9	1410.9	1410.9	1413.8	1422.5	1428.4	1431.3	1428.4	1431.3	1437.1	1442.9
5°	1451.7	1448.8	1445.8	1440.0	1437.1	1437.1	1440.0	1440.0	1445.8	1466.2	1477.9
7.5°	1489.6	1483.7	1480.8	1480.8	1477.9	1463.3	1460.4	1451.7	1448.8	1475.0	1492.5
10°	1559.5	1553.7	1536.2	1515.8	1510.0	1492.5	1466.2	1460.4	1463.3	1492.5	1498.3
12.5°	1623.7	1620.7	1609.1	1588.7	1559.5	1542.0	1504.1	1486.7	1489.6	1507.1	1495.4
15°	1731.5	1719.9	1684.9	1667.4	1638.2	1606.2	1556.6	1536.2	1542.0	1527.5	1521.6
17.5°	1795.6	1786.9	1786.9	1754.8	1734.4	1679.0	1632.4	1594.5	1609.1	1571.2	1539.1
20°	1853.9	1853.9	1856.9	1862.7	1824.8	1781.1	1716.9	1670.3	1673.2	1617.8	1571.2
22.5°	1944.3	1935.6	1944.3	1953.1	1926.8	1888.9	1810.2	1763.6	1743.2	1673.2	1612.0
25°	2037.6	2031.8	2031.8	2055.1	2063.8	2005.5	1932.6	1883.1	1853.9	1751.9	1670.3
27.5°	2130.9	2133.8	2142.5	2151.3	2165.8	2136.7	2063.8	2025.9	1988.0	1845.2	1763.6
30°	2206.7	2200.8	2238.7	2259.1	2273.7	2285.4	2203.7	2162.9	2122.1	1964.7	1868.5
32.5°	2291.2	2291.2	2326.2	2364.1	2384.5	2407.8	2340.7	2314.5	2270.8	2107.5	2043.4
35°	2361.2	2361.2	2413.6	2477.8	2515.7	2533.1	2498.2	2495.2	2486.5	2302.9	2209.6
37.5°	2125.0	2154.2	2235.8	2364.1	2509.8	2626.4	2635.2	2693.5	2722.6	2524.4	2404.9
40°	1853.9	1862.7	1958.9	2072.6	2209.6	2355.3	2495.2	2667.2	2646.8	2407.8	2302.9
42.5°	1670.3	1693.6	1816.0	1903.5	1993.9	2084.2	2084.2	2078.4	1932.6	1976.4	1935.6
45°	1652.8	1658.6	1760.7	1891.8	1926.8	1801.5	1626.6	1530.4	1542.0	1754.8	1851.0
47.5°	1833.5	1842.3	1947.2	2072.6	1947.2	1725.7	1553.7	1539.1	1530.4	1906.4	2232.9
50°	1929.7	1935.6	2034.7	2098.8	1903.5	1900.6	1903.5	1851.0	1804.4	2501.1	3203.6
52.5°	1988.0	1993.9	1988.0	2069.7	2002.6	2157.1	2104.6	2017.2	1982.2	2897.5	3783.7
55°	1833.5	1871.4	2028.8	2244.6	2250.4	2302.9	2282.4	2203.7	2200.8	3046.2	4218.0
57.5°	2267.9	2256.2	2317.4	2416.5	2434.0	2436.9	2448.6	2378.6	2399.1	3122.0	4206.4
60°	2568.1	2536.1	2471.9	2518.6	2539.0	2571.0	2611.8	2533.1	2556.5	3189.0	4022.7
62.5°	2850.9	2801.3	2553.5	2544.8	2576.9	2641.0	2699.3	2638.1	2658.5	3212.3	3894.4
65°	2810.1	2766.3	2579.8	2477.8	2524.4	2611.8	2693.5	2664.3	2658.5	3162.8	3737.0
67.5°	2422.4	2425.3	2404.9	2404.9	2387.4	2512.7	2643.9	2646.8	2617.7	3037.4	3500.9
70°	2081.3	2069.7	2101.7	2224.1	2241.6	2390.3	2565.2	2594.4	2556.5	2897.5	3273.6
72.5°	1772.3	1763.6	1769.4	1871.4	2017.2	2180.4	2378.6	2448.6	2393.2	2646.8	2996.6
75°	1466.2	1457.5	1454.6	1489.6	1606.2	1810.2	2037.6	2162.9	2116.3	2282.4	2591.4
77.5°	1113.5	1096.0	1096.0	1107.7	1195.2	1378.8	1597.4	1772.3	1749.0	1839.4	2090.1
80°	740.4	743.3	737.5	734.6	792.9	900.7	1061.1	1270.9	1259.3	1259.3	1387.5
82.5°	469.3	469.3	478.1	448.9	443.1	454.7	492.6	577.2	583.0	638.4	682.1
85°	300.2	303.2	303.2	274.0	265.3	274.0	300.2	326.5	338.1	393.5	443.1
87.5°	218.6	218.6	212.8	207.0	209.9	218.6	239.0	262.4	282.8	326.5	370.2
90°	166.2	166.2	163.2	160.3	166.2	177.8	204.1	230.3	256.5	306.1	346.9
92.5°	137.0	137.0	134.1	134.1	137.0	145.8	169.1	198.2	224.5	265.3	303.2
95°	113.7	116.6	113.7	116.6	119.5	125.3	139.9	163.2	180.7	207.0	233.2
97.5°	90.4	93.3	93.3	93.3	96.2	104.9	113.7	128.3	139.9	151.6	169.1
100°	67.0	70.0	70.0	70.0	72.9	81.6	90.4	96.2	99.1	102.0	110.8
102.5°	49.6	52.5	52.5	52.5	52.5	58.3	61.2	64.1	64.1	64.1	67.0
105°	35.0	35.0	35.0	35.0	35.0	35.0	37.9	37.9	37.9	37.9	37.9
107.5°	26.2	26.2	26.2	26.2	26.2	26.2	29.2	29.2	29.2	29.2	29.2
110°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	26.2	23.3	23.3	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	20.4	20.4	20.4
115°	17.5	17.5	17.5	17.5	17.5	17.5	20.4	20.4	17.5	17.5	17.5
117.5°	14.6	14.6	14.6	14.6	14.6	14.6	17.5	17.5	14.6	17.5	17.5
120°	14.6	17.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	17.5
122.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	14.6	14.6
125°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
127.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1
2.5°	1442.9	1448.8	1460.4	1472.1	1483.7	1495.4	1501.2	1504.1	1507.1	1501.2	1504.1
5°	1477.9	1483.7	1501.2	1518.7	1515.8	1507.1	1495.4	1495.4	1498.3	1498.3	1504.1
7.5°	1495.4	1504.1	1498.3	1501.2	1507.1	1498.3	1486.7	1472.1	1454.6	1454.6	1457.5
10°	1492.5	1483.7	1492.5	1483.7	1463.3	1460.4	1454.6	1434.2	1422.5	1425.4	1425.4
12.5°	1492.5	1489.6	1472.1	1463.3	1445.8	1413.8	1399.2	1405.0	1390.5	1393.4	1387.5
15°	1515.8	1495.4	1472.1	1442.9	1405.0	1387.5	1367.1	1335.1	1332.2	1332.2	1332.2
17.5°	1530.4	1515.8	1463.3	1405.0	1378.8	1335.1	1311.8	1303.0	1279.7	1288.4	1294.3
20°	1565.4	1530.4	1454.6	1393.4	1303.0	1276.8	1238.9	1230.1	1218.5	1183.5	1171.8
22.5°	1594.5	1562.4	1445.8	1338.0	1262.2	1201.0	1142.7	1101.9	1081.5	1066.9	1055.2
25°	1658.6	1609.1	1454.6	1311.8	1195.2	1116.4	1064.0	991.1	941.5	935.7	941.5
27.5°	1743.2	1664.5	1475.0	1276.8	1142.7	1020.3	915.3	865.8	813.3	795.8	798.7
30°	1851.0	1746.1	1472.1	1244.7	1049.4	909.5	775.4	690.9	650.0	632.6	629.6
32.5°	2005.5	1859.8	1539.1	1203.9	964.9	755.0	609.2	504.3	483.9	481.0	478.1
35°	2157.1	2043.4	1571.2	1142.7	842.4	606.3	460.6	396.4	393.5	390.6	387.7
37.5°	2358.2	2224.1	1661.6	1104.8	725.8	457.7	370.2	323.6	314.8	300.2	306.1
40°	2267.9	2157.1	1687.8	1046.5	562.6	338.1	276.9	239.0	233.2	236.1	233.2
42.5°	1909.3	1827.7	1472.1	900.7	387.7	247.8	207.0	212.8	224.5	233.2	233.2
45°	1851.0	1690.7	1061.1	638.4	250.7	207.0	201.1	209.9	230.3	250.7	253.6
47.5°	2235.8	2031.8	929.9	492.6	288.6	236.1	215.7	215.7	227.4	230.3	227.4
50°	3168.6	2859.6	1087.3	565.5	358.5	285.7	247.8	233.2	239.0	244.9	241.9
52.5°	3842.0	3454.3	1238.9	676.3	448.9	341.1	291.5	256.5	250.7	250.7	247.8
55°	4235.5	3795.3	1416.7	833.7	562.6	411.0	338.1	297.3	282.8	271.1	271.1
57.5°	4255.9	3807.0	1603.3	988.2	702.5	513.0	402.3	346.9	335.2	309.0	303.2
60°	4113.1	3757.4	1746.1	1142.7	836.6	655.9	513.0	431.4	416.8	402.3	393.5
62.5°	3981.9	3675.8	1816.0	1270.9	979.4	816.2	653.0	539.3	492.6	510.1	521.8
65°	3812.8	3585.5	1769.4	1282.6	1043.6	912.4	755.0	588.8	510.1	548.0	568.4
67.5°	3553.4	3349.3	1652.8	1177.7	973.6	854.1	708.3	553.9	492.6	507.2	507.2
70°	3291.0	3072.4	1539.1	1096.0	877.4	752.1	615.1	495.6	486.8	478.1	478.1
72.5°	2982.1	2722.6	1390.5	1046.5	839.5	731.7	597.6	498.5	521.8	533.4	533.4
75°	2591.4	2302.9	1233.0	1002.8	822.0	746.2	600.5	536.4	577.2	583.0	583.0
77.5°	2122.1	1807.3	1049.4	924.1	772.5	717.1	559.7	527.6	568.4	577.2	580.1
80°	1460.4	1279.7	880.3	804.5	690.9	644.2	516.0	513.0	553.9	574.3	577.2
82.5°	740.4	728.8	641.3	632.6	588.8	562.6	478.1	498.5	542.2	571.3	574.3
85°	457.7	475.1	428.5	422.7	437.3	448.9	434.3	475.1	507.2	539.3	545.1
87.5°	381.9	402.3	358.5	341.1	346.9	367.3	384.8	428.5	457.7	483.9	486.8
90°	358.5	376.0	306.1	291.5	303.2	317.7	329.4	352.7	376.0	390.6	390.6
92.5°	314.8	320.7	253.6	241.9	259.4	268.2	265.3	271.1	271.1	241.9	241.9
95°	241.9	241.9	192.4	192.4	207.0	209.9	189.5	172.0	160.3	96.2	81.6
97.5°	174.9	172.0	139.9	139.9	151.6	148.7	125.3	104.9	87.5	55.4	58.3
100°	116.6	113.7	93.3	99.1	104.9	93.3	78.7	64.1	52.5	35.0	40.8
102.5°	70.0	67.0	61.2	64.1	61.2	58.3	46.6	37.9	32.1	20.4	23.3
105°	40.8	37.9	37.9	37.9	37.9	35.0	32.1	23.3	17.5	11.7	11.7
107.5°	29.2	29.2	29.2	26.2	26.2	23.3	20.4	17.5	11.7	8.7	5.8
110°	26.2	23.3	23.3	23.3	20.4	20.4	17.5	14.6	8.7	5.8	5.8



REPORT NUMBER: P690880
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.4	20.4	20.4	17.5	17.5	14.6	11.7	11.7	8.7	2.9	2.9
115°	17.5	17.5	14.6	14.6	11.7	11.7	8.7	8.7	5.8	2.9	2.9
117.5°	17.5	17.5	11.7	11.7	8.7	8.7	8.7	5.8	2.9	2.9	2.9
120°	17.5	14.6	11.7	8.7	8.7	8.7	5.8	5.8	2.9	0.0	2.9
122.5°	14.6	14.6	8.7	8.7	5.8	5.8	5.8	2.9	2.9	0.0	0.0
125°	11.7	11.7	8.7	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0
127.5°	11.7	11.7	8.7	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0
130°	8.7	8.7	5.8	5.8	5.8	5.8	2.9	2.9	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)