

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: P690943

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8782 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

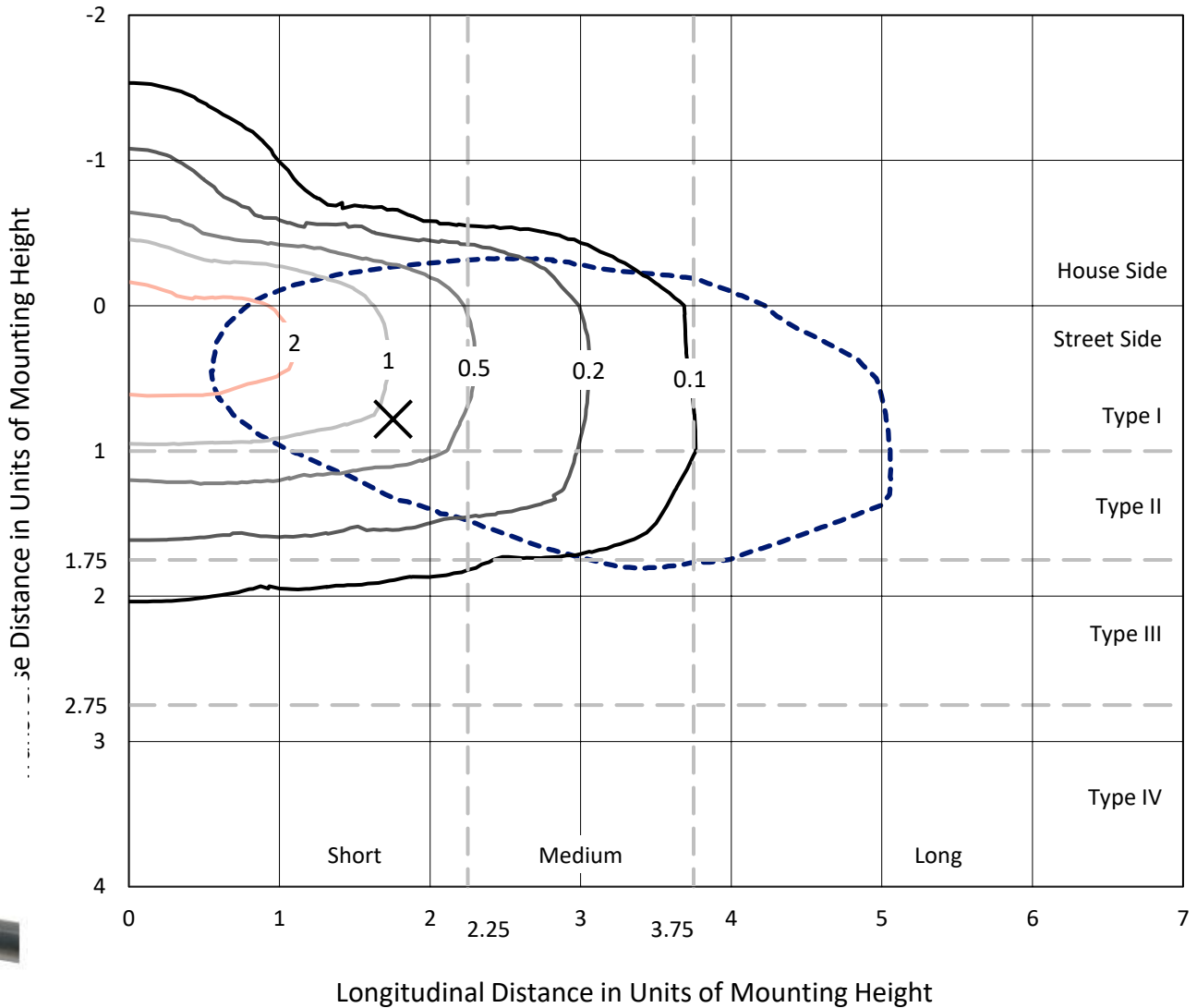
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

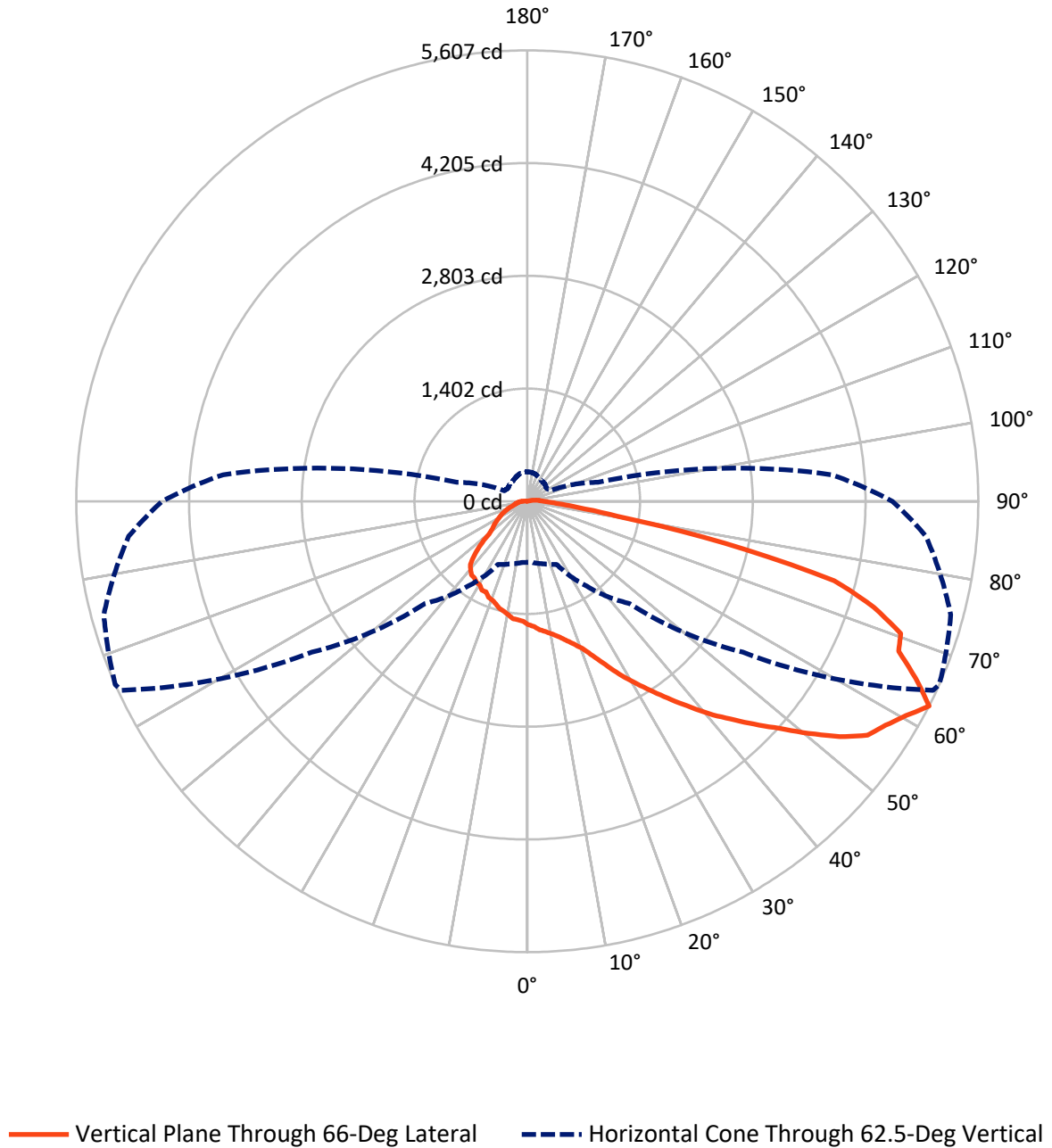
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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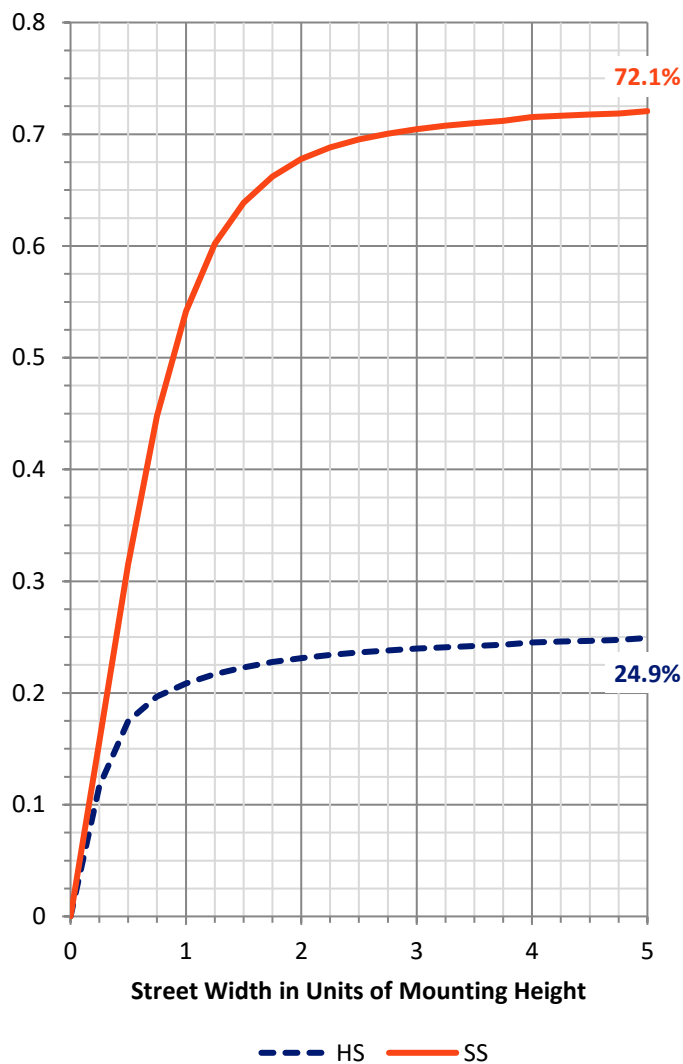
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2285.9	63.1	2349.0
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6370.5	62.5	6433.0
	% Fixture	72.5	0.7	73.3
Total	Lumens	8656.3	125.6	8782.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	1.7
10°-20°	441.5	5.0
20°-30°	747.2	8.5
30°-40°	1093.1	12.4
40°-50°	1428.8	16.3
50°-60°	1662.6	18.9
60°-70°	1663.4	18.9
70°-80°	1147.7	13.1
80°-90°	324.4	3.7
90°-100°	106.9	1.2
100°-110°	14.7	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8656.3	98.6
0°-180°	8782.0	100.0

Coefficient of Utilization



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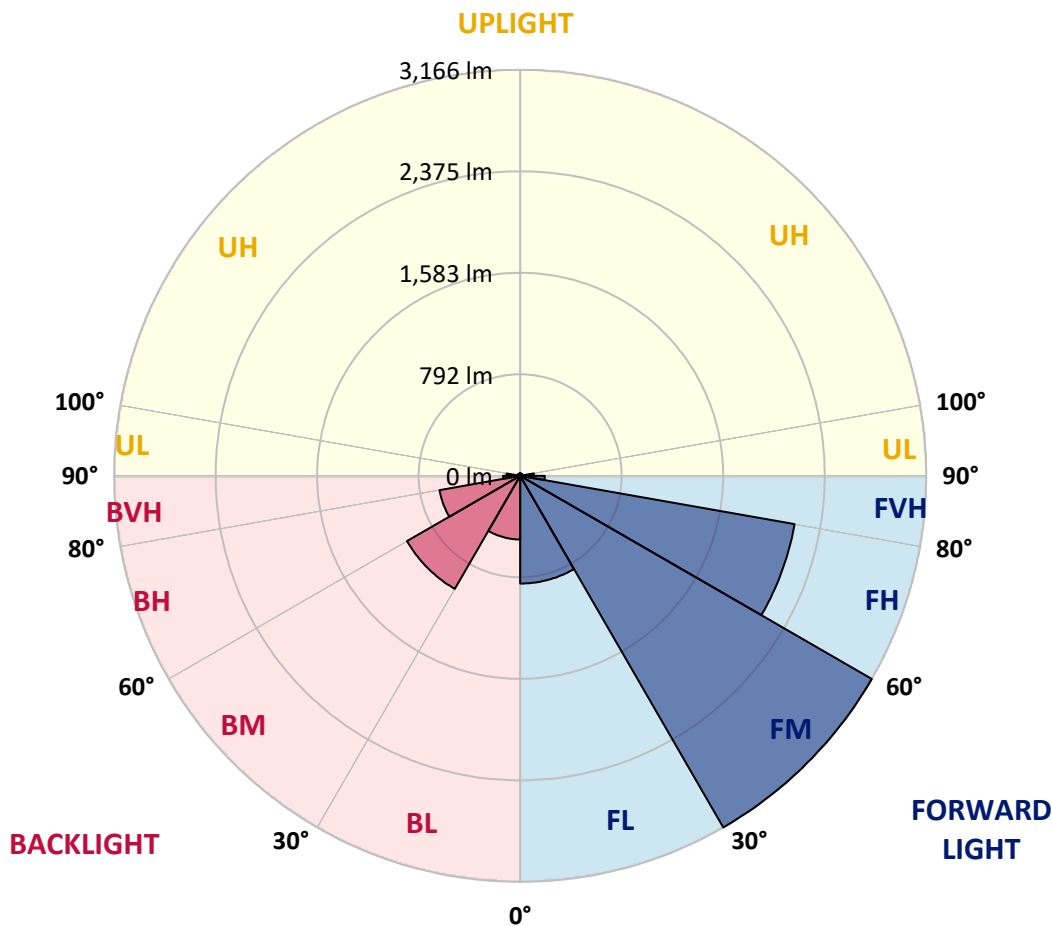
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	840.1	9.6			
FM (30°-60°)	3166.1	36.1			
FH (60°-80°)	2172.6	24.7			G2/5000
FVH (80°-90°)	191.6	2.2			G2/225
BL (0°-30°)	496.1	5.6	B1/500		
BM (30°-60°)	1018.5	11.6	B2/2500		
BH (60°-80°)	638.5	7.3	B2/1000		G2/1000
BVH (80°-90°)	132.8	1.5			G2/225
UL (90°-100°)	106.9	1.2		U3/500	
UH (100°-180°)	18.7	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4
2.5°	1613.1	1610.2	1610.2	1595.6	1581.0	1578.1	1569.4	1557.7	1557.7	1549.0	1534.4
5°	1709.4	1706.5	1709.4	1689.0	1668.6	1651.1	1621.9	1607.3	1604.4	1584.0	1554.8
7.5°	1776.5	1773.6	1770.7	1753.2	1744.4	1726.9	1686.1	1642.3	1636.5	1616.1	1578.1
10°	1802.7	1805.7	1820.2	1791.1	1773.6	1759.0	1735.6	1683.1	1677.3	1630.6	1572.3
12.5°	1872.8	1875.7	1866.9	1831.9	1826.1	1814.4	1776.5	1732.7	1726.9	1668.6	1586.9
15°	1945.7	1945.7	1934.0	1913.6	1899.0	1887.3	1840.7	1794.0	1791.1	1721.1	1624.8
17.5°	1977.8	1983.6	1986.5	1960.3	1954.4	1951.5	1928.2	1869.8	1864.0	1796.9	1677.3
20°	1998.2	2001.1	2004.0	2001.1	2004.0	2001.1	2012.8	1966.1	1951.5	1881.5	1735.6
22.5°	2039.0	2044.9	2065.3	2065.3	2074.0	2094.4	2085.7	2091.5	2085.7	2001.1	1834.8
25°	2059.4	2068.2	2094.4	2126.5	2164.5	2187.8	2219.9	2243.2	2246.1	2170.3	1986.5
27.5°	2027.4	2047.8	2114.9	2164.5	2252.0	2313.2	2389.1	2427.0	2432.8	2359.9	2149.9
30°	2068.2	2068.2	2109.0	2179.0	2287.0	2429.9	2546.6	2604.9	2610.8	2555.3	2313.2
32.5°	1992.4	2009.9	2103.2	2237.4	2392.0	2555.3	2669.1	2782.9	2797.5	2780.0	2546.6
35°	1983.6	1992.4	2050.7	2190.7	2397.8	2672.0	2829.5	2978.3	3007.5	3013.3	2771.2
37.5°	1901.9	1913.6	2021.5	2196.5	2479.5	2753.7	2955.0	3200.0	3226.3	3267.1	2966.6
40°	1799.8	1817.3	1904.8	2100.3	2456.2	2850.0	3089.2	3433.4	3471.3	3520.9	3223.3
42.5°	1665.6	1697.7	1846.5	2056.5	2444.5	2882.1	3217.5	3666.7	3701.7	3754.3	3439.2
45°	1551.9	1560.6	1680.2	1899.0	2351.1	2925.8	3337.1	3929.3	3952.6	3978.9	3614.2
47.5°	1449.8	1467.3	1569.4	1773.6	2252.0	2917.1	3442.1	4177.2	4218.1	4296.8	3827.2
50°	1146.4	1187.2	1476.0	1665.6	2100.3	2890.8	3529.6	4468.9	4536.0	4565.2	4069.3
52.5°	991.8	1003.5	1149.3	1560.6	1931.1	2803.3	3605.5	4786.9	4862.7	4795.6	4361.0
55°	916.0	927.6	994.7	1347.7	1799.8	2625.4	3663.8	5087.3	5134.0	4976.5	4576.9
57.5°	875.1	883.9	918.9	1091.0	1639.4	2342.4	3669.7	5236.1	5253.6	5119.4	4687.7
60°	805.1	813.9	875.1	951.0	1461.4	2041.9	3567.6	5320.7	5411.1	5294.5	4900.7
62.5°	758.4	764.3	805.1	866.4	1289.3	1796.9	3270.0	5562.8	5606.6	5449.1	4973.6
65°	700.1	705.9	743.8	799.3	1178.5	1659.8	3141.7	5463.7	5303.2	5411.1	5069.8
67.5°	633.0	641.8	676.8	723.4	994.7	1525.6	2771.2	5093.2	4979.4	5218.6	4819.0
70°	571.7	577.6	615.5	641.8	816.8	1350.6	2301.6	4804.4	4924.0	4921.1	4591.4
72.5°	504.7	510.5	542.6	565.9	682.6	1143.5	1826.1	4471.9	4506.9	4381.4	4063.5
75°	434.6	437.6	466.7	490.1	560.1	916.0	1333.1	3698.8	3940.9	4188.9	3515.1
77.5°	350.0	358.8	382.1	393.8	449.2	732.2	869.3	2190.7	2502.8	3684.2	3141.7
80°	262.5	262.5	280.0	285.9	332.5	545.5	548.4	1056.0	1134.7	2342.4	2333.6
82.5°	166.3	175.0	192.5	189.6	224.6	312.1	347.1	586.3	630.1	927.6	1035.6
85°	134.2	137.1	148.8	140.0	148.8	169.2	195.4	370.5	385.1	565.9	563.0
87.5°	110.8	113.8	122.5	116.7	119.6	128.4	151.7	247.9	253.8	364.6	376.3
90°	84.6	87.5	99.2	96.3	93.3	105.0	125.4	189.6	198.4	288.8	309.2
92.5°	55.4	55.4	64.2	64.2	64.2	75.8	110.8	145.9	151.7	262.5	277.1
95°	40.8	40.8	43.8	46.7	43.8	55.4	81.7	131.3	142.9	245.0	239.2
97.5°	26.3	26.3	29.2	32.1	29.2	35.0	46.7	93.3	105.0	189.6	186.7
100°	17.5	17.5	17.5	17.5	17.5	17.5	26.3	61.3	70.0	119.6	116.7
102.5°	11.7	11.7	11.7	11.7	8.8	8.8	11.7	29.2	32.1	64.2	61.3
105°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	11.7	14.6	26.3	26.3
107.5°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9	2.9
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	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	2.9	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°	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4	1534.4
2.5°	1528.5	1519.8	1505.2	1490.6	1481.9	1473.1	1458.5	1446.9	1446.9	1461.4	1461.4
5°	1534.4	1516.9	1487.7	1476.0	1461.4	1441.0	1417.7	1400.2	1391.4	1403.1	1406.0
7.5°	1549.0	1522.7	1493.5	1467.3	1417.7	1379.8	1359.3	1336.0	1333.1	1344.8	1350.6
10°	1537.3	1511.0	1476.0	1426.4	1373.9	1344.8	1306.8	1277.7	1277.7	1268.9	1274.8
12.5°	1549.0	1514.0	1443.9	1391.4	1344.8	1280.6	1233.9	1204.7	1201.8	1210.6	1210.6
15°	1578.1	1525.6	1435.2	1371.0	1295.2	1231.0	1184.3	1152.2	1161.0	1143.5	1146.4
17.5°	1613.1	1534.4	1435.2	1324.3	1239.7	1178.5	1114.3	1076.4	1079.3	1082.2	1085.1
20°	1656.9	1557.7	1420.6	1289.3	1187.2	1099.7	1026.8	997.6	988.9	994.7	997.6
22.5°	1724.0	1610.2	1414.8	1271.8	1114.3	1029.7	965.5	907.2	901.4	901.4	901.4
25°	1834.8	1689.0	1441.0	1213.5	1076.4	948.0	875.1	819.7	793.4	796.4	799.3
27.5°	2004.0	1814.4	1467.3	1216.4	988.9	875.1	784.7	723.4	708.8	711.8	714.7
30°	2182.0	1983.6	1534.4	1158.1	939.3	764.3	670.9	627.2	609.7	600.9	603.8
32.5°	2319.1	2132.4	1627.7	1140.6	848.9	644.7	586.3	551.3	528.0	519.2	519.2
35°	2537.8	2278.2	1703.6	1096.8	755.5	568.8	522.2	484.2	472.6	466.7	466.7
37.5°	2724.5	2438.7	1782.3	1079.3	641.8	510.5	452.1	428.8	428.8	423.0	420.1
40°	2925.8	2607.9	1826.1	1026.8	554.2	449.2	390.9	388.0	396.7	396.7	396.7
42.5°	3167.9	2782.9	1872.8	965.5	487.1	379.2	347.1	370.5	390.9	396.7	396.7
45°	3348.8	2893.7	1893.2	834.3	420.1	329.6	341.3	364.6	390.9	399.6	396.7
47.5°	3503.4	3054.2	1864.0	673.8	361.7	320.9	335.5	355.9	388.0	399.6	399.6
50°	3658.0	3191.3	1843.6	487.1	338.4	320.9	335.5	344.2	379.2	393.8	393.8
52.5°	3885.5	3299.2	1761.9	408.4	320.9	323.8	341.3	341.3	373.4	390.9	399.6
55°	4177.2	3547.1	1607.3	382.1	315.0	320.9	344.2	344.2	367.5	385.1	390.9
57.5°	4296.8	3634.7	1341.8	358.8	309.2	320.9	335.5	341.3	370.5	382.1	379.2
60°	4454.3	3777.6	1099.7	335.5	297.5	315.0	323.8	344.2	367.5	370.5	367.5
62.5°	4538.9	3795.1	910.1	312.1	288.8	306.3	309.2	332.5	355.9	364.6	367.5
65°	4585.6	3777.6	673.8	288.8	280.0	294.6	297.5	318.0	341.3	347.1	350.0
67.5°	4416.4	3658.0	466.7	265.5	271.3	280.0	285.9	306.3	323.8	341.3	347.1
70°	4113.1	3310.9	332.5	236.3	256.7	265.5	277.1	297.5	315.0	338.4	344.2
72.5°	3777.6	2666.2	245.0	201.3	236.3	247.9	268.4	283.0	309.2	338.4	347.1
75°	3462.5	2339.5	195.4	172.1	201.3	227.5	253.8	274.2	312.1	414.2	428.8
77.5°	2456.2	1581.0	175.0	151.7	172.1	198.4	233.4	268.4	434.6	493.0	495.9
80°	1782.3	930.5	157.5	134.2	148.8	160.4	212.9	329.6	481.3	455.1	455.1
82.5°	892.6	498.8	148.8	119.6	128.4	131.3	189.6	420.1	388.0	405.5	408.4
85°	431.7	242.1	122.5	105.0	110.8	107.9	177.9	399.6	367.5	370.5	364.6
87.5°	271.3	148.8	96.3	87.5	90.4	87.5	169.2	382.1	385.1	315.0	320.9
90°	245.0	175.0	75.8	70.0	61.3	72.9	151.7	355.9	376.3	227.5	189.6
92.5°	236.3	189.6	55.4	49.6	43.8	58.3	113.8	288.8	230.4	96.3	58.3
95°	210.0	166.3	46.7	35.0	40.8	49.6	72.9	192.5	154.6	0.0	0.0
97.5°	157.5	122.5	37.9	23.3	131.3	43.8	40.8	125.4	43.8	0.0	0.0
100°	99.2	75.8	29.2	17.5	148.8	29.2	26.3	72.9	0.0	0.0	0.0
102.5°	55.4	40.8	14.6	11.7	64.2	14.6	17.5	17.5	0.0	0.0	0.0
105°	23.3	20.4	5.8	5.8	5.8	2.9	8.8	0.0	0.0	0.0	0.0
107.5°	5.8	8.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690943
 CATALOG NUMBER: CRTK2-C01-D-U-T2-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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)