

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: P690936

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7895 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

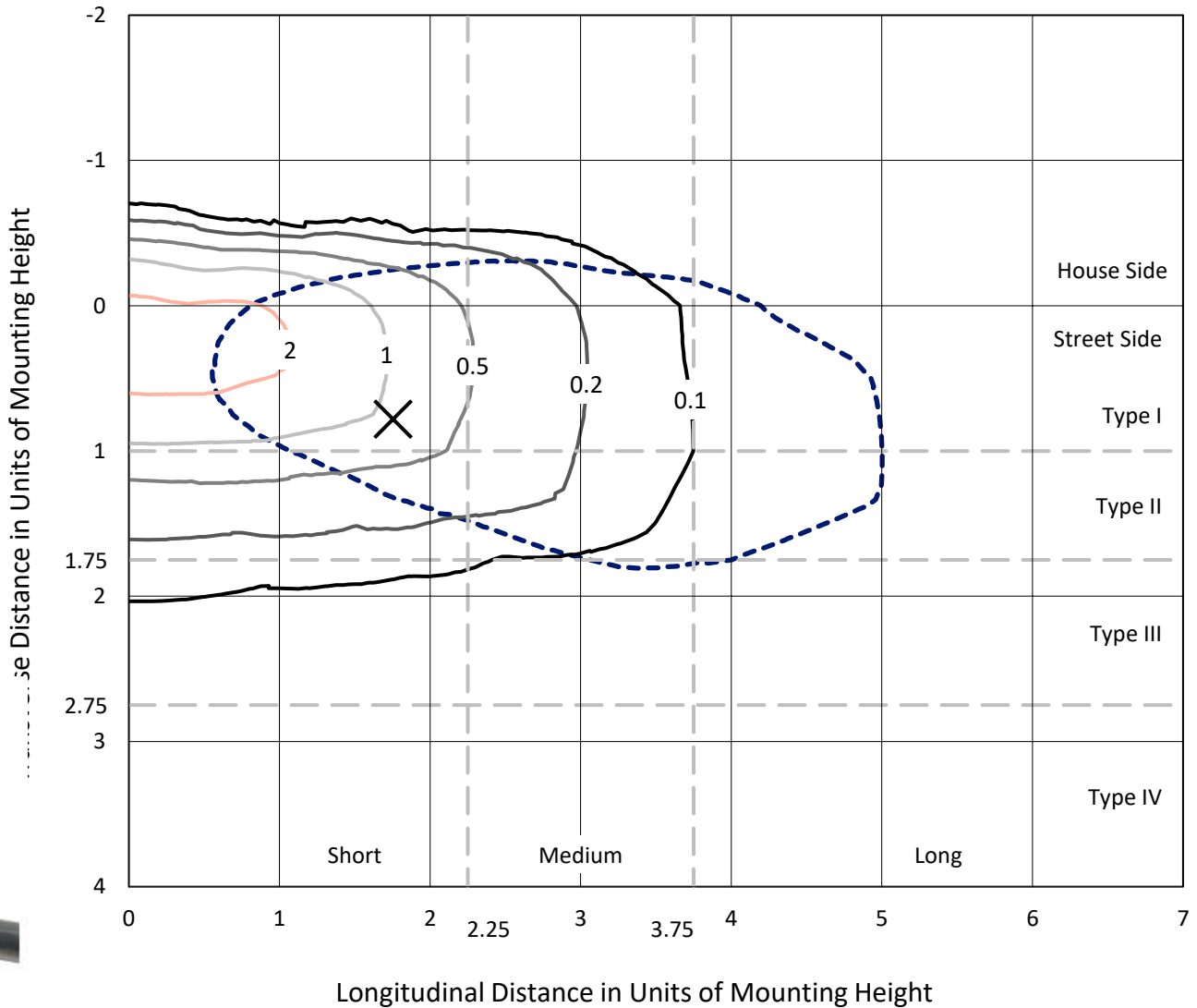
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

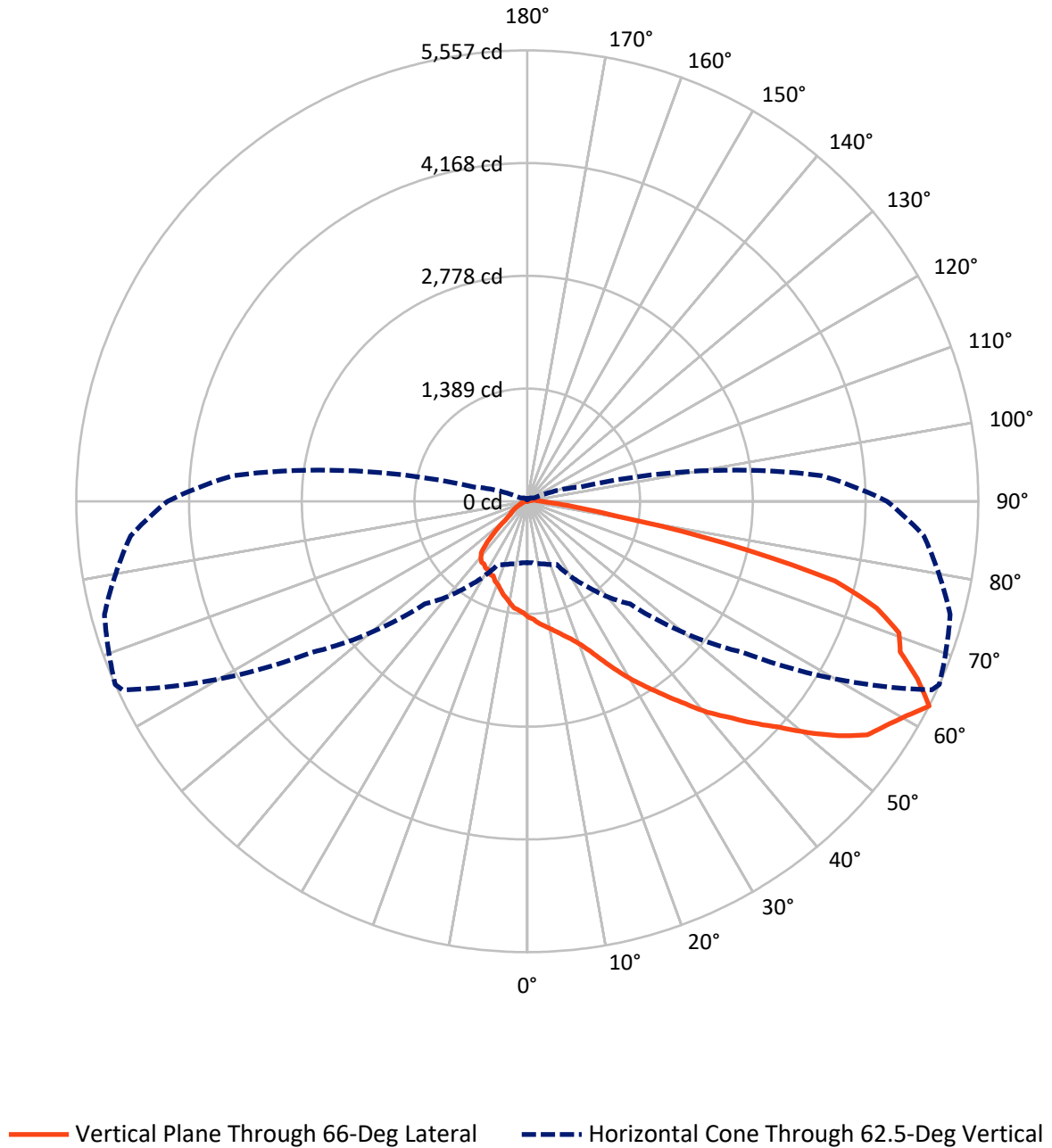
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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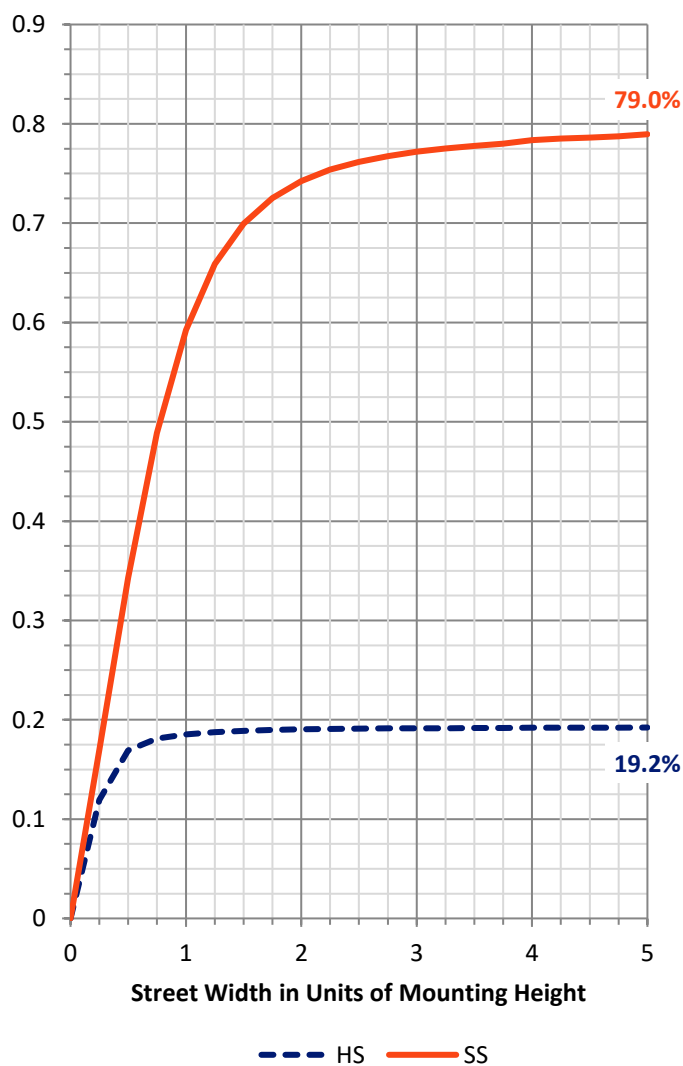
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1539.3	21.7	1561.0
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6273.8	60.2	6334.0
	% Fixture	79.5	0.8	80.2
Total	Lumens	7813.1	81.9	7895.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	1.7
10°-20°	397.2	5.0
20°-30°	668.4	8.5
30°-40°	994.0	12.6
40°-50°	1315.2	16.7
50°-60°	1531.3	19.4
60°-70°	1528.7	19.4
70°-80°	1025.9	13.0
80°-90°	216.8	2.7
90°-100°	66.0	0.8
100°-110°	11.5	0.1
110°-120°	0.8	0.0
120°-130°	1.0	0.0
130°-140°	0.9	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°	7813.1	99.0
0°-180°	7895.0	100.0

Coefficient of Utilization



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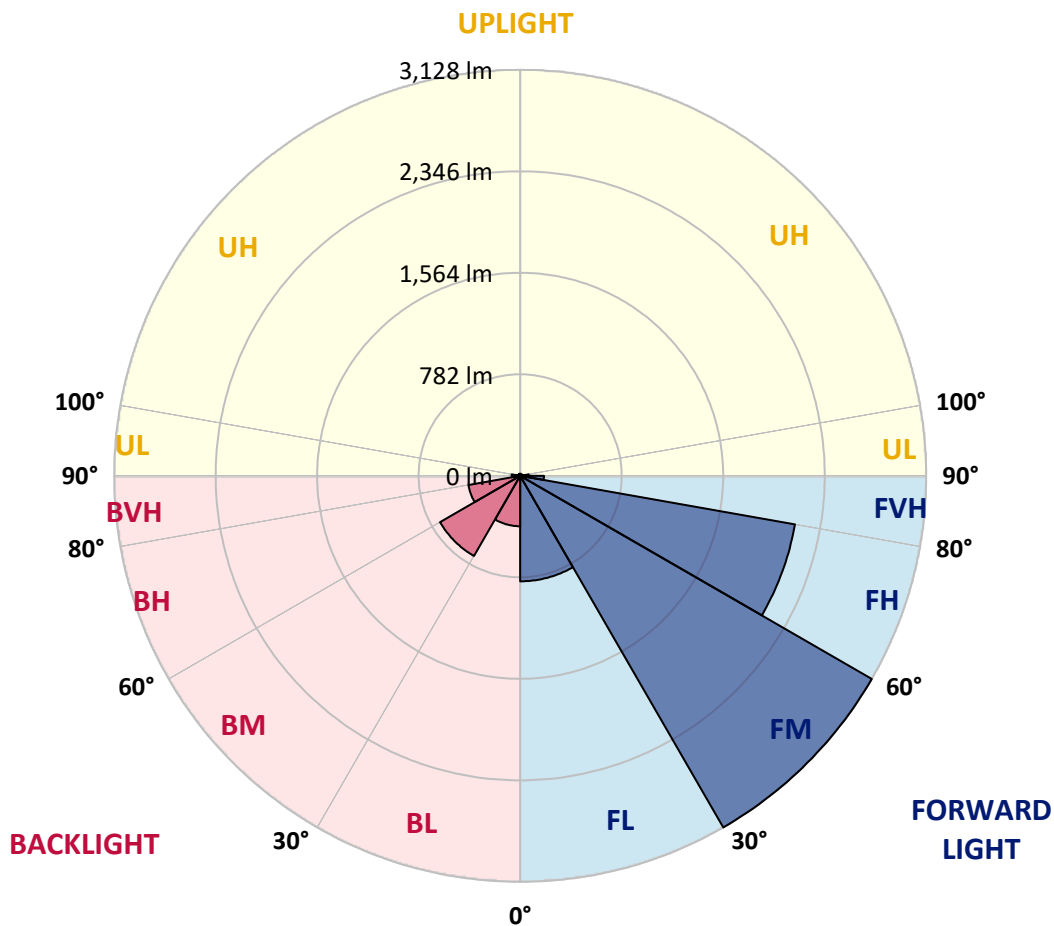
CATALOG NUMBER: CRTK2-C01-D-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.8	10.3			
FM (30°-60°)	3127.8	39.6			
FH (60°-80°)	2149.8	27.2			G2/5000
FVH (80°-90°)	183.4	2.3			G2/225
BL (0°-30°)	388.4	4.9	B1/500		
BM (30°-60°)	712.8	9.0	B1/1000		
BH (60°-80°)	404.8	5.1	B1/500		G1/500
BVH (80°-90°)	33.4	0.4			G1/100
UL (90°-100°)	66.0	0.8		U3/500	
UH (100°-180°)	15.9	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4
2.5°	1522.6	1513.9	1516.8	1502.2	1487.6	1478.9	1470.1	1455.6	1455.6	1443.9	1429.3
5°	1630.6	1633.5	1630.6	1613.1	1595.6	1569.3	1537.2	1511.0	1511.0	1484.7	1449.7
7.5°	1703.5	1700.6	1700.6	1680.2	1668.5	1653.9	1616.0	1557.6	1554.7	1519.7	1476.0
10°	1732.7	1735.6	1747.2	1718.1	1706.4	1686.0	1665.6	1607.2	1601.4	1543.1	1473.1
12.5°	1796.8	1799.8	1793.9	1770.6	1756.0	1741.4	1709.3	1659.7	1653.9	1589.7	1493.5
15°	1872.7	1872.7	1863.9	1840.6	1831.8	1811.4	1773.5	1726.8	1721.0	1648.1	1531.4
17.5°	1913.5	1919.3	1919.3	1887.3	1890.2	1881.4	1861.0	1799.8	1791.0	1723.9	1583.9
20°	1933.9	1936.8	1942.7	1942.7	1939.8	1936.8	1948.5	1893.1	1887.3	1808.5	1645.2
22.5°	1992.3	1998.1	2012.7	2003.9	2012.7	2024.4	2027.3	2024.4	2015.6	1931.0	1747.2
25°	2018.5	2036.0	2056.4	2082.7	2108.9	2126.5	2167.3	2187.7	2181.9	2100.2	1907.7
27.5°	1989.4	2006.9	2079.8	2129.4	2211.0	2260.6	2336.5	2368.6	2365.6	2298.6	2073.9
30°	2038.9	2044.8	2076.9	2146.9	2251.9	2389.0	2494.0	2543.6	2555.2	2494.0	2249.0
32.5°	1966.0	1986.4	2076.9	2208.1	2365.6	2511.5	2613.6	2724.4	2739.0	2712.8	2479.4
35°	1960.2	1974.8	2024.4	2167.3	2368.6	2639.8	2779.8	2931.5	2943.2	2951.9	2712.8
37.5°	1878.5	1898.9	1998.1	2179.0	2456.1	2724.4	2919.9	3138.6	3167.8	3202.8	2908.2
40°	1788.1	1802.7	1887.3	2079.8	2435.6	2823.6	3054.0	3389.5	3418.7	3462.4	3167.8
42.5°	1653.9	1686.0	1828.9	2036.0	2424.0	2852.8	3188.2	3611.2	3637.4	3698.7	3386.6
45°	1534.3	1548.9	1659.7	1887.3	2330.6	2905.3	3302.0	3870.8	3897.0	3926.2	3558.7
47.5°	1441.0	1458.5	1563.5	1767.7	2237.3	2893.6	3407.0	4127.5	4156.6	4223.7	3771.6
50°	1143.4	1187.2	1452.6	1651.0	2082.7	2870.3	3497.4	4413.3	4480.4	4506.7	3993.3
52.5°	983.0	997.6	1134.7	1546.0	1931.0	2785.7	3576.2	4725.4	4801.3	4751.7	4290.8
55°	915.9	924.7	991.8	1338.9	1793.9	2613.6	3640.3	5025.9	5081.3	4923.8	4509.6
57.5°	866.3	880.9	910.1	1085.1	1633.5	2324.8	3643.3	5192.2	5212.6	5066.7	4614.6
60°	802.2	808.0	869.2	945.1	1452.6	2024.4	3544.1	5276.7	5367.2	5233.0	4827.5
62.5°	755.5	761.3	799.2	860.5	1280.5	1788.1	3252.4	5501.4	5556.8	5393.4	4906.3
65°	697.1	705.9	738.0	799.2	1160.9	1645.2	3106.5	5443.0	5282.6	5355.5	4996.7
67.5°	635.9	641.7	676.7	723.4	988.8	1508.1	2744.8	5072.6	4955.9	5165.9	4754.6
70°	571.7	577.6	609.6	641.7	813.8	1338.9	2286.9	4757.5	4856.7	4868.4	4527.1
72.5°	504.6	510.5	539.6	565.9	673.8	1125.9	1817.3	4442.5	4503.8	4325.8	3999.1
75°	437.5	440.5	463.8	490.0	560.1	907.2	1301.0	3684.1	3917.5	4133.3	3450.7
77.5°	353.0	358.8	382.1	390.9	449.2	732.2	843.0	2190.6	2496.9	3617.0	3097.8
80°	259.6	262.5	285.9	282.9	335.4	533.8	530.9	1041.3	1120.1	2234.4	2275.2
82.5°	172.1	177.9	198.4	192.5	227.5	323.8	332.5	560.1	598.0	866.3	997.6
85°	137.1	140.0	151.7	140.0	151.7	163.3	183.8	338.4	344.2	513.4	510.5
87.5°	110.8	113.8	125.4	116.7	119.6	125.4	145.8	215.9	221.7	323.8	335.4
90°	87.5	90.4	105.0	96.3	96.3	105.0	122.5	160.4	169.2	253.8	274.2
92.5°	58.3	58.3	67.1	64.2	64.2	75.8	107.9	119.6	128.3	236.3	247.9
95°	43.8	43.8	46.7	46.7	46.7	55.4	81.7	113.8	125.4	230.4	224.6
97.5°	29.2	29.2	32.1	32.1	32.1	35.0	46.7	93.3	105.0	186.7	183.8
100°	20.4	20.4	20.4	17.5	17.5	17.5	26.3	61.3	70.0	119.6	119.6
102.5°	14.6	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	11.7	26.3	26.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9
155°	0.0	0.0	0.0	0.0	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	2.9
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	2.9
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°	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4	1426.4
2.5°	1420.6	1411.8	1391.4	1373.9	1359.3	1344.7	1321.4	1312.6	1306.8	1315.5	1315.5
5°	1429.3	1406.0	1371.0	1341.8	1315.5	1283.5	1248.5	1228.0	1210.5	1219.3	1219.3
7.5°	1443.9	1411.8	1368.0	1318.5	1251.4	1195.9	1152.2	1125.9	1111.4	1120.1	1125.9
10°	1435.1	1400.1	1341.8	1266.0	1187.2	1128.9	1073.4	1032.6	1018.0	1012.2	1018.0
12.5°	1443.9	1403.0	1303.9	1213.4	1137.6	1044.3	977.2	933.4	915.9	915.9	915.9
15°	1473.1	1411.8	1280.5	1175.5	1058.9	968.4	898.4	851.7	845.9	825.5	825.5
17.5°	1513.9	1420.6	1271.8	1117.2	988.8	895.5	813.8	767.2	752.6	755.5	755.5
20°	1554.7	1438.1	1254.3	1067.6	924.7	813.8	729.2	685.5	650.5	638.8	644.6
22.5°	1624.7	1487.6	1239.7	1041.3	851.7	746.7	653.4	580.5	522.1	504.6	495.9
25°	1726.8	1566.4	1260.1	980.1	808.0	670.9	560.1	458.0	388.0	370.5	367.5
27.5°	1913.5	1688.9	1283.5	980.1	738.0	603.8	446.3	338.4	282.9	265.4	271.3
30°	2088.5	1855.2	1350.5	927.6	708.8	484.2	332.5	253.8	204.2	183.8	189.6
32.5°	2234.4	2012.7	1443.9	915.9	624.2	358.8	242.1	177.9	142.9	131.3	134.2
35°	2444.4	2146.9	1516.8	875.1	513.4	262.5	169.2	125.4	110.8	105.0	105.0
37.5°	2645.7	2310.2	1589.7	866.3	379.2	192.5	113.8	102.1	99.2	90.4	90.4
40°	2838.2	2476.5	1621.8	816.7	268.4	125.4	96.3	93.3	90.4	81.7	81.7
42.5°	3074.5	2636.9	1651.0	752.6	186.7	93.3	84.6	87.5	84.6	75.8	72.9
45°	3255.3	2744.8	1659.7	589.2	119.6	87.5	78.8	81.7	78.8	70.0	70.0
47.5°	3407.0	2890.7	1624.7	402.5	99.2	81.7	72.9	75.8	72.9	67.1	64.2
50°	3561.6	3024.9	1592.7	215.9	93.3	78.8	70.0	64.2	67.1	61.3	58.3
52.5°	3771.6	3124.0	1508.1	131.3	87.5	72.9	64.2	58.3	58.3	52.5	55.4
55°	4060.4	3369.1	1350.5	122.5	84.6	70.0	61.3	52.5	52.5	46.7	46.7
57.5°	4188.7	3465.3	1096.8	110.8	81.7	70.0	55.4	46.7	40.8	37.9	35.0
60°	4346.2	3608.3	863.4	102.1	75.8	67.1	49.6	40.8	32.1	29.2	29.2
62.5°	4433.8	3637.4	673.8	93.3	72.9	58.3	43.8	32.1	26.3	20.4	20.4
65°	4477.5	3617.0	449.2	84.6	67.1	55.4	37.9	26.3	17.5	14.6	14.6
67.5°	4311.2	3509.1	259.6	78.8	64.2	49.6	32.1	20.4	14.6	11.7	8.8
70°	4028.3	3194.1	163.3	70.0	61.3	43.8	29.2	17.5	11.7	8.8	5.8
72.5°	3695.8	2607.7	119.6	64.2	58.3	37.9	23.3	14.6	8.8	5.8	5.8
75°	3374.9	2272.3	102.1	55.4	49.6	32.1	20.4	11.7	8.8	5.8	2.9
77.5°	2415.2	1548.9	90.4	49.6	43.8	26.3	14.6	11.7	5.8	2.9	2.9
80°	1715.2	910.1	81.7	40.8	35.0	20.4	14.6	8.8	5.8	2.9	2.9
82.5°	822.6	472.5	78.8	35.0	26.3	17.5	11.7	8.8	5.8	2.9	2.9
85°	373.4	201.3	58.3	32.1	23.3	17.5	11.7	8.8	5.8	5.8	2.9
87.5°	227.5	105.0	46.7	26.3	17.5	14.6	8.8	5.8	5.8	5.8	5.8
90°	212.9	137.1	35.0	20.4	14.6	11.7	8.8	2.9	0.0	0.0	0.0
92.5°	204.2	157.5	26.3	14.6	8.8	8.8	2.9	0.0	0.0	0.0	0.0
95°	192.5	148.8	29.2	8.8	14.6	5.8	2.9	0.0	0.0	0.0	0.0
97.5°	151.7	116.7	32.1	8.8	72.9	5.8	2.9	0.0	0.0	0.0	0.0
100°	96.3	72.9	23.3	8.8	87.5	5.8	0.0	0.0	0.0	0.0	0.0
102.5°	55.4	40.8	11.7	8.8	26.3	2.9	0.0	0.0	0.0	0.0	0.0
105°	23.3	20.4	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.8	5.8	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: P690936
 CATALOG NUMBER: CRTK2-C01-D-U-T2-7050-HSS-CRTK2

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	2.9	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	5.8	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	2.9	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	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)