

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: P690920

Luminaire Tested: **CRTK2-C01-D-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690920
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-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7580 lumens
Efficiency: N/A
Efficacy: 124.3 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



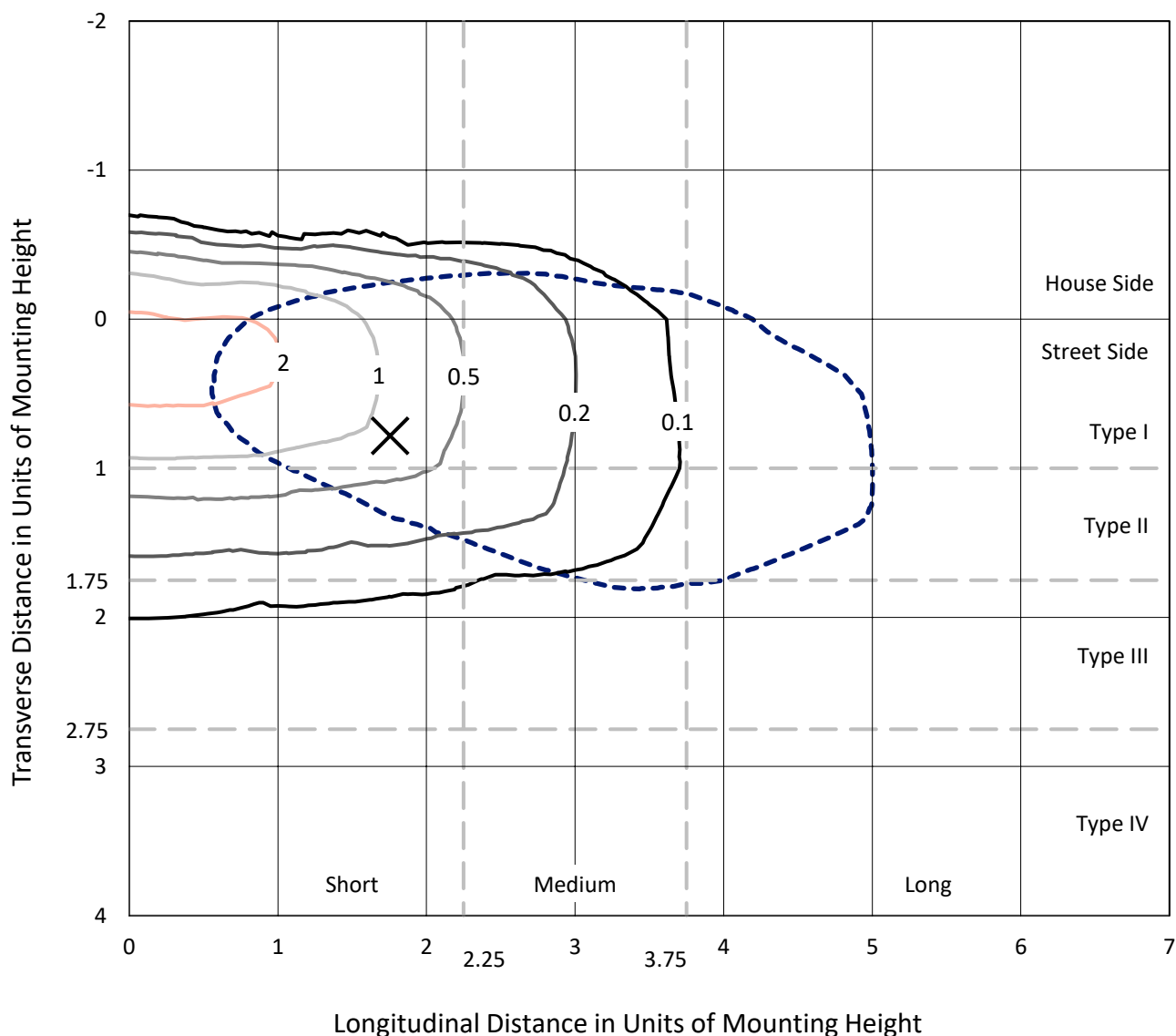
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

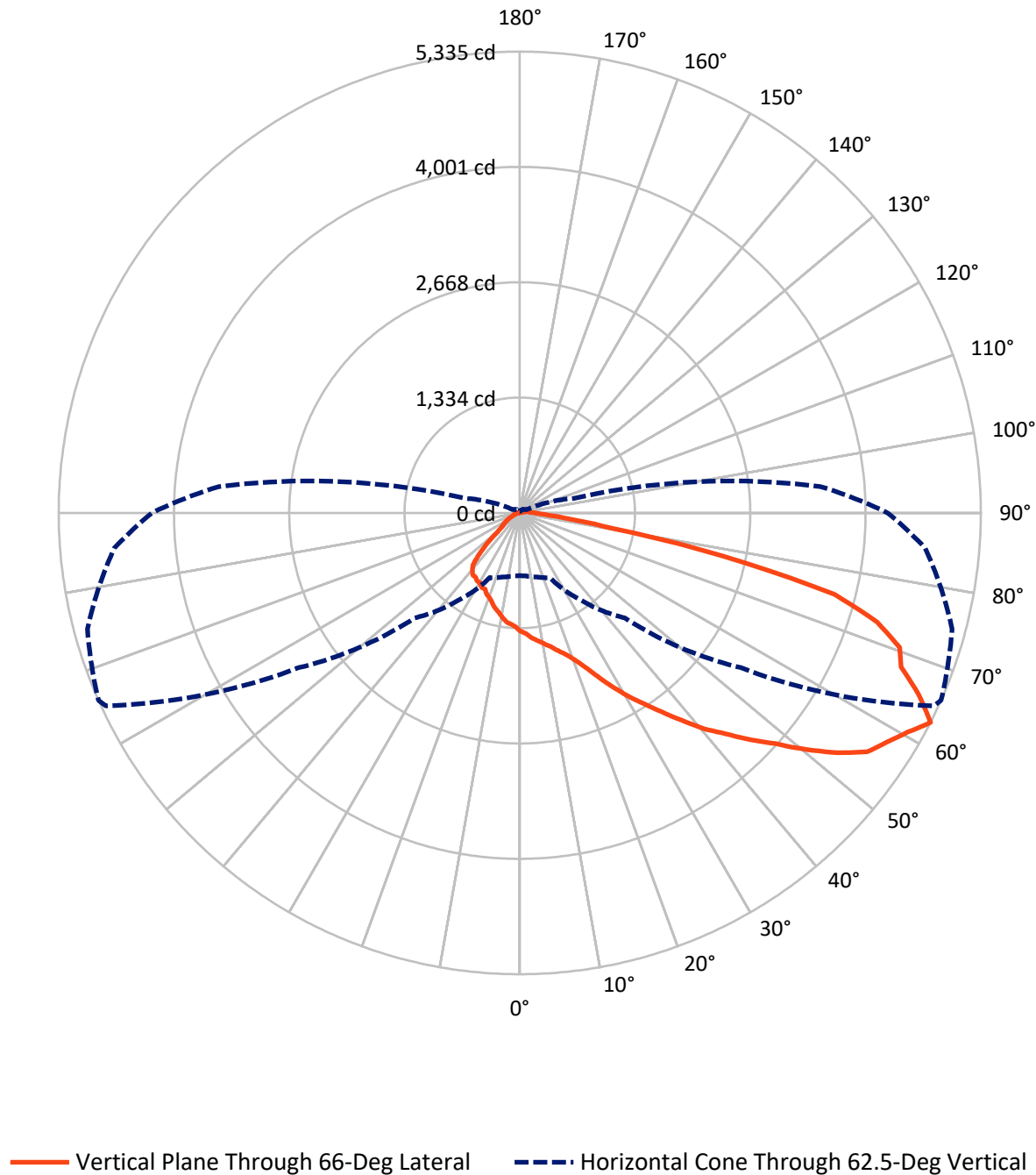


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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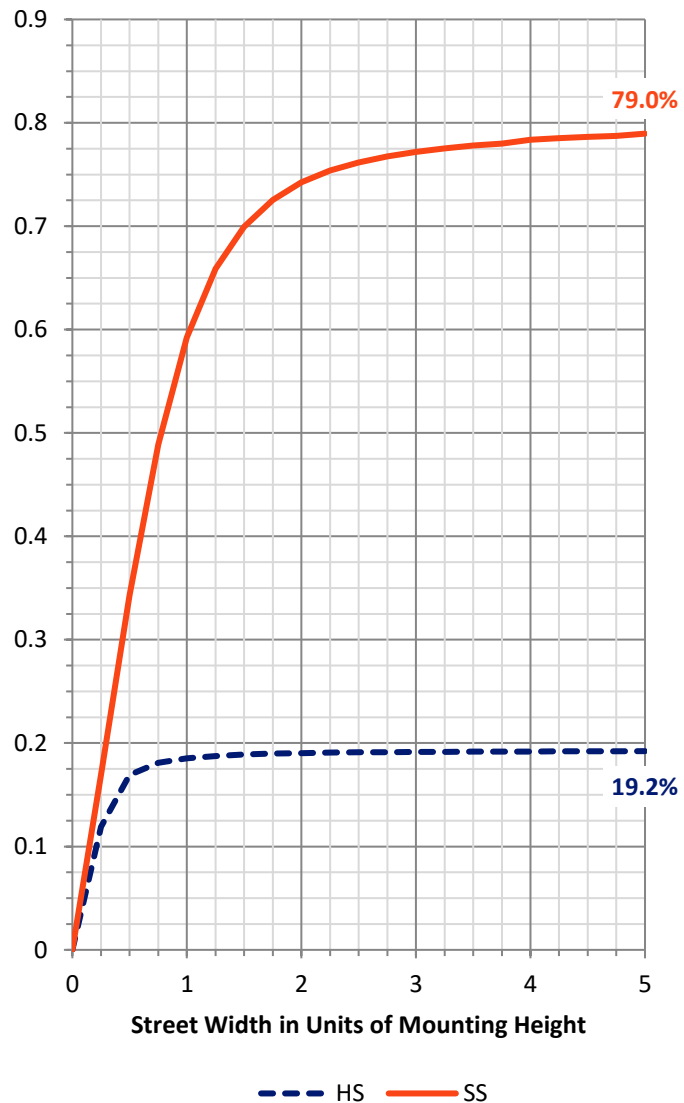
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1477.8	20.8	1498.7
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6023.5	57.8	6081.3
	% Fixture	79.5	0.8	80.2
Total	Lumens	7501.3	78.6	7580.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	1.7
10°-20°	381.4	5.0
20°-30°	641.8	8.5
30°-40°	954.4	12.6
40°-50°	1262.7	16.7
50°-60°	1470.2	19.4
60°-70°	1467.7	19.4
70°-80°	985.0	13.0
80°-90°	208.1	2.7
90°-100°	63.4	0.8
100°-110°	11.1	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°	7501.3	99.0
0°-180°	7580.0	100.0

Coefficient of Utilization



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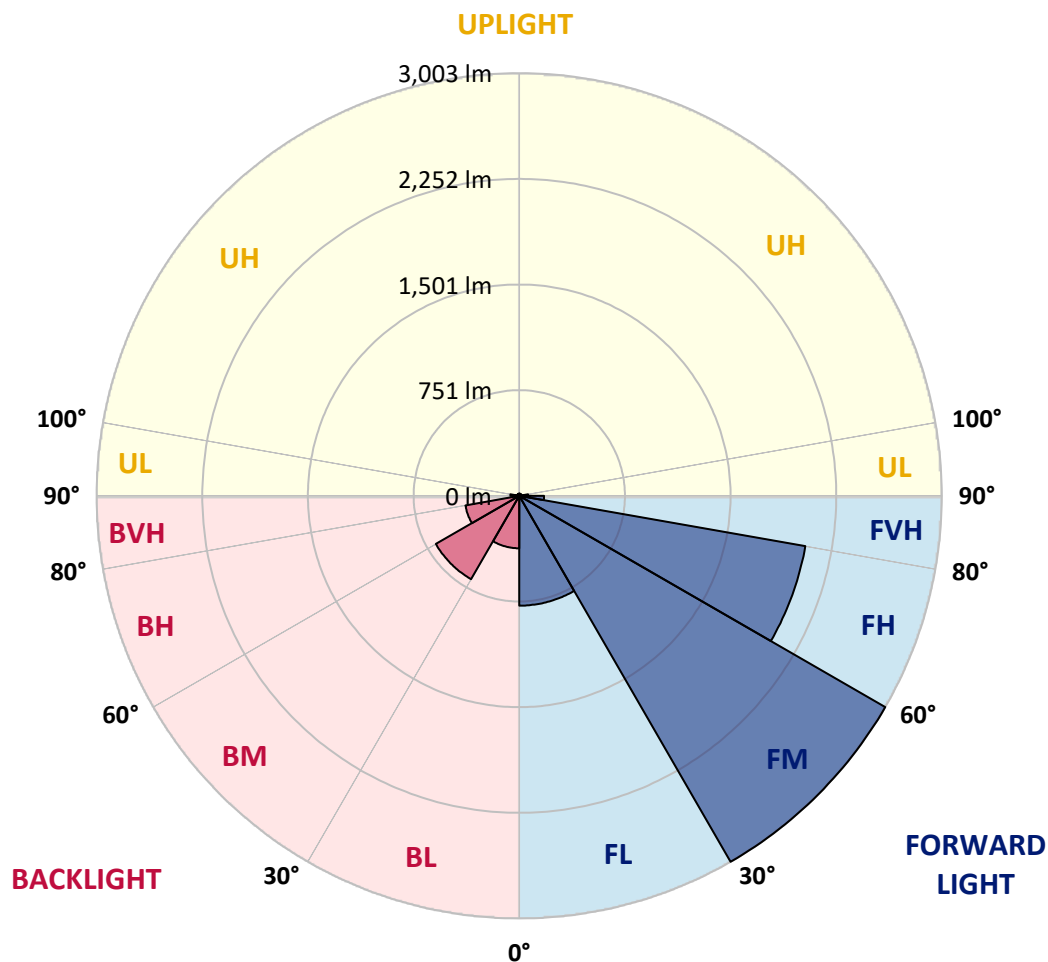
CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	780.4	10.3			
FM	(30°-60°)	3003.0	39.6			
FH	(60°-80°)	2064.1	27.2			G2/5000
FVH	(80°-90°)	176.1	2.3			G2/225
BL	(0°-30°)	372.9	4.9	B1/500		
BM	(30°-60°)	684.3	9.0	B1/1000		
BH	(60°-80°)	388.6	5.1	B1/500		G1/500
BVH	(80°-90°)	32.0	0.4			G1/100
UL	(90°-100°)	63.4	0.8		U3/500	
UH	(100°-180°)	15.3	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°	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5
2.5°	1461.9	1453.5	1456.3	1442.3	1428.3	1419.9	1411.5	1397.5	1397.5	1386.3	1372.3
5°	1565.5	1568.3	1565.5	1548.7	1531.9	1506.7	1475.9	1450.7	1450.7	1425.5	1391.9
7.5°	1635.5	1632.7	1632.7	1613.1	1601.9	1587.9	1551.5	1495.5	1492.7	1459.1	1417.1
10°	1663.5	1666.3	1677.5	1649.5	1638.3	1618.7	1599.1	1543.1	1537.5	1481.5	1414.3
12.5°	1725.1	1727.9	1722.3	1699.9	1685.9	1671.9	1641.1	1593.5	1587.9	1526.3	1433.9
15°	1798.0	1798.0	1789.6	1767.2	1758.8	1739.1	1702.7	1657.9	1652.3	1582.3	1470.3
17.5°	1837.2	1842.8	1842.8	1812.0	1814.8	1806.4	1786.8	1727.9	1719.5	1655.1	1520.7
20°	1856.8	1859.6	1865.2	1865.2	1862.4	1859.6	1870.8	1817.6	1812.0	1736.3	1579.5
22.5°	1912.8	1918.4	1932.4	1924.0	1932.4	1943.6	1946.4	1943.6	1935.2	1854.0	1677.5
25°	1938.0	1954.8	1974.4	1999.6	2024.8	2041.6	2080.8	2100.4	2094.8	2016.4	1831.6
27.5°	1910.0	1926.8	1996.8	2044.4	2122.8	2170.4	2243.2	2274.1	2271.3	2206.8	1991.2
30°	1957.6	1963.2	1994.0	2061.2	2162.0	2293.7	2394.5	2442.1	2453.3	2394.5	2159.2
32.5°	1887.6	1907.2	1994.0	2120.0	2271.3	2411.3	2509.3	2615.7	2629.7	2604.5	2380.5
35°	1882.0	1896.0	1943.6	2080.8	2274.1	2534.5	2668.9	2814.6	2825.8	2834.2	2604.5
37.5°	1803.6	1823.2	1918.4	2092.0	2358.1	2615.7	2803.4	3013.4	3041.4	3075.0	2792.2
40°	1716.7	1730.7	1812.0	1996.8	2338.5	2710.9	2932.2	3254.3	3282.3	3324.3	3041.4
42.5°	1587.9	1618.7	1756.0	1954.8	2327.3	2738.9	3061.0	3467.1	3492.3	3551.1	3251.5
45°	1473.1	1487.1	1593.5	1812.0	2237.6	2789.4	3170.2	3716.3	3741.5	3769.6	3416.7
47.5°	1383.5	1400.3	1501.1	1697.1	2148.0	2778.2	3271.1	3962.8	3990.8	4055.2	3621.1
50°	1097.8	1139.8	1394.7	1585.1	1999.6	2755.8	3357.9	4237.2	4301.7	4326.9	3834.0
52.5°	943.8	957.8	1089.4	1484.3	1854.0	2674.5	3433.5	4536.9	4609.7	4562.1	4119.6
55°	879.4	887.8	952.2	1285.5	1722.3	2509.3	3495.1	4825.4	4878.6	4727.3	4329.7
57.5°	831.8	845.8	873.8	1041.8	1568.3	2232.0	3497.9	4985.0	5004.6	4864.6	4430.5
60°	770.2	775.8	834.6	907.4	1394.7	1943.6	3402.7	5066.2	5153.0	5024.2	4634.9
62.5°	725.3	730.9	767.4	826.2	1229.4	1716.7	3122.6	5281.9	5335.1	5178.2	4710.5
65°	669.3	677.7	708.5	767.4	1114.6	1579.5	2982.6	5225.8	5071.8	5141.8	4797.4
67.5°	610.5	616.1	649.7	694.5	949.4	1447.9	2635.3	4870.2	4758.2	4959.8	4564.9
70°	548.9	554.5	585.3	616.1	781.4	1285.5	2195.6	4567.7	4662.9	4674.1	4346.5
72.5°	484.5	490.1	518.1	543.3	646.9	1081.0	1744.7	4265.3	4324.1	4153.2	3839.6
75°	420.1	422.9	445.3	470.5	537.7	871.0	1249.0	3537.1	3761.2	3968.4	3313.1
77.5°	338.9	344.5	366.9	375.3	431.3	702.9	809.4	2103.2	2397.3	3472.7	2974.2
80°	249.2	252.1	274.5	271.7	322.1	512.5	509.7	999.8	1075.4	2145.2	2184.4
82.5°	165.2	170.8	190.4	184.8	218.4	310.9	319.3	537.7	574.1	831.8	957.8
85°	131.6	134.4	145.6	134.4	145.6	156.8	176.4	324.9	330.5	492.9	490.1
87.5°	106.4	109.2	120.4	112.0	114.8	120.4	140.0	207.2	212.8	310.9	322.1
90°	84.0	86.8	100.8	92.4	92.4	100.8	117.6	154.0	162.4	243.6	263.3
92.5°	56.0	56.0	64.4	61.6	61.6	72.8	103.6	114.8	123.2	226.8	238.0
95°	42.0	42.0	44.8	44.8	44.8	53.2	78.4	109.2	120.4	221.2	215.6
97.5°	28.0	28.0	30.8	30.8	30.8	33.6	44.8	89.6	100.8	179.2	176.4
100°	19.6	19.6	19.6	16.8	16.8	16.8	25.2	58.8	67.2	114.8	114.8
102.5°	14.0	11.2	11.2	11.2	8.4	8.4	11.2	28.0	30.8	61.6	58.8
105°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	11.2	11.2	25.2	25.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
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°	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5
2.5°	1363.9	1355.5	1335.9	1319.1	1305.1	1291.1	1268.7	1260.3	1254.7	1263.1	1263.1
5°	1372.3	1349.9	1316.3	1288.3	1263.1	1232.2	1198.6	1179.0	1162.2	1170.6	1170.6
7.5°	1386.3	1355.5	1313.5	1265.9	1201.4	1148.2	1106.2	1081.0	1067.0	1075.4	1081.0
10°	1377.9	1344.3	1288.3	1215.4	1139.8	1083.8	1030.6	991.4	977.4	971.8	977.4
12.5°	1386.3	1347.1	1251.9	1165.0	1092.2	1002.6	938.2	896.2	879.4	879.4	879.4
15°	1414.3	1355.5	1229.4	1128.6	1016.6	929.8	862.6	817.8	812.2	792.6	792.6
17.5°	1453.5	1363.9	1221.0	1072.6	949.4	859.8	781.4	736.5	722.5	725.3	725.3
20°	1492.7	1380.7	1204.2	1025.0	887.8	781.4	700.1	658.1	624.5	613.3	618.9
22.5°	1559.9	1428.3	1190.2	999.8	817.8	716.9	627.3	557.3	501.3	484.5	476.1
25°	1657.9	1503.9	1209.8	941.0	775.8	644.1	537.7	439.7	372.5	355.7	352.9
27.5°	1837.2	1621.5	1232.2	941.0	708.5	579.7	428.5	324.9	271.7	254.9	260.5
30°	2005.2	1781.2	1296.7	890.6	680.5	464.9	319.3	243.6	196.0	176.4	182.0
32.5°	2145.2	1932.4	1386.3	879.4	599.3	344.5	232.4	170.8	137.2	126.0	128.8
35°	2346.9	2061.2	1456.3	840.2	492.9	252.1	162.4	120.4	106.4	100.8	100.8
37.5°	2540.1	2218.0	1526.3	831.8	364.1	184.8	109.2	98.0	95.2	86.8	86.8
40°	2724.9	2377.7	1557.1	784.2	257.7	120.4	92.4	89.6	86.8	78.4	78.4
42.5°	2951.8	2531.7	1585.1	722.5	179.2	89.6	81.2	84.0	81.2	72.8	70.0
45°	3125.4	2635.3	1593.5	565.7	114.8	84.0	75.6	78.4	75.6	67.2	67.2
47.5°	3271.1	2775.4	1559.9	386.5	95.2	78.4	70.0	72.8	70.0	64.4	61.6
50°	3419.5	2904.2	1529.1	207.2	89.6	75.6	67.2	61.6	64.4	58.8	56.0
52.5°	3621.1	2999.4	1447.9	126.0	84.0	70.0	61.6	56.0	56.0	50.4	53.2
55°	3898.4	3234.6	1296.7	117.6	81.2	67.2	58.8	50.4	50.4	44.8	44.8
57.5°	4021.6	3327.1	1053.0	106.4	78.4	67.2	53.2	44.8	39.2	36.4	33.6
60°	4172.8	3464.3	829.0	98.0	72.8	64.4	47.6	39.2	30.8	28.0	28.0
62.5°	4256.9	3492.3	646.9	89.6	70.0	56.0	42.0	30.8	25.2	19.6	19.6
65°	4298.9	3472.7	431.3	81.2	64.4	53.2	36.4	25.2	16.8	14.0	14.0
67.5°	4139.2	3369.1	249.2	75.6	61.6	47.6	30.8	19.6	14.0	11.2	8.4
70°	3867.6	3066.6	156.8	67.2	58.8	42.0	28.0	16.8	11.2	8.4	5.6
72.5°	3548.3	2503.7	114.8	61.6	56.0	36.4	22.4	14.0	8.4	5.6	5.6
75°	3240.2	2181.6	98.0	53.2	47.6	30.8	19.6	11.2	8.4	5.6	2.8
77.5°	2318.9	1487.1	86.8	47.6	42.0	25.2	14.0	11.2	5.6	2.8	2.8
80°	1646.7	873.8	78.4	39.2	33.6	19.6	14.0	8.4	5.6	2.8	2.8
82.5°	789.8	453.7	75.6	33.6	25.2	16.8	11.2	8.4	5.6	2.8	2.8
85°	358.5	193.2	56.0	30.8	22.4	16.8	11.2	8.4	5.6	5.6	2.8
87.5°	218.4	100.8	44.8	25.2	16.8	14.0	8.4	5.6	5.6	5.6	5.6
90°	204.4	131.6	33.6	19.6	14.0	11.2	8.4	2.8	0.0	0.0	0.0
92.5°	196.0	151.2	25.2	14.0	8.4	8.4	2.8	0.0	0.0	0.0	0.0
95°	184.8	142.8	28.0	8.4	14.0	5.6	2.8	0.0	0.0	0.0	0.0
97.5°	145.6	112.0	30.8	8.4	70.0	5.6	2.8	0.0	0.0	0.0	0.0
100°	92.4	70.0	22.4	8.4	84.0	5.6	0.0	0.0	0.0	0.0	0.0
102.5°	53.2	39.2	11.2	8.4	25.2	2.8	0.0	0.0	0.0	0.0	0.0
105°	22.4	19.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
107.5°	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690920

CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.8	2.8	2.8	2.8	2.8	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)