

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: P690952

Luminaire Tested: **CRTK2-C01-D-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7826 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
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



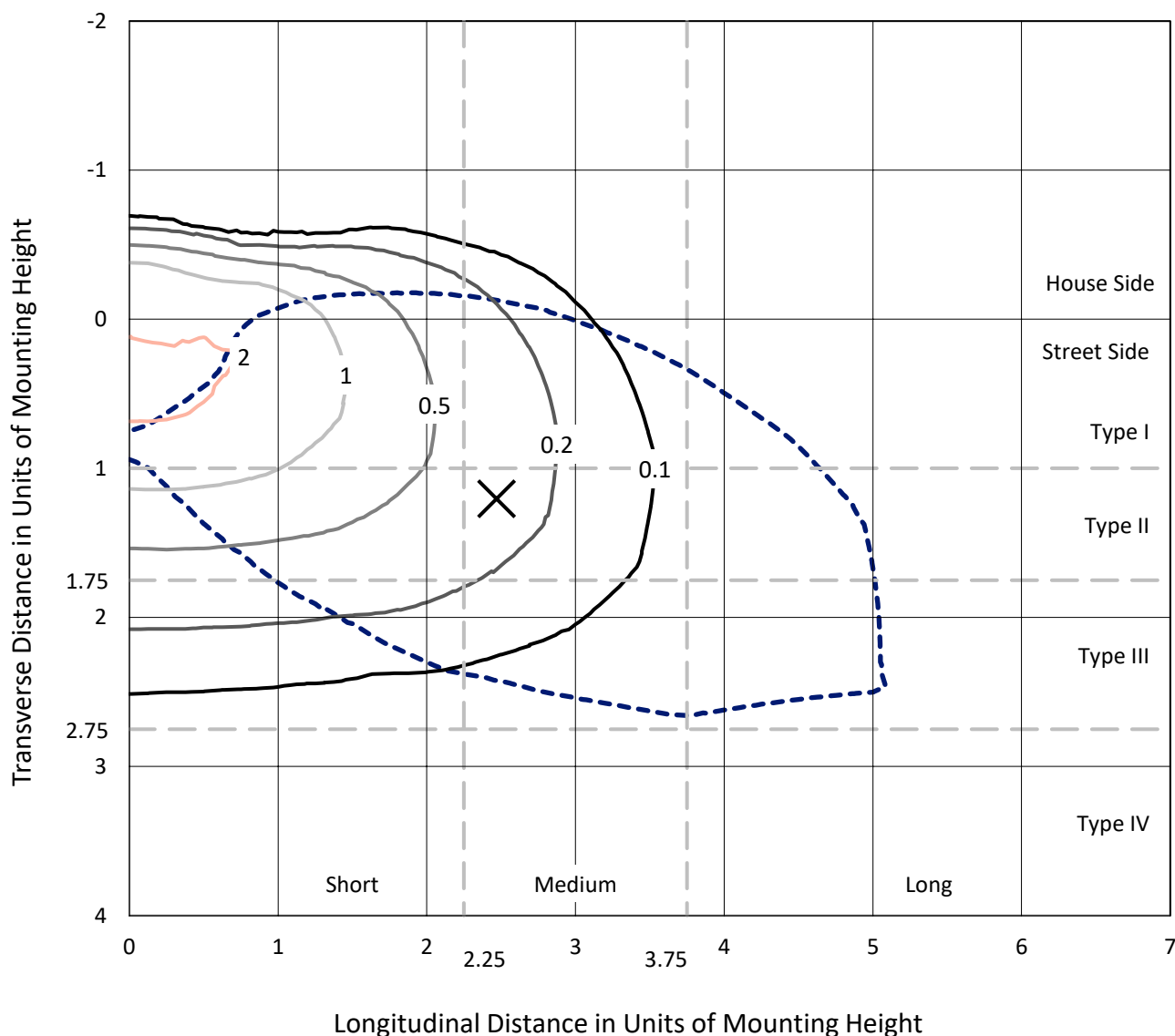
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

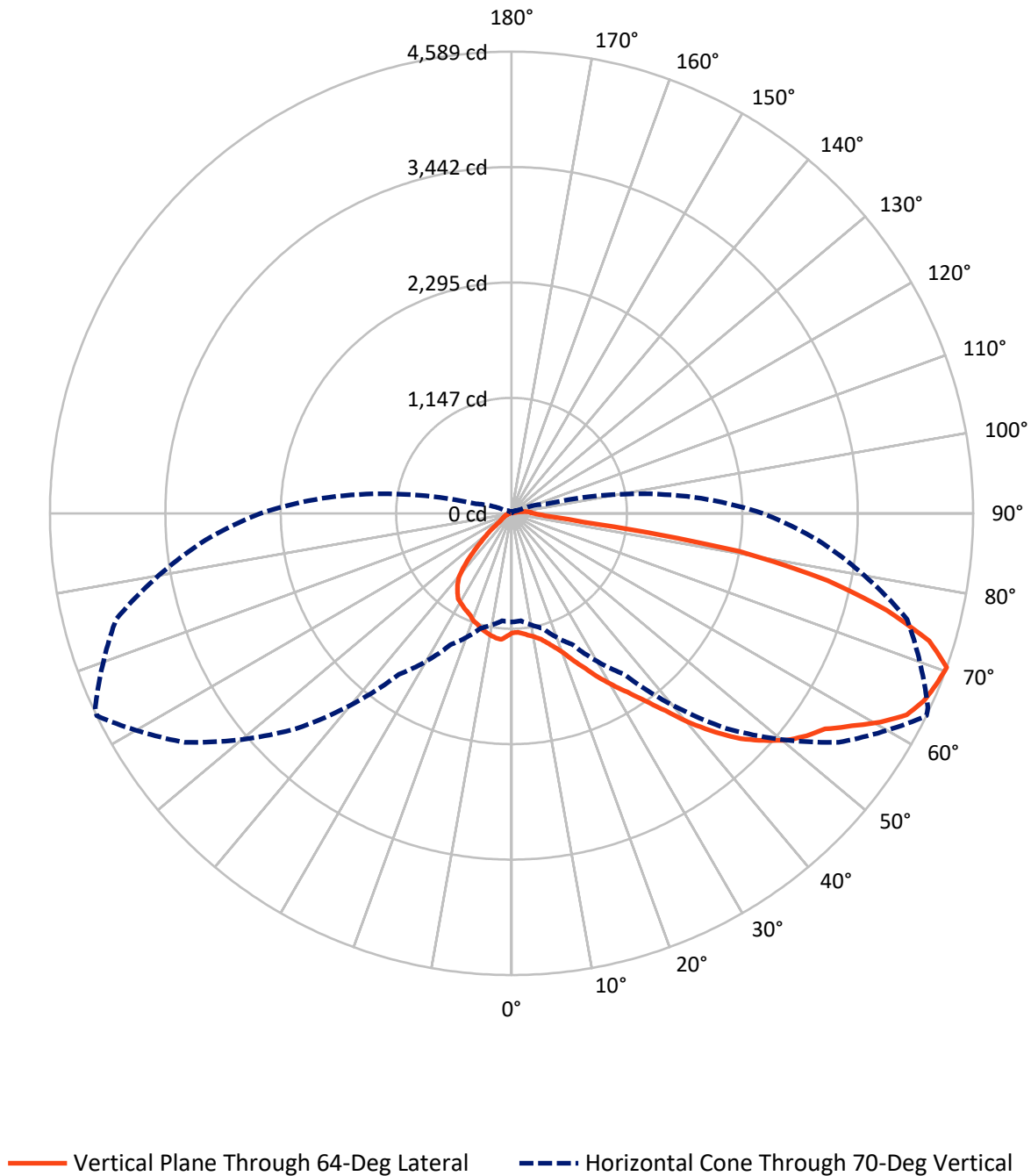
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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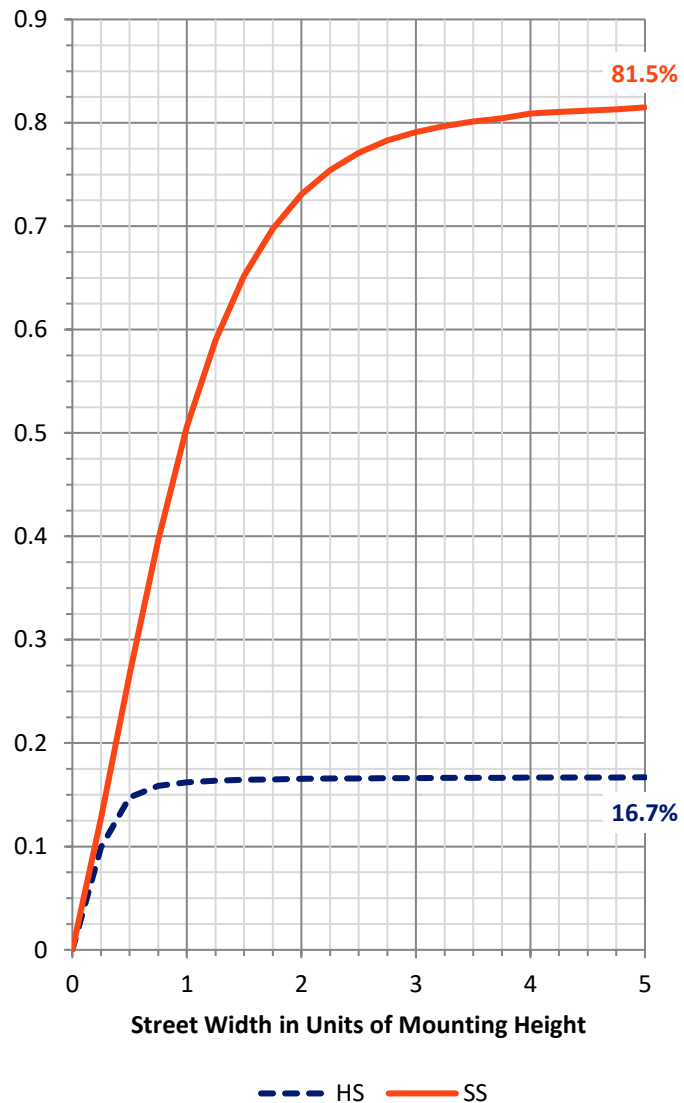
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1327.3	16.1	1343.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6416.6	66.0	6482.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	7743.9	82.1	7826.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.5
10°-20°	360.7	4.6
20°-30°	623.5	8.0
30°-40°	925.2	11.8
40°-50°	1270.9	16.2
50°-60°	1543.4	19.7
60°-70°	1639.7	21.0
70°-80°	1083.3	13.8
80°-90°	179.4	2.3
90°-100°	66.9	0.9
100°-110°	11.3	0.1
110°-120°	0.8	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7743.9	99.0
0°-180°	7826.0	100.0

Coefficient of Utilization



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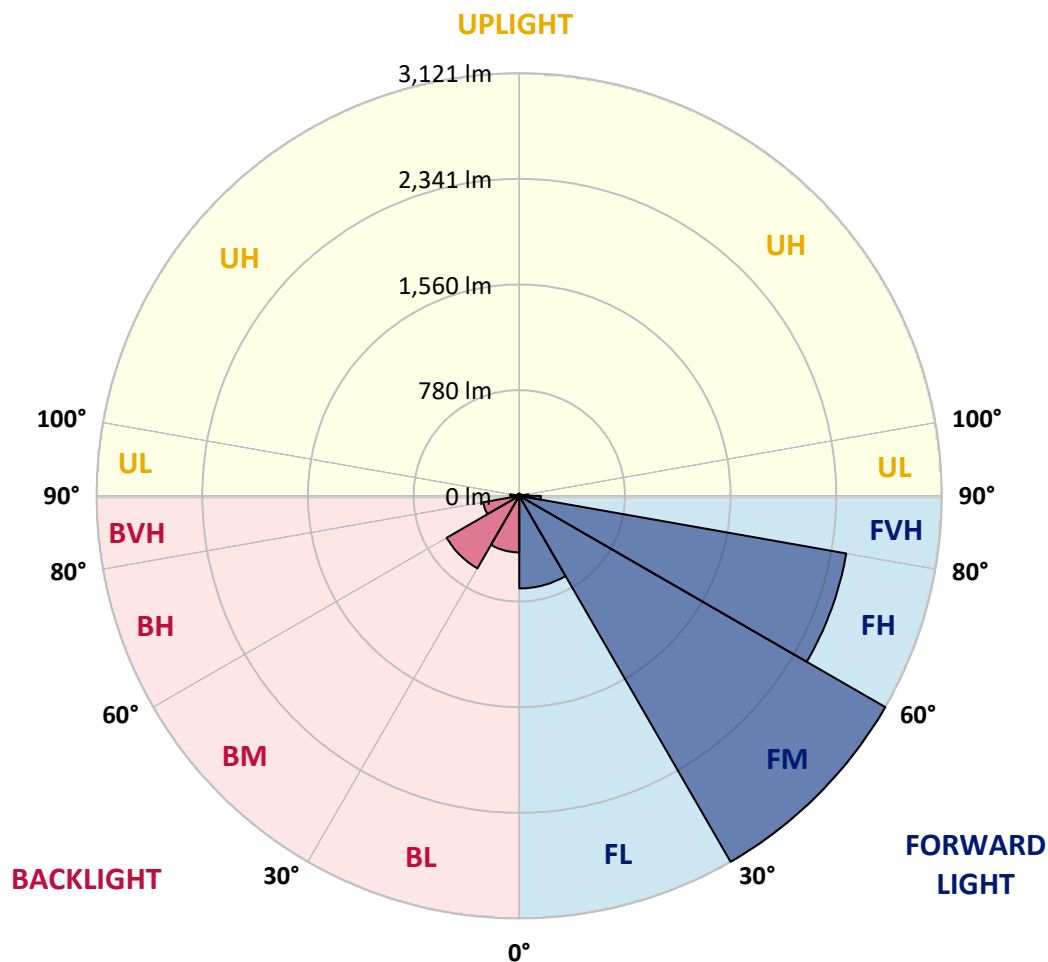
CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	684.1	8.7			
FM	(30°-60°)	3120.9	39.9			
FH	(60°-80°)	2452.4	31.3			G2/5000
FVH	(80°-90°)	159.2	2.0			G2/225
BL	(0°-30°)	417.8	5.3	B1/500		
BM	(30°-60°)	618.7	7.9	B1/1000		
BH	(60°-80°)	270.6	3.5	B1/500		G1/500
BVH	(80°-90°)	20.2	0.3			G1/100
UL	(90°-100°)	66.9	0.9		U3/500	
UH	(100°-180°)	15.3	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1195.6	1192.8	1195.6	1192.8	1190.0	1187.2	1184.4	1184.4	1181.6	1184.4	1187.2
5°	1248.8	1251.6	1246.0	1234.8	1220.8	1209.6	1204.0	1201.2	1201.2	1204.0	1215.2
7.5°	1288.0	1285.2	1282.4	1279.6	1268.4	1243.2	1229.2	1223.6	1223.6	1218.0	1237.6
10°	1358.0	1352.4	1338.4	1321.6	1310.4	1282.4	1257.2	1248.8	1246.0	1248.8	1265.6
12.5°	1433.6	1428.0	1425.2	1408.4	1369.2	1344.0	1302.0	1282.4	1282.4	1282.4	1290.8
15°	1542.8	1534.4	1506.4	1486.8	1453.2	1411.2	1363.6	1335.6	1335.6	1341.2	1318.8
17.5°	1621.2	1615.6	1612.8	1579.2	1551.2	1486.8	1450.4	1402.8	1402.8	1414.0	1366.4
20°	1702.3	1696.7	1699.5	1693.9	1651.9	1601.6	1537.2	1481.2	1481.2	1484.0	1416.8
22.5°	1811.5	1803.1	1803.1	1800.3	1777.9	1719.1	1643.5	1596.0	1587.6	1565.2	1481.2
25°	1920.7	1917.9	1912.3	1915.1	1909.5	1842.3	1761.1	1707.9	1707.9	1677.1	1568.0
27.5°	2029.9	2029.9	2027.1	2029.9	2027.1	1985.1	1903.9	1847.9	1850.7	1811.5	1663.1
30°	2108.3	2105.5	2125.1	2133.5	2139.1	2122.3	2043.9	1982.3	1987.9	1948.7	1775.1
32.5°	2181.1	2178.3	2211.9	2231.5	2237.1	2234.3	2169.9	2119.5	2133.5	2097.1	1909.5
35°	2248.3	2245.5	2290.3	2340.7	2363.1	2357.5	2315.5	2287.5	2301.5	2298.7	2091.5
37.5°	2298.7	2307.1	2365.9	2435.9	2475.1	2477.9	2458.3	2489.1	2505.9	2561.9	2318.3
40°	2357.5	2357.5	2413.5	2489.1	2559.1	2587.1	2603.9	2743.9	2760.7	2771.9	2469.5
42.5°	2295.9	2312.7	2433.1	2545.1	2634.7	2699.1	2791.5	2973.5	3009.9	2925.9	2654.3
45°	2248.3	2262.3	2385.5	2573.1	2701.9	2822.3	2995.9	3197.5	3225.5	3079.9	2752.3
47.5°	2197.9	2220.3	2346.3	2553.5	2766.3	2973.5	3166.7	3373.9	3399.1	3211.5	2889.5
50°	2139.1	2164.3	2298.7	2525.5	2799.9	3116.3	3320.7	3544.7	3547.5	3326.3	2965.1
52.5°	2083.1	2099.9	2239.9	2489.1	2827.9	3225.5	3466.3	3673.5	3656.7	3471.9	3046.3
55°	1987.9	2021.5	2169.9	2438.7	2841.9	3287.1	3567.1	3782.7	3793.9	3628.7	3155.5
57.5°	1901.1	1923.5	2080.3	2365.9	2830.7	3323.5	3665.1	3987.1	4009.5	3768.7	3233.9
60°	1791.9	1805.9	1957.1	2265.1	2757.9	3385.1	3883.5	4213.9	4239.1	3903.1	3264.7
62.5°	1654.7	1654.7	1805.9	2130.7	2665.5	3429.9	4034.7	4409.9	4409.9	4009.5	3275.9
65°	1478.4	1486.8	1621.2	1948.7	2511.5	3404.7	4079.5	4502.3	4510.7	4085.1	3270.3
67.5°	1307.6	1304.8	1422.4	1710.7	2279.1	3273.1	4045.9	4549.9	4583.5	4129.9	3197.5
70°	1080.8	1072.4	1181.6	1442.0	1954.3	3023.9	3967.5	4589.1	4566.7	4071.1	3054.7
72.5°	831.6	823.2	904.4	1103.2	1540.0	2595.5	3737.9	4342.7	4303.5	3751.9	2760.7
75°	590.8	579.6	644.0	775.6	1013.6	1898.3	3205.9	3852.7	3807.9	3373.9	2304.3
77.5°	336.0	324.8	383.6	490.0	613.2	1075.2	2427.5	3211.5	3273.1	2783.1	1761.1
80°	148.4	142.8	168.0	235.2	344.4	512.4	1321.6	2295.9	2211.9	1898.3	1002.4
82.5°	126.0	126.0	128.8	134.4	140.0	235.2	495.6	722.4	691.6	557.2	319.2
85°	109.2	106.4	112.0	117.6	120.4	154.0	288.4	347.2	341.6	308.0	221.2
87.5°	89.6	84.0	92.4	98.0	98.0	126.0	215.6	254.8	254.8	257.6	196.0
90°	78.4	78.4	72.8	72.8	75.6	89.6	165.2	210.0	215.6	266.0	226.8
92.5°	67.2	67.2	67.2	67.2	56.0	64.4	117.6	187.6	201.6	260.4	204.4
95°	64.4	61.6	64.4	58.8	56.0	58.8	89.6	165.2	182.0	229.6	179.2
97.5°	44.8	42.0	47.6	47.6	50.4	53.2	75.6	123.2	128.8	170.8	134.4
100°	30.8	28.0	28.0	28.0	36.4	36.4	61.6	75.6	78.4	109.2	89.6
102.5°	16.8	14.0	14.0	14.0	19.6	22.4	30.8	42.0	42.0	58.8	50.4
105°	5.6	5.6	8.4	8.4	8.4	11.2	11.2	14.0	14.0	16.8	22.4
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	2.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	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	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
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	2.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1190.0	1195.6	1209.6	1218.0	1229.2	1240.4	1248.8	1248.8	1257.2	1251.6	1248.8
5°	1226.4	1229.2	1246.0	1257.2	1254.4	1243.2	1234.8	1229.2	1232.0	1237.6	1237.6
7.5°	1251.6	1262.8	1248.8	1248.8	1246.0	1232.0	1215.2	1198.4	1190.0	1187.2	1187.2
10°	1265.6	1254.4	1248.8	1234.8	1204.0	1195.6	1181.6	1150.8	1142.4	1142.4	1131.2
12.5°	1274.0	1268.4	1237.6	1212.4	1184.4	1139.6	1108.8	1103.2	1078.0	1075.2	1078.0
15°	1307.6	1279.6	1240.4	1192.8	1139.6	1100.4	1058.4	1013.6	994.0	996.8	999.6
17.5°	1330.0	1304.8	1234.8	1159.2	1111.6	1038.8	991.2	966.0	935.2	935.2	935.2
20°	1366.4	1324.4	1226.4	1145.2	1033.2	980.0	924.0	896.0	865.2	812.0	806.4
22.5°	1414.0	1360.8	1223.6	1103.2	1002.4	915.6	834.4	747.6	702.8	672.0	663.6
25°	1472.8	1411.2	1243.2	1083.6	943.6	837.2	733.6	616.0	532.0	515.2	515.2
27.5°	1573.6	1475.6	1268.4	1064.0	910.0	750.4	588.0	484.4	411.6	389.2	386.4
30°	1671.5	1556.8	1276.8	1044.4	845.6	632.8	453.6	344.4	280.0	252.0	246.4
32.5°	1825.5	1668.7	1349.6	1027.6	772.8	509.6	322.0	218.4	165.2	148.4	145.6
35°	1982.3	1819.9	1374.8	982.8	641.2	372.4	184.8	117.6	89.6	75.6	72.8
37.5°	2183.9	2010.3	1450.4	935.2	509.6	212.8	103.6	64.4	56.0	56.0	56.0
40°	2301.5	2094.3	1517.6	873.6	350.0	109.2	61.6	50.4	50.4	47.6	47.6
42.5°	2452.7	2197.9	1576.4	753.2	184.8	67.2	53.2	47.6	42.0	42.0	42.0
45°	2539.5	2265.1	1556.8	604.8	86.8	61.6	50.4	42.0	39.2	39.2	39.2
47.5°	2645.9	2349.1	1514.8	448.0	75.6	56.0	47.6	39.2	36.4	39.2	39.2
50°	2752.3	2433.1	1408.4	344.4	70.0	53.2	42.0	33.6	33.6	36.4	36.4
52.5°	2805.5	2491.9	1282.4	238.0	70.0	50.4	39.2	33.6	30.8	30.8	30.8
55°	2867.1	2505.9	1176.0	156.8	67.2	47.6	36.4	28.0	28.0	25.2	25.2
57.5°	2900.7	2469.5	1097.6	131.6	64.4	44.8	33.6	25.2	22.4	19.6	19.6
60°	2886.7	2416.3	1030.4	114.8	58.8	42.0	30.8	22.4	16.8	14.0	14.0
62.5°	2858.7	2371.5	907.2	100.8	56.0	36.4	25.2	19.6	14.0	11.2	11.2
65°	2827.9	2251.1	764.4	86.8	50.4	33.6	22.4	16.8	11.2	8.4	8.4
67.5°	2685.1	2091.5	560.0	78.4	47.6	30.8	19.6	14.0	11.2	8.4	8.4
70°	2497.5	1825.5	361.2	67.2	42.0	28.0	19.6	11.2	8.4	5.6	5.6
72.5°	2125.1	1489.6	182.0	58.8	39.2	28.0	16.8	11.2	8.4	5.6	2.8
75°	1735.9	1111.6	117.6	50.4	36.4	28.0	16.8	11.2	5.6	2.8	2.8
77.5°	1243.2	602.0	89.6	44.8	30.8	28.0	14.0	8.4	5.6	5.6	2.8
80°	518.0	218.4	72.8	36.4	28.0	25.2	14.0	8.4	5.6	5.6	2.8
82.5°	218.4	151.2	64.4	30.8	25.2	25.2	11.2	8.4	5.6	5.6	5.6
85°	170.8	126.0	56.0	28.0	22.4	28.0	11.2	8.4	8.4	8.4	8.4
87.5°	159.6	128.8	50.4	25.2	22.4	19.6	11.2	8.4	14.0	14.0	16.8
90°	179.2	134.4	39.2	22.4	19.6	16.8	8.4	5.6	5.6	0.0	0.0
92.5°	165.2	123.2	28.0	16.8	25.2	11.2	5.6	0.0	0.0	0.0	0.0
95°	142.8	103.6	16.8	11.2	28.0	14.0	2.8	0.0	0.0	0.0	0.0
97.5°	106.4	75.6	11.2	5.6	22.4	16.8	2.8	0.0	0.0	0.0	0.0
100°	75.6	47.6	8.4	5.6	14.0	16.8	2.8	0.0	0.0	0.0	0.0
102.5°	42.0	25.2	5.6	2.8	5.6	5.6	0.0	0.0	0.0	0.0	0.0
105°	19.6	8.4	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	2.8	2.8	0.0	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: P690952

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-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	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	0.0	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	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	2.8	2.8	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)