

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: P691504

Luminaire Tested: **CRTK2-C016-D-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691504
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-C016-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: 5315 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

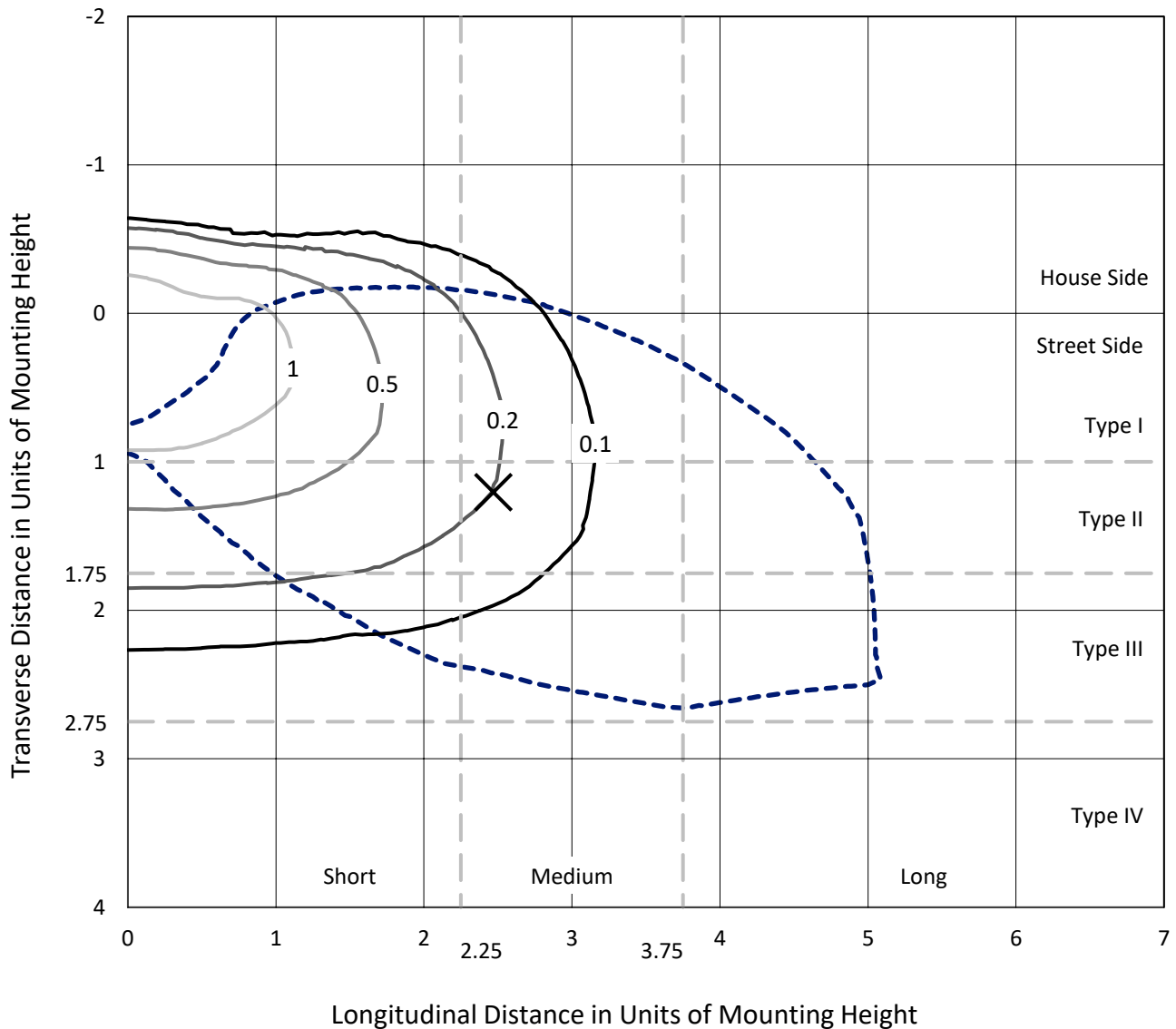
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

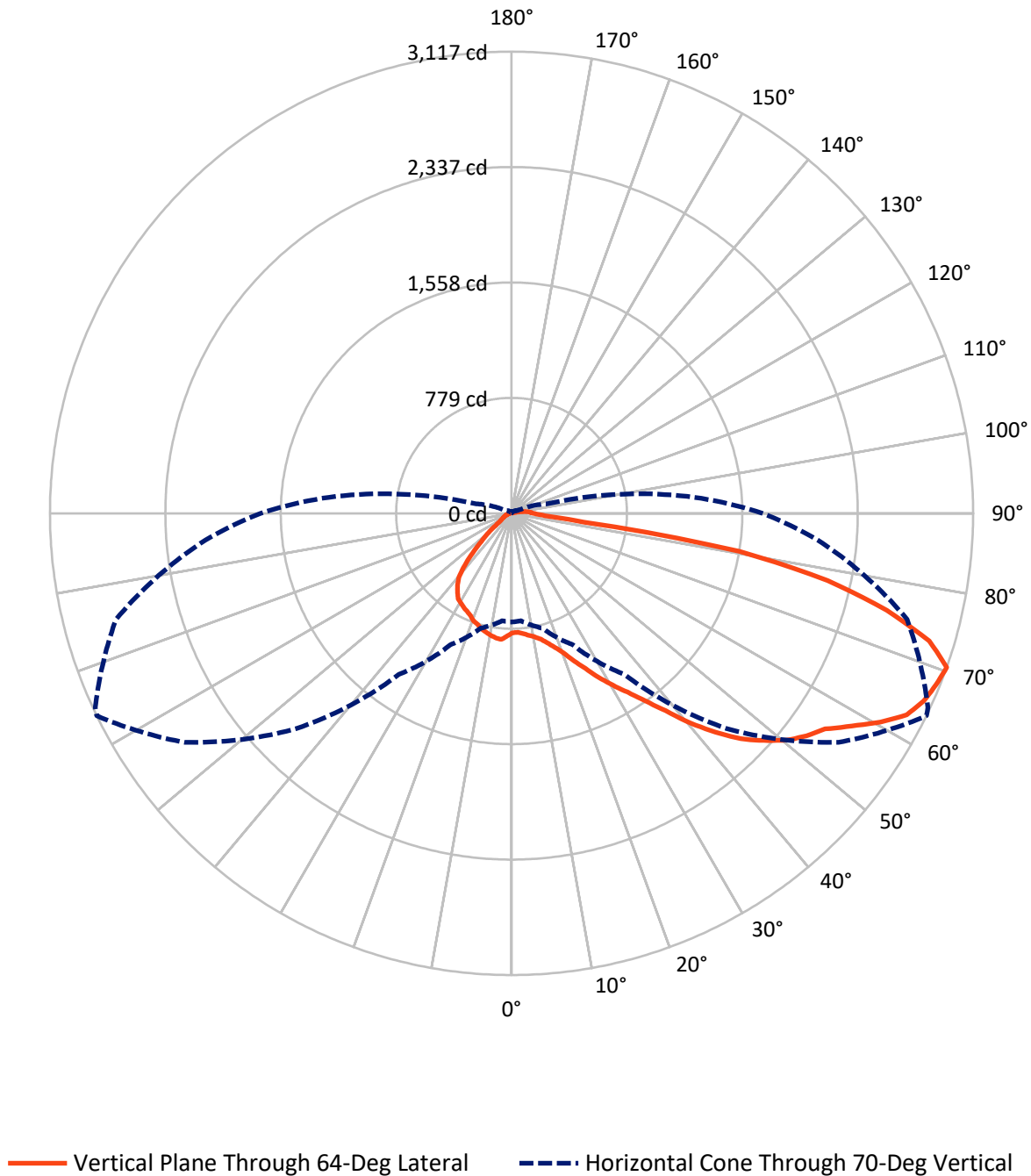
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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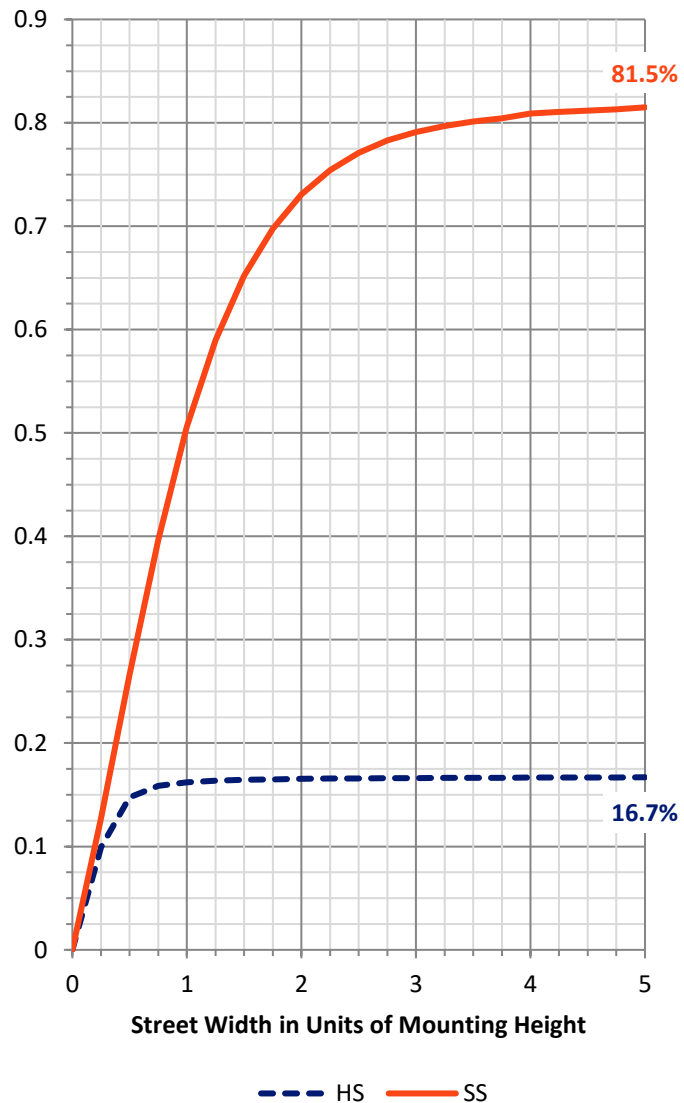
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	901.4	11.0	912.3
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	4357.8	44.8	4402.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	5259.2	55.8	5315.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.5
10°-20°	245.0	4.6
20°-30°	423.5	8.0
30°-40°	628.4	11.8
40°-50°	863.1	16.2
50°-60°	1048.2	19.7
60°-70°	1113.6	21.0
70°-80°	735.7	13.8
80°-90°	121.8	2.3
90°-100°	45.4	0.9
100°-110°	7.7	0.1
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5259.2	99.0
0°-180°	5315.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691504

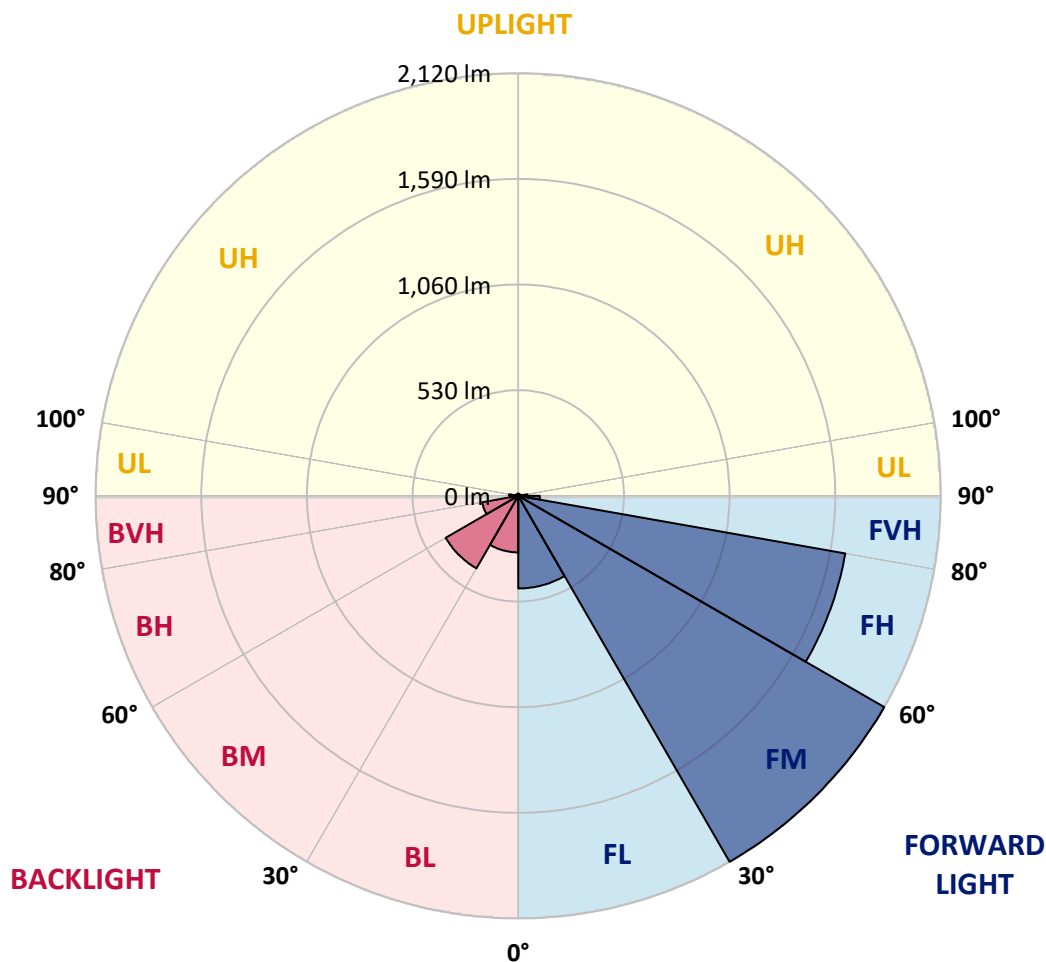
CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.6	8.7			
FM	(30°-60°)	2119.5	39.9			
FH	(60°-80°)	1665.6	31.3			G1/1800
FVH	(80°-90°)	108.1	2.0			G2/225
BL	(0°-30°)	283.7	5.3	B1/500		
BM	(30°-60°)	420.2	7.9	B1/1000		
BH	(60°-80°)	183.8	3.5	B1/500		G1/500
BVH	(80°-90°)	13.7	0.3			G1/100
UL	(90°-100°)	45.4	0.9		U2/50	
UH	(100°-180°)	10.4	0.2		U2/50	

BUG Rating: B1-U2-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3
2.5°	812.0	810.1	812.0	810.1	808.2	806.3	804.4	804.4	802.5	804.4	806.3
5°	848.1	850.0	846.2	838.6	829.1	821.5	817.7	815.8	815.8	817.7	825.3
7.5°	874.7	872.8	870.9	869.0	861.4	844.3	834.8	831.0	831.0	827.2	840.5
10°	922.3	918.4	908.9	897.5	889.9	870.9	853.8	848.1	846.2	848.1	859.5
12.5°	973.6	969.8	967.9	956.5	929.9	912.7	884.2	870.9	870.9	870.9	876.6
15°	1047.8	1042.1	1023.0	1009.7	986.9	958.4	926.1	907.0	907.0	910.8	895.6
17.5°	1101.0	1097.2	1095.3	1072.5	1053.5	1009.7	985.0	952.7	952.7	960.3	928.0
20°	1156.1	1152.3	1154.2	1150.4	1121.9	1087.7	1044.0	1005.9	1005.9	1007.8	962.2
22.5°	1230.3	1224.6	1224.6	1222.7	1207.5	1167.6	1116.2	1083.9	1078.2	1063.0	1005.9
25°	1304.5	1302.6	1298.8	1300.7	1296.9	1251.2	1196.1	1159.9	1159.9	1139.0	1064.9
27.5°	1378.6	1378.6	1376.7	1378.6	1376.7	1348.2	1293.1	1255.0	1256.9	1230.3	1129.5
30°	1431.9	1430.0	1443.3	1449.0	1452.8	1441.4	1388.1	1346.3	1350.1	1323.5	1205.6
32.5°	1481.3	1479.4	1502.2	1515.5	1519.3	1517.4	1473.7	1439.5	1449.0	1424.3	1296.9
35°	1526.9	1525.0	1555.5	1589.7	1604.9	1601.1	1572.6	1553.6	1563.1	1561.2	1420.5
37.5°	1561.2	1566.9	1606.8	1654.4	1681.0	1682.9	1669.6	1690.5	1701.9	1739.9	1574.5
40°	1601.1	1601.1	1639.1	1690.5	1738.0	1757.0	1768.4	1863.5	1874.9	1882.5	1677.2
42.5°	1559.3	1570.7	1652.4	1728.5	1789.4	1833.1	1895.8	2019.4	2044.2	1987.1	1802.7
45°	1526.9	1536.5	1620.1	1747.5	1835.0	1916.8	2034.7	2171.6	2190.6	2091.7	1869.2
47.5°	1492.7	1507.9	1593.5	1734.2	1878.7	2019.4	2150.7	2291.4	2308.5	2181.1	1962.4
50°	1452.8	1469.9	1561.2	1715.2	1901.6	2116.4	2255.2	2407.4	2409.3	2259.0	2013.7
52.5°	1414.8	1426.2	1521.2	1690.5	1920.6	2190.6	2354.1	2494.8	2483.4	2357.9	2068.9
55°	1350.1	1372.9	1473.7	1656.3	1930.1	2232.4	2422.6	2569.0	2576.6	2464.4	2143.0
57.5°	1291.2	1306.4	1412.9	1606.8	1922.5	2257.1	2489.1	2707.8	2723.0	2559.5	2196.3
60°	1217.0	1226.5	1329.2	1538.4	1873.0	2299.0	2637.5	2861.8	2878.9	2650.8	2217.2
62.5°	1123.8	1123.8	1226.5	1447.1	1810.3	2329.4	2740.1	2994.9	2994.9	2723.0	2224.8
65°	1004.0	1009.7	1101.0	1323.5	1705.7	2312.3	2770.6	3057.7	3063.4	2774.4	2221.0
67.5°	888.0	886.1	966.0	1161.8	1547.9	2222.9	2747.7	3090.0	3112.8	2804.8	2171.6
70°	734.0	728.3	802.5	979.3	1327.3	2053.7	2694.5	3116.6	3101.4	2764.9	2074.6
72.5°	564.8	559.1	614.2	749.2	1045.9	1762.7	2538.6	2949.3	2922.7	2548.1	1874.9
75°	401.2	393.6	437.4	526.7	688.4	1289.3	2177.3	2616.5	2586.1	2291.4	1565.0
77.5°	228.2	220.6	260.5	332.8	416.4	730.2	1648.6	2181.1	2222.9	1890.1	1196.1
80°	100.8	97.0	114.1	159.7	233.9	348.0	897.5	1559.3	1502.2	1289.3	680.8
82.5°	85.6	85.6	87.5	91.3	95.1	159.7	336.6	490.6	469.7	378.4	216.8
85°	74.2	72.3	76.1	79.9	81.8	104.6	195.9	235.8	232.0	209.2	150.2
87.5°	60.8	57.0	62.8	66.6	66.6	85.6	146.4	173.0	173.0	174.9	133.1
90°	53.2	53.2	49.4	49.4	51.3	60.8	112.2	142.6	146.4	180.6	154.0
92.5°	45.6	45.6	45.6	45.6	38.0	43.7	79.9	127.4	136.9	176.8	138.8
95°	43.7	41.8	43.7	39.9	38.0	39.9	60.8	112.2	123.6	155.9	121.7
97.5°	30.4	28.5	32.3	32.3	34.2	36.1	51.3	83.7	87.5	116.0	91.3
100°	20.9	19.0	19.0	19.0	24.7	24.7	41.8	51.3	53.2	74.2	60.8
102.5°	11.4	9.5	9.5	9.5	13.3	15.2	20.9	28.5	28.5	39.9	34.2
105°	3.8	3.8	5.7	5.7	5.7	7.6	7.6	9.5	9.5	11.4	15.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9



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CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-HSS-CRTK2

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	1.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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°	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3	806.3
2.5°	808.2	812.0	821.5	827.2	834.8	842.4	848.1	848.1	853.8	850.0	848.1
5°	832.9	834.8	846.2	853.8	851.9	844.3	838.6	834.8	836.7	840.5	840.5
7.5°	850.0	857.6	848.1	848.1	846.2	836.7	825.3	813.9	808.2	806.3	806.3
10°	859.5	851.9	848.1	838.6	817.7	812.0	802.5	781.5	775.8	775.8	768.2
12.5°	865.2	861.4	840.5	823.4	804.4	773.9	753.0	749.2	732.1	730.2	732.1
15°	888.0	869.0	842.4	810.1	773.9	747.3	718.8	688.4	675.1	677.0	678.9
17.5°	903.2	886.1	838.6	787.2	754.9	705.5	673.1	656.0	635.1	635.1	635.1
20°	928.0	899.4	832.9	777.7	701.7	665.5	627.5	608.5	587.6	551.5	547.6
22.5°	960.3	924.2	831.0	749.2	680.8	621.8	566.7	507.7	477.3	456.4	450.7
25°	1000.2	958.4	844.3	735.9	640.8	568.6	498.2	418.3	361.3	349.9	349.9
27.5°	1068.7	1002.1	861.4	722.6	618.0	509.6	399.3	329.0	279.5	264.3	262.4
30°	1135.2	1057.3	867.1	709.3	574.3	429.8	308.1	233.9	190.2	171.1	167.3
32.5°	1239.8	1133.3	916.5	697.9	524.8	346.1	218.7	148.3	112.2	100.8	98.9
35°	1346.3	1236.0	933.7	667.4	435.5	252.9	125.5	79.9	60.8	51.3	49.4
37.5°	1483.2	1365.3	985.0	635.1	346.1	144.5	70.4	43.7	38.0	38.0	38.0
40°	1563.1	1422.4	1030.6	593.3	237.7	74.2	41.8	34.2	34.2	32.3	32.3
42.5°	1665.8	1492.7	1070.6	511.5	125.5	45.6	36.1	32.3	28.5	28.5	28.5
45°	1724.7	1538.4	1057.3	410.7	58.9	41.8	34.2	28.5	26.6	26.6	26.6
47.5°	1797.0	1595.4	1028.7	304.2	51.3	38.0	32.3	26.6	24.7	26.6	26.6
50°	1869.2	1652.4	956.5	233.9	47.5	36.1	28.5	22.8	22.8	24.7	24.7
52.5°	1905.4	1692.4	870.9	161.6	47.5	34.2	26.6	22.8	20.9	20.9	20.9
55°	1947.2	1701.9	798.7	106.5	45.6	32.3	24.7	19.0	19.0	17.1	17.1
57.5°	1970.0	1677.2	745.4	89.4	43.7	30.4	22.8	17.1	15.2	13.3	13.3
60°	1960.5	1641.0	699.8	78.0	39.9	28.5	20.9	15.2	11.4	9.5	9.5
62.5°	1941.5	1610.6	616.1	68.5	38.0	24.7	17.1	13.3	9.5	7.6	7.6
65°	1920.6	1528.8	519.1	58.9	34.2	22.8	15.2	11.4	7.6	5.7	5.7
67.5°	1823.6	1420.5	380.3	53.2	32.3	20.9	13.3	9.5	7.6	5.7	5.7
70°	1696.2	1239.8	245.3	45.6	28.5	19.0	13.3	7.6	5.7	3.8	3.8
72.5°	1443.3	1011.6	123.6	39.9	26.6	19.0	11.4	7.6	5.7	3.8	1.9
75°	1179.0	754.9	79.9	34.2	24.7	19.0	11.4	7.6	3.8	1.9	1.9
77.5°	844.3	408.8	60.8	30.4	20.9	19.0	9.5	5.7	3.8	3.8	1.9
80°	351.8	148.3	49.4	24.7	19.0	17.1	9.5	5.7	3.8	3.8	1.9
82.5°	148.3	102.7	43.7	20.9	17.1	17.1	7.6	5.7	3.8	3.8	3.8
85°	116.0	85.6	38.0	19.0	15.2	19.0	7.6	5.7	5.7	5.7	5.7
87.5°	108.4	87.5	34.2	17.1	15.2	13.3	7.6	5.7	9.5	9.5	11.4
90°	121.7	91.3	26.6	15.2	13.3	11.4	5.7	3.8	3.8	0.0	0.0
92.5°	112.2	83.7	19.0	11.4	17.1	7.6	3.8	0.0	0.0	0.0	0.0
95°	97.0	70.4	11.4	7.6	19.0	9.5	1.9	0.0	0.0	0.0	0.0
97.5°	72.3	51.3	7.6	3.8	15.2	11.4	1.9	0.0	0.0	0.0	0.0
100°	51.3	32.3	5.7	3.8	9.5	11.4	1.9	0.0	0.0	0.0	0.0
102.5°	28.5	17.1	3.8	1.9	3.8	3.8	0.0	0.0	0.0	0.0	0.0
105°	13.3	5.7	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691504

CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
115°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
122.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
125°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
132.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
135°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.9	1.9	1.9	1.9	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

(END OF REPORT)