

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: P691520

Luminaire Tested: **CRTK2-C016-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691520  
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-T3-7050-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

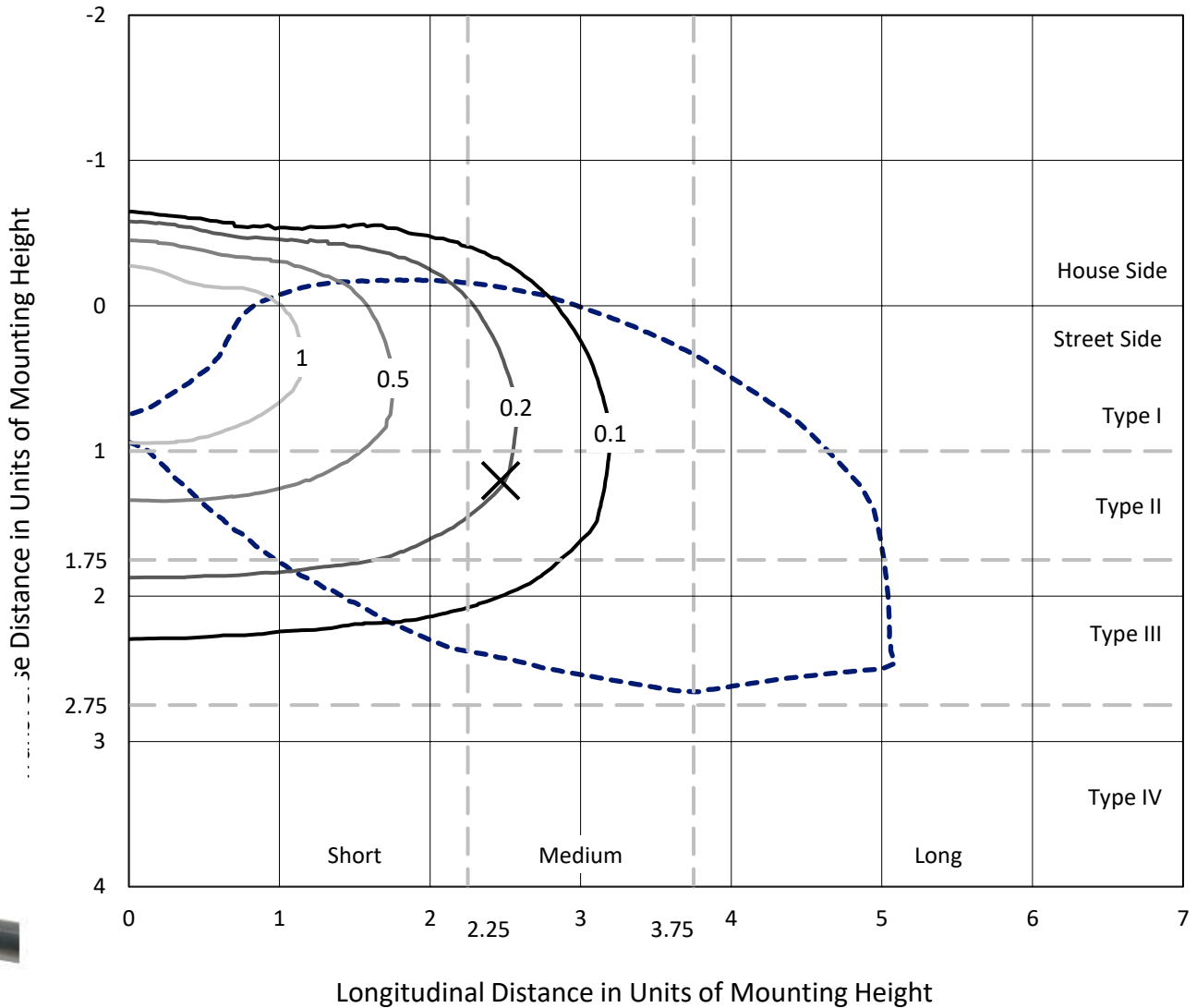
Lumens per Lamp: N/A  
Luminaire Lumens: 5536 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U2 - G2  
  
Input Watts (W): 41.6  
Input Voltage (V): NR  
Input Current (Ain): 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

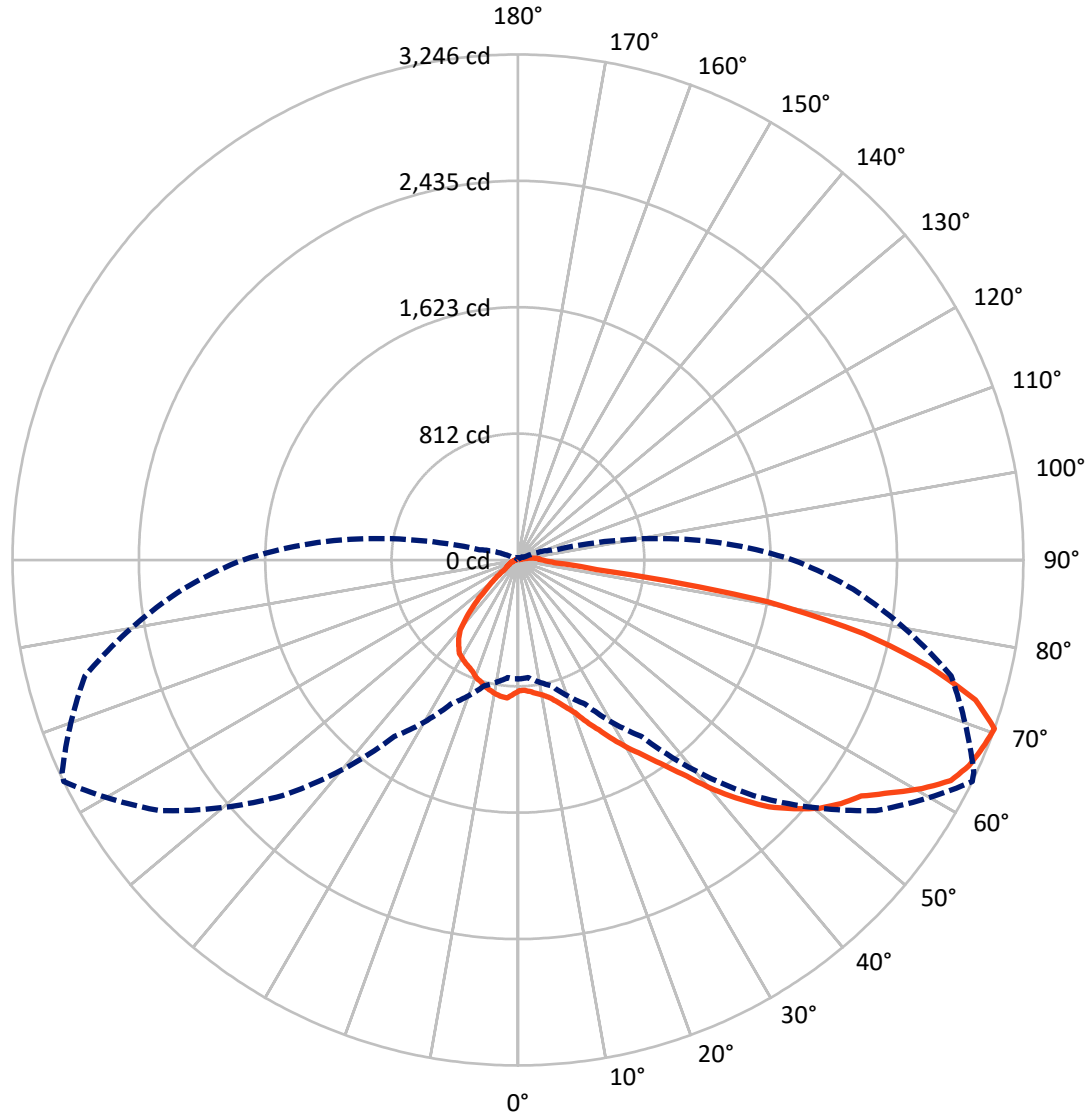
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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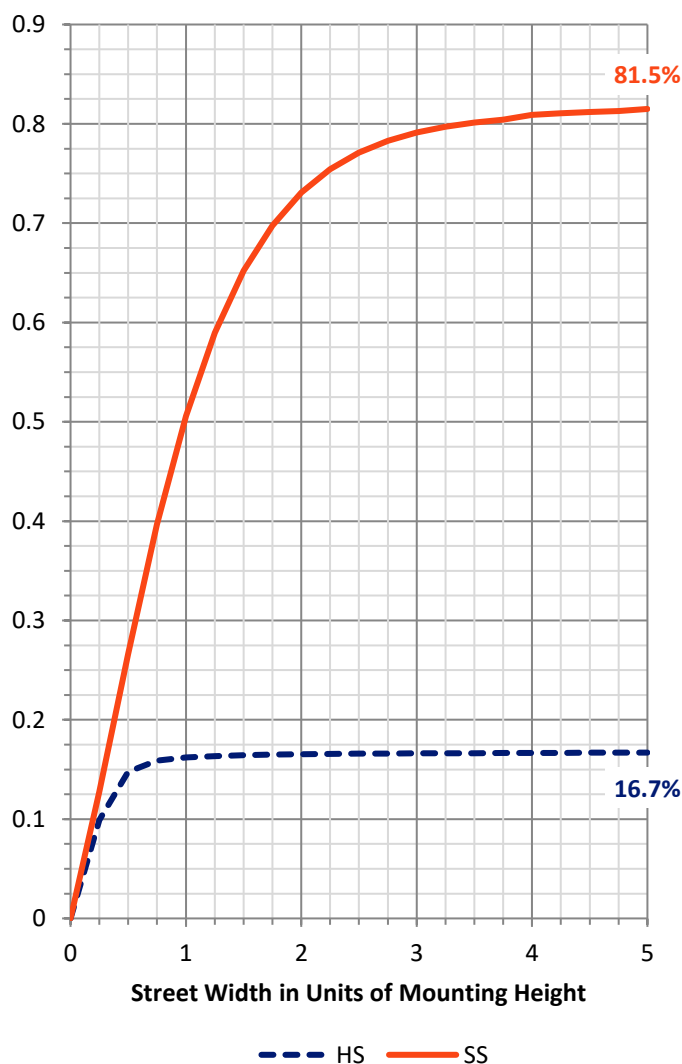
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	938.9	11.4	950.3
	% Fixture	17.0	0.2	17.2
<b>Street Side</b>	Lumens	4539.0	46.7	4585.7
	% Fixture	82.0	0.8	82.8
<b>Total</b>	Lumens	5477.9	58.1	5536.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.2	1.5
10°-20°	255.1	4.6
20°-30°	441.1	8.0
30°-40°	654.5	11.8
40°-50°	899.0	16.2
50°-60°	1091.8	19.7
60°-70°	1159.9	21.0
70°-80°	766.3	13.8
80°-90°	126.9	2.3
90°-100°	47.3	0.9
100°-110°	8.0	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°	5477.9	98.9
0°-180°	5536.0	100.0

**Coefficient of Utilization**



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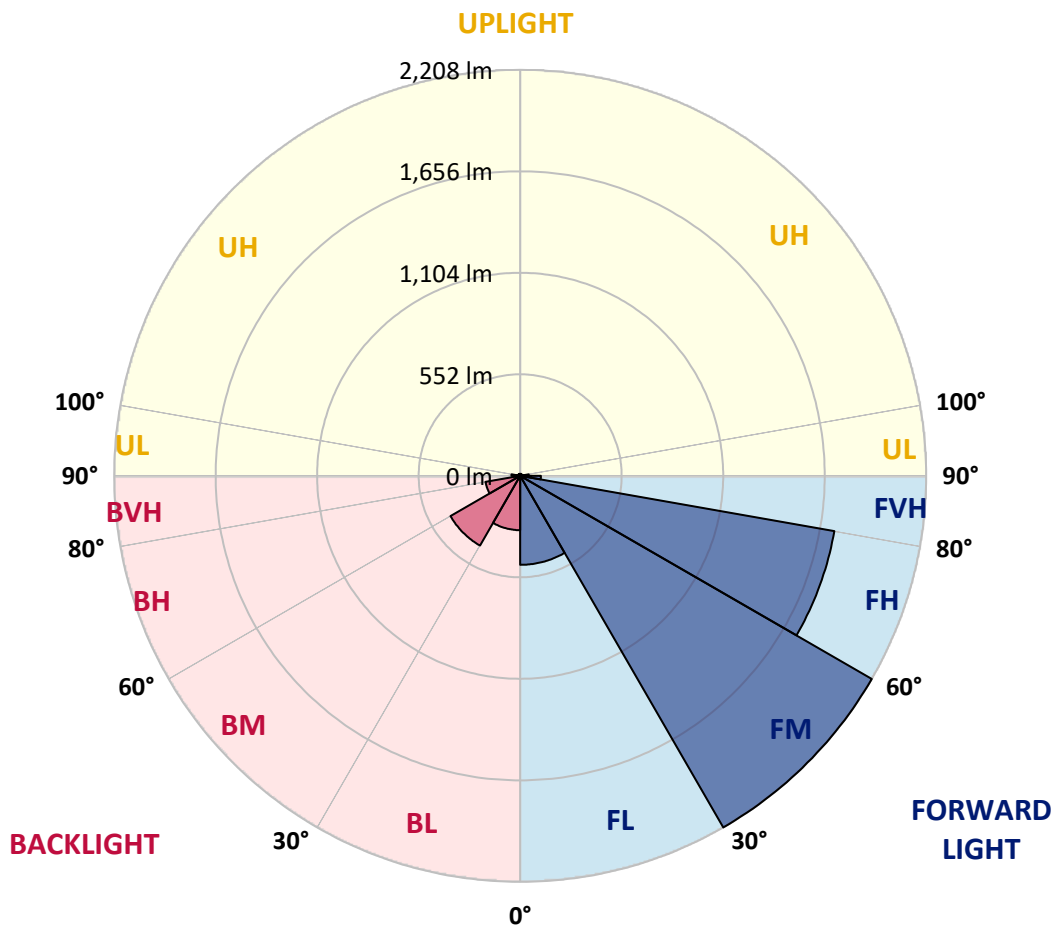
CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.9	8.7			
FM (30°-60°)	2207.7	39.9			
FH (60°-80°)	1734.8	31.3			G1/1800
FVH (80°-90°)	112.6	2.0			G2/225
BL (0°-30°)	295.5	5.3	B1/500		
BM (30°-60°)	437.7	7.9	B1/1000		
BH (60°-80°)	191.4	3.5	B1/500		G1/500
BVH (80°-90°)	14.3	0.3			G1/100
UL (90°-100°)	47.3	0.9		U2/50	
UH (100°-180°)	10.8	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°	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8
2.5°	845.7	843.7	845.7	843.7	841.8	839.8	837.8	837.8	835.8	837.8	839.8
5°	883.4	885.3	881.4	873.5	863.6	855.6	851.7	849.7	849.7	851.7	859.6
7.5°	911.1	909.1	907.1	905.1	897.2	879.4	869.5	865.5	865.5	861.6	875.4
10°	960.6	956.6	946.7	934.9	926.9	907.1	889.3	883.4	881.4	883.4	895.2
12.5°	1014.1	1010.1	1008.1	996.3	968.5	950.7	921.0	907.1	907.1	907.1	913.1
15°	1091.3	1085.4	1065.6	1051.7	1027.9	998.2	964.6	944.8	944.8	948.7	932.9
17.5°	1146.8	1142.8	1140.8	1117.1	1097.3	1051.7	1026.0	992.3	992.3	1000.2	966.5
20°	1204.2	1200.3	1202.2	1198.3	1168.6	1132.9	1087.4	1047.7	1047.7	1049.7	1002.2
22.5°	1281.5	1275.5	1275.5	1273.5	1257.7	1216.1	1162.6	1129.0	1123.0	1107.2	1047.7
25°	1358.7	1356.7	1352.8	1354.7	1350.8	1303.2	1245.8	1208.2	1208.2	1186.4	1109.1
27.5°	1435.9	1435.9	1434.0	1435.9	1434.0	1404.3	1346.8	1307.2	1309.2	1281.5	1176.5
30°	1491.4	1489.4	1503.3	1509.2	1513.2	1501.3	1445.9	1402.3	1406.2	1378.5	1255.7
32.5°	1542.9	1540.9	1564.7	1578.6	1582.5	1580.5	1535.0	1499.3	1509.2	1483.5	1350.8
35°	1590.4	1588.5	1620.1	1655.8	1671.6	1667.7	1638.0	1618.2	1628.1	1626.1	1479.5
37.5°	1626.1	1632.0	1673.6	1723.1	1750.9	1752.8	1739.0	1760.8	1772.7	1812.3	1640.0
40°	1667.7	1667.7	1707.3	1760.8	1810.3	1830.1	1842.0	1941.0	1952.9	1960.8	1746.9
42.5°	1624.1	1636.0	1721.2	1800.4	1863.8	1909.3	1974.7	2103.4	2129.2	2069.7	1877.6
45°	1590.4	1600.3	1687.5	1820.2	1911.3	1996.5	2119.3	2261.9	2281.7	2178.7	1946.9
47.5°	1554.8	1570.6	1659.8	1806.3	1956.9	2103.4	2240.1	2386.6	2404.5	2271.8	2044.0
50°	1513.2	1531.0	1626.1	1786.5	1980.6	2204.4	2349.0	2507.5	2509.4	2353.0	2097.5
52.5°	1473.6	1485.5	1584.5	1760.8	2000.4	2281.7	2452.0	2598.6	2586.7	2456.0	2154.9
55°	1406.2	1430.0	1535.0	1725.1	2010.3	2325.2	2523.3	2675.8	2683.7	2566.9	2232.2
57.5°	1344.8	1360.7	1471.6	1673.6	2002.4	2351.0	2592.6	2820.4	2836.2	2665.9	2287.6
60°	1267.6	1277.5	1384.5	1602.3	1950.9	2394.6	2747.1	2980.8	2998.7	2761.0	2309.4
62.5°	1170.5	1170.5	1277.5	1507.3	1885.5	2426.3	2854.1	3119.5	3119.5	2836.2	2317.3
65°	1045.8	1051.7	1146.8	1378.5	1776.6	2408.4	2885.8	3184.8	3190.8	2889.7	2313.4
67.5°	924.9	923.0	1006.2	1210.2	1612.2	2315.3	2862.0	3218.5	3242.3	2921.4	2261.9
70°	764.5	758.6	835.8	1020.0	1382.5	2139.1	2806.5	3246.2	3230.4	2879.8	2160.9
72.5°	588.2	582.3	639.7	780.4	1089.3	1836.0	2644.1	3071.9	3044.2	2654.0	1952.9
75°	417.9	410.0	455.5	548.6	717.0	1342.9	2267.8	2725.3	2693.6	2386.6	1630.0
77.5°	237.7	229.8	271.3	346.6	433.8	760.6	1717.2	2271.8	2315.3	1968.7	1245.8
80°	105.0	101.0	118.8	166.4	243.6	362.5	934.9	1624.1	1564.7	1342.9	709.1
82.5°	89.1	89.1	91.1	95.1	99.0	166.4	350.6	511.0	489.2	394.1	225.8
85°	77.2	75.3	79.2	83.2	85.2	108.9	204.0	245.6	241.6	217.9	156.5
87.5°	63.4	59.4	65.4	69.3	69.3	89.1	152.5	180.2	180.2	182.2	138.6
90°	55.5	55.5	51.5	51.5	53.5	63.4	116.9	148.5	152.5	188.2	160.4
92.5°	47.5	47.5	47.5	47.5	39.6	45.6	83.2	132.7	142.6	184.2	144.6
95°	45.6	43.6	45.6	41.6	39.6	41.6	63.4	116.9	128.7	162.4	126.8
97.5°	31.7	29.7	33.7	33.7	35.7	37.6	53.5	87.1	91.1	120.8	95.1
100°	21.8	19.8	19.8	19.8	25.7	25.7	43.6	53.5	55.5	77.2	63.4
102.5°	11.9	9.9	9.9	9.9	13.9	15.8	21.8	29.7	29.7	41.6	35.7
105°	4.0	4.0	5.9	5.9	5.9	7.9	7.9	9.9	9.9	11.9	15.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0



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 CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-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	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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°	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8
2.5°	841.8	845.7	855.6	861.6	869.5	877.4	883.4	883.4	889.3	885.3	883.4
5°	867.5	869.5	881.4	889.3	887.3	879.4	873.5	869.5	871.5	875.4	875.4
7.5°	885.3	893.3	883.4	883.4	881.4	871.5	859.6	847.7	841.8	839.8	839.8
10°	895.2	887.3	883.4	873.5	851.7	845.7	835.8	814.0	808.1	808.1	800.2
12.5°	901.2	897.2	875.4	857.6	837.8	806.1	784.3	780.4	762.5	760.6	762.5
15°	924.9	905.1	877.4	843.7	806.1	778.4	748.7	717.0	703.1	705.1	707.1
17.5°	940.8	923.0	873.5	820.0	786.3	734.8	701.1	683.3	661.5	661.5	661.5
20°	966.5	936.8	867.5	810.1	730.8	693.2	653.6	633.8	612.0	574.4	570.4
22.5°	1000.2	962.6	865.5	780.4	709.1	647.7	590.2	528.8	497.1	475.3	469.4
25°	1041.8	998.2	879.4	766.5	667.5	592.2	518.9	435.7	376.3	364.4	364.4
27.5°	1113.1	1043.8	897.2	752.6	643.7	530.8	415.9	342.6	291.2	275.3	273.3
30°	1182.4	1101.2	903.2	738.8	598.1	447.6	320.9	243.6	198.1	178.3	174.3
32.5°	1291.4	1180.4	954.7	726.9	546.7	360.5	227.8	154.5	116.9	105.0	103.0
35°	1402.3	1287.4	972.5	695.2	453.6	263.4	130.7	83.2	63.4	53.5	51.5
37.5°	1544.9	1422.1	1026.0	661.5	360.5	150.5	73.3	45.6	39.6	39.6	39.6
40°	1628.1	1481.5	1073.5	618.0	247.6	77.2	43.6	35.7	35.7	33.7	33.7
42.5°	1735.0	1554.8	1115.1	532.8	130.7	47.5	37.6	33.7	29.7	29.7	29.7
45°	1796.4	1602.3	1101.2	427.8	61.4	43.6	35.7	29.7	27.7	27.7	27.7
47.5°	1871.7	1661.7	1071.5	316.9	53.5	39.6	33.7	27.7	25.7	27.7	27.7
50°	1946.9	1721.2	996.3	243.6	49.5	37.6	29.7	23.8	23.8	25.7	25.7
52.5°	1984.6	1762.8	907.1	168.4	49.5	35.7	27.7	23.8	21.8	21.8	21.8
55°	2028.2	1772.7	831.9	110.9	47.5	33.7	25.7	19.8	19.8	17.8	17.8
57.5°	2051.9	1746.9	776.4	93.1	45.6	31.7	23.8	17.8	15.8	13.9	13.9
60°	2042.0	1709.3	728.9	81.2	41.6	29.7	21.8	15.8	11.9	9.9	9.9
62.5°	2022.2	1677.6	641.7	71.3	39.6	25.7	17.8	13.9	9.9	7.9	7.9
65°	2000.4	1592.4	540.7	61.4	35.7	23.8	15.8	11.9	7.9	5.9	5.9
67.5°	1899.4	1479.5	396.1	55.5	33.7	21.8	13.9	9.9	7.9	5.9	5.9
70°	1766.7	1291.4	255.5	47.5	29.7	19.8	13.9	7.9	5.9	4.0	4.0
72.5°	1503.3	1053.7	128.7	41.6	27.7	19.8	11.9	7.9	5.9	4.0	2.0
75°	1228.0	786.3	83.2	35.7	25.7	19.8	11.9	7.9	4.0	2.0	2.0
77.5°	879.4	425.8	63.4	31.7	21.8	19.8	9.9	5.9	4.0	4.0	2.0
80°	366.4	154.5	51.5	25.7	19.8	17.8	9.9	5.9	4.0	4.0	2.0
82.5°	154.5	107.0	45.6	21.8	17.8	17.8	7.9	5.9	4.0	4.0	4.0
85°	120.8	89.1	39.6	19.8	15.8	19.8	7.9	5.9	5.9	5.9	5.9
87.5°	112.9	91.1	35.7	17.8	15.8	13.9	7.9	5.9	9.9	9.9	11.9
90°	126.8	95.1	27.7	15.8	13.9	11.9	5.9	4.0	4.0	0.0	0.0
92.5°	116.9	87.1	19.8	11.9	17.8	7.9	4.0	0.0	0.0	0.0	0.0
95°	101.0	73.3	11.9	7.9	19.8	9.9	2.0	0.0	0.0	0.0	0.0
97.5°	75.3	53.5	7.9	4.0	15.8	11.9	2.0	0.0	0.0	0.0	0.0
100°	53.5	33.7	5.9	4.0	9.9	11.9	2.0	0.0	0.0	0.0	0.0
102.5°	29.7	17.8	4.0	2.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
105°	13.9	5.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691520  
 CATALOG NUMBER: CRTK2-C016-D-U-T3-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	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

(END OF REPORT)