

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: P691212

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691212  
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-C015-5TLD-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: 4460.9 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U2 - G2

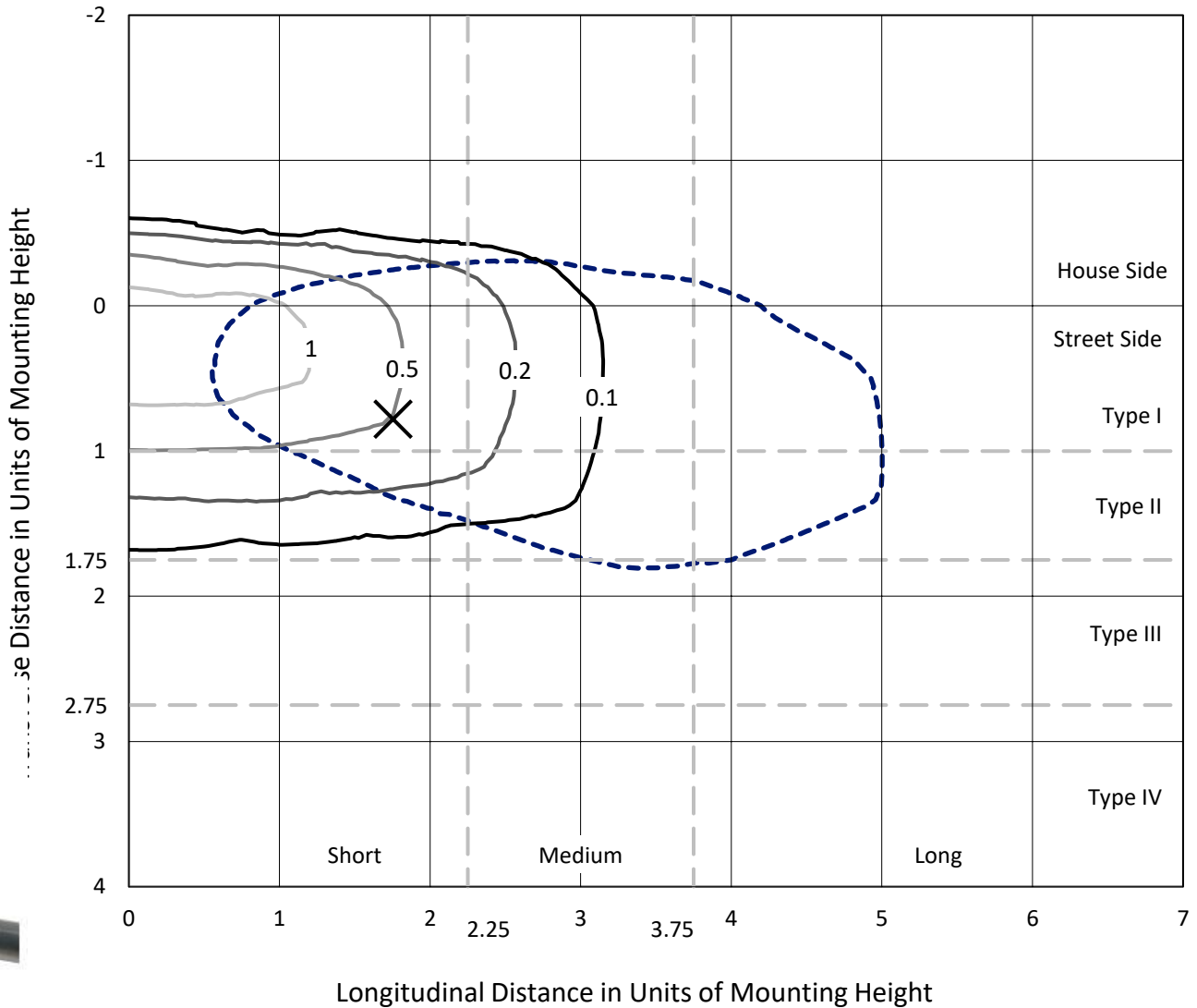
Input Watts (W): 32.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

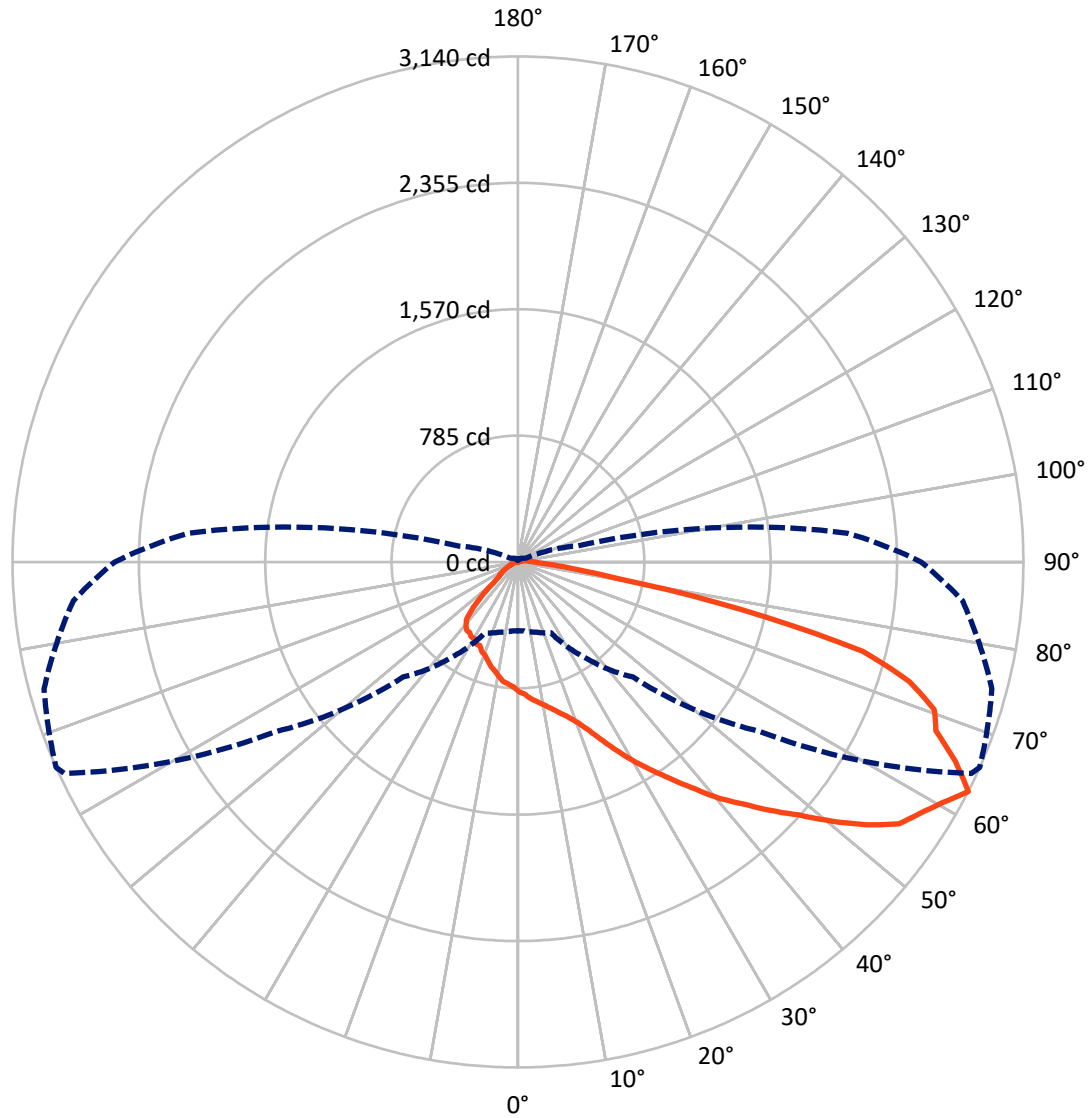
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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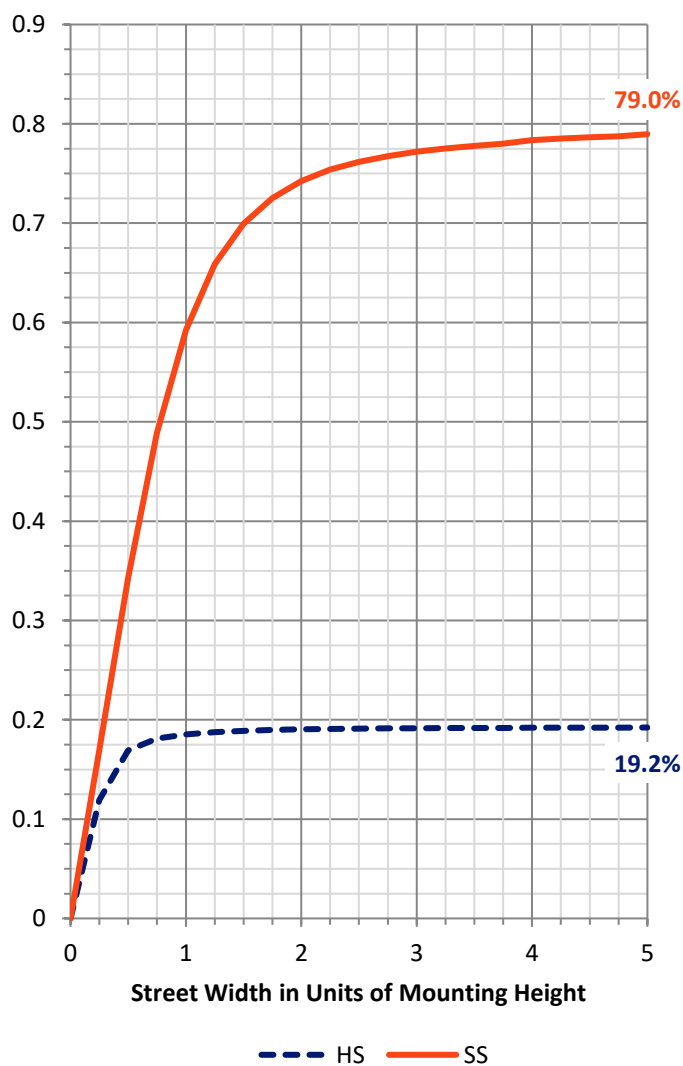
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	869.7	12.2	881.9
	% Fixture	19.5	0.3	19.8
<b>Street Side</b>	Lumens	3545.0	34.0	3579.0
	% Fixture	79.5	0.8	80.2
<b>Total</b>	Lumens	4414.7	46.2	4460.9
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.6	1.7
10°-20°	224.5	5.0
20°-30°	377.7	8.5
30°-40°	561.7	12.6
40°-50°	743.1	16.7
50°-60°	865.3	19.4
60°-70°	863.8	19.4
70°-80°	579.7	13.0
80°-90°	122.5	2.7
90°-100°	37.3	0.8
100°-110°	6.5	0.1
110°-120°	0.5	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	4414.7	99.0
0°-180°	4460.9	100.0

**Coefficient of Utilization**



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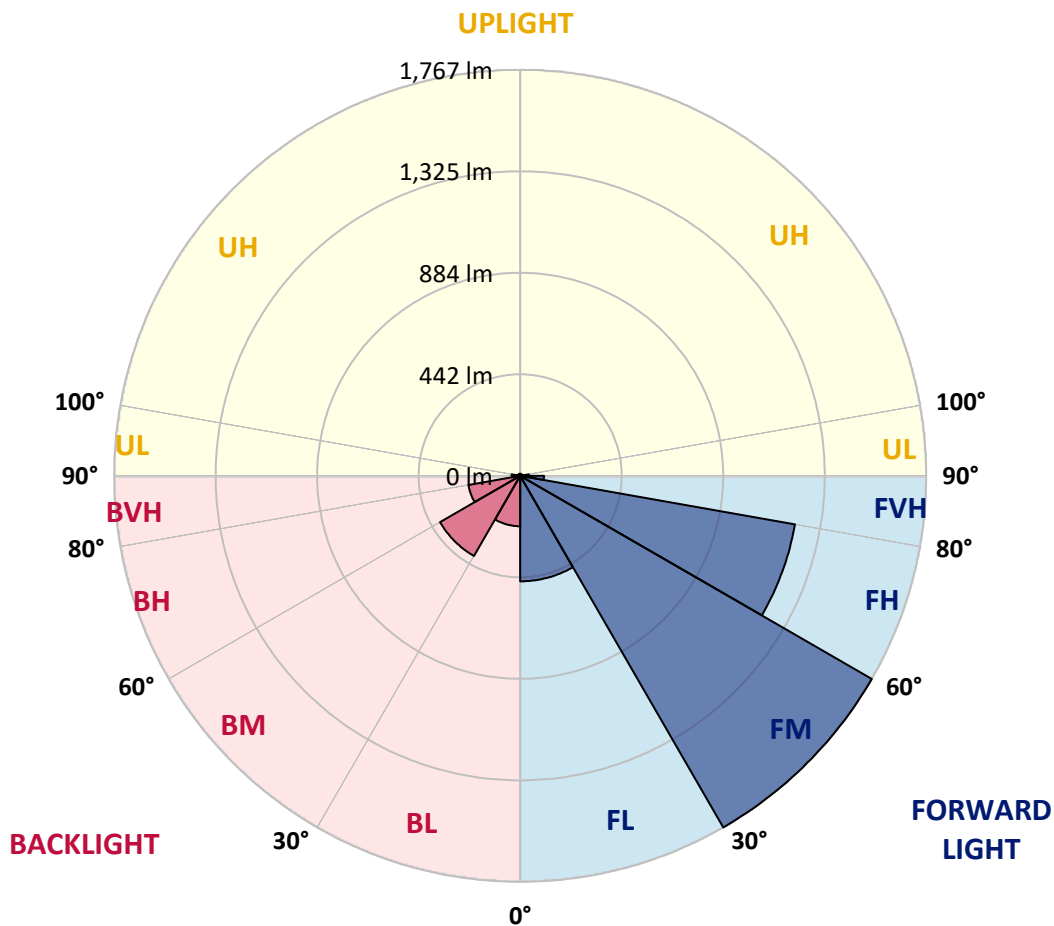
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.3	10.3			
FM (30°-60°)	1767.3	39.6			
FH (60°-80°)	1214.8	27.2			G1/1800
FVH (80°-90°)	103.6	2.3			G2/225
BL (0°-30°)	219.4	4.9	B1/500		
BM (30°-60°)	402.7	9.0	B1/1000		
BH (60°-80°)	228.7	5.1	B1/500		G1/500
BVH (80°-90°)	18.8	0.4			G1/100
UL (90°-100°)	37.3	0.8		U2/50	
UH (100°-180°)	8.9	0.2		U1/10	

**BUG Rating: B1-U2-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	860.4	855.4	857.1	848.8	840.6	835.6	830.7	822.4	822.4	815.9	807.6
5°	921.3	923.0	921.3	911.5	901.6	886.7	868.6	853.8	853.8	838.9	819.2
7.5°	962.5	960.9	960.9	949.4	942.8	934.5	913.1	880.1	878.5	858.7	834.0
10°	979.0	980.7	987.3	970.8	964.2	952.7	941.1	908.2	904.9	871.9	832.3
12.5°	1015.3	1016.9	1013.6	1000.5	992.2	984.0	965.8	937.8	934.5	898.3	843.9
15°	1058.1	1058.1	1053.2	1040.0	1035.1	1023.5	1002.1	975.7	972.4	931.2	865.3
17.5°	1081.2	1084.5	1084.5	1066.4	1068.0	1063.1	1051.5	1016.9	1012.0	974.1	895.0
20°	1092.8	1094.4	1097.7	1097.7	1096.0	1094.4	1101.0	1069.7	1066.4	1021.9	929.6
22.5°	1125.7	1129.0	1137.3	1132.3	1137.3	1143.8	1145.5	1143.8	1138.9	1091.1	987.3
25°	1140.5	1150.4	1162.0	1176.8	1191.6	1201.5	1224.6	1236.1	1232.8	1186.7	1077.9
27.5°	1124.1	1134.0	1175.2	1203.2	1249.3	1277.3	1320.2	1338.3	1336.7	1298.8	1171.9
30°	1152.1	1155.4	1173.5	1213.1	1272.4	1349.9	1409.2	1437.2	1443.8	1409.2	1270.8
32.5°	1110.9	1122.4	1173.5	1247.7	1336.7	1419.1	1476.8	1539.4	1547.7	1532.8	1401.0
35°	1107.6	1115.8	1143.8	1224.6	1338.3	1491.6	1570.7	1656.4	1663.0	1668.0	1532.8
37.5°	1061.4	1073.0	1129.0	1231.2	1387.8	1539.4	1649.8	1773.5	1789.9	1809.7	1643.2
40°	1010.3	1018.6	1066.4	1175.2	1376.2	1595.5	1725.7	1915.2	1931.7	1956.4	1789.9
42.5°	934.5	952.7	1033.4	1150.4	1369.6	1611.9	1801.5	2040.5	2055.3	2089.9	1913.6
45°	866.9	875.2	937.8	1066.4	1316.9	1641.6	1865.8	2187.2	2202.0	2218.5	2010.8
47.5°	814.2	824.1	883.4	998.8	1264.2	1635.0	1925.1	2332.2	2348.7	2386.6	2131.1
50°	646.1	670.8	820.8	932.9	1176.8	1621.8	1976.2	2493.7	2531.6	2546.5	2256.4
52.5°	555.4	563.7	641.1	873.5	1091.1	1574.0	2020.7	2670.1	2712.9	2684.9	2424.5
55°	517.5	522.5	560.4	756.5	1013.6	1476.8	2056.9	2839.8	2871.2	2782.1	2548.1
57.5°	489.5	497.8	514.2	613.1	923.0	1313.6	2058.6	2933.8	2945.3	2862.9	2607.4
60°	453.3	456.5	491.2	534.0	820.8	1143.8	2002.6	2981.6	3032.7	2956.9	2727.8
62.5°	426.9	430.2	451.6	486.2	723.6	1010.3	1837.7	3108.5	3139.8	3047.5	2772.3
65°	393.9	398.9	417.0	451.6	656.0	929.6	1755.3	3075.5	2984.9	3026.1	2823.4
67.5°	359.3	362.6	382.4	408.8	558.7	852.1	1550.9	2866.2	2800.3	2918.9	2686.6
70°	323.0	326.3	344.5	362.6	459.8	756.5	1292.2	2688.2	2744.2	2750.8	2558.0
72.5°	285.1	288.4	304.9	319.7	380.7	636.2	1026.8	2510.2	2544.8	2444.3	2259.7
75°	247.2	248.9	262.1	276.9	316.5	512.6	735.1	2081.7	2213.5	2335.5	1949.8
77.5°	199.4	202.7	215.9	220.9	253.8	413.7	476.3	1237.8	1410.9	2043.8	1750.4
80°	146.7	148.3	161.5	159.9	189.5	301.6	300.0	588.4	632.9	1262.5	1285.6
82.5°	97.2	100.5	112.1	108.8	128.6	182.9	187.9	316.5	337.9	489.5	563.7
85°	77.5	79.1	85.7	79.1	85.7	92.3	103.8	191.2	194.5	290.1	288.4
87.5°	62.6	64.3	70.9	65.9	67.6	70.9	82.4	122.0	125.3	182.9	189.5
90°	49.4	51.1	59.3	54.4	54.4	59.3	69.2	90.7	95.6	143.4	154.9
92.5°	33.0	33.0	37.9	36.3	36.3	42.9	61.0	67.6	72.5	133.5	140.1
95°	24.7	24.7	26.4	26.4	26.4	31.3	46.1	64.3	70.9	130.2	126.9
97.5°	16.5	16.5	18.1	18.1	18.1	19.8	26.4	52.7	59.3	105.5	103.8
100°	11.5	11.5	11.5	9.9	9.9	9.9	14.8	34.6	39.6	67.6	67.6
102.5°	8.2	6.6	6.6	6.6	4.9	4.9	6.6	16.5	18.1	36.3	34.6
105°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	6.6	6.6	14.8	14.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
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°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	802.7	797.7	786.2	776.3	768.1	759.8	746.6	741.7	738.4	743.3	743.3
5°	807.6	794.4	774.7	758.2	743.3	725.2	705.4	693.9	684.0	688.9	688.9
7.5°	815.9	797.7	773.0	745.0	707.1	675.8	651.0	636.2	628.0	632.9	636.2
10°	810.9	791.1	758.2	715.3	670.8	637.9	606.5	583.5	575.2	571.9	575.2
12.5°	815.9	792.8	736.7	685.6	642.8	590.1	552.1	527.4	517.5	517.5	517.5
15°	832.3	797.7	723.6	664.2	598.3	547.2	507.6	481.3	478.0	466.4	466.4
17.5°	855.4	802.7	718.6	631.3	558.7	506.0	459.8	433.5	425.2	426.9	426.9
20°	878.5	812.6	708.7	603.2	522.5	459.8	412.0	387.3	367.5	361.0	364.3
22.5°	918.0	840.6	700.5	588.4	481.3	421.9	369.2	328.0	295.0	285.1	280.2
25°	975.7	885.1	712.0	553.8	456.5	379.1	316.5	258.8	219.2	209.3	207.7
27.5°	1081.2	954.3	725.2	553.8	417.0	341.2	252.2	191.2	159.9	150.0	153.3
30°	1180.1	1048.3	763.1	524.1	400.5	273.6	187.9	143.4	115.4	103.8	107.1
32.5°	1262.5	1137.3	815.9	517.5	352.7	202.7	136.8	100.5	80.8	74.2	75.8
35°	1381.2	1213.1	857.1	494.5	290.1	148.3	95.6	70.9	62.6	59.3	59.3
37.5°	1494.9	1305.4	898.3	489.5	214.3	108.8	64.3	57.7	56.0	51.1	51.1
40°	1603.7	1399.3	916.4	461.5	151.6	70.9	54.4	52.7	51.1	46.1	46.1
42.5°	1737.2	1490.0	932.9	425.2	105.5	52.7	47.8	49.4	47.8	42.9	41.2
45°	1839.4	1550.9	937.8	332.9	67.6	49.4	44.5	46.1	44.5	39.6	39.6
47.5°	1925.1	1633.4	918.0	227.5	56.0	46.1	41.2	42.9	41.2	37.9	36.3
50°	2012.4	1709.2	899.9	122.0	52.7	44.5	39.6	36.3	37.9	34.6	33.0
52.5°	2131.1	1765.2	852.1	74.2	49.4	41.2	36.3	33.0	33.0	29.7	31.3
55°	2294.3	1903.7	763.1	69.2	47.8	39.6	34.6	29.7	29.7	26.4	26.4
57.5°	2366.8	1958.1	619.7	62.6	46.1	39.6	31.3	26.4	23.1	21.4	19.8
60°	2455.8	2038.8	487.9	57.7	42.9	37.9	28.0	23.1	18.1	16.5	16.5
62.5°	2505.3	2055.3	380.7	52.7	41.2	33.0	24.7	18.1	14.8	11.5	11.5
65°	2530.0	2043.8	253.8	47.8	37.9	31.3	21.4	14.8	9.9	8.2	8.2
67.5°	2436.0	1982.8	146.7	44.5	36.3	28.0	18.1	11.5	8.2	6.6	4.9
70°	2276.2	1804.8	92.3	39.6	34.6	24.7	16.5	9.9	6.6	4.9	3.3
72.5°	2088.3	1473.5	67.6	36.3	33.0	21.4	13.2	8.2	4.9	3.3	3.3
75°	1907.0	1283.9	57.7	31.3	28.0	18.1	11.5	6.6	4.9	3.3	1.6
77.5°	1364.7	875.2	51.1	28.0	24.7	14.8	8.2	6.6	3.3	1.6	1.6
80°	969.1	514.2	46.1	23.1	19.8	11.5	8.2	4.9	3.3	1.6	1.6
82.5°	464.8	267.0	44.5	19.8	14.8	9.9	6.6	4.9	3.3	1.6	1.6
85°	211.0	113.7	33.0	18.1	13.2	9.9	6.6	4.9	3.3	3.3	1.6
87.5°	128.6	59.3	26.4	14.8	9.9	8.2	4.9	3.3	3.3	3.3	3.3
90°	120.3	77.5	19.8	11.5	8.2	6.6	4.9	1.6	0.0	0.0	0.0
92.5°	115.4	89.0	14.8	8.2	4.9	4.9	1.6	0.0	0.0	0.0	0.0
95°	108.8	84.1	16.5	4.9	8.2	3.3	1.6	0.0	0.0	0.0	0.0
97.5°	85.7	65.9	18.1	4.9	41.2	3.3	1.6	0.0	0.0	0.0	0.0
100°	54.4	41.2	13.2	4.9	49.4	3.3	0.0	0.0	0.0	0.0	0.0
102.5°	31.3	23.1	6.6	4.9	14.8	1.6	0.0	0.0	0.0	0.0	0.0
105°	13.2	11.5	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691212  
 CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.6	1.6	1.6	1.6	1.6	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)