

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: P691028

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691028
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-C013-5TLD-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: 3236 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

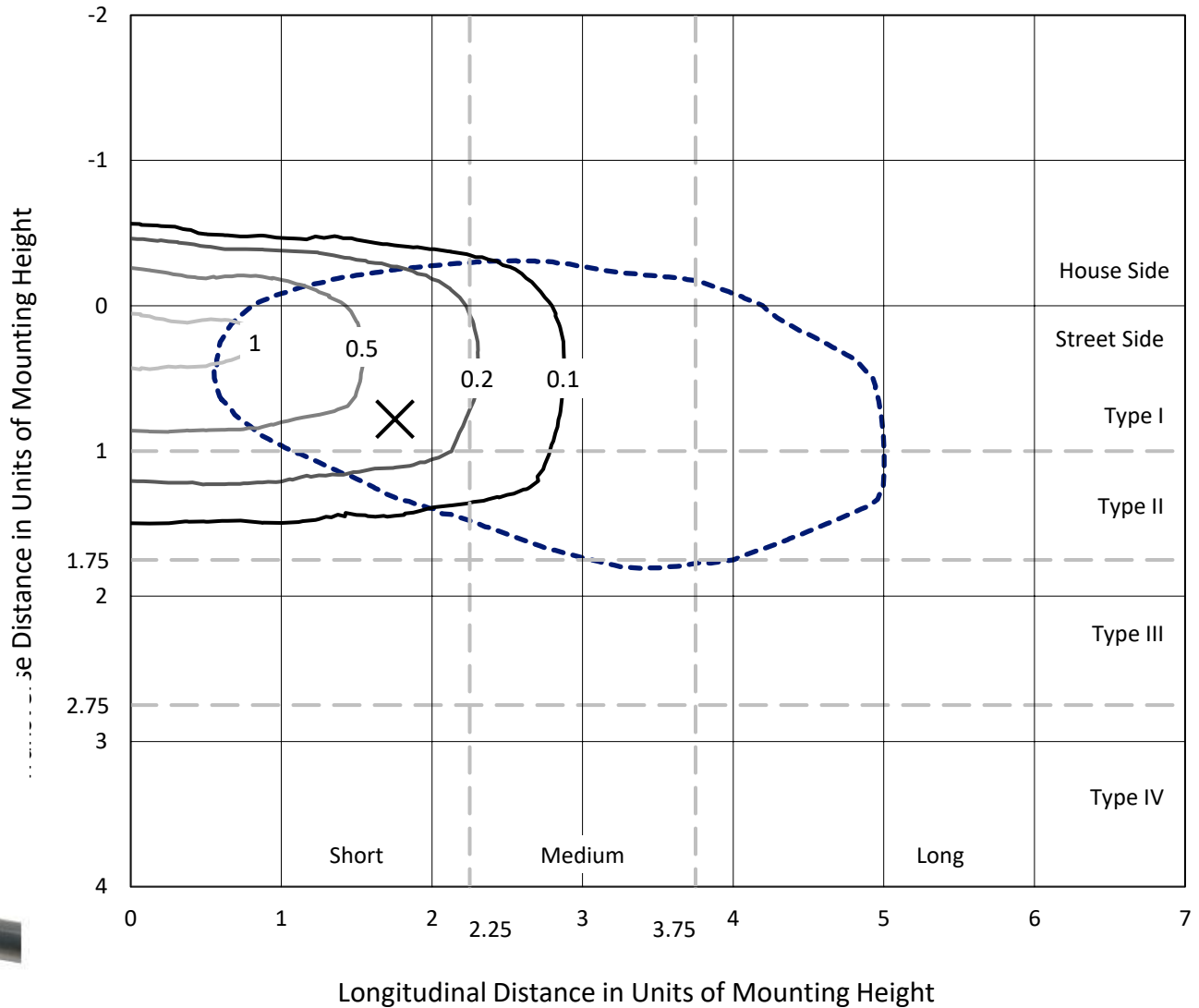
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

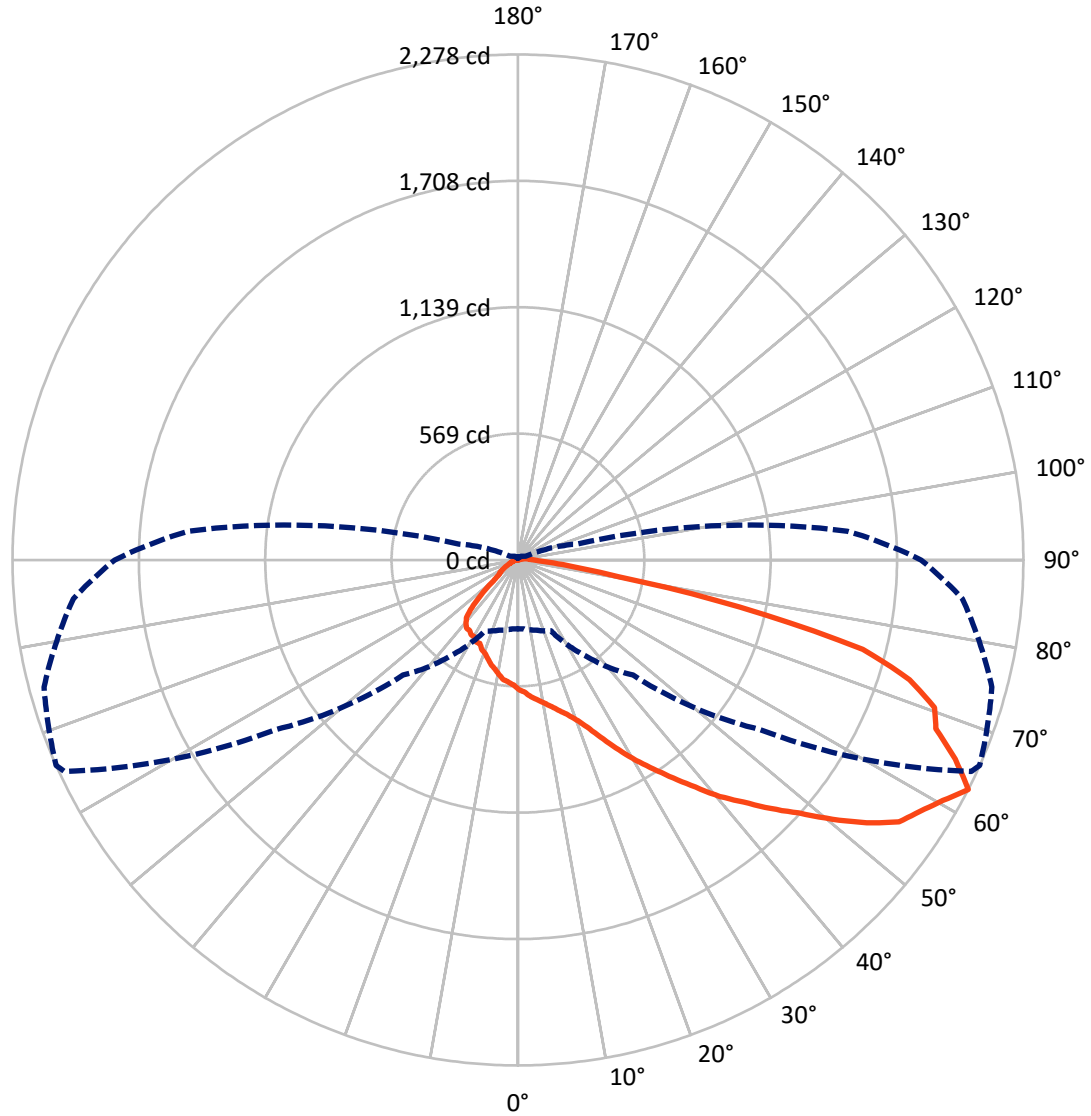
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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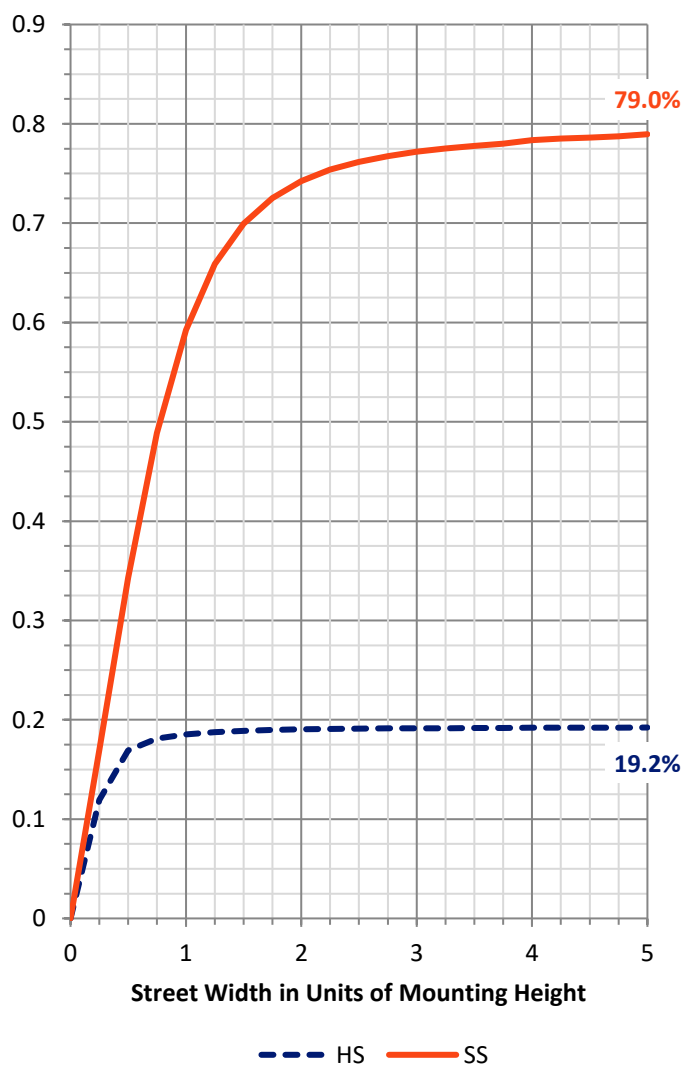
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.9	8.9	639.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2571.5	24.7	2596.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	3202.4	33.6	3236.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.7
10°-20°	162.8	5.0
20°-30°	274.0	8.5
30°-40°	407.4	12.6
40°-50°	539.1	16.7
50°-60°	627.7	19.4
60°-70°	626.6	19.4
70°-80°	420.5	13.0
80°-90°	88.9	2.7
90°-100°	27.1	0.8
100°-110°	4.7	0.1
110°-120°	0.3	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3202.4	99.0
0°-180°	3236.0	100.0

Coefficient of Utilization



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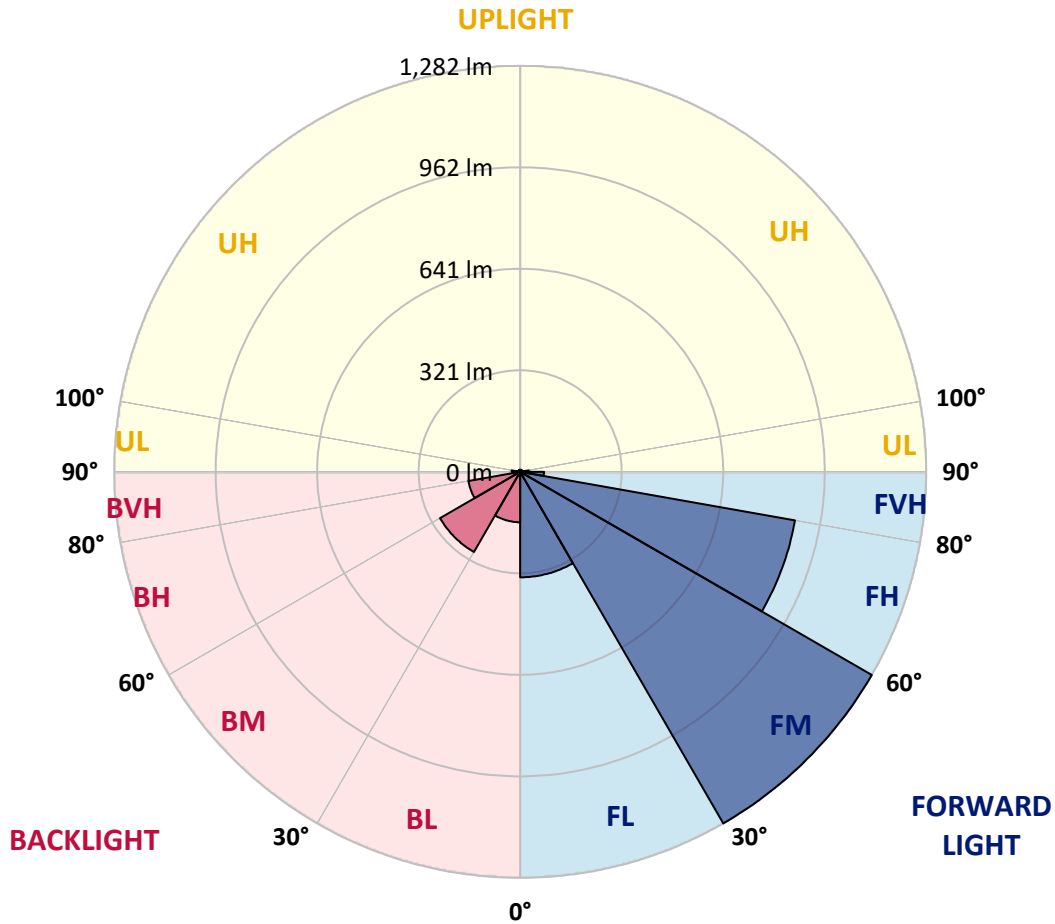
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.2	10.3			
FM (30°-60°)	1282.0	39.6			
FH (60°-80°)	881.2	27.2			G1/1800
FVH (80°-90°)	75.2	2.3			G1/100
BL (0°-30°)	159.2	4.9	B1/500		
BM (30°-60°)	292.2	9.0	B1/1000		
BH (60°-80°)	165.9	5.1	B1/500		G1/500
BVH (80°-90°)	13.7	0.4			G1/100
UL (90°-100°)	27.1	0.8		U2/50	
UH (100°-180°)	6.5	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6
2.5°	624.1	620.5	621.7	615.7	609.8	606.2	602.6	596.6	596.6	591.8	585.8
5°	668.3	669.5	668.3	661.2	654.0	643.2	630.1	619.3	619.3	608.6	594.2
7.5°	698.2	697.0	697.0	688.7	683.9	677.9	662.4	638.4	637.3	622.9	605.0
10°	710.2	711.4	716.2	704.2	699.4	691.1	682.7	658.8	656.4	632.5	603.8
12.5°	736.5	737.7	735.3	725.7	719.7	713.8	700.6	680.3	677.9	651.6	612.1
15°	767.6	767.6	764.0	754.4	750.8	742.5	726.9	707.8	705.4	675.5	627.7
17.5°	784.3	786.7	786.7	773.6	774.7	771.2	762.8	737.7	734.1	706.6	649.2
20°	792.7	793.9	796.3	796.3	795.1	793.9	798.7	775.9	773.6	741.3	674.3
22.5°	816.6	819.0	825.0	821.4	825.0	829.7	830.9	829.7	826.2	791.5	716.2
25°	827.4	834.5	842.9	853.7	864.4	871.6	888.3	896.7	894.3	860.8	781.9
27.5°	815.4	822.6	852.5	872.8	906.3	926.6	957.7	970.8	969.6	942.1	850.1
30°	835.7	838.1	851.3	880.0	923.0	979.2	1022.2	1042.6	1047.3	1022.2	921.8
32.5°	805.8	814.2	851.3	905.1	969.6	1029.4	1071.3	1116.7	1122.7	1111.9	1016.3
35°	803.4	809.4	829.7	888.3	970.8	1082.0	1139.4	1201.6	1206.4	1209.9	1111.9
37.5°	770.0	778.3	819.0	893.1	1006.7	1116.7	1196.8	1286.5	1298.4	1312.8	1192.0
40°	732.9	738.9	773.6	852.5	998.3	1157.3	1251.8	1389.3	1401.2	1419.2	1298.4
42.5°	677.9	691.1	749.6	834.5	993.5	1169.3	1306.8	1480.1	1490.9	1516.0	1388.1
45°	628.9	634.9	680.3	773.6	955.3	1190.8	1353.4	1586.6	1597.3	1609.3	1458.6
47.5°	590.6	597.8	640.8	724.5	917.0	1186.0	1396.5	1691.8	1703.7	1731.2	1545.9
50°	468.7	486.6	595.4	676.7	853.7	1176.5	1433.5	1808.9	1836.4	1847.2	1636.8
52.5°	402.9	408.9	465.1	633.7	791.5	1141.8	1465.8	1936.9	1967.9	1947.6	1758.7
55°	375.4	379.0	406.5	548.8	735.3	1071.3	1492.1	2060.0	2082.7	2018.2	1848.4
57.5°	355.1	361.1	373.0	444.8	669.5	952.9	1493.3	2128.2	2136.5	2076.7	1891.4
60°	328.8	331.2	356.3	387.4	595.4	829.7	1452.6	2162.8	2199.9	2144.9	1978.7
62.5°	309.7	312.1	327.6	352.7	524.9	732.9	1333.1	2254.9	2277.6	2210.7	2011.0
65°	285.7	289.3	302.5	327.6	475.8	674.3	1273.3	2231.0	2165.2	2195.1	2048.1
67.5°	260.6	263.0	277.4	296.5	405.3	618.1	1125.1	2079.1	2031.3	2117.4	1948.8
70°	234.3	236.7	249.9	263.0	333.6	548.8	937.3	1950.0	1990.7	1995.4	1855.6
72.5°	206.8	209.2	221.2	231.9	276.2	461.5	744.9	1820.9	1846.0	1773.1	1639.2
75°	179.3	180.5	190.1	200.9	229.6	371.8	533.2	1510.0	1605.7	1694.2	1414.4
77.5°	144.7	147.1	156.6	160.2	184.1	300.1	345.5	897.9	1023.4	1482.5	1269.7
80°	106.4	107.6	117.2	116.0	137.5	218.8	217.6	426.8	459.1	915.8	932.6
82.5°	70.5	72.9	81.3	78.9	93.3	132.7	136.3	229.6	245.1	355.1	408.9
85°	56.2	57.4	62.2	57.4	62.2	67.0	75.3	138.7	141.1	210.4	209.2
87.5°	45.4	46.6	51.4	47.8	49.0	51.4	59.8	88.5	90.9	132.7	137.5
90°	35.9	37.1	43.0	39.5	39.5	43.0	50.2	65.8	69.3	104.0	112.4
92.5°	23.9	23.9	27.5	26.3	26.3	31.1	44.2	49.0	52.6	96.8	101.6
95°	17.9	17.9	19.1	19.1	19.1	22.7	33.5	46.6	51.4	94.5	92.1
97.5°	12.0	12.0	13.2	13.2	13.2	14.3	19.1	38.3	43.0	76.5	75.3
100°	8.4	8.4	8.4	7.2	7.2	7.2	10.8	25.1	28.7	49.0	49.0
102.5°	6.0	4.8	4.8	4.8	3.6	3.6	4.8	12.0	13.2	26.3	25.1
105°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	4.8	4.8	10.8	10.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	1.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	1.2
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°	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6	584.6
2.5°	582.3	578.7	570.3	563.1	557.1	551.2	541.6	538.0	535.6	539.2	539.2
5°	585.8	576.3	561.9	550.0	539.2	526.1	511.7	503.3	496.2	499.8	499.8
7.5°	591.8	578.7	560.7	540.4	512.9	490.2	472.3	461.5	455.5	459.1	461.5
10°	588.2	573.9	550.0	518.9	486.6	462.7	440.0	423.2	417.3	414.9	417.3
12.5°	591.8	575.1	534.4	497.4	466.3	428.0	400.5	382.6	375.4	375.4	375.4
15°	603.8	578.7	524.9	481.8	434.0	396.9	368.2	349.1	346.7	338.4	338.4
17.5°	620.5	582.3	521.3	457.9	405.3	367.0	333.6	314.4	308.5	309.7	309.7
20°	637.3	589.4	514.1	437.6	379.0	333.6	298.9	281.0	266.6	261.8	264.2
22.5°	665.9	609.8	508.1	426.8	349.1	306.1	267.8	237.9	214.0	206.8	203.3
25°	707.8	642.0	516.5	401.7	331.2	275.0	229.6	187.7	159.0	151.8	150.6
27.5°	784.3	692.2	526.1	401.7	302.5	247.5	182.9	138.7	116.0	108.8	111.2
30°	856.0	760.4	553.6	380.2	290.5	198.5	136.3	104.0	83.7	75.3	77.7
32.5°	915.8	825.0	591.8	375.4	255.9	147.1	99.2	72.9	58.6	53.8	55.0
35°	1001.9	880.0	621.7	358.7	210.4	107.6	69.3	51.4	45.4	43.0	43.0
37.5°	1084.4	946.9	651.6	355.1	155.4	78.9	46.6	41.8	40.7	37.1	37.1
40°	1163.3	1015.1	664.8	334.8	110.0	51.4	39.5	38.3	37.1	33.5	33.5
42.5°	1260.2	1080.8	676.7	308.5	76.5	38.3	34.7	35.9	34.7	31.1	29.9
45°	1334.3	1125.1	680.3	241.5	49.0	35.9	32.3	33.5	32.3	28.7	28.7
47.5°	1396.5	1184.8	665.9	165.0	40.7	33.5	29.9	31.1	29.9	27.5	26.3
50°	1459.8	1239.8	652.8	88.5	38.3	32.3	28.7	26.3	27.5	25.1	23.9
52.5°	1545.9	1280.5	618.1	53.8	35.9	29.9	26.3	23.9	23.9	21.5	22.7
55°	1664.3	1380.9	553.6	50.2	34.7	28.7	25.1	21.5	21.5	19.1	19.1
57.5°	1716.9	1420.4	449.5	45.4	33.5	28.7	22.7	19.1	16.7	15.5	14.3
60°	1781.4	1479.0	353.9	41.8	31.1	27.5	20.3	16.7	13.2	12.0	12.0
62.5°	1817.3	1490.9	276.2	38.3	29.9	23.9	17.9	13.2	10.8	8.4	8.4
65°	1835.2	1482.5	184.1	34.7	27.5	22.7	15.5	10.8	7.2	6.0	6.0
67.5°	1767.1	1438.3	106.4	32.3	26.3	20.3	13.2	8.4	6.0	4.8	3.6
70°	1651.1	1309.2	67.0	28.7	25.1	17.9	12.0	7.2	4.8	3.6	2.4
72.5°	1514.8	1068.9	49.0	26.3	23.9	15.5	9.6	6.0	3.6	2.4	2.4
75°	1383.3	931.4	41.8	22.7	20.3	13.2	8.4	4.8	3.6	2.4	1.2
77.5°	990.0	634.9	37.1	20.3	17.9	10.8	6.0	4.8	2.4	1.2	1.2
80°	703.0	373.0	33.5	16.7	14.3	8.4	6.0	3.6	2.4	1.2	1.2
82.5°	337.2	193.7	32.3	14.3	10.8	7.2	4.8	3.6	2.4	1.2	1.2
85°	153.0	82.5	23.9	13.2	9.6	7.2	4.8	3.6	2.4	2.4	1.2
87.5°	93.3	43.0	19.1	10.8	7.2	6.0	3.6	2.4	2.4	2.4	2.4
90°	87.3	56.2	14.3	8.4	6.0	4.8	3.6	1.2	0.0	0.0	0.0
92.5°	83.7	64.6	10.8	6.0	3.6	3.6	1.2	0.0	0.0	0.0	0.0
95°	78.9	61.0	12.0	3.6	6.0	2.4	1.2	0.0	0.0	0.0	0.0
97.5°	62.2	47.8	13.2	3.6	29.9	2.4	1.2	0.0	0.0	0.0	0.0
100°	39.5	29.9	9.6	3.6	35.9	2.4	0.0	0.0	0.0	0.0	0.0
102.5°	22.7	16.7	4.8	3.6	10.8	1.2	0.0	0.0	0.0	0.0	0.0
105°	9.6	8.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
107.5°	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
110°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691028
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
115°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
117.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
120°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0
132.5°	1.2	1.2	1.2	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
170°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.2	1.2	1.2	1.2	1.2	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)