

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: P691020

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691020
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-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3199 lumens
Efficiency: N/A
Efficacy: 137.9 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



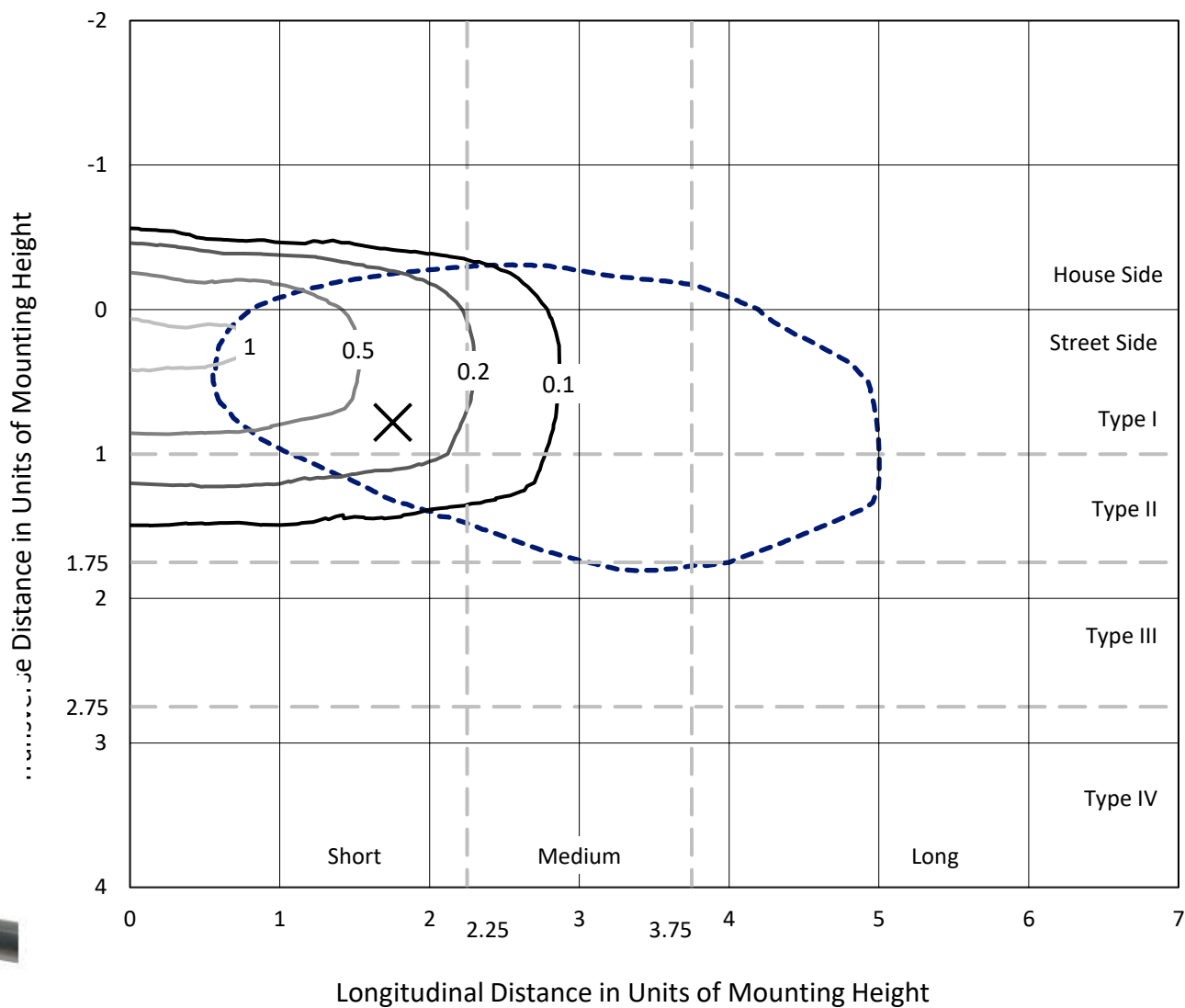
REPORT NUMBER: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

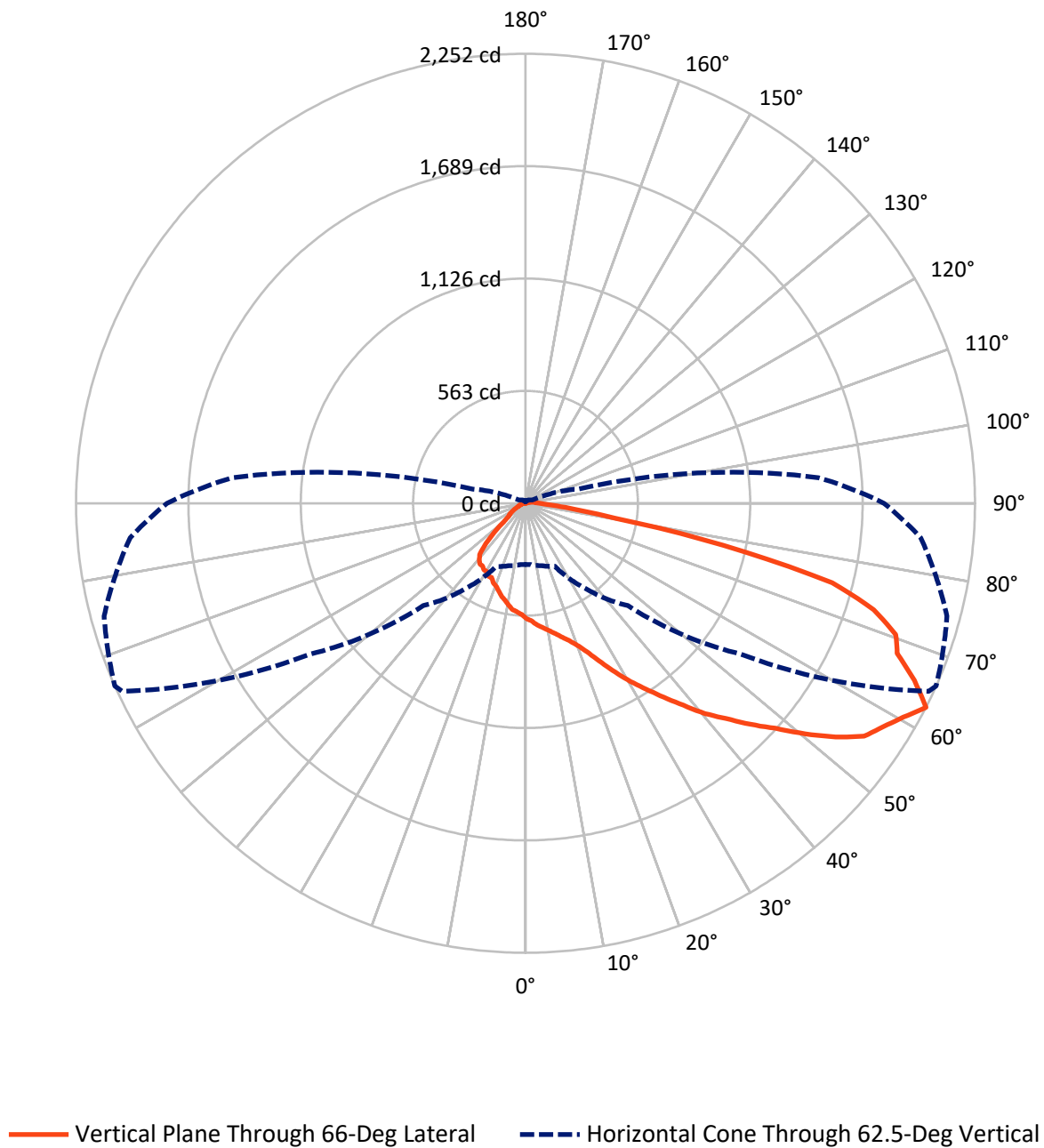


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

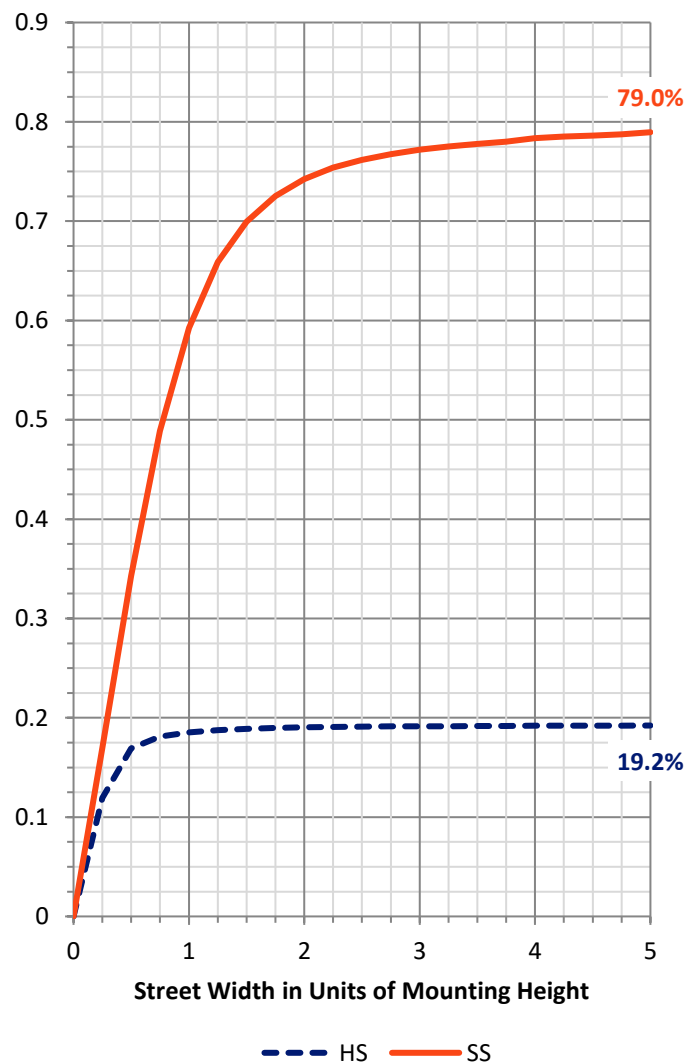
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	623.7	8.8	632.5
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2542.1	24.4	2566.5
	% Fixture	79.5	0.8	80.2
Total	Lumens	3165.8	33.2	3199.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.7
10°-20°	161.0	5.0
20°-30°	270.8	8.5
30°-40°	402.8	12.6
40°-50°	532.9	16.7
50°-60°	620.5	19.4
60°-70°	619.4	19.4
70°-80°	415.7	13.0
80°-90°	87.8	2.7
90°-100°	26.7	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°	3165.8	99.0
0°-180°	3199.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691020

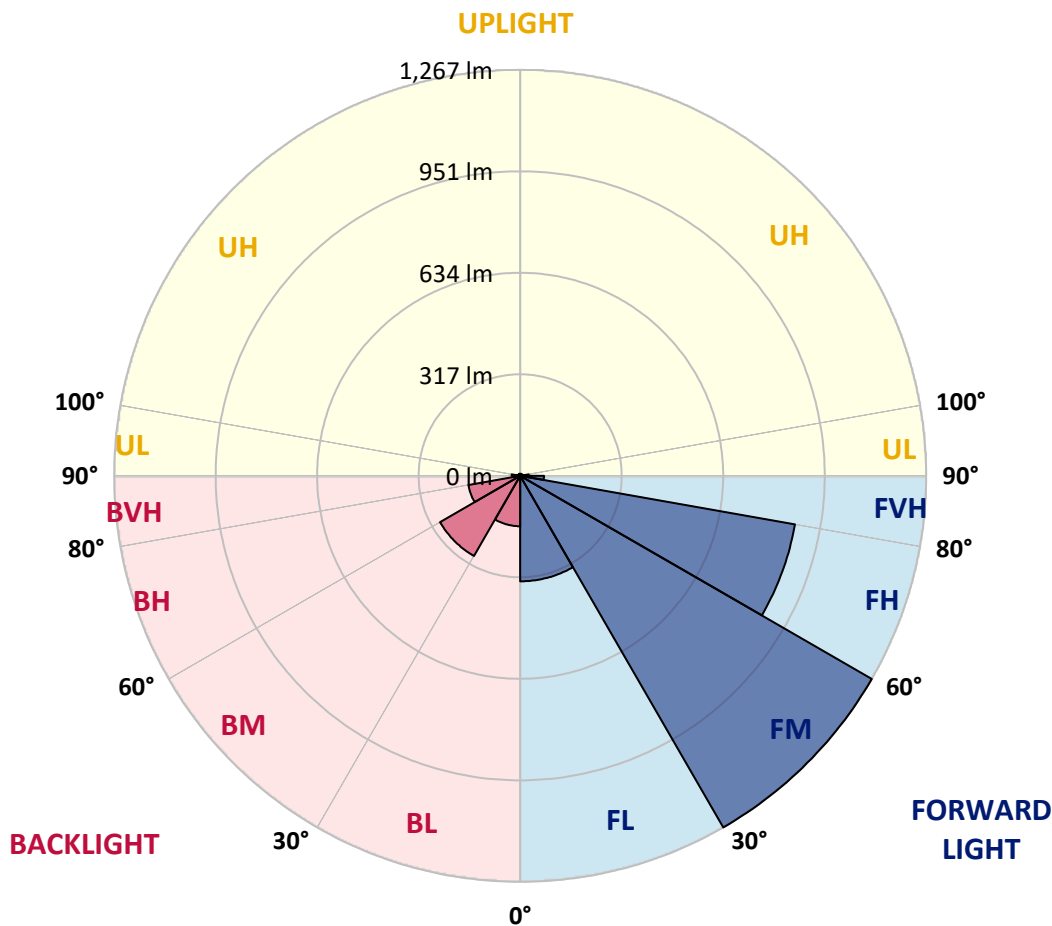
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.3	10.3			
FM	(30°-60°)	1267.3	39.6			
FH	(60°-80°)	871.1	27.2			G1/1800
FVH	(80°-90°)	74.3	2.3			G1/100
BL	(0°-30°)	157.4	4.9	B1/500		
BM	(30°-60°)	288.8	9.0	B1/1000		
BH	(60°-80°)	164.0	5.1	B1/500		G1/500
BVH	(80°-90°)	13.5	0.4			G1/100
UL	(90°-100°)	26.7	0.8		U2/50	
UH	(100°-180°)	6.5	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



REPORT NUMBER: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0
2.5°	617.0	613.4	614.6	608.7	602.8	599.2	595.7	589.8	589.8	585.1	579.1
5°	660.7	661.9	660.7	653.6	646.5	635.9	622.9	612.2	612.2	601.6	587.4
7.5°	690.2	689.1	689.1	680.8	676.1	670.2	654.8	631.1	630.0	615.8	598.1
10°	702.1	703.2	708.0	696.2	691.4	683.2	674.9	651.2	648.9	625.2	596.9
12.5°	728.1	729.2	726.9	717.4	711.5	705.6	692.6	672.5	670.2	644.1	605.1
15°	758.8	758.8	755.3	745.8	742.2	734.0	718.6	699.7	697.3	667.8	620.5
17.5°	775.3	777.7	777.7	764.7	765.9	762.3	754.1	729.2	725.7	698.5	641.8
20°	783.6	784.8	787.2	787.2	786.0	784.8	789.5	767.1	764.7	732.8	666.6
22.5°	807.3	809.6	815.5	812.0	815.5	820.3	821.4	820.3	816.7	782.4	708.0
25°	817.9	825.0	833.3	843.9	854.5	861.6	878.2	886.4	884.1	851.0	773.0
27.5°	806.1	813.2	842.7	862.8	895.9	916.0	946.7	959.7	958.5	931.4	840.3
30°	826.2	828.5	841.5	869.9	912.4	968.0	1010.5	1030.6	1035.4	1010.5	911.3
32.5°	796.6	804.9	841.5	894.7	958.5	1017.6	1059.0	1103.9	1109.8	1099.2	1004.6
35°	794.3	800.2	820.3	878.2	959.7	1069.6	1126.4	1187.8	1192.6	1196.1	1099.2
37.5°	761.2	769.4	809.6	882.9	995.2	1103.9	1183.1	1271.8	1283.6	1297.8	1178.4
40°	724.5	730.4	764.7	842.7	986.9	1144.1	1237.5	1373.4	1385.2	1402.9	1283.6
42.5°	670.2	683.2	741.1	825.0	982.2	1155.9	1291.8	1463.2	1473.9	1498.7	1372.2
45°	621.7	627.6	672.5	764.7	944.4	1177.2	1337.9	1568.4	1579.1	1590.9	1441.9
47.5°	583.9	591.0	633.5	716.2	906.5	1172.5	1380.5	1672.4	1684.2	1711.4	1528.2
50°	463.3	481.0	588.6	669.0	843.9	1163.0	1417.1	1788.3	1815.4	1826.1	1618.1
52.5°	398.3	404.2	459.8	626.4	782.4	1128.7	1449.0	1914.7	1945.4	1925.4	1738.6
55°	371.1	374.7	401.9	542.5	726.9	1059.0	1475.0	2036.5	2058.9	1995.1	1827.3
57.5°	351.0	356.9	368.8	439.7	661.9	942.0	1476.2	2103.8	2112.1	2053.0	1869.8
60°	325.0	327.4	352.2	382.9	588.6	820.3	1436.0	2138.1	2174.7	2120.4	1956.1
62.5°	306.1	308.5	323.8	348.7	518.9	724.5	1317.8	2229.1	2251.6	2185.4	1988.0
65°	282.5	286.0	299.0	323.8	470.4	666.6	1258.8	2205.5	2140.5	2170.0	2024.6
67.5°	257.7	260.0	274.2	293.1	400.7	611.1	1112.2	2055.4	2008.1	2093.2	1926.5
70°	231.7	234.0	247.0	260.0	329.8	542.5	926.6	1927.7	1967.9	1972.6	1834.3
72.5°	204.5	206.8	218.7	229.3	273.0	456.2	736.3	1800.1	1824.9	1752.8	1620.4
75°	177.3	178.5	187.9	198.6	226.9	367.6	527.1	1492.8	1587.3	1674.8	1398.2
77.5°	143.0	145.4	154.8	158.4	182.0	296.7	341.6	887.6	1011.7	1465.6	1255.2
80°	105.2	106.4	115.8	114.6	135.9	216.3	215.1	421.9	453.9	905.4	921.9
82.5°	69.7	72.1	80.4	78.0	92.2	131.2	134.7	226.9	242.3	351.0	404.2
85°	55.6	56.7	61.5	56.7	61.5	66.2	74.5	137.1	139.5	208.0	206.8
87.5°	44.9	46.1	50.8	47.3	48.5	50.8	59.1	87.5	89.8	131.2	135.9
90°	35.5	36.6	42.5	39.0	39.0	42.5	49.6	65.0	68.6	102.8	111.1
92.5°	23.6	23.6	27.2	26.0	26.0	30.7	43.7	48.5	52.0	95.7	100.5
95°	17.7	17.7	18.9	18.9	18.9	22.5	33.1	46.1	50.8	93.4	91.0
97.5°	11.8	11.8	13.0	13.0	13.0	14.2	18.9	37.8	42.5	75.6	74.5
100°	8.3	8.3	8.3	7.1	7.1	7.1	10.6	24.8	28.4	48.5	48.5
102.5°	5.9	4.7	4.7	4.7	3.5	3.5	4.7	11.8	13.0	26.0	24.8
105°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	4.7	4.7	10.6	10.6
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

REPORT NUMBER: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

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

REPORT NUMBER: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0	578.0
2.5°	575.6	572.1	563.8	556.7	550.8	544.9	535.4	531.9	529.5	533.0	533.0
5°	579.1	569.7	555.5	543.7	533.0	520.0	505.9	497.6	490.5	494.0	494.0
7.5°	585.1	572.1	554.3	534.2	507.0	484.6	466.9	456.2	450.3	453.9	456.2
10°	581.5	567.3	543.7	513.0	481.0	457.4	434.9	418.4	412.5	410.1	412.5
12.5°	585.1	568.5	528.3	491.7	461.0	423.1	395.9	378.2	371.1	371.1	371.1
15°	596.9	572.1	518.9	476.3	429.0	392.4	364.0	345.1	342.8	334.5	334.5
17.5°	613.4	575.6	515.3	452.7	400.7	362.9	329.8	310.8	304.9	306.1	306.1
20°	630.0	582.7	508.2	432.6	374.7	329.8	295.5	277.8	263.6	258.8	261.2
22.5°	658.3	602.8	502.3	421.9	345.1	302.6	264.8	235.2	211.6	204.5	200.9
25°	699.7	634.7	510.6	397.1	327.4	271.8	226.9	185.6	157.2	150.1	148.9
27.5°	775.3	684.3	520.0	397.1	299.0	244.7	180.8	137.1	114.6	107.6	109.9
30°	846.3	751.7	547.2	375.9	287.2	196.2	134.7	102.8	82.7	74.5	76.8
32.5°	905.4	815.5	585.1	371.1	252.9	145.4	98.1	72.1	57.9	53.2	54.4
35°	990.5	869.9	614.6	354.6	208.0	106.4	68.6	50.8	44.9	42.5	42.5
37.5°	1072.0	936.1	644.1	351.0	153.7	78.0	46.1	41.4	40.2	36.6	36.6
40°	1150.0	1003.5	657.2	330.9	108.7	50.8	39.0	37.8	36.6	33.1	33.1
42.5°	1245.7	1068.5	669.0	304.9	75.6	37.8	34.3	35.5	34.3	30.7	29.5
45°	1319.0	1112.2	672.5	238.7	48.5	35.5	31.9	33.1	31.9	28.4	28.4
47.5°	1380.5	1171.3	658.3	163.1	40.2	33.1	29.5	30.7	29.5	27.2	26.0
50°	1443.1	1225.7	645.3	87.5	37.8	31.9	28.4	26.0	27.2	24.8	23.6
52.5°	1528.2	1265.8	611.1	53.2	35.5	29.5	26.0	23.6	23.6	21.3	22.5
55°	1645.2	1365.1	547.2	49.6	34.3	28.4	24.8	21.3	21.3	18.9	18.9
57.5°	1697.2	1404.1	444.4	44.9	33.1	28.4	22.5	18.9	16.5	15.4	14.2
60°	1761.1	1462.0	349.8	41.4	30.7	27.2	20.1	16.5	13.0	11.8	11.8
62.5°	1796.5	1473.9	273.0	37.8	29.5	23.6	17.7	13.0	10.6	8.3	8.3
65°	1814.3	1465.6	182.0	34.3	27.2	22.5	15.4	10.6	7.1	5.9	5.9
67.5°	1746.9	1421.9	105.2	31.9	26.0	20.1	13.0	8.3	5.9	4.7	3.5
70°	1632.2	1294.2	66.2	28.4	24.8	17.7	11.8	7.1	4.7	3.5	2.4
72.5°	1497.5	1056.6	48.5	26.0	23.6	15.4	9.5	5.9	3.5	2.4	2.4
75°	1367.5	920.7	41.4	22.5	20.1	13.0	8.3	4.7	3.5	2.4	1.2
77.5°	978.6	627.6	36.6	20.1	17.7	10.6	5.9	4.7	2.4	1.2	1.2
80°	695.0	368.8	33.1	16.5	14.2	8.3	5.9	3.5	2.4	1.2	1.2
82.5°	333.3	191.5	31.9	14.2	10.6	7.1	4.7	3.5	2.4	1.2	1.2
85°	151.3	81.6	23.6	13.0	9.5	7.1	4.7	3.5	2.4	2.4	1.2
87.5°	92.2	42.5	18.9	10.6	7.1	5.9	3.5	2.4	2.4	2.4	2.4
90°	86.3	55.6	14.2	8.3	5.9	4.7	3.5	1.2	0.0	0.0	0.0
92.5°	82.7	63.8	10.6	5.9	3.5	3.5	1.2	0.0	0.0	0.0	0.0
95°	78.0	60.3	11.8	3.5	5.9	2.4	1.2	0.0	0.0	0.0	0.0
97.5°	61.5	47.3	13.0	3.5	29.5	2.4	1.2	0.0	0.0	0.0	0.0
100°	39.0	29.5	9.5	3.5	35.5	2.4	0.0	0.0	0.0	0.0	0.0
102.5°	22.5	16.5	4.7	3.5	10.6	1.2	0.0	0.0	0.0	0.0	0.0
105°	9.5	8.3	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: P691020

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040-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)