

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: P691016

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3407 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - G2

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

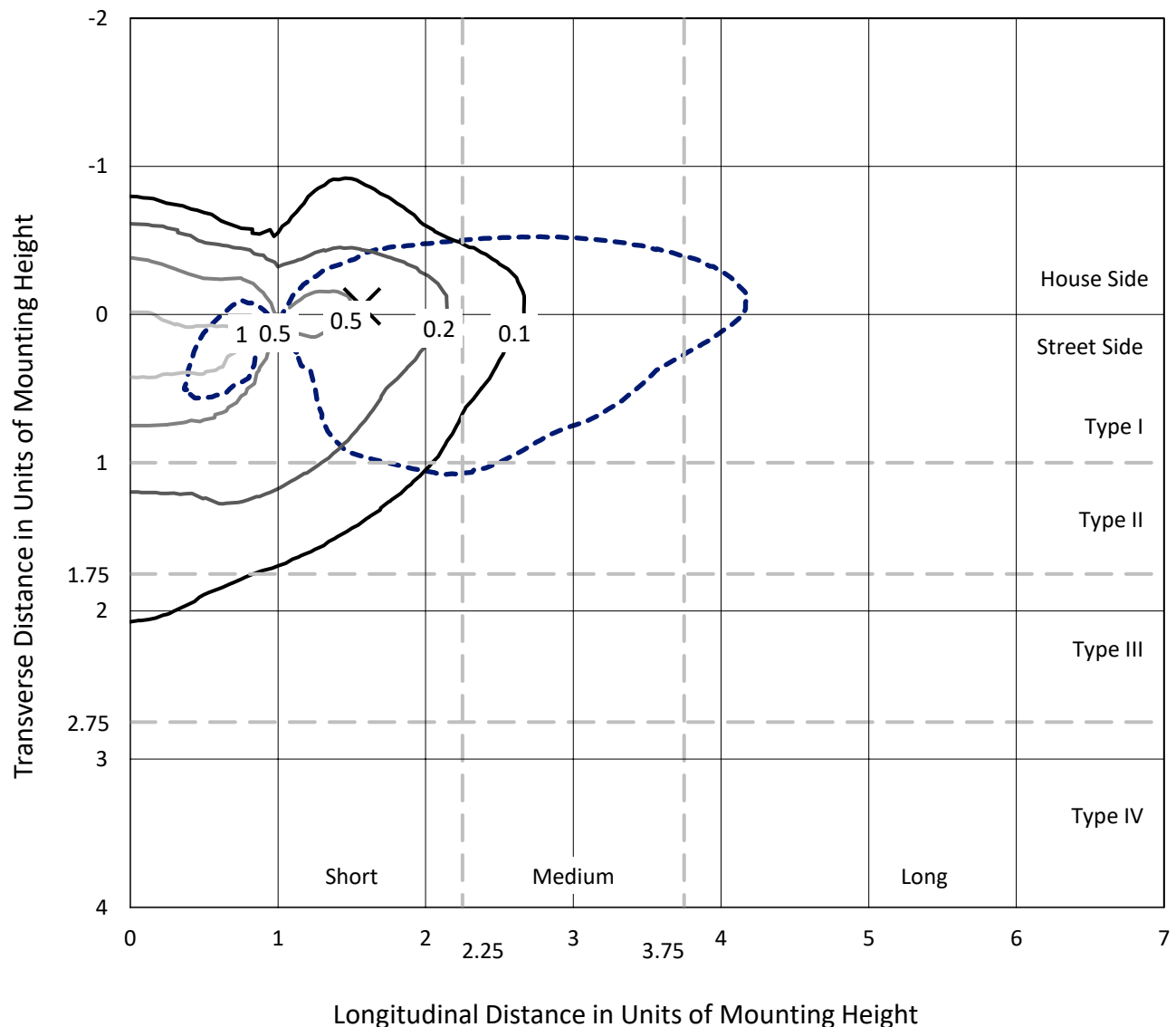


REPORT NUMBER: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

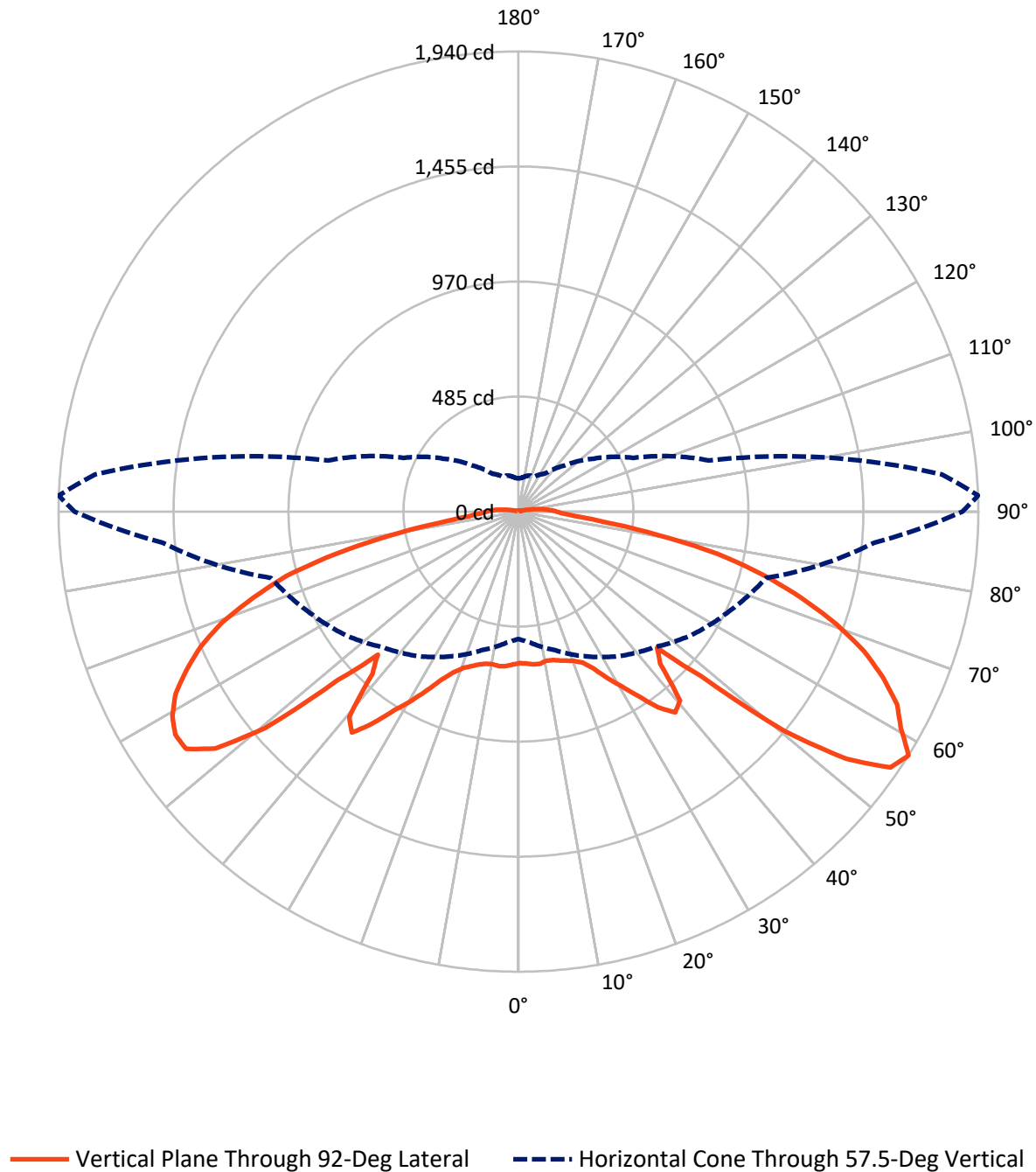


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type I - Short - N/A

REPORT NUMBER: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

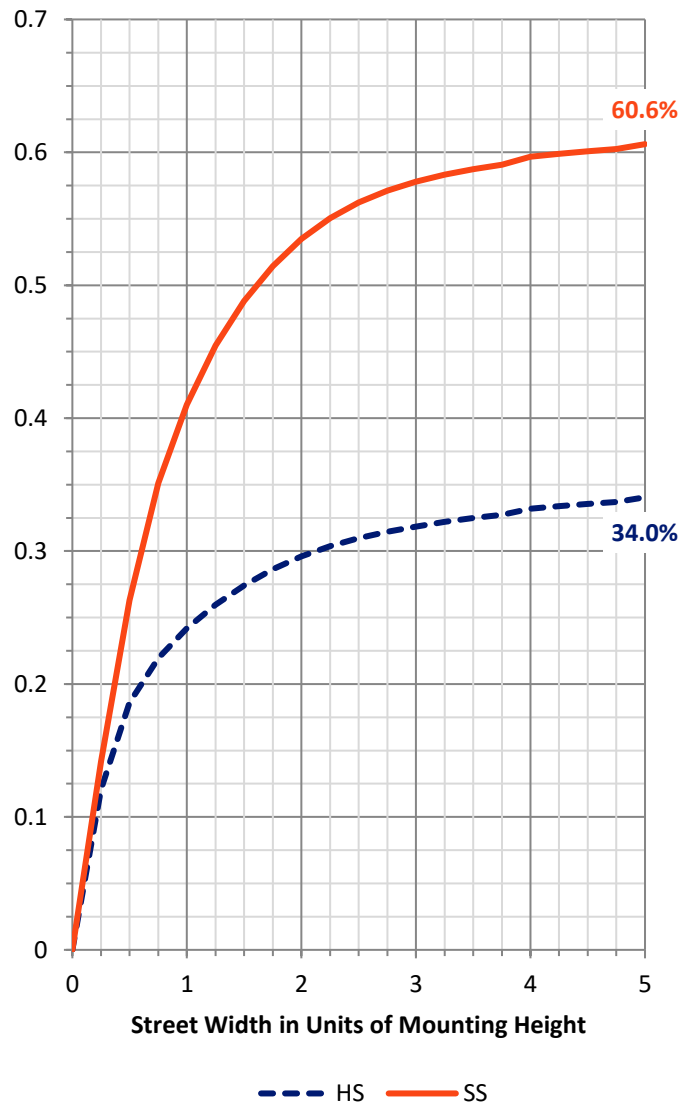
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1215.7	53.1	1268.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2094.9	43.4	2138.2
	% Fixture	61.5	1.3	62.8
Total	Lumens	3310.5	96.4	3407.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	1.8
10°-20°	180.5	5.3
20°-30°	299.4	8.8
30°-40°	414.4	12.2
40°-50°	387.0	11.4
50°-60°	578.2	17.0
60°-70°	686.8	20.2
70°-80°	504.1	14.8
80°-90°	198.7	5.8
90°-100°	70.0	2.1
100°-110°	16.6	0.5
110°-120°	6.4	0.2
120°-130°	3.2	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3310.5	97.2
0°-180°	3407.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691016

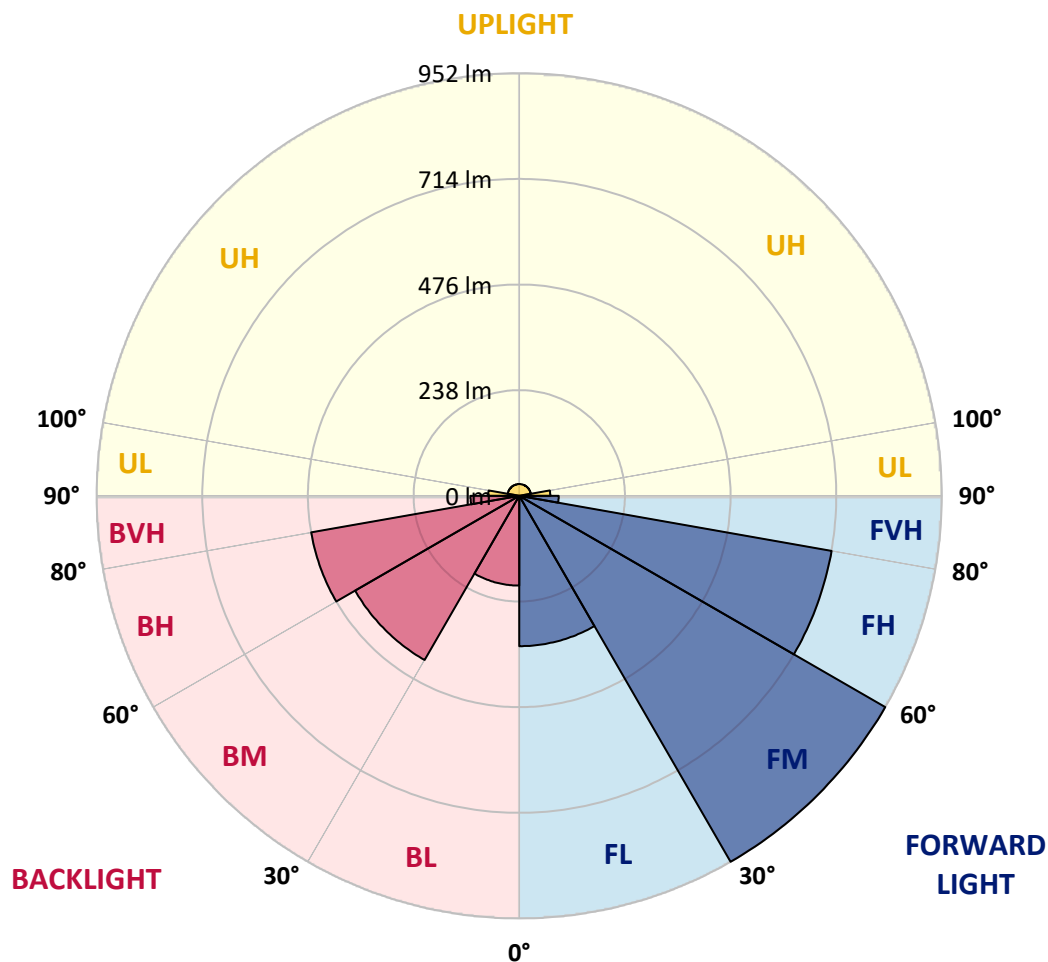
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	338.9	9.9			
FM	(30°-60°)	952.4	28.0			
FH	(60°-80°)	714.7	21.0			G1/1800
FVH	(80°-90°)	88.8	2.6			G1/100
BL	(0°-30°)	202.4	5.9	B1/500		
BM	(30°-60°)	427.2	12.5	B1/1000		
BH	(60°-80°)	476.2	14.0	B1/500		G1/500
BVH	(80°-90°)	109.9	3.2			G2/225
UL	(90°-100°)	70.0	2.1		U3/500	
UH	(100°-180°)	26.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type I Short



REPORT NUMBER: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1
2.5°	666.6	662.0	663.2	662.0	659.8	657.5	655.2	652.9	649.4	646.0	643.7
5°	705.6	701.1	701.1	701.1	696.5	689.6	680.4	674.7	666.6	657.5	650.6
7.5°	732.0	728.6	727.4	726.3	720.6	716.0	705.6	687.3	674.7	663.2	652.9
10°	741.2	741.2	740.1	736.6	730.9	725.2	718.3	701.1	680.4	660.9	647.1
12.5°	758.4	760.7	757.3	751.5	749.2	742.4	732.0	718.3	695.3	665.5	649.4
15°	784.8	783.7	779.1	777.9	775.6	767.6	758.4	741.2	714.8	677.0	658.6
17.5°	796.3	795.1	795.1	795.1	795.1	789.4	788.3	768.8	741.2	695.3	672.4
20°	798.6	798.6	802.0	810.1	811.2	810.1	815.8	803.2	771.0	718.3	687.3
22.5°	813.5	814.6	820.4	828.4	834.2	836.4	841.0	846.8	816.9	755.0	716.0
25°	805.5	811.2	823.8	836.4	850.2	858.2	883.5	903.0	877.8	808.9	756.1
27.5°	791.7	796.3	821.5	844.5	875.5	908.7	945.5	970.7	955.8	875.5	820.4
30°	804.3	804.3	820.4	858.2	898.4	959.2	1013.1	1040.7	1033.8	945.5	895.0
32.5°	777.9	784.8	819.2	874.3	935.1	1014.3	1069.4	1121.0	1127.9	1036.1	954.6
35°	699.9	714.8	737.8	810.1	913.3	1051.0	1135.9	1201.3	1230.0	1139.4	1044.1
37.5°	578.3	584.0	632.2	704.5	827.3	963.8	1110.7	1270.2	1329.8	1217.4	1133.6
40°	510.6	514.0	545.0	608.1	711.4	845.6	969.5	1133.6	1180.7	1169.2	1090.0
42.5°	487.6	493.4	530.1	590.9	678.1	771.0	803.2	874.3	856.0	905.3	930.5
45°	515.2	518.6	545.0	597.8	652.9	693.0	670.1	720.6	745.8	843.3	849.1
47.5°	534.7	537.0	565.7	632.2	641.4	642.5	673.5	703.4	773.3	984.5	1078.5
50°	459.0	470.4	525.5	582.9	587.5	678.1	766.5	826.1	912.2	1296.6	1476.7
52.5°	425.7	431.4	491.1	590.9	657.5	763.0	826.1	885.8	968.4	1431.9	1748.6
55°	467.0	476.2	547.3	658.6	725.2	797.4	876.6	950.0	1031.5	1501.9	1870.3
57.5°	537.0	554.2	605.8	673.5	743.5	808.9	900.7	985.6	1080.8	1506.5	1872.5
60°	675.8	663.2	634.5	664.3	732.0	806.6	912.2	1002.8	1108.4	1505.4	1819.8
62.5°	771.0	752.7	657.5	643.7	706.8	782.5	886.9	1000.5	1102.6	1454.9	1760.1
65°	752.7	740.1	666.6	616.1	662.0	743.5	852.5	986.8	1075.1	1401.0	1652.2
67.5°	649.4	634.5	603.5	584.0	607.0	702.2	820.4	959.2	1043.0	1339.0	1534.1
70°	530.1	522.1	511.7	532.4	561.1	650.6	761.9	899.6	982.2	1220.8	1407.9
72.5°	449.8	445.2	432.6	454.4	502.6	582.9	675.8	813.5	906.4	1061.3	1251.8
75°	378.6	379.8	372.9	386.7	417.7	496.8	570.3	704.5	807.8	911.0	1083.1
77.5°	310.9	307.5	314.4	322.4	343.1	400.4	449.8	566.8	689.6	722.9	830.7
80°	227.2	232.9	245.5	244.4	261.6	286.8	320.1	382.1	484.2	517.5	558.8
82.5°	160.6	167.5	179.0	166.4	168.7	175.6	190.5	219.2	273.1	306.4	340.8
85°	113.6	117.0	119.3	110.1	110.1	114.7	125.1	145.7	179.0	199.6	218.0
87.5°	82.6	83.8	88.3	83.8	84.9	87.2	96.4	110.1	137.7	152.6	167.5
90°	63.1	63.1	65.4	64.3	66.5	71.1	80.3	91.8	112.4	130.8	144.6
92.5°	45.9	45.9	48.2	49.3	50.5	56.2	64.3	73.4	87.2	110.1	123.9
95°	35.6	35.6	37.9	37.9	39.0	43.6	50.5	59.7	70.0	86.1	98.7
97.5°	26.4	26.4	28.7	28.7	29.8	33.3	39.0	44.7	53.9	64.3	70.0
100°	20.7	20.7	21.8	21.8	22.9	26.4	29.8	33.3	35.6	41.3	43.6
102.5°	17.2	17.2	17.2	17.2	17.2	19.5	20.7	20.7	21.8	25.2	26.4
105°	13.8	13.8	13.8	12.6	12.6	13.8	13.8	13.8	14.9	14.9	16.1
107.5°	10.3	10.3	10.3	10.3	10.3	11.5	11.5	11.5	11.5	12.6	12.6
110°	9.2	9.2	9.2	9.2	9.2	9.2	10.3	10.3	10.3	10.3	10.3



REPORT NUMBER: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.0	8.0	8.0	8.0	8.0	8.0	9.2	9.2	9.2	9.2	9.2
115°	6.9	6.9	6.9	6.9	6.9	8.0	9.2	8.0	8.0	8.0	8.0
117.5°	5.7	5.7	5.7	6.9	6.9	6.9	8.0	6.9	6.9	6.9	8.0
120°	4.6	4.6	5.7	5.7	5.7	5.7	5.7	5.7	6.9	6.9	6.9
122.5°	4.6	4.6	4.6	4.6	4.6	5.7	5.7	5.7	5.7	5.7	6.9
125°	3.4	3.4	3.4	4.6	4.6	4.6	4.6	4.6	4.6	5.7	5.7
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	4.6	4.6
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1	639.1
2.5°	641.4	641.4	634.5	627.6	620.7	613.9	608.1	604.7	600.1	601.2	601.2
5°	647.1	643.7	628.8	619.6	609.3	600.1	590.9	582.9	580.6	579.4	574.8
7.5°	648.3	642.5	626.5	612.7	593.2	571.4	561.1	551.9	546.2	550.7	548.5
10°	640.2	633.4	615.0	594.3	566.8	548.5	532.4	523.2	518.6	519.8	518.6
12.5°	642.5	634.5	604.7	573.7	550.7	519.8	500.3	492.2	486.5	486.5	483.1
15°	651.7	638.0	595.5	563.4	525.5	499.1	476.2	470.4	468.1	465.8	462.4
17.5°	660.9	641.4	594.3	545.0	502.6	473.9	450.9	440.6	434.9	434.9	433.7
20°	672.4	648.3	587.5	525.5	480.8	442.9	415.4	406.2	401.6	400.4	398.1
22.5°	691.9	666.6	584.0	517.5	452.1	413.1	386.7	369.5	360.3	359.1	359.1
25°	730.9	699.9	590.9	495.7	432.6	382.1	350.0	332.7	322.4	322.4	321.3
27.5°	792.8	743.5	601.2	487.6	395.9	348.8	315.5	289.1	280.0	280.0	281.1
30°	853.7	810.1	627.6	470.4	375.2	305.2	265.0	245.5	234.1	229.5	230.6
32.5°	925.9	880.1	664.3	459.0	333.9	253.6	216.9	206.5	189.3	184.7	181.3
35°	1014.3	947.7	705.6	442.9	301.8	215.7	185.9	165.2	157.2	151.5	150.3
37.5°	1074.0	1015.4	742.4	446.3	257.0	195.1	161.8	140.0	132.0	133.1	133.1
40°	1048.7	981.0	751.5	423.4	219.2	169.8	135.4	122.8	118.2	119.3	120.5
42.5°	876.6	841.0	621.9	378.6	181.3	136.5	113.6	113.6	117.0	113.6	113.6
45°	819.2	729.7	452.1	266.2	136.5	112.4	107.9	111.3	119.3	119.3	119.3
47.5°	1037.2	936.3	405.0	222.6	152.6	126.2	117.0	111.3	112.4	111.3	111.3
50°	1454.9	1296.6	543.9	277.7	184.7	150.3	133.1	121.6	121.6	119.3	117.0
52.5°	1732.6	1566.2	662.0	347.7	231.8	175.6	152.6	132.0	125.1	120.5	119.3
55°	1904.7	1778.5	764.2	445.2	301.8	208.8	169.8	148.0	137.7	128.5	127.4
57.5°	1940.2	1793.4	831.9	534.7	389.0	274.2	195.1	164.1	157.2	142.3	140.0
60°	1853.0	1755.5	858.2	593.2	464.7	361.4	254.7	190.5	175.6	165.2	162.9
62.5°	1792.2	1679.8	849.1	612.7	511.7	433.7	335.0	234.1	191.6	192.8	203.1
65°	1690.1	1614.4	781.4	584.0	509.4	457.8	376.3	270.8	197.4	195.1	207.7
67.5°	1573.1	1513.4	713.7	520.9	469.3	424.5	350.0	258.2	187.0	175.6	176.7
70°	1422.8	1372.3	644.8	485.3	432.6	376.3	304.1	223.7	184.7	166.4	166.4
72.5°	1249.5	1189.8	587.5	459.0	413.1	361.4	291.4	215.7	198.5	191.6	197.4
75°	1065.9	990.2	542.7	433.7	399.3	361.4	290.3	215.7	198.5	192.8	192.8
77.5°	859.4	814.6	494.5	393.6	371.8	344.2	267.3	200.8	195.1	192.8	192.8
80°	594.3	587.5	402.7	341.9	336.2	325.9	251.3	193.9	193.9	190.5	185.9
82.5°	364.9	347.7	288.0	255.9	275.4	290.3	228.3	182.4	177.8	174.4	172.1
85°	236.4	237.5	201.9	179.0	190.5	221.4	192.8	165.2	158.3	160.6	160.6
87.5°	181.3	187.0	158.3	145.7	143.4	150.3	151.5	148.0	143.4	140.0	141.1
90°	156.0	158.3	127.4	117.0	115.9	118.2	118.2	125.1	125.1	113.6	106.7
92.5°	130.8	134.2	105.6	95.2	95.2	98.7	101.0	101.0	91.8	74.6	66.5
95°	103.3	105.6	83.8	75.7	76.9	76.9	75.7	72.3	56.2	33.3	29.8
97.5°	72.3	73.4	62.0	57.4	58.5	56.2	49.3	44.7	34.4	19.5	18.4
100°	45.9	47.0	39.0	37.9	41.3	36.7	32.1	29.8	20.7	12.6	14.9
102.5°	27.5	27.5	24.1	22.9	25.2	21.8	19.5	16.1	12.6	8.0	10.3
105°	16.1	16.1	14.9	14.9	14.9	13.8	12.6	10.3	6.9	5.7	5.7
107.5°	12.6	12.6	11.5	11.5	10.3	10.3	9.2	6.9	4.6	3.4	3.4
110°	10.3	10.3	9.2	9.2	9.2	8.0	6.9	5.7	3.4	2.3	2.3



REPORT NUMBER: P691016

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	9.2	8.0	8.0	6.9	6.9	5.7	4.6	3.4	2.3	2.3
115°	8.0	8.0	6.9	5.7	5.7	5.7	4.6	3.4	2.3	1.1	2.3
117.5°	8.0	8.0	5.7	4.6	4.6	4.6	3.4	3.4	2.3	1.1	1.1
120°	6.9	6.9	4.6	4.6	3.4	3.4	3.4	2.3	1.1	1.1	1.1
122.5°	5.7	5.7	4.6	3.4	3.4	3.4	2.3	2.3	1.1	1.1	1.1
125°	5.7	5.7	3.4	3.4	3.4	2.3	2.3	2.3	1.1	0.0	0.0
127.5°	4.6	4.6	3.4	3.4	2.3	2.3	2.3	1.1	1.1	0.0	0.0
130°	3.4	3.4	3.4	3.4	2.3	2.3	2.3	1.1	1.1	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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

(END OF REPORT)