

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: P691031

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
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-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3012 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G1

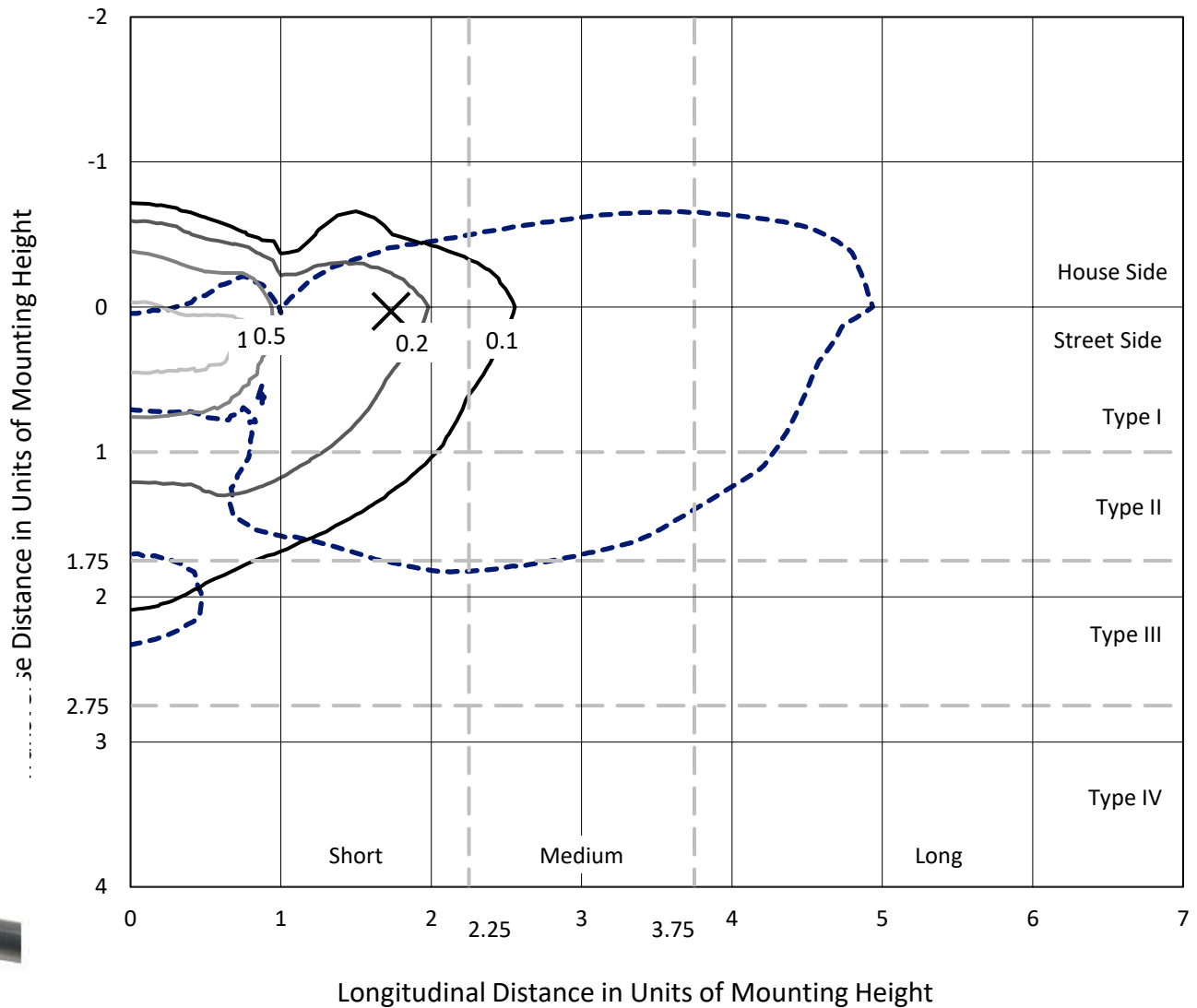
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691031
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

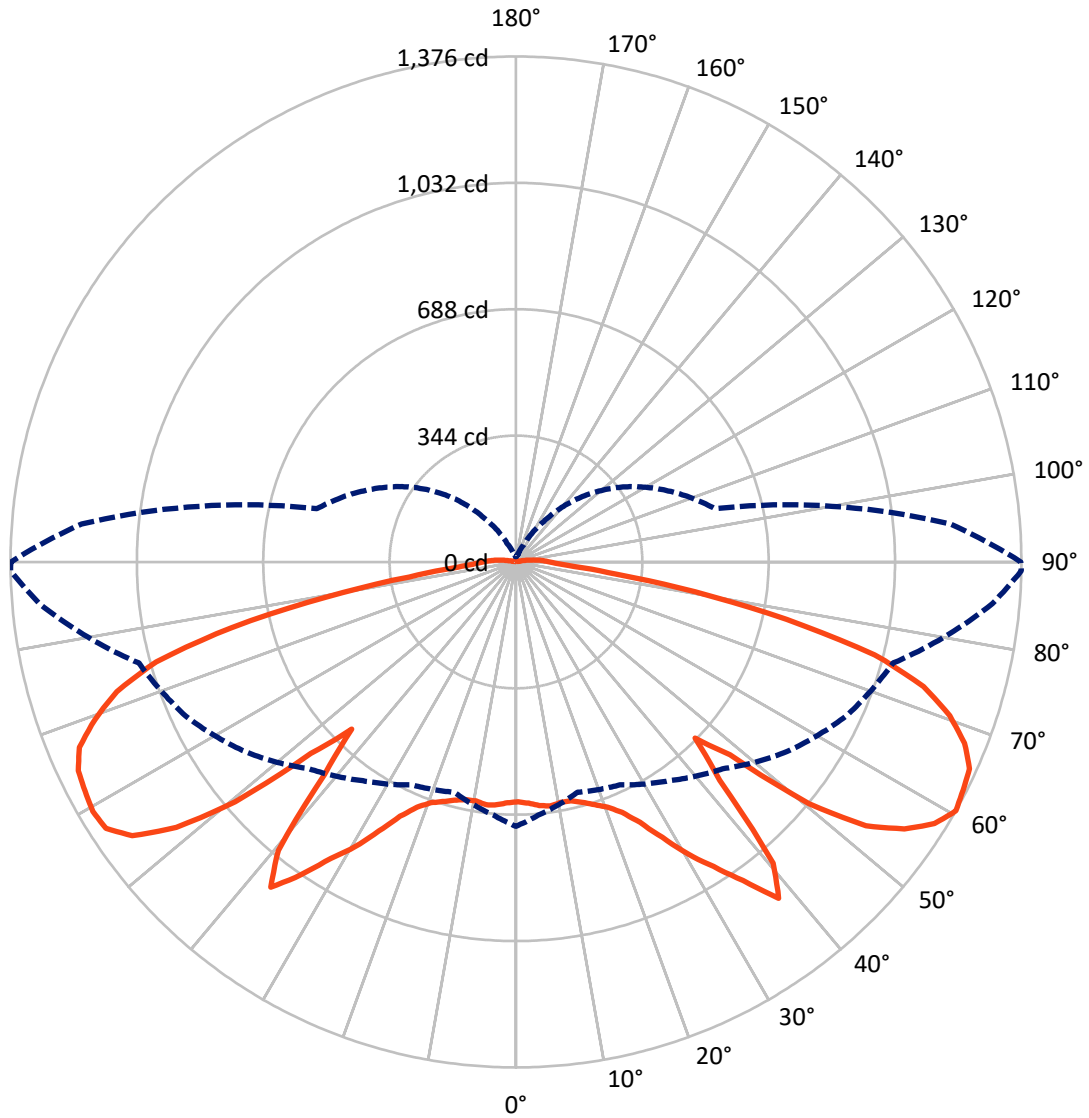
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

REPORT NUMBER: P691031
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P691031

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

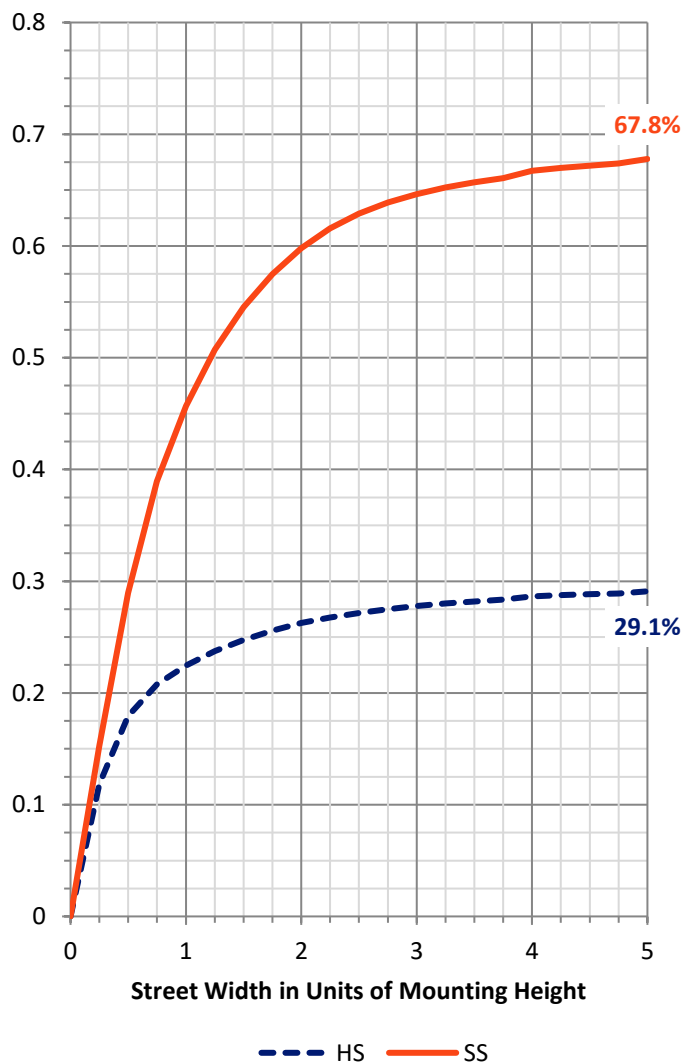
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.2	16.8	911.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2068.7	32.4	2101.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	2962.9	49.2	3012.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	2.1
10°-20°	185.3	6.2
20°-30°	305.8	10.2
30°-40°	414.8	13.8
40°-50°	345.5	11.5
50°-60°	478.5	15.9
60°-70°	589.7	19.6
70°-80°	446.5	14.8
80°-90°	134.0	4.4
90°-100°	34.7	1.2
100°-110°	7.9	0.3
110°-120°	3.7	0.1
120°-130°	2.5	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°	2962.9	98.4
0°-180°	3012.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691031

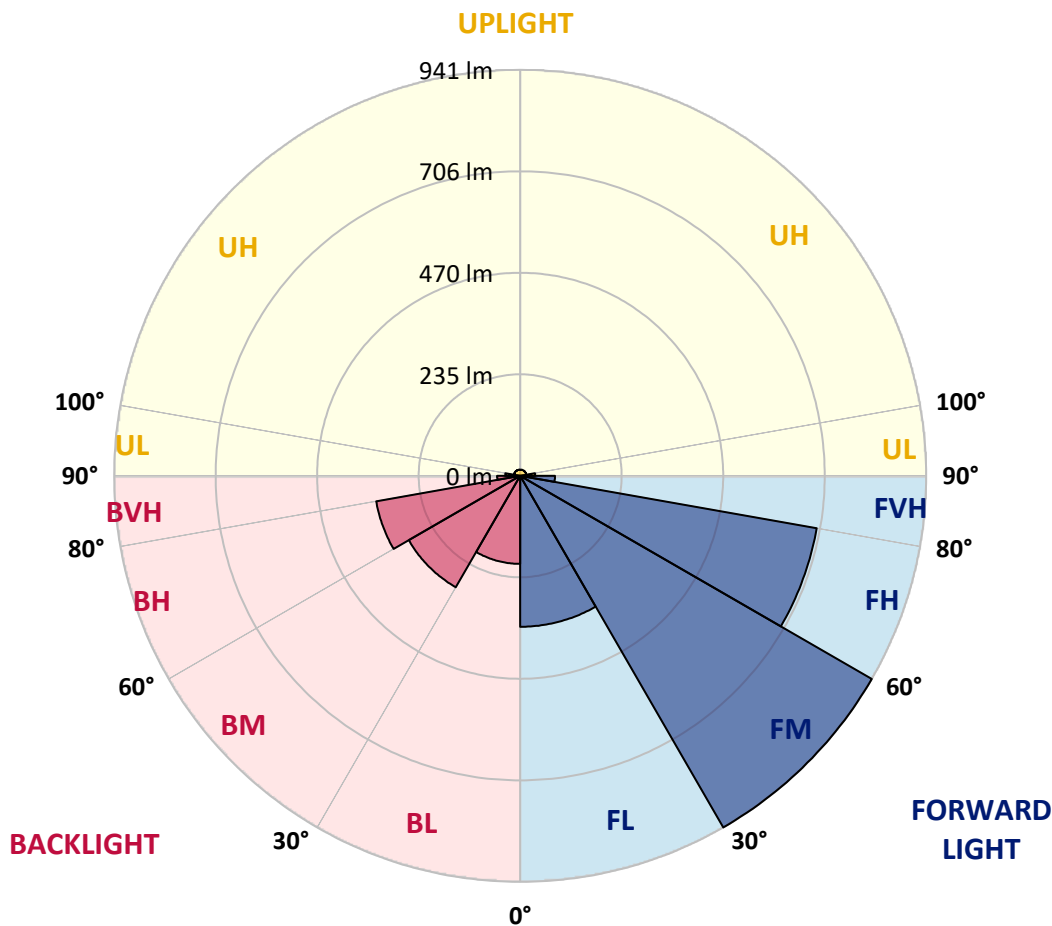
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.9	11.6			
FM (30°-60°)	940.7	31.2			
FH (60°-80°)	697.6	23.2			G1/1800
FVH (80°-90°)	80.6	2.7			G1/100
BL (0°-30°)	203.9	6.8	B1/500		
BM (30°-60°)	298.1	9.9	B1/1000		
BH (60°-80°)	338.7	11.2	B1/500		G1/500
BVH (80°-90°)	53.4	1.8			G1/100
UL (90°-100°)	34.7	1.2		U2/50	
UH (100°-180°)	14.5	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short





REPORT NUMBER: P691031

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8
2.5°	685.1	681.5	681.5	681.5	674.3	674.3	669.6	667.2	662.4	658.8	657.6
5°	724.6	722.2	722.2	721.0	713.8	709.0	699.4	691.1	683.9	671.9	666.0
7.5°	755.6	752.1	752.1	750.9	743.7	737.7	726.9	707.8	693.5	680.3	670.8
10°	766.4	765.2	764.0	760.4	754.4	749.7	740.1	722.2	699.4	677.9	666.0
12.5°	786.7	786.7	783.1	778.4	773.6	768.8	755.6	741.3	716.2	682.7	667.2
15°	813.0	810.6	808.3	805.9	802.3	795.1	783.1	765.2	736.5	695.9	679.1
17.5°	823.8	822.6	822.6	823.8	822.6	817.8	815.4	795.1	765.2	713.8	694.7
20°	826.2	827.4	829.8	838.1	840.5	838.1	841.7	829.8	795.1	737.7	712.6
22.5°	840.5	842.9	847.7	856.1	859.7	863.3	866.8	876.4	841.7	774.8	740.1
25°	834.6	836.9	851.3	864.4	877.6	888.4	911.1	932.6	907.5	829.8	785.5
27.5°	819.0	823.8	848.9	875.2	907.5	936.2	978.0	1004.3	984.0	899.1	848.9
30°	832.2	832.2	848.9	887.2	929.0	993.6	1048.6	1078.5	1064.1	966.1	923.0
32.5°	804.7	811.8	846.5	903.9	968.5	1051.0	1104.8	1157.4	1162.2	1055.8	988.8
35°	719.8	731.7	760.4	836.9	936.2	1079.7	1174.1	1244.7	1267.4	1163.4	1065.3
37.5°	593.0	601.4	651.6	728.1	846.5	984.0	1135.9	1296.1	1359.4	1232.7	1162.2
40°	524.9	530.9	560.8	624.1	732.9	865.6	985.2	1139.4	1174.1	1125.1	1078.5
42.5°	502.2	511.7	548.8	607.4	695.9	789.1	808.3	865.6	847.7	853.7	813.0
45°	533.3	536.8	564.3	615.8	669.6	694.7	669.6	709.0	728.1	724.6	683.9
47.5°	548.8	554.8	584.7	650.4	650.4	651.6	682.7	706.6	761.6	813.0	784.3
50°	471.1	479.5	534.5	587.1	595.4	694.7	776.0	822.6	880.0	1017.5	1034.2
52.5°	443.6	449.6	509.3	614.6	675.5	777.2	827.4	870.4	919.4	1146.6	1193.2
55°	485.4	496.2	566.7	675.5	742.5	803.5	868.0	930.2	982.8	1248.2	1282.9
57.5°	560.8	581.1	624.1	685.1	748.5	803.5	889.6	966.1	1035.4	1287.7	1343.9
60°	719.8	692.3	649.2	669.6	726.9	796.3	900.3	992.4	1062.9	1302.1	1376.2
62.5°	793.9	773.6	668.4	640.9	691.1	771.2	880.0	992.4	1053.4	1274.6	1366.6
65°	767.6	750.9	675.5	607.4	646.8	736.5	848.9	978.0	1031.8	1239.9	1357.1
67.5°	654.0	637.3	613.4	588.3	605.0	701.8	820.2	951.7	1007.9	1211.2	1317.6
70°	532.1	522.5	514.1	533.3	564.3	649.2	762.8	893.1	960.1	1141.8	1253.0
72.5°	453.1	447.2	432.8	452.0	501.0	578.7	676.7	807.1	887.2	1024.7	1161.0
75°	385.0	381.4	376.6	386.2	417.3	490.2	567.9	695.9	792.7	894.3	1009.1
77.5°	312.1	307.3	318.0	320.4	344.3	397.0	447.2	553.6	661.2	701.8	753.3
80°	227.2	232.0	249.9	242.7	260.6	278.6	314.5	361.1	446.0	491.4	495.0
82.5°	159.0	163.8	180.5	162.6	167.4	168.6	181.7	198.5	233.1	271.4	276.2
85°	112.4	114.8	118.4	105.2	105.2	105.2	113.6	123.2	141.1	156.6	160.2
87.5°	80.1	80.1	84.9	80.1	78.9	77.7	82.5	86.1	96.8	107.6	110.0
90°	59.8	59.8	62.2	59.8	59.8	59.8	64.6	68.2	77.7	87.3	88.5
92.5°	43.0	43.0	46.6	45.4	45.4	46.6	51.4	53.8	62.2	71.7	72.9
95°	33.5	33.5	35.9	34.7	34.7	37.1	40.7	43.0	49.0	53.8	55.0
97.5°	23.9	23.9	25.1	25.1	25.1	25.1	27.5	31.1	38.3	38.3	37.1
100°	16.7	16.7	17.9	16.7	16.7	17.9	17.9	20.3	23.9	22.7	22.7
102.5°	12.0	12.0	12.0	12.0	12.0	10.8	10.8	12.0	13.2	12.0	12.0
105°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.2
107.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.0	6.0
110°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.8



REPORT NUMBER: P691031
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.8	4.8
115°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.8	4.8
117.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
120°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
122.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
125°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	3.6
127.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
130°	3.6	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.4
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: P691031

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8	652.8
2.5°	656.4	654.0	646.8	638.5	631.3	625.3	619.3	614.6	613.4	611.0	613.4
5°	664.8	656.4	639.7	628.9	619.3	609.8	600.2	595.4	591.8	589.5	589.5
7.5°	668.4	656.4	637.3	622.9	602.6	582.3	570.3	560.8	557.2	560.8	560.8
10°	662.4	648.0	625.3	603.8	576.3	559.6	542.8	534.5	529.7	529.7	526.1
12.5°	664.8	648.0	614.6	582.3	559.6	529.7	509.3	499.8	492.6	495.0	495.0
15°	674.3	651.6	605.0	572.7	533.3	509.3	484.2	478.3	477.1	473.5	471.1
17.5°	688.7	655.2	602.6	551.2	510.5	481.8	457.9	447.2	441.2	437.6	436.4
20°	704.2	660.0	595.4	530.9	486.6	449.6	420.9	406.5	401.7	401.7	399.3
22.5°	730.5	676.7	589.5	521.3	454.3	417.3	388.6	368.3	358.7	357.5	356.3
25°	773.6	709.0	595.4	499.8	435.2	380.2	347.9	330.0	319.2	315.6	315.6
27.5°	839.3	753.3	603.8	487.8	395.8	345.5	309.7	282.2	266.6	267.8	269.0
30°	909.9	819.0	627.7	468.7	370.6	296.5	253.5	232.0	217.6	212.8	210.4
32.5°	967.3	887.2	662.4	453.1	324.0	236.7	199.7	184.1	168.6	155.4	150.7
35°	1055.8	944.6	692.3	430.4	285.8	193.7	161.4	137.5	124.3	118.4	116.0
37.5°	1135.9	1000.8	715.0	425.6	232.0	166.2	127.9	102.8	89.7	88.5	88.5
40°	1039.0	930.2	698.3	387.4	182.9	129.1	92.1	72.9	63.4	58.6	58.6
42.5°	795.1	712.6	532.1	322.8	131.5	87.3	58.6	55.0	53.8	49.0	49.0
45°	666.0	526.1	322.8	168.6	62.2	47.8	41.8	41.8	43.0	46.6	46.6
47.5°	799.9	621.7	237.9	120.8	61.0	41.8	37.1	33.5	31.1	29.9	29.9
50°	1035.4	884.8	303.7	143.5	72.9	43.0	33.5	29.9	28.7	27.5	25.1
52.5°	1207.6	1036.6	400.5	218.8	117.2	55.0	33.5	25.1	19.1	16.7	15.5
55°	1311.6	1169.3	472.3	314.5	190.1	92.1	41.8	22.7	16.7	14.3	13.2
57.5°	1367.8	1184.9	532.1	400.5	279.8	163.8	72.9	27.5	16.7	13.2	13.2
60°	1375.0	1187.3	560.8	457.9	356.3	248.7	138.7	53.8	21.5	15.5	14.3
62.5°	1369.0	1166.9	567.9	480.6	402.9	318.0	218.8	106.4	33.5	17.9	16.7
65°	1358.2	1168.1	535.6	460.3	402.9	340.8	253.5	139.9	47.8	20.3	19.1
67.5°	1322.4	1164.6	517.7	416.1	364.7	304.9	227.2	130.3	55.0	25.1	23.9
70°	1249.4	1121.5	507.0	398.1	342.0	271.4	191.3	104.0	62.2	43.0	46.6
72.5°	1166.9	1043.8	496.2	382.6	333.6	270.2	192.5	112.4	83.7	70.5	75.3
75°	1043.8	908.7	477.1	367.1	328.8	278.6	194.9	106.4	78.9	63.4	62.2
77.5°	803.5	755.6	435.2	328.8	298.9	257.1	166.2	81.3	58.6	44.2	43.0
80°	524.9	518.9	339.6	265.4	252.3	227.2	138.7	63.4	46.6	35.9	33.5
82.5°	296.5	284.6	211.6	167.4	178.2	184.1	112.4	47.8	35.9	28.7	26.3
85°	168.6	171.0	123.2	90.9	92.1	108.8	72.9	33.5	22.7	16.7	15.5
87.5°	116.0	119.6	80.1	61.0	55.0	51.4	38.3	20.3	13.2	8.4	6.0
90°	94.5	94.5	59.8	44.2	38.3	33.5	21.5	12.0	9.6	4.8	3.6
92.5°	76.5	80.1	50.2	35.9	29.9	26.3	16.7	8.4	6.0	3.6	2.4
95°	57.4	61.0	40.7	29.9	23.9	20.3	14.3	7.2	4.8	2.4	2.4
97.5°	39.5	39.5	28.7	22.7	19.1	15.5	10.8	6.0	3.6	2.4	2.4
100°	22.7	23.9	16.7	14.3	13.2	12.0	7.2	4.8	2.4	1.2	1.2
102.5°	12.0	12.0	8.4	8.4	7.2	7.2	6.0	3.6	2.4	1.2	1.2
105°	7.2	7.2	6.0	6.0	4.8	4.8	3.6	2.4	1.2	0.0	1.2
107.5°	6.0	6.0	4.8	4.8	3.6	3.6	2.4	2.4	1.2	0.0	0.0
110°	4.8	4.8	3.6	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0



REPORT NUMBER: P691031
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.8	4.8	3.6	3.6	2.4	2.4	2.4	1.2	1.2	0.0	0.0
115°	4.8	3.6	3.6	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0
117.5°	4.8	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
120°	4.8	3.6	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0
122.5°	4.8	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
125°	3.6	3.6	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
127.5°	3.6	3.6	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
130°	3.6	3.6	2.4	2.4	1.2	1.2	1.2	1.2	0.0	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)