

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: P691072

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3134 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - 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

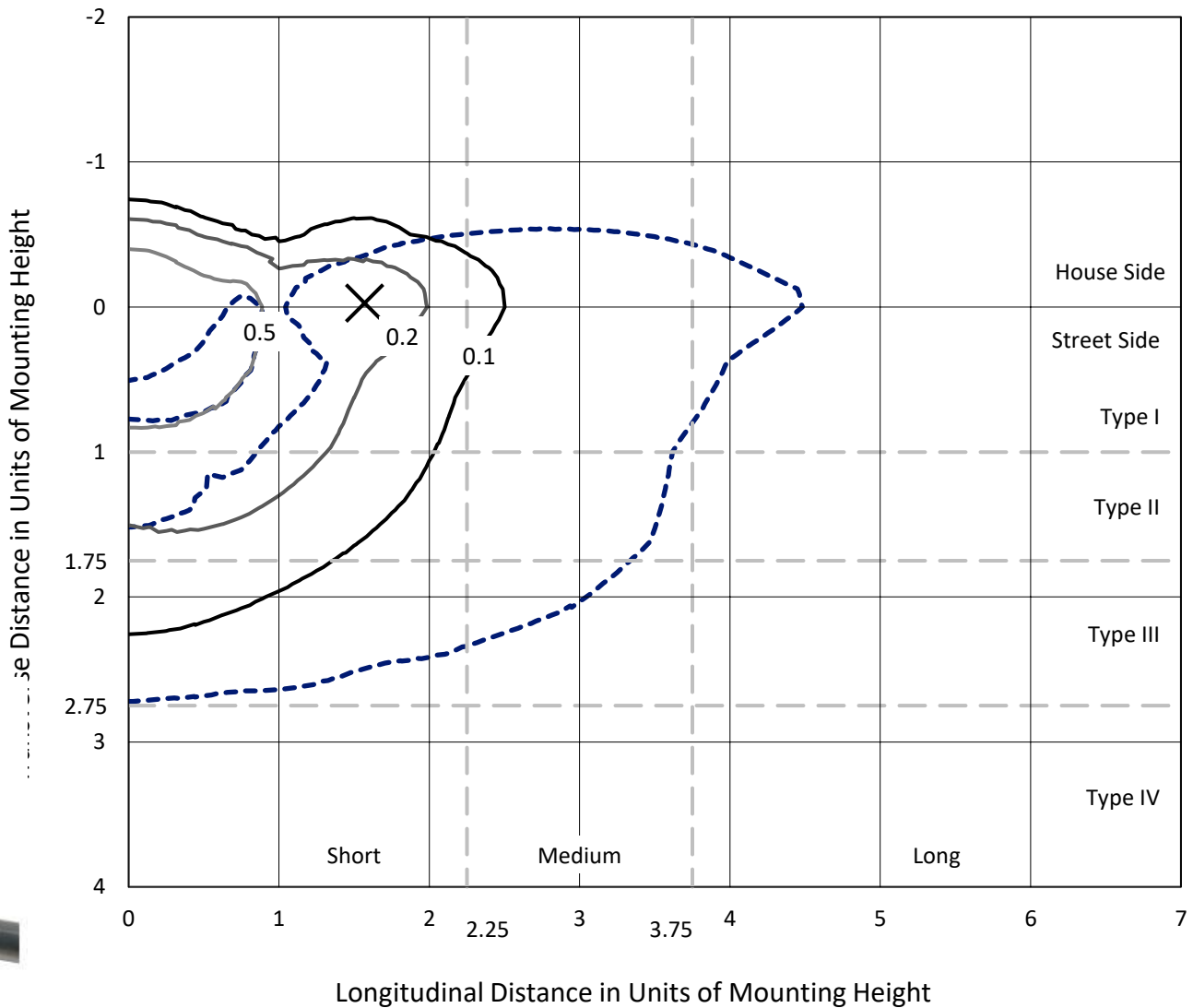


REPORT NUMBER: P691072

CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

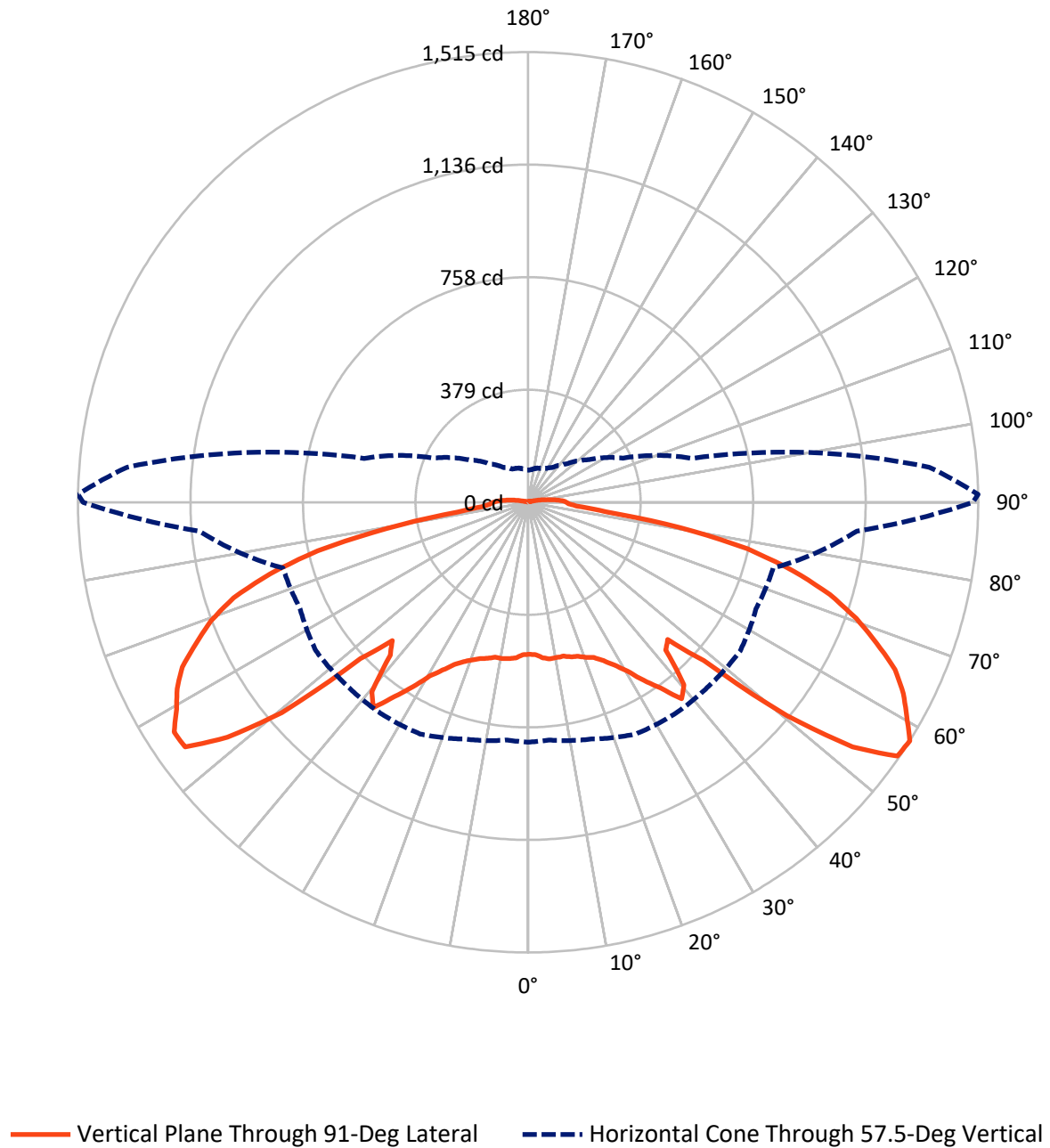


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

REPORT NUMBER: P691072

CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691072

CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

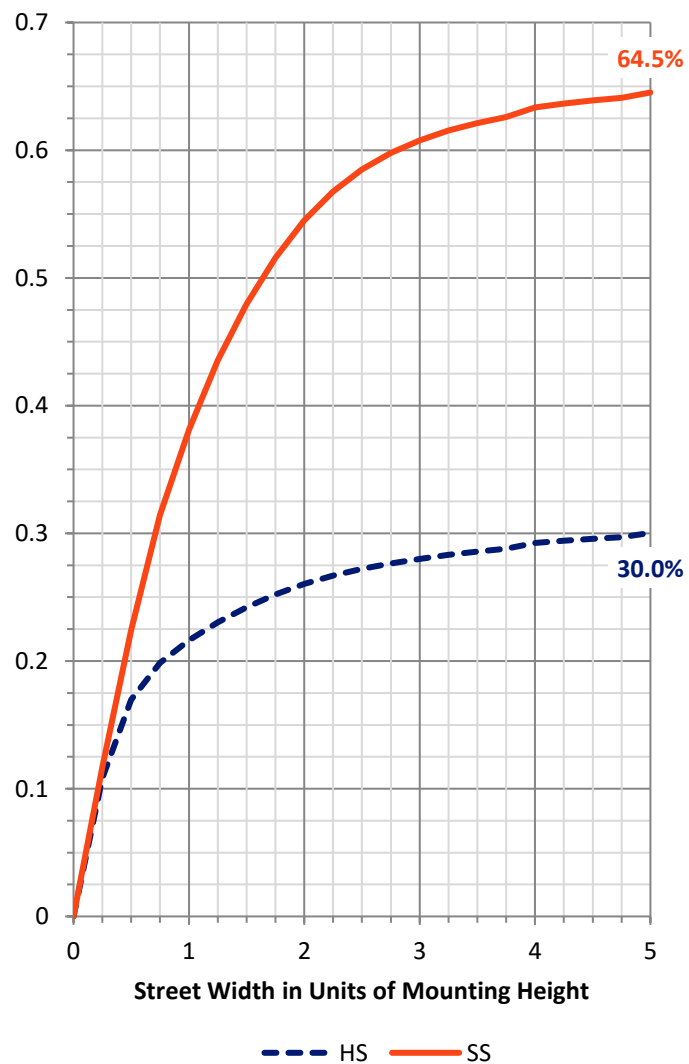
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	994.8	48.4	1043.2
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	2049.4	41.4	2090.8
	% Fixture	65.4	1.3	66.7
Total	Lumens	3044.2	89.8	3134.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.6
10°-20°	152.3	4.9
20°-30°	259.0	8.3
30°-40°	364.4	11.6
40°-50°	346.0	11.0
50°-60°	518.3	16.5
60°-70°	670.7	21.4
70°-80°	507.6	16.2
80°-90°	175.8	5.6
90°-100°	66.0	2.1
100°-110°	15.5	0.5
110°-120°	5.3	0.2
120°-130°	2.7	0.1
130°-140°	0.2	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°	3044.2	97.1
0°-180°	3134.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691072

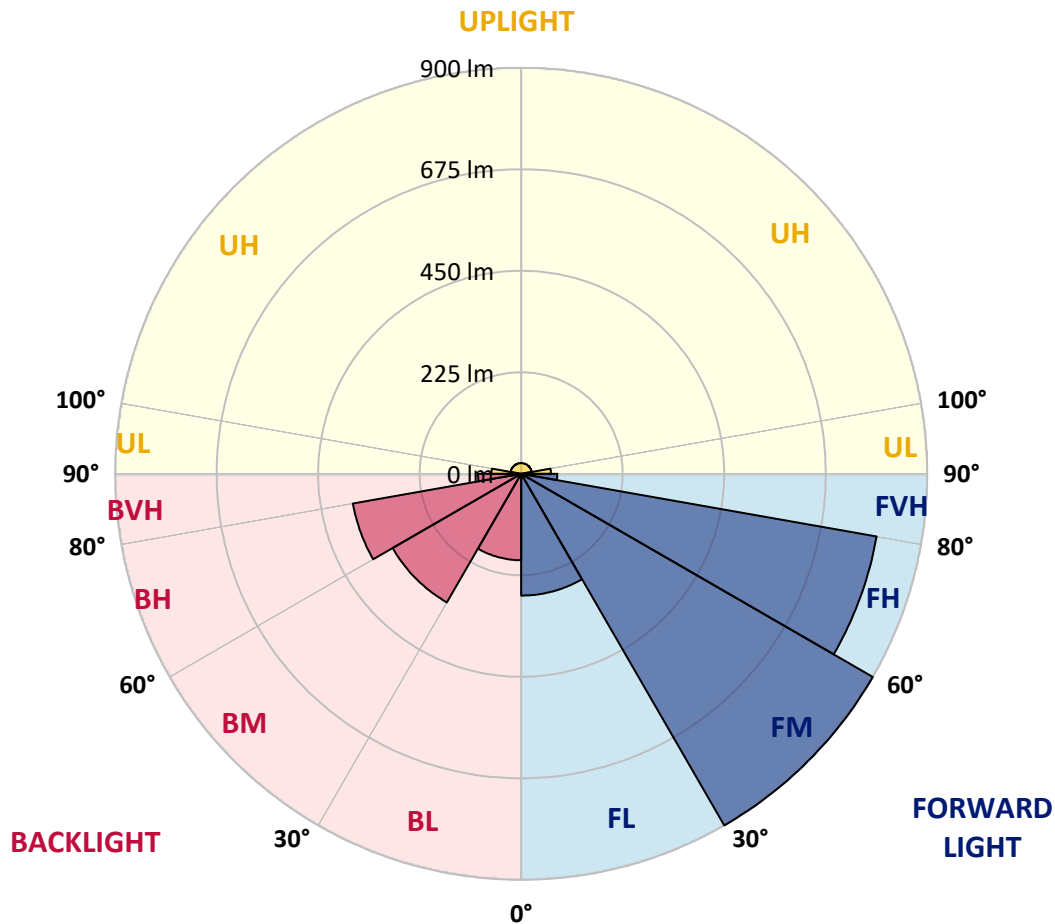
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.8	8.6			
FM	(30°-60°)	899.7	28.7			
FH	(60°-80°)	799.7	25.5			G1/1800
FVH	(80°-90°)	80.2	2.6			G1/100
BL	(0°-30°)	191.5	6.1	B1/500		
BM	(30°-60°)	329.0	10.5	B1/1000		
BH	(60°-80°)	378.6	12.1	B1/500		G1/500
BVH	(80°-90°)	95.7	3.1			G1/100
UL	(90°-100°)	66.0	2.1		U3/500	
UH	(100°-180°)	23.8	0.8		U2/50	

BUG Rating: B1-U3-G1

Type III Short



REPORT NUMBER: P691072

CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7
2.5°	502.3	502.3	502.3	503.4	506.5	508.6	509.6	508.6	509.6	511.7	513.8
5°	516.9	515.8	514.8	512.7	511.7	511.7	512.7	512.7	514.8	522.1	526.2
7.5°	530.4	528.3	527.3	527.3	526.2	521.0	520.0	516.9	515.8	525.2	531.4
10°	555.3	553.2	547.0	539.7	537.6	531.4	522.1	520.0	521.0	531.4	533.5
12.5°	578.1	577.1	572.9	565.7	555.3	549.1	535.6	529.3	530.4	536.6	532.4
15°	616.5	612.4	599.9	593.7	583.3	571.9	554.2	547.0	549.1	543.9	541.8
17.5°	639.3	636.2	636.2	624.8	617.6	597.8	581.2	567.7	572.9	559.4	548.0
20°	660.1	660.1	661.1	663.2	649.7	634.2	611.3	594.7	595.8	576.0	559.4
22.5°	692.3	689.2	692.3	695.4	686.1	672.6	644.5	627.9	620.7	595.8	574.0
25°	725.5	723.4	723.4	731.7	734.8	714.1	688.1	670.5	660.1	623.8	594.7
27.5°	758.7	759.7	762.9	766.0	771.2	760.8	734.8	721.3	707.9	657.0	627.9
30°	785.7	783.6	797.1	804.4	809.6	813.7	784.7	770.1	755.6	699.5	665.3
32.5°	815.8	815.8	828.2	841.7	849.0	857.3	833.4	824.1	808.5	750.4	727.6
35°	840.7	840.7	859.4	882.2	895.7	901.9	889.5	888.4	885.3	819.9	786.7
37.5°	756.6	767.0	796.1	841.7	893.6	935.2	938.3	959.0	969.4	898.8	856.3
40°	660.1	663.2	697.5	737.9	786.7	838.6	888.4	949.7	942.4	857.3	819.9
42.5°	594.7	603.0	646.6	677.8	709.9	742.1	742.1	740.0	688.1	703.7	689.2
45°	588.5	590.6	626.9	673.6	686.1	641.4	579.2	544.9	549.1	624.8	659.1
47.5°	652.8	656.0	693.3	737.9	693.3	614.4	553.2	548.0	544.9	678.8	795.0
50°	687.1	689.2	724.5	747.3	677.8	676.7	677.8	659.1	642.5	890.5	1140.7
52.5°	707.9	709.9	707.9	736.9	713.0	768.0	749.4	718.2	705.8	1031.7	1347.2
55°	652.8	666.3	722.4	799.2	801.3	819.9	812.7	784.7	783.6	1084.6	1501.8
57.5°	807.5	803.3	825.1	860.4	866.6	867.7	871.8	846.9	854.2	1111.6	1497.7
60°	914.4	903.0	880.1	896.7	904.0	915.4	930.0	901.9	910.2	1135.5	1432.3
62.5°	1015.1	997.4	909.2	906.1	917.5	940.3	961.1	939.3	946.6	1143.8	1386.6
65°	1000.5	985.0	918.5	882.2	898.8	930.0	959.0	948.6	946.6	1126.1	1330.6
67.5°	862.5	863.5	856.3	856.3	850.0	894.7	941.4	942.4	932.0	1081.5	1246.5
70°	741.1	736.9	748.3	791.9	798.1	851.1	913.4	923.7	910.2	1031.7	1165.6
72.5°	631.0	627.9	630.0	666.3	718.2	776.4	846.9	871.8	852.1	942.4	1067.0
75°	522.1	519.0	517.9	530.4	571.9	644.5	725.5	770.1	753.5	812.7	922.7
77.5°	396.5	390.3	390.3	394.4	425.5	490.9	568.8	631.0	622.7	654.9	744.2
80°	263.6	264.7	262.6	261.6	282.3	320.7	377.8	452.5	448.4	448.4	494.0
82.5°	167.1	167.1	170.2	159.8	157.8	161.9	175.4	205.5	207.6	227.3	242.9
85°	106.9	107.9	107.9	97.6	94.4	97.6	106.9	116.2	120.4	140.1	157.8
87.5°	77.8	77.8	75.8	73.7	74.7	77.8	85.1	93.4	100.7	116.2	131.8
90°	59.2	59.2	58.1	57.1	59.2	63.3	72.7	82.0	91.3	109.0	123.5
92.5°	48.8	48.8	47.7	47.7	48.8	51.9	60.2	70.6	79.9	94.4	107.9
95°	40.5	41.5	40.5	41.5	42.6	44.6	49.8	58.1	64.4	73.7	83.0
97.5°	32.2	33.2	33.2	33.2	34.3	37.4	40.5	45.7	49.8	54.0	60.2
100°	23.9	24.9	24.9	24.9	25.9	29.1	32.2	34.3	35.3	36.3	39.4
102.5°	17.6	18.7	18.7	18.7	18.7	20.8	21.8	22.8	22.8	22.8	23.9
105°	12.5	12.5	12.5	12.5	12.5	12.5	13.5	13.5	13.5	13.5	13.5
107.5°	9.3	9.3	9.3	9.3	9.3	9.3	10.4	10.4	10.4	10.4	10.4
110°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.3	8.3	8.3	9.3

REPORT NUMBER: P691072

CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.3	7.3	7.3	7.3	7.3	7.3	8.3	8.3	7.3	7.3	7.3
115°	6.2	6.2	6.2	6.2	6.2	6.2	7.3	7.3	6.2	6.2	6.2
117.5°	5.2	5.2	5.2	5.2	5.2	5.2	6.2	6.2	5.2	6.2	6.2
120°	5.2	6.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.2
122.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2
125°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P691072

CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7	511.7
2.5°	513.8	515.8	520.0	524.1	528.3	532.4	534.5	535.6	536.6	534.5	535.6
5°	526.2	528.3	534.5	540.7	539.7	536.6	532.4	532.4	533.5	533.5	535.6
7.5°	532.4	535.6	533.5	534.5	536.6	533.5	529.3	524.1	517.9	517.9	519.0
10°	531.4	528.3	531.4	528.3	521.0	520.0	517.9	510.6	506.5	507.5	507.5
12.5°	531.4	530.4	524.1	521.0	514.8	503.4	498.2	500.3	495.1	496.1	494.0
15°	539.7	532.4	524.1	513.8	500.3	494.0	486.8	475.4	474.3	474.3	474.3
17.5°	544.9	539.7	521.0	500.3	490.9	475.4	467.1	463.9	455.6	458.8	460.8
20°	557.4	544.9	517.9	496.1	463.9	454.6	441.1	438.0	433.8	421.4	417.2
22.5°	567.7	556.3	514.8	476.4	449.4	427.6	406.9	392.3	385.1	379.9	375.7
25°	590.6	572.9	517.9	467.1	425.5	397.5	378.8	352.9	335.2	333.2	335.2
27.5°	620.7	592.6	525.2	454.6	406.9	363.3	325.9	308.3	289.6	283.3	284.4
30°	659.1	621.7	524.1	443.2	373.6	323.8	276.1	246.0	231.5	225.2	224.2
32.5°	714.1	662.2	548.0	428.7	343.5	268.8	216.9	179.6	172.3	171.3	170.2
35°	768.0	727.6	559.4	406.9	300.0	215.9	164.0	141.2	140.1	139.1	138.0
37.5°	839.7	791.9	591.6	393.4	258.4	163.0	131.8	115.2	112.1	106.9	109.0
40°	807.5	768.0	600.9	372.6	200.3	120.4	98.6	85.1	83.0	84.1	83.0
42.5°	679.8	650.8	524.1	320.7	138.0	88.2	73.7	75.8	79.9	83.0	83.0
45°	659.1	602.0	377.8	227.3	89.3	73.7	71.6	74.7	82.0	89.3	90.3
47.5°	796.1	723.4	331.1	175.4	102.8	84.1	76.8	76.8	81.0	82.0	81.0
50°	1128.2	1018.2	387.1	201.4	127.7	101.7	88.2	83.0	85.1	87.2	86.1
52.5°	1368.0	1229.9	441.1	240.8	159.8	121.4	103.8	91.3	89.3	89.3	88.2
55°	1508.1	1351.4	504.4	296.8	200.3	146.3	120.4	105.9	100.7	96.5	96.5
57.5°	1515.3	1355.5	570.8	351.8	250.1	182.7	143.2	123.5	119.4	110.0	107.9
60°	1464.5	1337.9	621.7	406.9	297.9	233.5	182.7	153.6	148.4	143.2	140.1
62.5°	1417.8	1308.8	646.6	452.5	348.7	290.6	232.5	192.0	175.4	181.6	185.8
65°	1357.6	1276.6	630.0	456.7	371.6	324.9	268.8	209.7	181.6	195.1	202.4
67.5°	1265.2	1192.6	588.5	419.3	346.7	304.1	252.2	197.2	175.4	180.6	180.6
70°	1171.8	1094.0	548.0	390.3	312.4	267.8	219.0	176.4	173.3	170.2	170.2
72.5°	1061.8	969.4	495.1	372.6	298.9	260.5	212.8	177.5	185.8	189.9	189.9
75°	922.7	819.9	439.0	357.0	292.7	265.7	213.8	191.0	205.5	207.6	207.6
77.5°	755.6	643.5	373.6	329.0	275.0	255.3	199.3	187.9	202.4	205.5	206.5
80°	520.0	455.6	313.4	286.5	246.0	229.4	183.7	182.7	197.2	204.5	205.5
82.5°	263.6	259.5	228.3	225.2	209.7	200.3	170.2	177.5	193.1	203.4	204.5
85°	163.0	169.2	152.6	150.5	155.7	159.8	154.6	169.2	180.6	192.0	194.1
87.5°	136.0	143.2	127.7	121.4	123.5	130.8	137.0	152.6	163.0	172.3	173.3
90°	127.7	133.9	109.0	103.8	107.9	113.1	117.3	125.6	133.9	139.1	139.1
92.5°	112.1	114.2	90.3	86.1	92.4	95.5	94.4	96.5	96.5	86.1	86.1
95°	86.1	86.1	68.5	68.5	73.7	74.7	67.5	61.2	57.1	34.3	29.1
97.5°	62.3	61.2	49.8	49.8	54.0	52.9	44.6	37.4	31.1	19.7	20.8
100°	41.5	40.5	33.2	35.3	37.4	33.2	28.0	22.8	18.7	12.5	14.5
102.5°	24.9	23.9	21.8	22.8	21.8	20.8	16.6	13.5	11.4	7.3	8.3
105°	14.5	13.5	13.5	13.5	13.5	12.5	11.4	8.3	6.2	4.2	4.2
107.5°	10.4	10.4	10.4	9.3	9.3	8.3	7.3	6.2	4.2	3.1	2.1
110°	9.3	8.3	8.3	8.3	7.3	7.3	6.2	5.2	3.1	2.1	2.1

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.3	7.3	7.3	6.2	6.2	5.2	4.2	4.2	3.1	1.0	1.0
115°	6.2	6.2	5.2	5.2	4.2	4.2	3.1	3.1	2.1	1.0	1.0
117.5°	6.2	6.2	4.2	4.2	3.1	3.1	3.1	2.1	1.0	1.0	1.0
120°	6.2	5.2	4.2	3.1	3.1	3.1	2.1	2.1	1.0	0.0	1.0
122.5°	5.2	5.2	3.1	3.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0
125°	4.2	4.2	3.1	2.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0
127.5°	4.2	4.2	3.1	2.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0
130°	3.1	3.1	2.1	2.1	2.1	2.1	1.0	1.0	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)