

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: P691347

Luminaire Tested: **CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3359 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 29.9
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

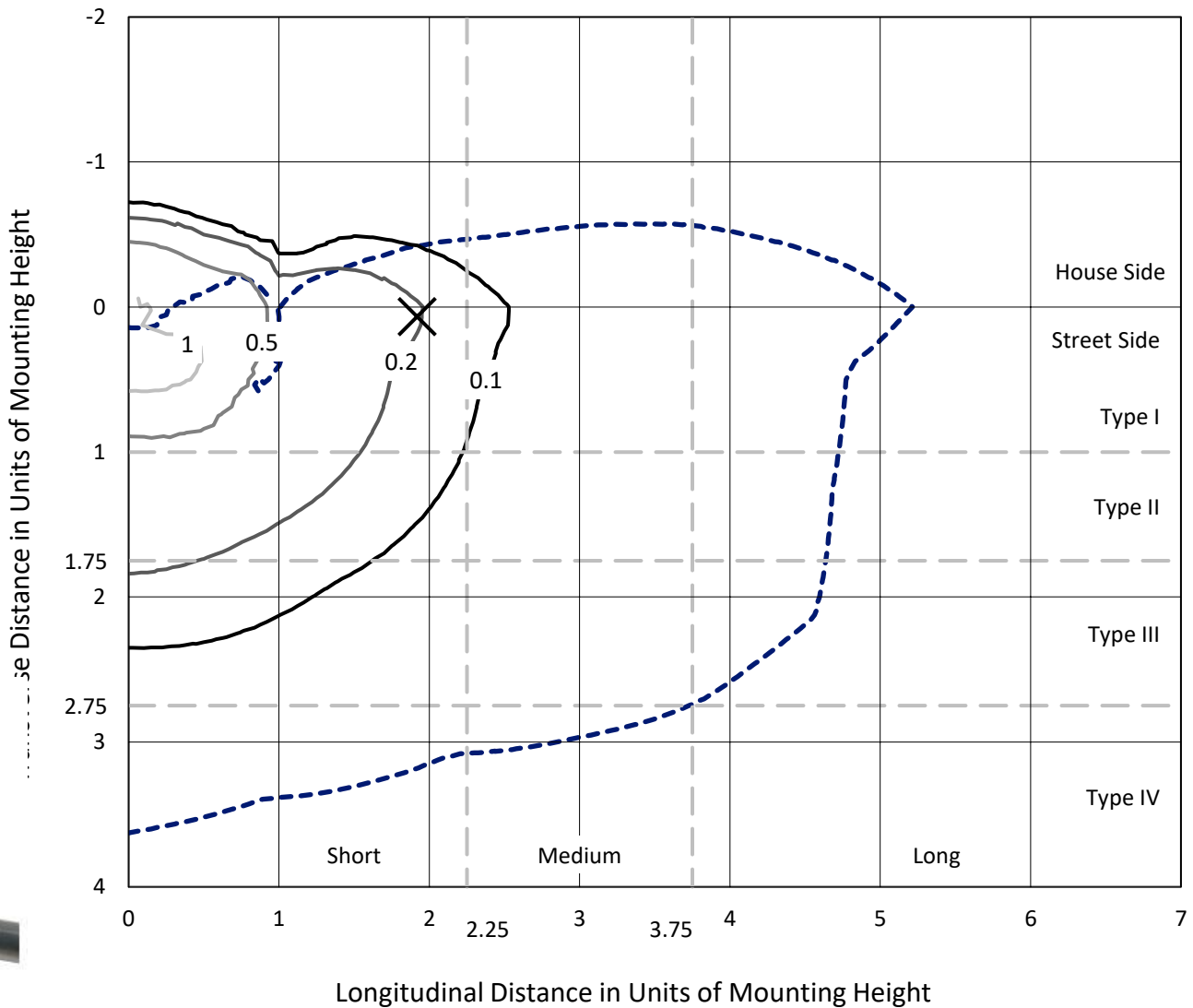


REPORT NUMBER: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

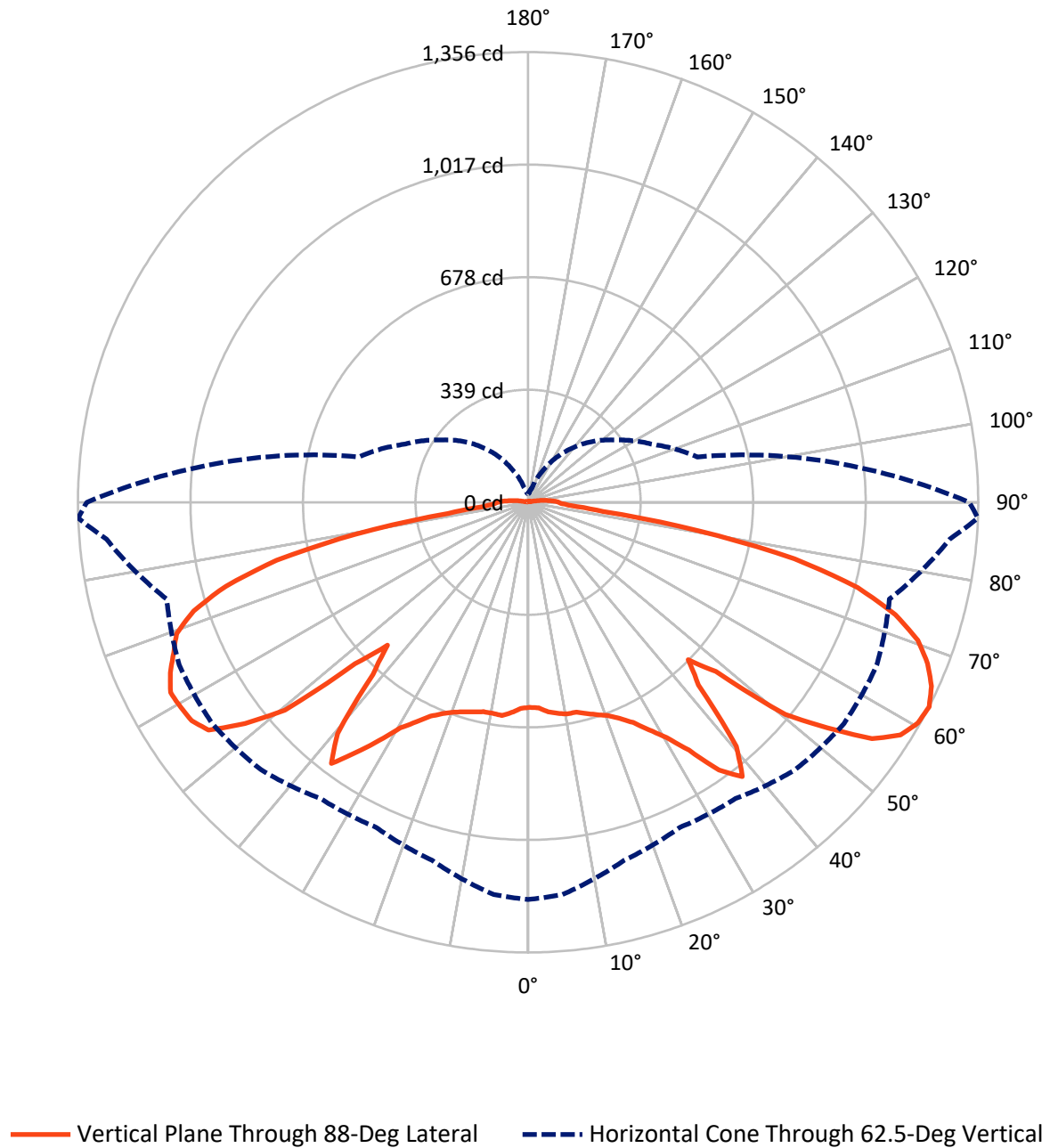


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

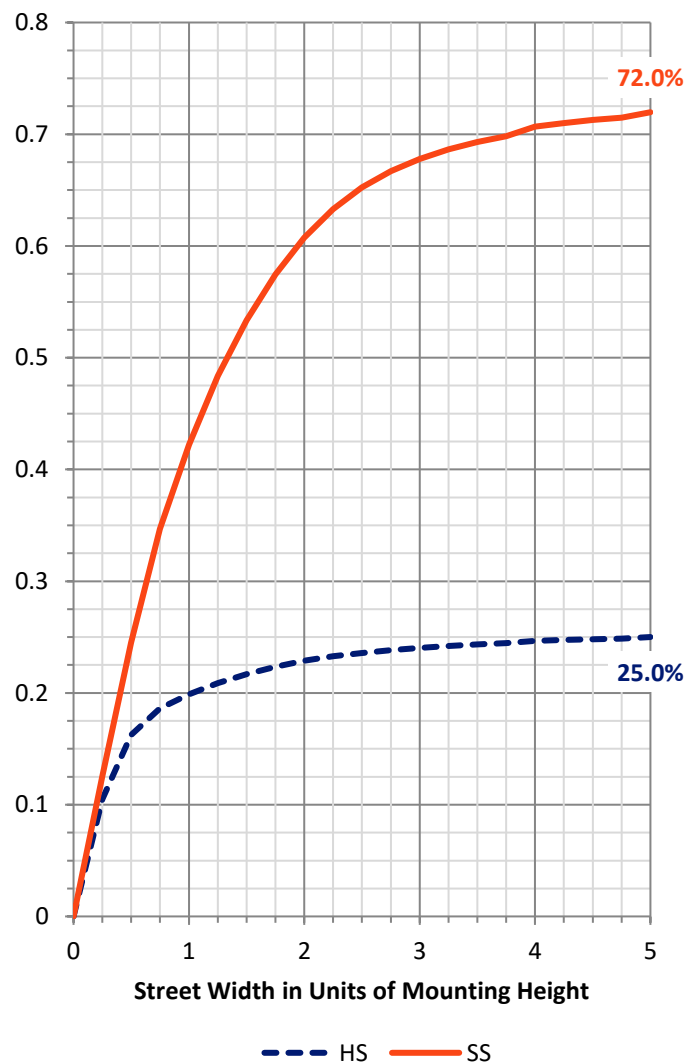
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.6	16.1	870.7
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	2448.6	39.7	2488.3
	% Fixture	72.9	1.2	74.1
Total	Lumens	3303.2	55.8	3359.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.8
10°-20°	185.9	5.5
20°-30°	314.8	9.4
30°-40°	434.6	12.9
40°-50°	375.8	11.2
50°-60°	544.1	16.2
60°-70°	712.3	21.2
70°-80°	540.0	16.1
80°-90°	134.7	4.0
90°-100°	39.6	1.2
100°-110°	9.2	0.3
110°-120°	4.1	0.1
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°	3303.2	98.3
0°-180°	3359.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691347

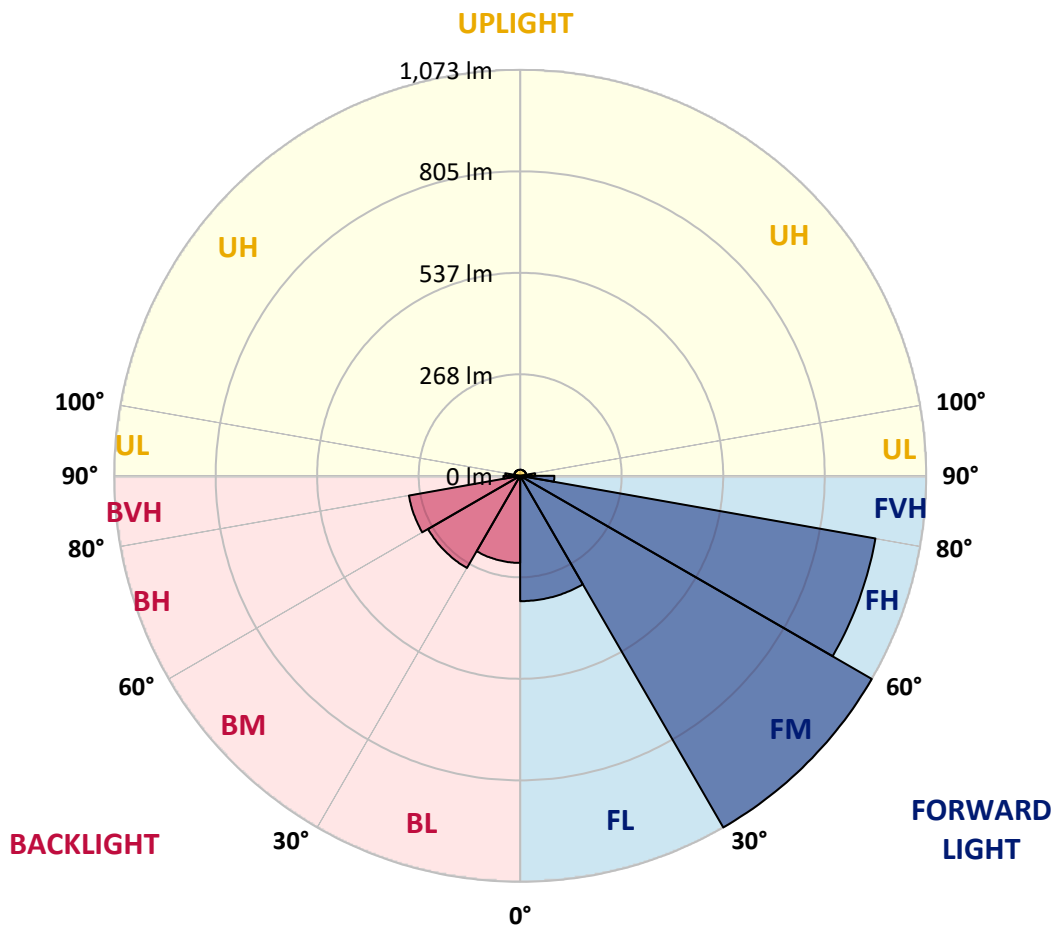
CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.4	9.9			
FM	(30°-60°)	1073.2	31.9			
FH	(60°-80°)	953.5	28.4			G1/1800
FVH	(80°-90°)	90.5	2.7			G1/100
BL	(0°-30°)	230.2	6.9	B1/500		
BM	(30°-60°)	281.4	8.4	B1/1000		
BH	(60°-80°)	298.8	8.9	B1/500		G1/500
BVH	(80°-90°)	44.2	1.3			G1/100
UL	(90°-100°)	39.6	1.2		U2/50	
UH	(100°-180°)	16.2	0.5		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



REPORT NUMBER: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7
2.5°	611.3	611.3	610.0	611.3	613.8	616.4	613.8	615.1	616.4	619.0	620.3
5°	634.4	633.1	630.6	628.0	625.4	625.4	622.9	621.6	624.1	631.9	634.4
7.5°	653.7	649.9	647.3	648.6	644.7	638.3	633.1	630.6	628.0	638.3	642.2
10°	684.6	682.1	673.0	665.3	660.2	649.9	638.3	637.0	635.7	646.0	648.6
12.5°	715.5	712.9	707.8	700.1	683.3	674.3	656.3	648.6	647.3	653.7	648.6
15°	760.6	755.4	741.2	733.5	716.8	702.6	680.8	669.2	671.8	662.7	660.2
17.5°	786.3	783.7	782.4	770.8	758.0	733.5	712.9	696.2	701.4	680.8	673.0
20°	814.6	813.3	815.9	817.2	800.4	778.6	752.8	727.1	728.4	701.4	685.9
22.5°	850.6	846.8	851.9	858.4	844.2	826.2	792.7	772.1	761.8	725.8	707.8
25°	893.1	891.8	891.8	903.4	900.8	876.4	844.2	821.0	810.7	761.8	734.8
27.5°	936.9	938.1	940.7	948.4	952.3	938.1	907.3	886.7	867.4	803.0	776.0
30°	965.2	965.2	983.2	994.8	999.9	999.9	962.6	947.2	927.8	855.8	822.3
32.5°	999.9	1002.5	1019.2	1038.5	1046.2	1056.5	1025.7	1014.1	997.3	921.4	890.5
35°	1024.4	1028.2	1054.0	1083.6	1104.2	1109.3	1091.3	1096.4	1088.7	1007.6	990.9
37.5°	917.6	927.8	966.5	1024.4	1079.7	1133.8	1153.1	1178.8	1182.7	1088.7	1048.8
40°	799.2	803.0	846.8	889.2	957.4	1001.2	1050.1	1106.7	1075.8	974.2	966.5
42.5°	709.1	725.8	786.3	818.5	871.2	881.5	857.1	821.0	765.7	756.7	752.8
45°	693.6	710.4	770.8	823.6	849.3	723.2	655.0	607.4	629.3	683.3	676.9
47.5°	765.7	786.3	849.3	909.8	857.1	716.8	671.8	670.5	652.5	745.1	761.8
50°	809.5	826.2	899.5	898.2	855.8	787.6	812.0	785.0	752.8	911.1	1005.1
52.5°	831.3	846.8	872.5	904.7	908.5	903.4	909.8	888.0	839.1	1057.8	1128.6
55°	770.8	809.5	921.4	976.7	999.9	985.8	989.6	974.2	942.0	1149.2	1257.3
57.5°	965.2	985.8	1026.9	1041.1	1055.2	1048.8	1054.0	1048.8	1019.2	1217.4	1322.9
60°	1077.1	1077.1	1095.1	1072.0	1079.7	1101.6	1117.0	1117.0	1086.1	1267.6	1349.9
62.5°	1196.8	1186.5	1117.0	1081.0	1090.0	1138.9	1162.1	1159.5	1127.3	1275.3	1356.4
65°	1173.6	1155.6	1131.2	1052.7	1063.0	1131.2	1163.3	1162.1	1128.6	1247.0	1335.8
67.5°	1001.2	1017.9	1047.5	1041.1	1015.4	1093.9	1144.0	1146.6	1108.0	1199.4	1298.5
70°	867.4	877.7	895.7	949.7	961.3	1042.4	1122.2	1133.8	1082.3	1144.0	1245.7
72.5°	755.4	761.8	747.7	803.0	844.2	951.0	1045.0	1066.8	1014.1	1048.8	1156.9
75°	646.0	631.9	615.1	639.6	671.8	785.0	899.5	943.3	897.0	918.8	1025.7
77.5°	501.9	481.3	464.6	471.0	500.6	598.4	709.1	778.6	737.4	736.1	821.0
80°	342.3	324.3	312.7	310.1	332.0	392.5	472.3	554.6	518.6	483.9	521.2
82.5°	213.6	213.6	203.3	187.9	186.6	198.2	213.6	234.2	221.3	216.2	227.8
85°	133.8	135.1	130.0	113.2	109.4	112.0	119.7	124.8	121.0	124.8	128.7
87.5°	93.9	92.7	86.2	83.6	82.4	86.2	92.7	95.2	95.2	99.1	99.1
90°	70.8	70.8	66.9	65.6	65.6	69.5	75.9	81.1	84.9	91.4	91.4
92.5°	59.2	59.2	56.6	55.3	55.3	56.6	61.8	68.2	72.1	78.5	75.9
95°	48.9	48.9	47.6	47.6	47.6	48.9	51.5	55.3	56.6	56.6	56.6
97.5°	38.6	37.3	36.0	36.0	36.0	37.3	38.6	42.5	43.8	39.9	39.9
100°	27.0	25.7	24.5	25.7	25.7	25.7	27.0	28.3	28.3	25.7	24.5
102.5°	16.7	16.7	16.7	16.7	15.4	15.4	15.4	15.4	14.2	12.9	12.9
105°	11.6	11.6	10.3	10.3	10.3	10.3	9.0	9.0	9.0	7.7	7.7
107.5°	9.0	9.0	9.0	9.0	9.0	7.7	7.7	7.7	7.7	6.4	6.4
110°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	6.4	6.4	5.1	5.1

REPORT NUMBER: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	7.7	7.7	7.7	7.7	7.7	6.4	6.4	6.4	6.4	5.1	5.1
115°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.1	5.1
117.5°	6.4	6.4	6.4	6.4	6.4	6.4	5.1	5.1	5.1	6.4	5.1
120°	6.4	6.4	6.4	6.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
122.5°	6.4	6.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
125°	5.1	5.1	5.1	5.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9
127.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
130°	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6
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: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7
2.5°	620.3	622.9	628.0	634.4	639.6	643.4	646.0	648.6	648.6	646.0	648.6
5°	634.4	637.0	646.0	652.5	652.5	648.6	646.0	644.7	647.3	648.6	651.2
7.5°	646.0	648.6	644.7	647.3	649.9	646.0	640.9	637.0	633.1	629.3	631.9
10°	647.3	640.9	640.9	638.3	629.3	630.6	629.3	622.9	617.7	619.0	620.3
12.5°	646.0	643.4	633.1	628.0	624.1	611.3	606.1	610.0	602.3	606.1	601.0
15°	657.6	644.7	634.4	621.6	607.4	601.0	592.0	579.1	574.0	575.2	576.5
17.5°	665.3	652.5	628.0	604.8	597.1	576.5	566.2	559.8	550.8	552.1	557.2
20°	678.2	658.9	624.1	599.7	562.4	548.2	535.3	527.6	519.9	508.3	503.2
22.5°	696.2	671.8	619.0	574.0	541.8	517.3	489.0	469.7	459.4	451.7	450.4
25°	719.4	691.1	620.3	562.4	510.9	474.9	450.4	417.0	392.5	389.9	393.8
27.5°	761.8	712.9	628.0	544.4	485.2	429.8	384.8	361.6	333.3	326.9	326.9
30°	803.0	747.7	622.9	528.9	441.4	379.6	319.1	275.4	260.0	248.4	247.1
32.5°	878.9	796.6	649.9	505.7	401.5	305.0	238.1	190.5	180.2	176.3	175.0
35°	948.4	863.5	652.5	476.1	342.3	236.8	171.2	139.0	132.5	128.7	127.4
37.5°	1023.1	927.8	678.2	451.7	284.4	167.3	123.5	99.1	91.4	86.2	83.6
40°	936.9	850.6	666.6	410.5	211.0	106.8	77.2	54.0	46.3	46.3	46.3
42.5°	733.5	646.0	504.5	332.0	123.5	61.8	38.6	37.3	38.6	39.9	39.9
45°	649.9	535.3	308.9	176.3	51.5	34.7	30.9	29.6	33.5	37.3	38.6
47.5°	764.4	637.0	238.1	123.5	55.3	34.7	28.3	28.3	27.0	24.5	24.5
50°	1033.4	859.6	272.8	141.6	69.5	38.6	28.3	24.5	24.5	25.7	27.0
52.5°	1165.9	957.4	321.7	184.0	101.7	52.8	30.9	24.5	21.9	18.0	18.0
55°	1280.5	1034.7	380.9	238.1	149.3	82.4	43.8	25.7	21.9	18.0	16.7
57.5°	1317.8	1043.7	444.0	299.8	203.3	128.7	75.9	36.0	23.2	19.3	18.0
60°	1322.9	1054.0	491.6	365.5	265.1	187.9	124.8	65.6	29.6	23.2	21.9
62.5°	1329.4	1056.5	527.6	413.1	326.9	254.8	180.2	104.2	45.0	27.0	25.7
65°	1306.2	1025.7	518.6	402.8	344.9	281.8	207.2	122.3	51.5	30.9	29.6
67.5°	1267.6	998.6	481.3	370.6	311.4	245.8	177.6	99.1	47.6	36.0	34.7
70°	1236.7	971.6	462.0	368.1	288.3	214.9	142.8	72.1	56.6	48.9	46.3
72.5°	1160.8	907.3	446.6	366.8	288.3	209.8	139.0	77.2	77.2	78.5	73.4
75°	1033.4	810.7	423.4	356.5	281.8	208.5	133.8	83.6	83.6	74.6	70.8
77.5°	853.2	664.0	374.5	325.6	256.1	184.0	109.4	69.5	66.9	57.9	55.3
80°	564.9	476.1	298.6	269.0	211.0	148.0	81.1	54.0	50.2	42.5	39.9
82.5°	253.5	227.8	189.2	190.5	151.9	105.5	55.3	37.3	34.7	28.3	27.0
85°	139.0	131.3	103.0	90.1	77.2	55.3	32.2	24.5	20.6	15.4	15.4
87.5°	105.5	101.7	75.9	59.2	45.0	32.2	20.6	15.4	11.6	7.7	6.4
90°	96.5	91.4	61.8	47.6	36.0	25.7	16.7	10.3	7.7	5.1	3.9
92.5°	81.1	77.2	50.2	39.9	30.9	23.2	14.2	7.7	5.1	2.6	2.6
95°	59.2	57.9	37.3	30.9	24.5	19.3	11.6	6.4	3.9	2.6	1.3
97.5°	39.9	38.6	27.0	23.2	19.3	14.2	9.0	5.1	2.6	1.3	1.3
100°	24.5	24.5	16.7	15.4	12.9	10.3	6.4	3.9	2.6	1.3	1.3
102.5°	12.9	11.6	9.0	9.0	7.7	6.4	5.1	2.6	1.3	0.0	0.0
105°	7.7	6.4	6.4	5.1	5.1	3.9	3.9	2.6	1.3	0.0	0.0
107.5°	6.4	5.1	5.1	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0
110°	5.1	5.1	3.9	3.9	2.6	2.6	2.6	1.3	0.0	0.0	0.0

REPORT NUMBER: P691347

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	3.9	3.9	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0
115°	5.1	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
117.5°	5.1	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
120°	5.1	3.9	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
122.5°	5.1	3.9	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
125°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
127.5°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
130°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	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)