

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: P691316

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691316
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-C015-D-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3821 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

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



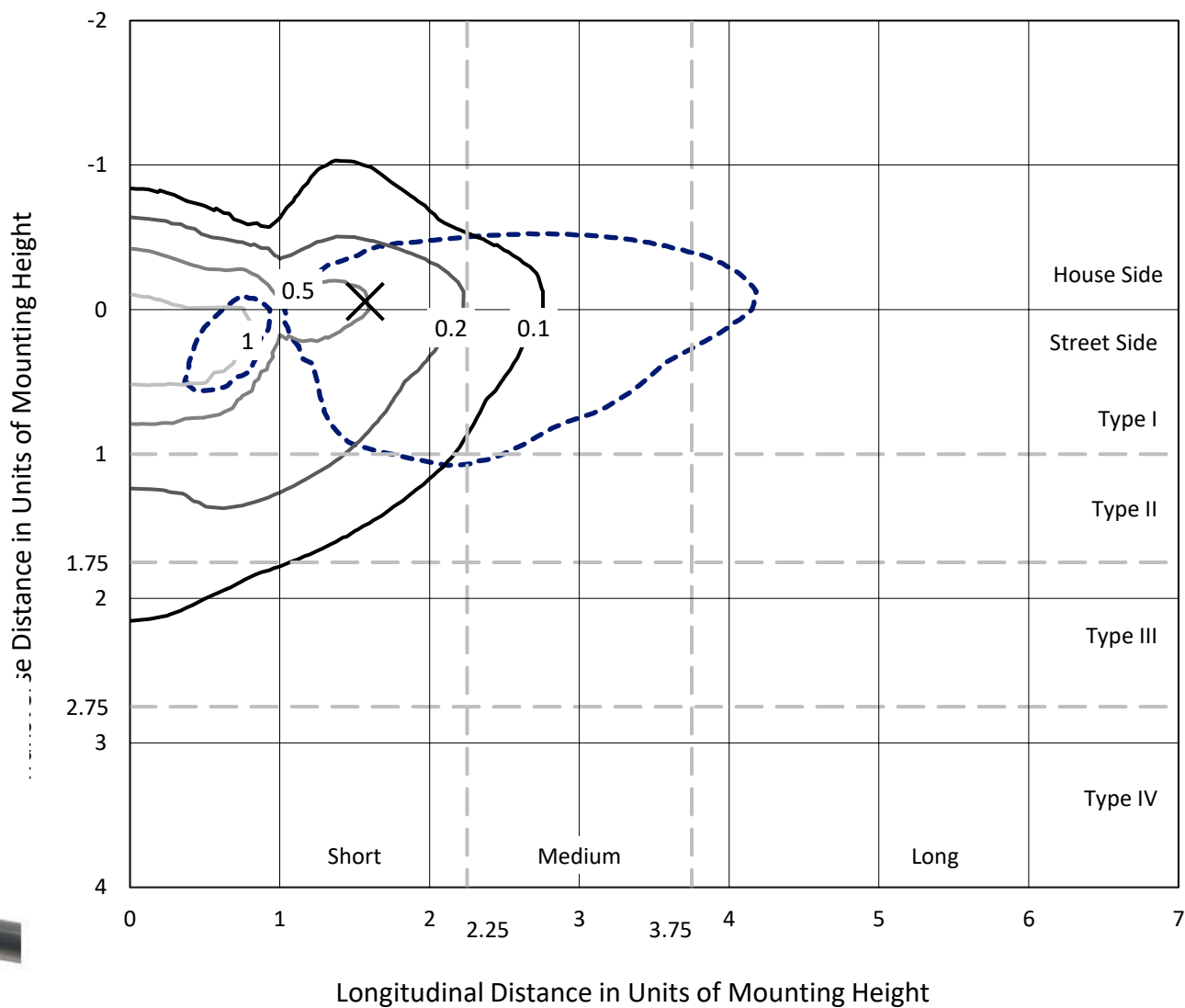
REPORT NUMBER: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

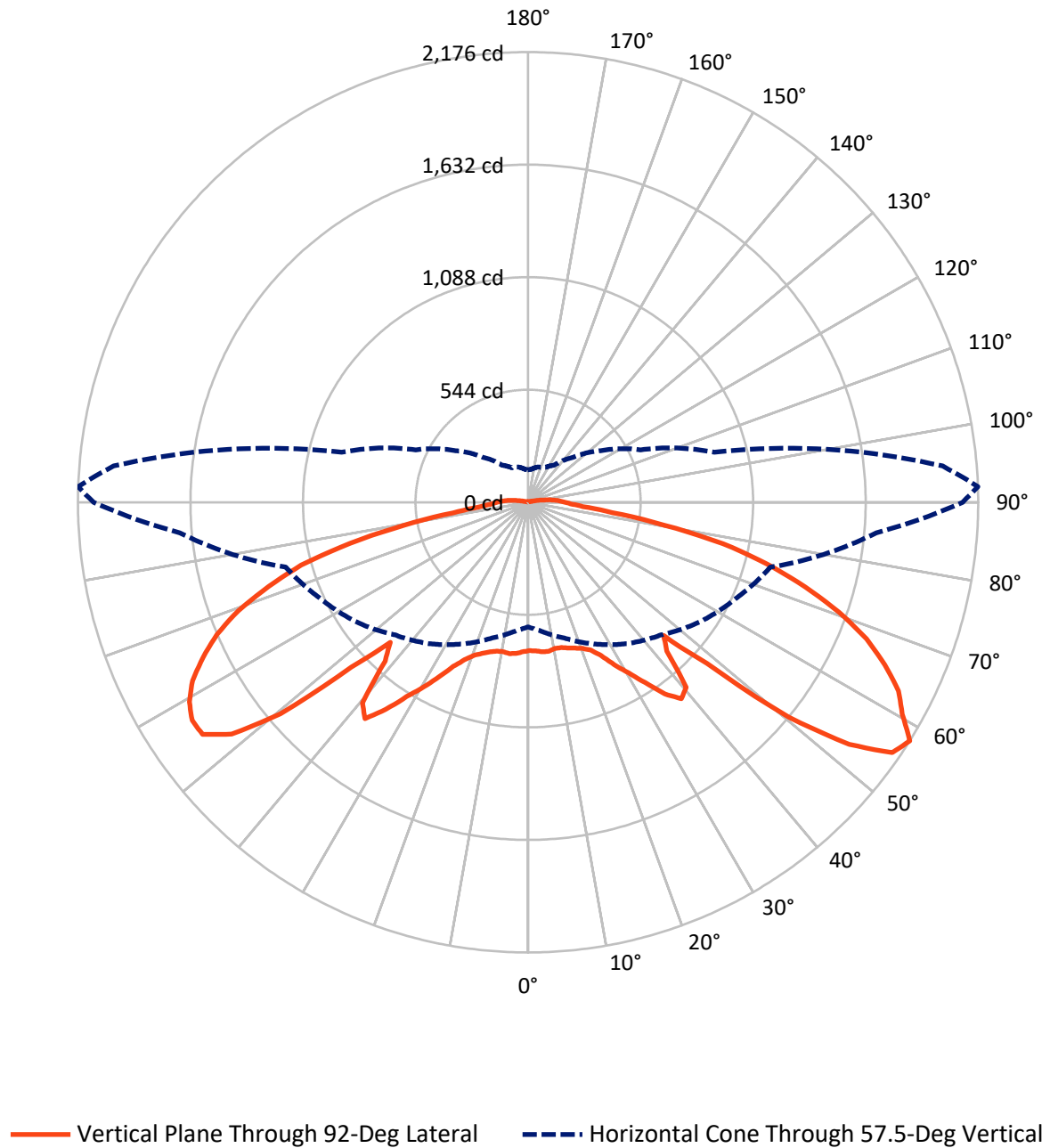


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type I - Short - N/A

REPORT NUMBER: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

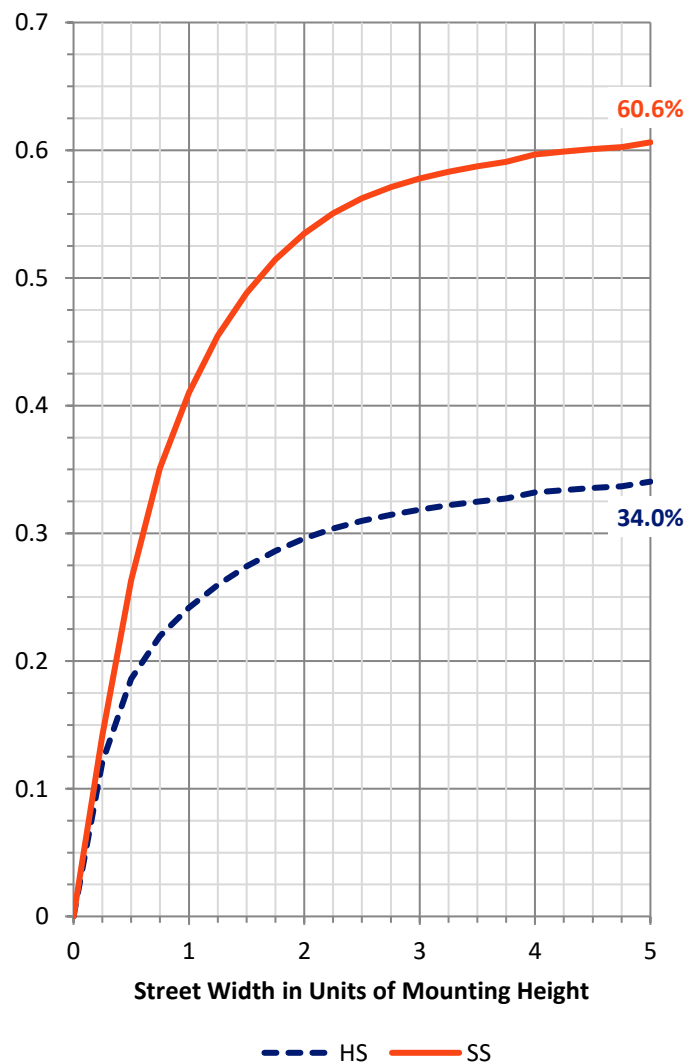
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1363.4	59.6	1422.9
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2349.4	48.6	2398.1
	% Fixture	61.5	1.3	62.8
Total	Lumens	3712.8	108.2	3821.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	1.8
10°-20°	202.5	5.3
20°-30°	335.8	8.8
30°-40°	464.8	12.2
40°-50°	434.0	11.4
50°-60°	648.5	17.0
60°-70°	770.3	20.2
70°-80°	565.3	14.8
80°-90°	222.9	5.8
90°-100°	78.5	2.1
100°-110°	18.6	0.5
110°-120°	7.1	0.2
120°-130°	3.7	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°	3712.8	97.2
0°-180°	3821.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691316

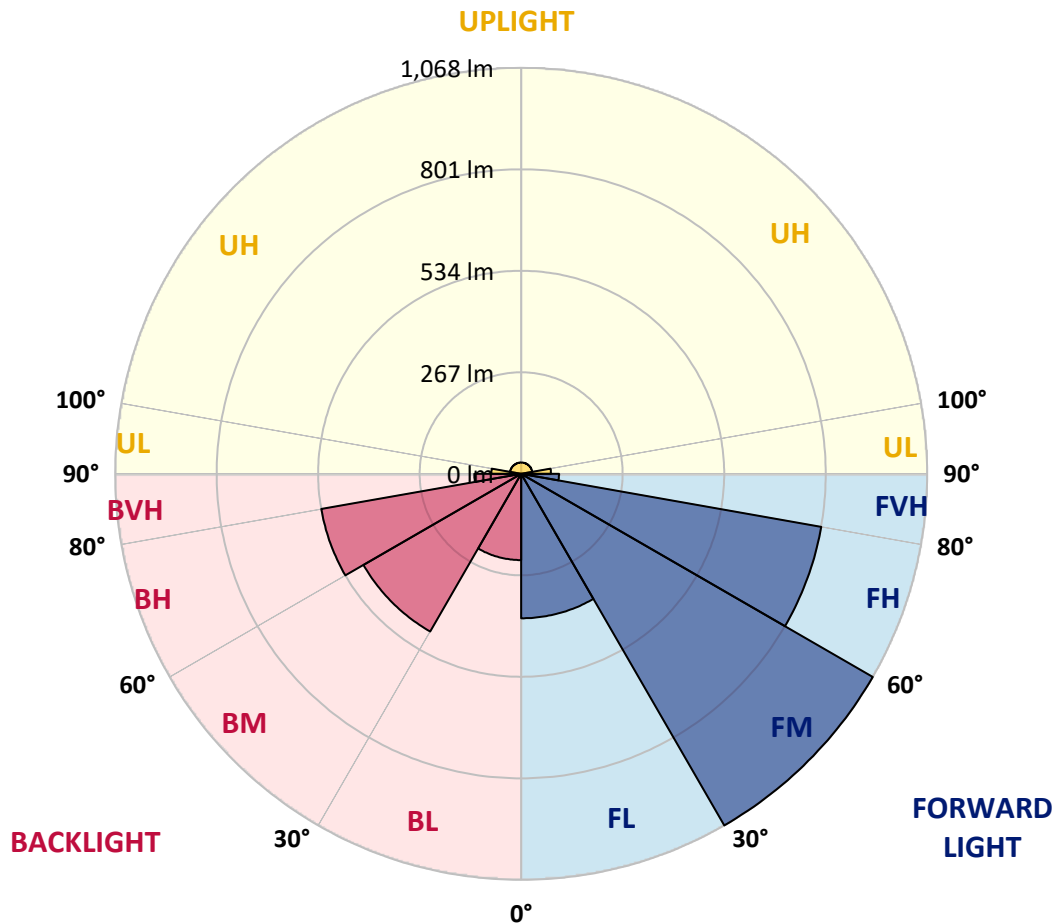
CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.1	9.9			
FM	(30°-60°)	1068.1	28.0			
FH	(60°-80°)	801.6	21.0			G1/1800
FVH	(80°-90°)	99.6	2.6			G1/100
BL	(0°-30°)	226.9	5.9	B1/500		
BM	(30°-60°)	479.1	12.5	B1/1000		
BH	(60°-80°)	534.1	14.0	B2/1000		G2/1000
BVH	(80°-90°)	123.3	3.2			G2/225
UL	(90°-100°)	78.5	2.1		U3/500	
UH	(100°-180°)	29.7	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short



REPORT NUMBER: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8
2.5°	747.6	742.5	743.8	742.5	739.9	737.3	734.8	732.2	728.3	724.5	721.9
5°	791.4	786.2	786.2	786.2	781.1	773.4	763.1	756.6	747.6	737.3	729.6
7.5°	821.0	817.1	815.8	814.6	808.1	803.0	791.4	770.8	756.6	743.8	732.2
10°	831.3	831.3	830.0	826.1	819.7	813.3	805.5	786.2	763.1	741.2	725.8
12.5°	850.6	853.2	849.3	842.9	840.3	832.6	821.0	805.5	779.8	746.4	728.3
15°	880.2	878.9	873.7	872.5	869.9	860.9	850.6	831.3	801.7	759.2	738.6
17.5°	893.1	891.8	891.8	891.8	891.8	885.3	884.0	862.2	831.3	779.8	754.1
20°	895.6	895.6	899.5	908.5	909.8	908.5	914.9	900.8	864.7	805.5	770.8
22.5°	912.4	913.6	920.1	929.1	935.5	938.1	943.2	949.7	916.2	846.7	803.0
25°	903.3	909.8	923.9	938.1	953.5	962.5	990.8	1012.7	984.4	907.2	848.0
27.5°	887.9	893.1	921.4	947.1	981.8	1019.2	1060.3	1088.6	1071.9	981.8	920.1
30°	902.1	902.1	920.1	962.5	1007.6	1075.8	1136.3	1167.1	1159.4	1060.3	1003.7
32.5°	872.5	880.2	918.8	980.6	1048.8	1137.5	1199.3	1257.2	1264.9	1162.0	1070.6
35°	785.0	801.7	827.4	908.5	1024.3	1178.7	1273.9	1347.3	1379.5	1277.8	1171.0
37.5°	648.6	655.0	709.0	790.1	927.8	1080.9	1245.6	1424.5	1491.4	1365.3	1271.4
40°	572.6	576.5	611.2	682.0	797.8	948.4	1087.4	1271.4	1324.1	1311.3	1222.5
42.5°	546.9	553.3	594.5	662.7	760.5	864.7	900.8	980.6	960.0	1015.3	1043.6
45°	577.8	581.6	611.2	670.4	732.2	777.2	751.5	808.1	836.4	945.8	952.2
47.5°	599.7	602.2	634.4	709.0	719.3	720.6	755.4	788.8	867.3	1104.1	1209.6
50°	514.7	527.6	589.4	653.7	658.9	760.5	859.6	926.5	1023.0	1454.1	1656.1
52.5°	477.4	483.8	550.8	662.7	737.3	855.7	926.5	993.4	1086.1	1605.9	1961.1
55°	523.7	534.0	613.8	738.6	813.3	894.3	983.1	1065.5	1156.8	1684.4	2097.5
57.5°	602.2	621.5	679.4	755.4	833.9	907.2	1010.2	1105.4	1212.2	1689.6	2100.1
60°	757.9	743.8	711.6	745.1	821.0	904.6	1023.0	1124.7	1243.1	1688.3	2040.9
62.5°	864.7	844.2	737.3	721.9	792.7	877.6	994.7	1122.1	1236.6	1631.7	1974.0
65°	844.2	830.0	747.6	691.0	742.5	833.9	956.1	1106.7	1205.7	1571.2	1853.0
67.5°	728.3	711.6	676.9	655.0	680.7	787.5	920.1	1075.8	1169.7	1501.7	1720.5
70°	594.5	585.5	573.9	597.1	629.3	729.6	854.4	1008.9	1101.5	1369.2	1578.9
72.5°	504.4	499.3	485.1	509.6	563.6	653.7	757.9	912.4	1016.6	1190.3	1403.9
75°	424.6	425.9	418.2	433.7	468.4	557.2	639.5	790.1	905.9	1021.7	1214.8
77.5°	348.7	344.9	352.6	361.6	384.8	449.1	504.4	635.7	773.4	810.7	931.7
80°	254.8	261.2	275.4	274.1	293.4	321.7	359.0	428.5	543.0	580.4	626.7
82.5°	180.2	187.9	200.7	186.6	189.2	196.9	213.6	245.8	306.3	343.6	382.2
85°	127.4	131.3	133.8	123.5	123.5	128.7	140.3	163.4	200.7	223.9	244.5
87.5°	92.7	93.9	99.1	93.9	95.2	97.8	108.1	123.5	154.4	171.1	187.9
90°	70.8	70.8	73.3	72.1	74.6	79.8	90.1	102.9	126.1	146.7	162.1
92.5°	51.5	51.5	54.0	55.3	56.6	63.1	72.1	82.4	97.8	123.5	139.0
95°	39.9	39.9	42.5	42.5	43.8	48.9	56.6	66.9	78.5	96.5	110.7
97.5°	29.6	29.6	32.2	32.2	33.5	37.3	43.8	50.2	60.5	72.1	78.5
100°	23.2	23.2	24.4	24.4	25.7	29.6	33.5	37.3	39.9	46.3	48.9
102.5°	19.3	19.3	19.3	19.3	19.3	21.9	23.2	23.2	24.4	28.3	29.6
105°	15.4	15.4	15.4	14.2	14.2	15.4	15.4	15.4	16.7	16.7	18.0
107.5°	11.6	11.6	11.6	11.6	11.6	12.9	12.9	12.9	12.9	14.2	14.2
110°	10.3	10.3	10.3	10.3	10.3	10.3	11.6	11.6	11.6	11.6	11.6

REPORT NUMBER: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.0	9.0	9.0	9.0	9.0	9.0	10.3	10.3	10.3	10.3	10.3
115°	7.7	7.7	7.7	7.7	7.7	9.0	10.3	9.0	9.0	9.0	9.0
117.5°	6.4	6.4	6.4	7.7	7.7	7.7	9.0	7.7	7.7	7.7	9.0
120°	5.1	5.1	6.4	6.4	6.4	6.4	6.4	6.4	7.7	7.7	7.7
122.5°	5.1	5.1	5.1	5.1	5.1	6.4	6.4	6.4	6.4	6.4	7.7
125°	3.9	3.9	3.9	5.1	5.1	5.1	5.1	5.1	5.1	6.4	6.4
127.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1	5.1	5.1
130°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8	716.8
2.5°	719.3	719.3	711.6	703.9	696.2	688.4	682.0	678.2	673.0	674.3	674.3
5°	725.8	721.9	705.2	694.9	683.3	673.0	662.7	653.7	651.1	649.8	644.7
7.5°	727.1	720.6	702.6	687.2	665.3	640.8	629.3	619.0	612.5	617.7	615.1
10°	718.0	710.3	689.7	666.6	635.7	615.1	597.1	586.8	581.6	582.9	581.6
12.5°	720.6	711.6	678.2	643.4	617.7	582.9	561.1	552.0	545.6	545.6	541.8
15°	730.9	715.5	667.9	631.8	589.4	559.8	534.0	527.6	525.0	522.4	518.6
17.5°	741.2	719.3	666.6	611.2	563.6	531.5	505.7	494.1	487.7	487.7	486.4
20°	754.1	727.1	658.9	589.4	539.2	496.7	465.8	455.5	450.4	449.1	446.5
22.5°	776.0	747.6	655.0	580.4	507.0	463.3	433.7	414.4	404.1	402.8	402.8
25°	819.7	785.0	662.7	555.9	485.1	428.5	392.5	373.2	361.6	361.6	360.3
27.5°	889.2	833.9	674.3	546.9	444.0	391.2	353.9	324.3	314.0	314.0	315.3
30°	957.4	908.5	703.9	527.6	420.8	342.3	297.3	275.4	262.5	257.4	258.7
32.5°	1038.5	987.0	745.1	514.7	374.5	284.4	243.2	231.6	212.3	207.2	203.3
35°	1137.5	1062.9	791.4	496.7	338.4	241.9	208.5	185.3	176.3	169.9	168.6
37.5°	1204.5	1138.8	832.6	500.6	288.2	218.8	181.4	157.0	148.0	149.3	149.3
40°	1176.2	1100.2	842.9	474.8	245.8	190.4	151.8	137.7	132.5	133.8	135.1
42.5°	983.1	943.2	697.5	424.6	203.3	153.1	127.4	127.4	131.3	127.4	127.4
45°	918.8	818.4	507.0	298.5	153.1	126.1	121.0	124.8	133.8	133.8	133.8
47.5°	1163.3	1050.0	454.2	249.6	171.1	141.5	131.3	124.8	126.1	124.8	124.8
50°	1631.7	1454.1	610.0	311.4	207.2	168.6	149.3	136.4	136.4	133.8	131.3
52.5°	1943.1	1756.5	742.5	389.9	259.9	196.9	171.1	148.0	140.3	135.1	133.8
55°	2136.1	1994.6	857.0	499.3	338.4	234.2	190.4	166.0	154.4	144.1	142.8
57.5°	2176.0	2011.3	932.9	599.7	436.2	307.5	218.8	184.0	176.3	159.6	157.0
60°	2078.2	1968.8	962.5	665.3	521.2	405.3	285.7	213.6	196.9	185.3	182.7
62.5°	2010.0	1883.9	952.2	687.2	573.9	486.4	375.8	262.5	214.9	216.2	227.8
65°	1895.5	1810.6	876.3	655.0	571.3	513.4	422.1	303.7	221.3	218.8	232.9
67.5°	1764.2	1697.3	800.4	584.2	526.3	476.1	392.5	289.5	209.8	196.9	198.2
70°	1595.7	1539.0	723.2	544.3	485.1	422.1	341.0	250.9	207.2	186.6	186.6
72.5°	1401.3	1334.4	658.9	514.7	463.3	405.3	326.9	241.9	222.6	214.9	221.3
75°	1195.5	1110.5	608.7	486.4	447.8	405.3	325.6	241.9	222.6	216.2	216.2
77.5°	963.8	913.6	554.6	441.4	416.9	386.0	299.8	225.2	218.8	216.2	216.2
80°	666.6	658.9	451.7	383.5	377.0	365.5	281.8	217.5	217.5	213.6	208.5
82.5°	409.2	389.9	323.0	287.0	308.8	325.6	256.1	204.6	199.5	195.6	193.0
85°	265.1	266.4	226.5	200.7	213.6	248.4	216.2	185.3	177.6	180.2	180.2
87.5°	203.3	209.8	177.6	163.4	160.9	168.6	169.9	166.0	160.9	157.0	158.3
90°	175.0	177.6	142.8	131.3	130.0	132.5	132.5	140.3	140.3	127.4	119.7
92.5°	146.7	150.6	118.4	106.8	106.8	110.7	113.2	113.2	102.9	83.6	74.6
95°	115.8	118.4	93.9	84.9	86.2	86.2	84.9	81.1	63.1	37.3	33.5
97.5°	81.1	82.4	69.5	64.3	65.6	63.1	55.3	50.2	38.6	21.9	20.6
100°	51.5	52.8	43.8	42.5	46.3	41.2	36.0	33.5	23.2	14.2	16.7
102.5°	30.9	30.9	27.0	25.7	28.3	24.4	21.9	18.0	14.2	9.0	11.6
105°	18.0	18.0	16.7	16.7	16.7	15.4	14.2	11.6	7.7	6.4	6.4
107.5°	14.2	14.2	12.9	12.9	11.6	11.6	10.3	7.7	5.1	3.9	3.9
110°	11.6	11.6	10.3	10.3	10.3	9.0	7.7	6.4	3.9	2.6	2.6

REPORT NUMBER: P691316

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.3	10.3	9.0	9.0	7.7	7.7	6.4	5.1	3.9	2.6	2.6
115°	9.0	9.0	7.7	6.4	6.4	6.4	5.1	3.9	2.6	1.3	2.6
117.5°	9.0	9.0	6.4	5.1	5.1	5.1	3.9	3.9	2.6	1.3	1.3
120°	7.7	7.7	5.1	5.1	3.9	3.9	3.9	2.6	1.3	1.3	1.3
122.5°	6.4	6.4	5.1	3.9	3.9	3.9	2.6	2.6	1.3	1.3	1.3
125°	6.4	6.4	3.9	3.9	3.9	2.6	2.6	2.6	1.3	0.0	0.0
127.5°	5.1	5.1	3.9	3.9	2.6	2.6	2.6	1.3	1.3	0.0	0.0
130°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	1.3	1.3	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)