

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: P691208

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691208
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-C015-5TLD-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4837 lumens
Efficiency: N/A
Efficacy: 147.9 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): 32.7
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



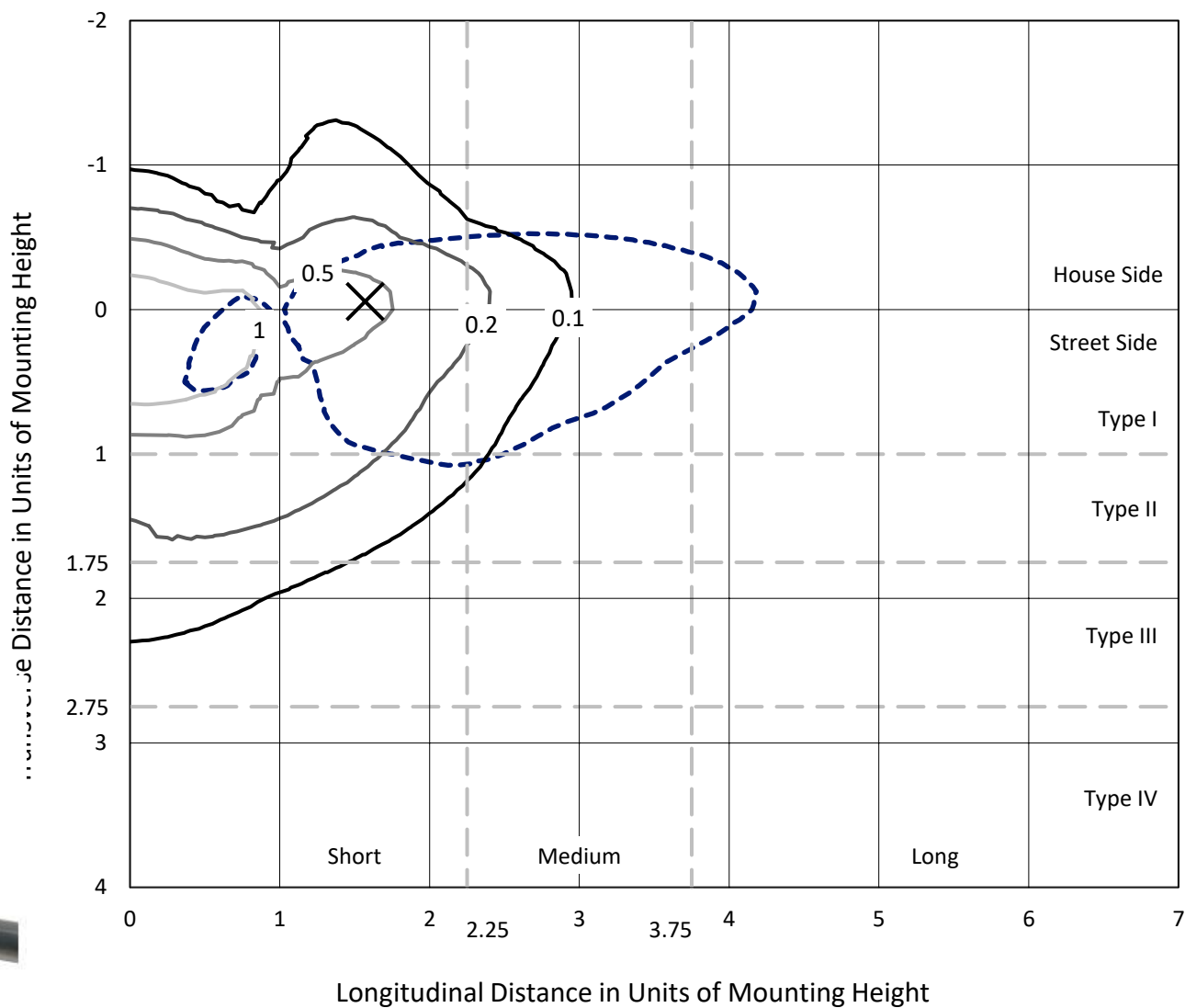
REPORT NUMBER: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



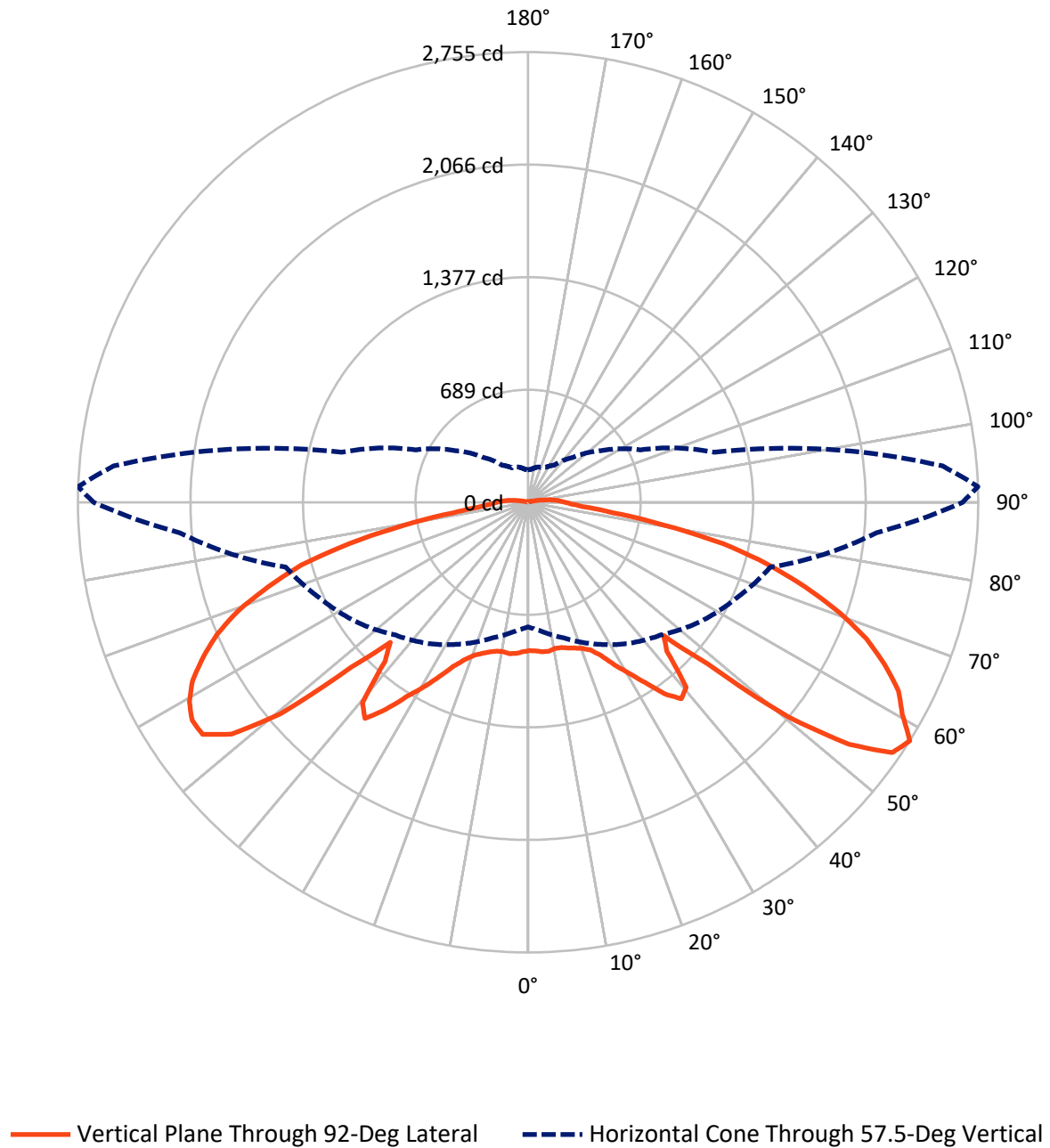
Based on 25 foot mounting height. Maximum calculated value = 1.6 fc

Type I - Short - N/A

REPORT NUMBER: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

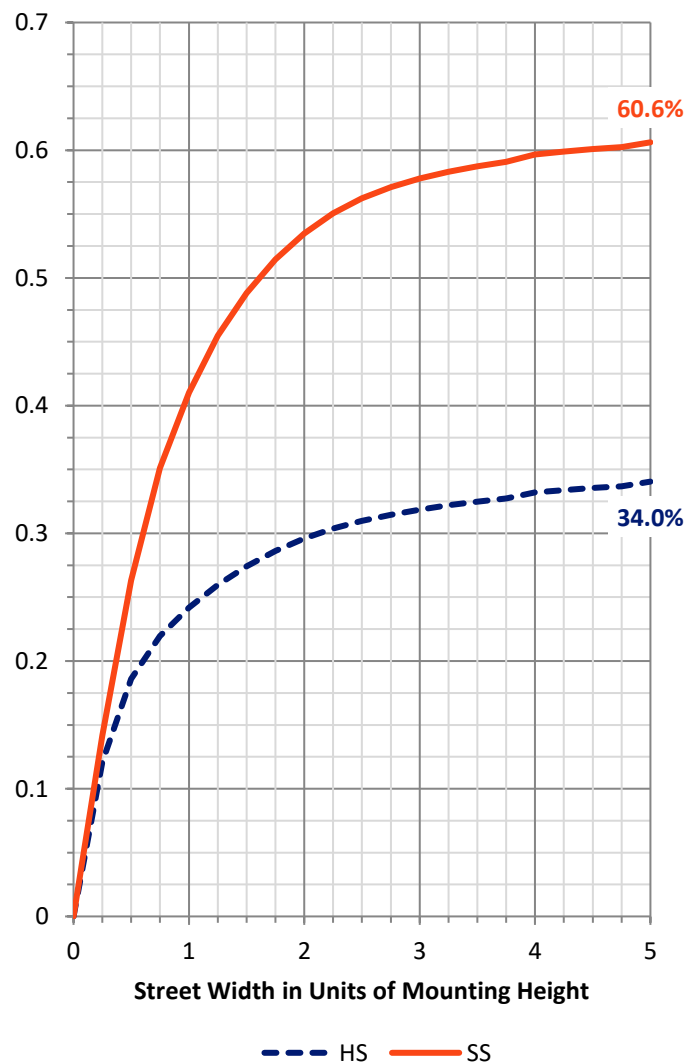
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1725.9	75.4	1801.3
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2974.1	61.6	3035.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	4700.0	137.0	4837.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	1.8
10°-20°	256.3	5.3
20°-30°	425.1	8.8
30°-40°	588.4	12.2
40°-50°	549.4	11.4
50°-60°	820.9	17.0
60°-70°	975.1	20.2
70°-80°	715.7	14.8
80°-90°	282.1	5.8
90°-100°	99.4	2.1
100°-110°	23.5	0.5
110°-120°	9.1	0.2
120°-130°	4.6	0.1
130°-140°	0.4	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°	4700.0	97.2
0°-180°	4837.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691208

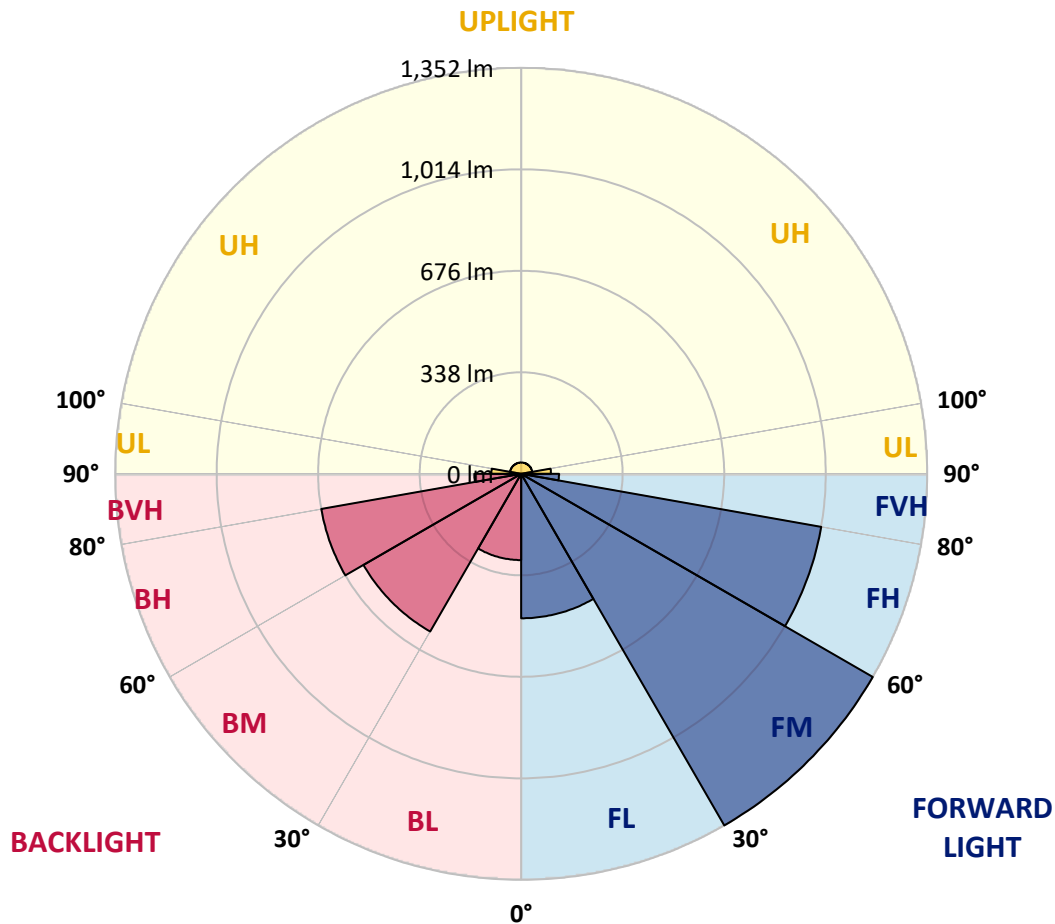
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.2	9.9			
FM	(30°-60°)	1352.2	28.0			
FH	(60°-80°)	1014.7	21.0			G1/1800
FVH	(80°-90°)	126.1	2.6			G2/225
BL	(0°-30°)	287.3	5.9	B1/500		
BM	(30°-60°)	606.5	12.5	B1/1000		
BH	(60°-80°)	676.1	14.0	B2/1000		G2/1000
BVH	(80°-90°)	156.0	3.2			G2/225
UL	(90°-100°)	99.4	2.1		U3/500	
UH	(100°-180°)	37.6	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short



REPORT NUMBER: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3
2.5°	946.4	939.9	941.6	939.9	936.7	933.4	930.1	926.9	922.0	917.1	913.9
5°	1001.8	995.3	995.3	995.3	988.8	979.0	966.0	957.8	946.4	933.4	923.6
7.5°	1039.3	1034.4	1032.8	1031.1	1023.0	1016.5	1001.8	975.8	957.8	941.6	926.9
10°	1052.3	1052.3	1050.7	1045.8	1037.7	1029.5	1019.7	995.3	966.0	938.3	918.7
12.5°	1076.8	1080.0	1075.1	1067.0	1063.7	1054.0	1039.3	1019.7	987.2	944.8	922.0
15°	1114.2	1112.6	1106.1	1104.4	1101.2	1089.8	1076.8	1052.3	1014.9	961.1	935.0
17.5°	1130.5	1128.9	1128.9	1128.9	1128.9	1120.7	1119.1	1091.4	1052.3	987.2	954.6
20°	1133.8	1133.8	1138.7	1150.1	1151.7	1150.1	1158.2	1140.3	1094.7	1019.7	975.8
22.5°	1154.9	1156.6	1164.7	1176.1	1184.3	1187.5	1194.0	1202.2	1159.8	1071.9	1016.5
25°	1143.5	1151.7	1169.6	1187.5	1207.1	1218.5	1254.3	1282.0	1246.2	1148.4	1073.5
27.5°	1124.0	1130.5	1166.4	1198.9	1242.9	1290.2	1342.3	1378.1	1356.9	1242.9	1164.7
30°	1141.9	1141.9	1164.7	1218.5	1275.5	1361.8	1438.4	1477.5	1467.7	1342.3	1270.6
32.5°	1104.4	1114.2	1163.1	1241.3	1327.6	1440.0	1518.2	1591.5	1601.3	1471.0	1355.3
35°	993.7	1014.9	1047.4	1150.1	1296.7	1492.1	1612.7	1705.5	1746.3	1617.6	1482.4
37.5°	821.0	829.2	897.6	1000.2	1174.5	1368.3	1576.9	1803.3	1888.0	1728.3	1609.4
40°	724.9	729.8	773.8	863.4	1010.0	1200.6	1376.5	1609.4	1676.2	1659.9	1547.5
42.5°	692.3	700.5	752.6	838.9	962.7	1094.7	1140.3	1241.3	1215.2	1285.3	1321.1
45°	731.4	736.3	773.8	848.7	926.9	983.9	951.3	1023.0	1058.8	1197.3	1205.4
47.5°	759.1	762.4	803.1	897.6	910.6	912.2	956.2	998.6	1097.9	1397.7	1531.2
50°	651.6	667.9	746.1	827.5	834.0	962.7	1088.2	1172.9	1295.0	1840.7	2096.5
52.5°	604.4	612.5	697.2	838.9	933.4	1083.3	1172.9	1257.6	1374.9	2033.0	2482.6
55°	663.0	676.0	777.0	935.0	1029.5	1132.1	1244.5	1348.8	1464.5	2132.3	2655.2
57.5°	762.4	786.8	860.1	956.2	1055.6	1148.4	1278.8	1399.3	1534.5	2138.9	2658.5
60°	959.5	941.6	900.8	943.2	1039.3	1145.2	1295.0	1423.7	1573.6	2137.2	2583.6
62.5°	1094.7	1068.6	933.4	913.9	1003.5	1111.0	1259.2	1420.5	1565.5	2065.5	2498.9
65°	1068.6	1050.7	946.4	874.8	939.9	1055.6	1210.3	1400.9	1526.4	1989.0	2345.7
67.5°	922.0	900.8	856.8	829.2	861.7	996.9	1164.7	1361.8	1480.7	1901.0	2177.9
70°	752.6	741.2	726.5	755.8	796.6	923.6	1081.6	1277.1	1394.4	1733.2	1998.8
72.5°	638.6	632.0	614.1	645.1	713.5	827.5	959.5	1154.9	1286.9	1506.8	1777.2
75°	537.6	539.2	529.4	549.0	592.9	705.3	809.6	1000.2	1146.8	1293.4	1537.8
77.5°	441.5	436.6	446.3	457.7	487.1	568.5	638.6	804.7	979.0	1026.3	1179.4
80°	322.5	330.7	348.6	347.0	371.4	407.2	454.5	542.5	687.4	734.7	793.3
82.5°	228.1	237.8	254.1	236.2	239.5	249.2	270.4	311.1	387.7	434.9	483.8
85°	161.3	166.2	169.4	156.4	156.4	162.9	177.6	206.9	254.1	283.4	309.5
87.5°	117.3	118.9	125.4	118.9	120.5	123.8	136.8	156.4	195.5	216.7	237.8
90°	89.6	89.6	92.9	91.2	94.5	101.0	114.0	130.3	159.6	185.7	205.3
92.5°	65.2	65.2	68.4	70.0	71.7	79.8	91.2	104.3	123.8	156.4	175.9
95°	50.5	50.5	53.8	53.8	55.4	61.9	71.7	84.7	99.4	122.2	140.1
97.5°	37.5	37.5	40.7	40.7	42.4	47.2	55.4	63.5	76.6	91.2	99.4
100°	29.3	29.3	31.0	31.0	32.6	37.5	42.4	47.2	50.5	58.6	61.9
102.5°	24.4	24.4	24.4	24.4	24.4	27.7	29.3	29.3	31.0	35.8	37.5
105°	19.5	19.5	19.5	17.9	17.9	19.5	19.5	19.5	21.2	21.2	22.8
107.5°	14.7	14.7	14.7	14.7	14.7	16.3	16.3	16.3	16.3	17.9	17.9
110°	13.0	13.0	13.0	13.0	13.0	13.0	14.7	14.7	14.7	14.7	14.7

REPORT NUMBER: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.4	11.4	11.4	11.4	11.4	11.4	13.0	13.0	13.0	13.0	13.0
115°	9.8	9.8	9.8	9.8	9.8	11.4	13.0	11.4	11.4	11.4	11.4
117.5°	8.1	8.1	8.1	9.8	9.8	9.8	11.4	9.8	9.8	9.8	11.4
120°	6.5	6.5	8.1	8.1	8.1	8.1	8.1	8.1	9.8	9.8	9.8
122.5°	6.5	6.5	6.5	6.5	6.5	8.1	8.1	8.1	8.1	8.1	9.8
125°	4.9	4.9	4.9	6.5	6.5	6.5	6.5	6.5	6.5	8.1	8.1
127.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
130°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3	907.3
2.5°	910.6	910.6	900.8	891.1	881.3	871.5	863.4	858.5	852.0	853.6	853.6
5°	918.7	913.9	892.7	879.6	865.0	852.0	838.9	827.5	824.3	822.6	816.1
7.5°	920.4	912.2	889.4	869.9	842.2	811.2	796.6	783.5	775.4	781.9	778.7
10°	909.0	899.2	873.1	843.8	804.7	778.7	755.8	742.8	736.3	737.9	736.3
12.5°	912.2	900.8	858.5	814.5	781.9	737.9	710.2	698.8	690.7	690.7	685.8
15°	925.3	905.7	845.4	799.8	746.1	708.6	676.0	667.9	664.6	661.4	656.5
17.5°	938.3	910.6	843.8	773.8	713.5	672.8	640.2	625.5	617.4	617.4	615.8
20°	954.6	920.4	834.0	746.1	682.5	628.8	589.7	576.7	570.1	568.5	565.3
22.5°	982.3	946.4	829.2	734.7	641.8	586.4	549.0	524.5	511.5	509.9	509.9
25°	1037.7	993.7	838.9	703.7	614.1	542.5	496.8	472.4	457.7	457.7	456.1
27.5°	1125.6	1055.6	853.6	692.3	562.0	495.2	448.0	410.5	397.5	397.5	399.1
30°	1212.0	1150.1	891.1	667.9	532.7	433.3	376.3	348.6	332.3	325.8	327.4
32.5°	1314.6	1249.4	943.2	651.6	474.0	360.0	307.9	293.2	268.8	262.3	257.4
35°	1440.0	1345.5	1001.8	628.8	428.4	306.2	263.9	234.6	223.2	215.0	213.4
37.5°	1524.7	1441.6	1054.0	633.7	364.9	276.9	229.7	198.7	187.3	189.0	189.0
40°	1488.9	1392.8	1067.0	601.1	311.1	241.1	192.2	174.3	167.8	169.4	171.0
42.5°	1244.5	1194.0	882.9	537.6	257.4	193.8	161.3	161.3	166.2	161.3	161.3
45°	1163.1	1036.0	641.8	377.9	193.8	159.6	153.1	158.0	169.4	169.4	169.4
47.5°	1472.6	1329.2	575.0	316.0	216.7	179.2	166.2	158.0	159.6	158.0	158.0
50°	2065.5	1840.7	772.1	394.2	262.3	213.4	189.0	172.7	172.7	169.4	166.2
52.5°	2459.8	2223.6	939.9	493.6	329.1	249.2	216.7	187.3	177.6	171.0	169.4
55°	2704.1	2524.9	1084.9	632.0	428.4	296.5	241.1	210.1	195.5	182.4	180.8
57.5°	2754.6	2546.1	1181.0	759.1	552.2	389.3	276.9	232.9	223.2	202.0	198.7
60°	2630.8	2492.3	1218.5	842.2	659.7	513.1	361.6	270.4	249.2	234.6	231.3
62.5°	2544.5	2384.8	1205.4	869.9	726.5	615.8	475.7	332.3	272.0	273.7	288.3
65°	2399.5	2292.0	1109.3	829.2	723.3	650.0	534.3	384.4	280.2	276.9	294.8
67.5°	2233.3	2148.6	1013.2	739.6	666.3	602.7	496.8	366.5	265.5	249.2	250.9
70°	2019.9	1948.3	915.5	689.1	614.1	534.3	431.7	317.7	262.3	236.2	236.2
72.5°	1774.0	1689.3	834.0	651.6	586.4	513.1	413.8	306.2	281.8	272.0	280.2
75°	1513.3	1405.8	770.5	615.8	566.9	513.1	412.1	306.2	281.8	273.7	273.7
77.5°	1220.1	1156.6	702.1	558.7	527.8	488.7	379.6	285.1	276.9	273.7	273.7
80°	843.8	834.0	571.8	485.4	477.3	462.6	356.7	275.3	275.3	270.4	263.9
82.5°	518.0	493.6	408.9	363.3	391.0	412.1	324.2	259.0	252.5	247.6	244.3
85°	335.6	337.2	286.7	254.1	270.4	314.4	273.7	234.6	224.8	228.1	228.1
87.5°	257.4	265.5	224.8	206.9	203.6	213.4	215.0	210.1	203.6	198.7	200.4
90°	221.5	224.8	180.8	166.2	164.5	167.8	167.8	177.6	177.6	161.3	151.5
92.5°	185.7	190.6	149.9	135.2	135.2	140.1	143.4	143.4	130.3	105.9	94.5
95°	146.6	149.9	118.9	107.5	109.1	109.1	107.5	102.6	79.8	47.2	42.4
97.5°	102.6	104.3	88.0	81.4	83.1	79.8	70.0	63.5	48.9	27.7	26.1
100°	65.2	66.8	55.4	53.8	58.6	52.1	45.6	42.4	29.3	17.9	21.2
102.5°	39.1	39.1	34.2	32.6	35.8	31.0	27.7	22.8	17.9	11.4	14.7
105°	22.8	22.8	21.2	21.2	21.2	19.5	17.9	14.7	9.8	8.1	8.1
107.5°	17.9	17.9	16.3	16.3	14.7	14.7	13.0	9.8	6.5	4.9	4.9
110°	14.7	14.7	13.0	13.0	13.0	11.4	9.8	8.1	4.9	3.3	3.3

REPORT NUMBER: P691208

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	13.0	11.4	11.4	9.8	9.8	8.1	6.5	4.9	3.3	3.3
115°	11.4	11.4	9.8	8.1	8.1	8.1	6.5	4.9	3.3	1.6	3.3
117.5°	11.4	11.4	8.1	6.5	6.5	6.5	4.9	4.9	3.3	1.6	1.6
120°	9.8	9.8	6.5	6.5	4.9	4.9	4.9	3.3	1.6	1.6	1.6
122.5°	8.1	8.1	6.5	4.9	4.9	4.9	3.3	3.3	1.6	1.6	1.6
125°	8.1	8.1	4.9	4.9	4.9	3.3	3.3	3.3	1.6	0.0	0.0
127.5°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0
130°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	1.6	1.6	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)