

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: P691252

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3999 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

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

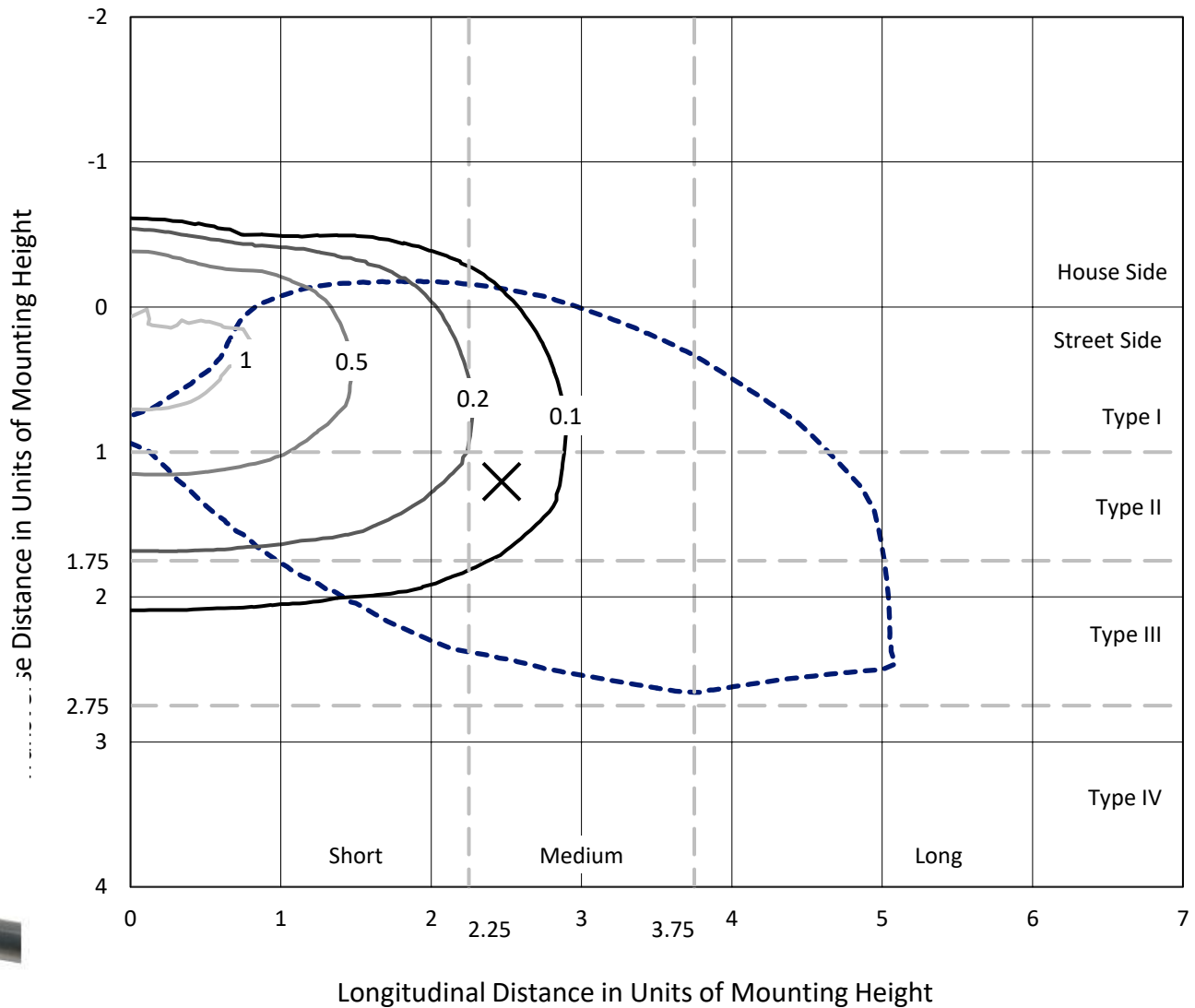


REPORT NUMBER: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

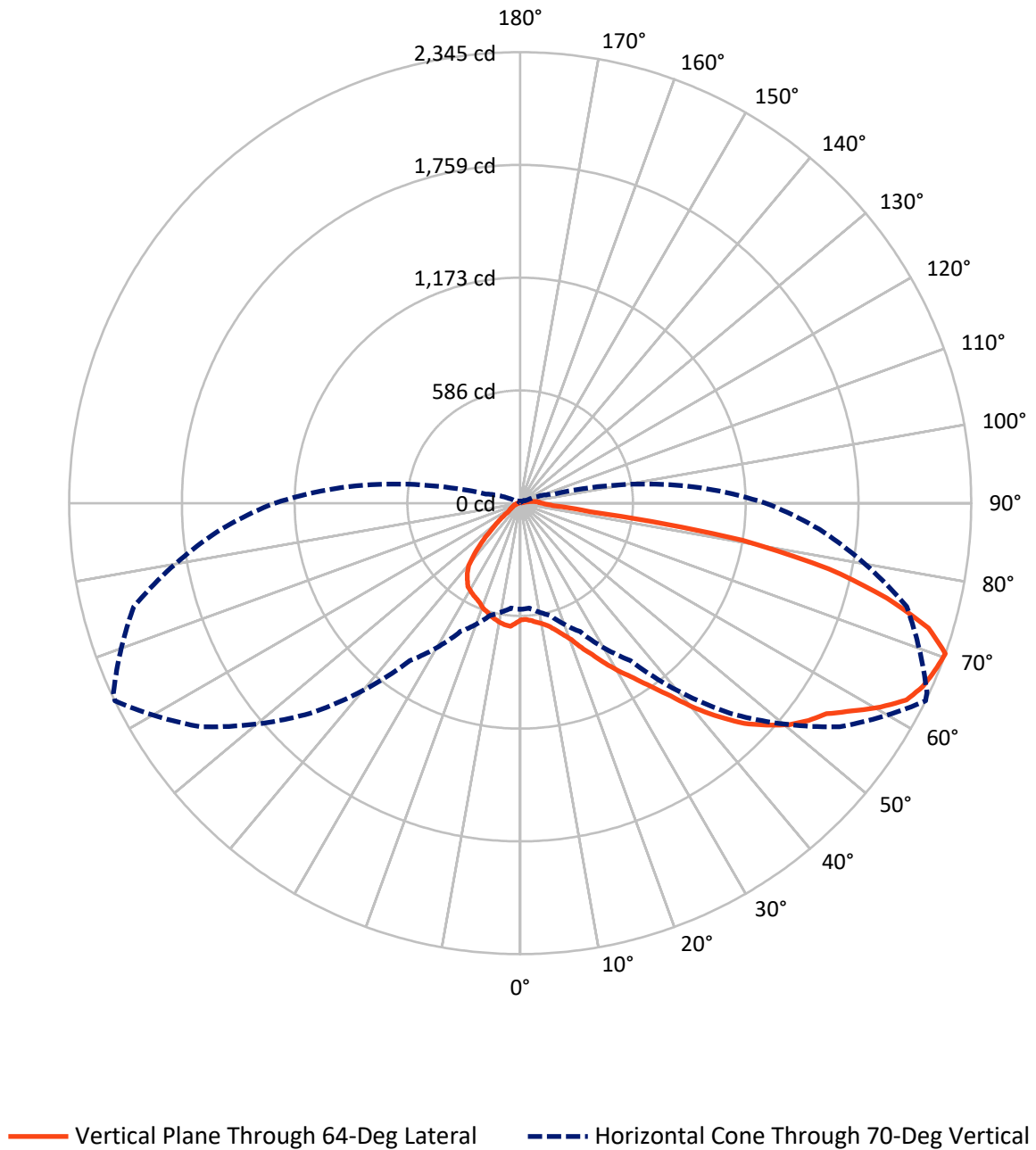


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

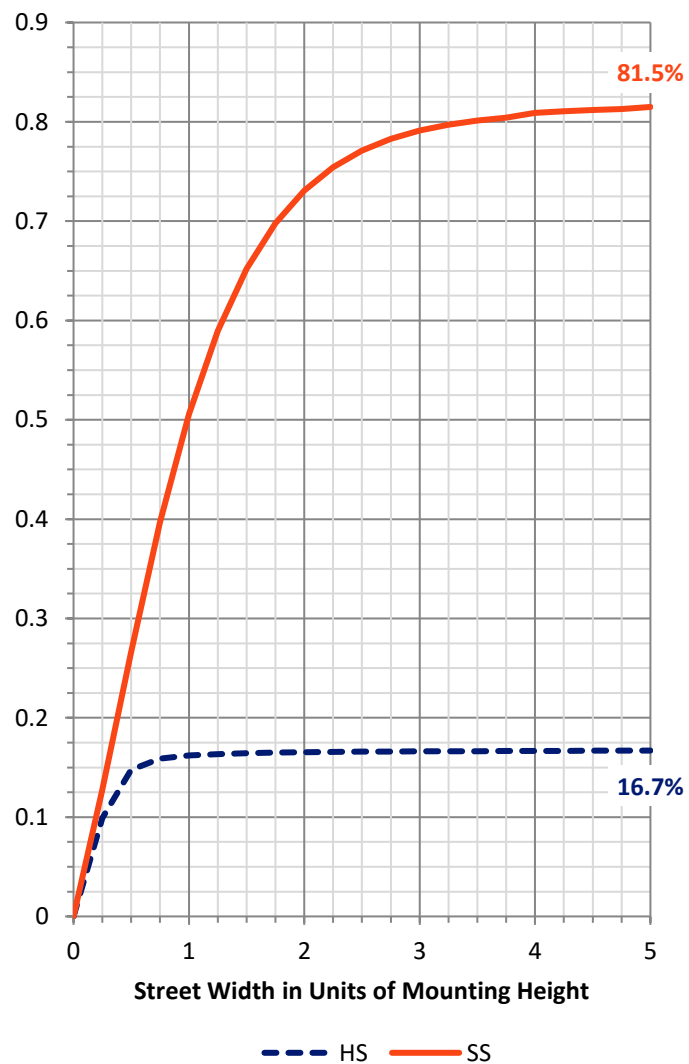
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	678.2	8.2	686.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	3278.8	33.7	3312.5
	% Fixture	82.0	0.8	82.8
Total	Lumens	3957.0	41.9	3999.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.5
10°-20°	184.3	4.6
20°-30°	318.6	8.0
30°-40°	472.8	11.8
40°-50°	649.4	16.2
50°-60°	788.7	19.7
60°-70°	837.9	21.0
70°-80°	553.6	13.8
80°-90°	91.7	2.3
90°-100°	34.2	0.9
100°-110°	5.8	0.1
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3957.0	99.0
0°-180°	3999.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691252

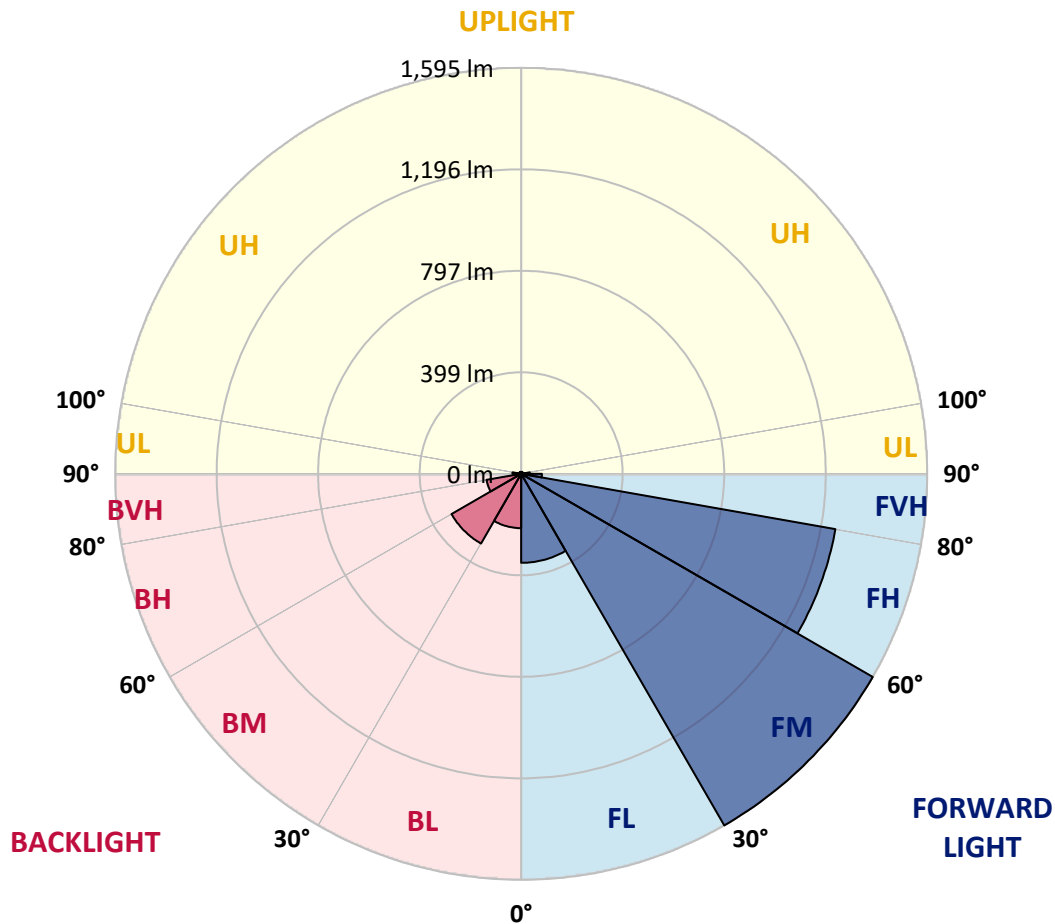
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.5	8.7			
FM	(30°-60°)	1594.7	39.9			
FH	(60°-80°)	1253.2	31.3			G1/1800
FVH	(80°-90°)	81.4	2.0			G1/100
BL	(0°-30°)	213.5	5.3	B1/500		
BM	(30°-60°)	316.1	7.9	B1/1000		
BH	(60°-80°)	138.3	3.5	B1/500		G1/500
BVH	(80°-90°)	10.3	0.3			G1/100
UL	(90°-100°)	34.2	0.9		U2/50	
UH	(100°-180°)	7.8	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



REPORT NUMBER: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6
2.5°	610.9	609.5	610.9	609.5	608.1	606.6	605.2	605.2	603.8	605.2	606.6
5°	638.1	639.5	636.7	630.9	623.8	618.1	615.2	613.8	613.8	615.2	620.9
7.5°	658.1	656.7	655.3	653.8	648.1	635.2	628.1	625.2	625.2	622.4	632.4
10°	693.9	691.0	683.9	675.3	669.6	655.3	642.4	638.1	636.7	638.1	646.7
12.5°	732.5	729.7	728.2	719.7	699.6	686.7	665.3	655.3	655.3	655.3	659.6
15°	788.3	784.0	769.7	759.7	742.5	721.1	696.8	682.5	682.5	685.3	673.9
17.5°	828.4	825.5	824.1	806.9	792.6	759.7	741.1	716.8	716.8	722.5	698.2
20°	869.9	867.0	868.5	865.6	844.1	818.4	785.5	756.9	756.9	758.3	723.9
22.5°	925.7	921.4	921.4	920.0	908.5	878.5	839.8	815.5	811.2	799.8	756.9
25°	981.5	980.0	977.2	978.6	975.8	941.4	899.9	872.7	872.7	857.0	801.2
27.5°	1037.3	1037.3	1035.8	1037.3	1035.8	1014.4	972.9	944.3	945.7	925.7	849.9
30°	1077.3	1075.9	1085.9	1090.2	1093.1	1084.5	1044.4	1013.0	1015.8	995.8	907.1
32.5°	1114.5	1113.1	1130.3	1140.3	1143.1	1141.7	1108.8	1083.1	1090.2	1071.6	975.8
35°	1148.9	1147.4	1170.3	1196.1	1207.5	1204.7	1183.2	1168.9	1176.1	1174.6	1068.8
37.5°	1174.6	1178.9	1209.0	1244.7	1264.8	1266.2	1256.2	1271.9	1280.5	1309.1	1184.6
40°	1204.7	1204.7	1233.3	1271.9	1307.7	1322.0	1330.6	1402.1	1410.7	1416.4	1261.9
42.5°	1173.2	1181.8	1243.3	1300.5	1346.3	1379.2	1426.4	1519.4	1538.0	1495.1	1356.3
45°	1148.9	1156.0	1219.0	1314.8	1380.7	1442.2	1530.9	1633.9	1648.2	1573.8	1406.4
47.5°	1123.1	1134.6	1198.9	1304.8	1413.6	1519.4	1618.2	1724.0	1736.9	1641.0	1476.5
50°	1093.1	1106.0	1174.6	1290.5	1430.7	1592.4	1696.8	1811.3	1812.7	1699.7	1515.1
52.5°	1064.5	1073.0	1144.6	1271.9	1445.0	1648.2	1771.2	1877.1	1868.5	1774.1	1556.6
55°	1015.8	1033.0	1108.8	1246.2	1452.2	1679.7	1822.7	1932.9	1938.6	1854.2	1612.4
57.5°	971.5	982.9	1063.0	1209.0	1446.5	1698.3	1872.8	2037.4	2048.8	1925.8	1652.5
60°	915.7	922.8	1000.1	1157.5	1409.3	1729.7	1984.4	2153.2	2166.1	1994.4	1668.2
62.5°	845.6	845.6	922.8	1088.8	1362.1	1752.6	2061.7	2253.4	2253.4	2048.8	1673.9
65°	755.4	759.7	828.4	995.8	1283.4	1739.8	2084.6	2300.6	2304.9	2087.4	1671.1
67.5°	668.1	666.7	726.8	874.2	1164.6	1672.5	2067.4	2324.9	2342.1	2110.3	1633.9
70°	552.3	548.0	603.8	736.8	998.6	1545.2	2027.3	2345.0	2333.5	2080.3	1560.9
72.5°	424.9	420.6	462.1	563.7	786.9	1326.3	1910.0	2219.1	2199.0	1917.2	1410.7
75°	301.9	296.2	329.1	396.3	517.9	970.0	1638.2	1968.7	1945.8	1724.0	1177.5
77.5°	171.7	166.0	196.0	250.4	313.3	549.4	1240.4	1641.0	1672.5	1422.1	899.9
80°	75.8	73.0	85.8	120.2	176.0	261.8	675.3	1173.2	1130.3	970.0	512.2
82.5°	64.4	64.4	65.8	68.7	71.5	120.2	253.2	369.1	353.4	284.7	163.1
85°	55.8	54.4	57.2	60.1	61.5	78.7	147.4	177.4	174.5	157.4	113.0
87.5°	45.8	42.9	47.2	50.1	50.1	64.4	110.2	130.2	130.2	131.6	100.2
90°	40.1	40.1	37.2	37.2	38.6	45.8	84.4	107.3	110.2	135.9	115.9
92.5°	34.3	34.3	34.3	34.3	28.6	32.9	60.1	95.9	103.0	133.1	104.4
95°	32.9	31.5	32.9	30.0	28.6	30.0	45.8	84.4	93.0	117.3	91.6
97.5°	22.9	21.5	24.3	24.3	25.8	27.2	38.6	63.0	65.8	87.3	68.7
100°	15.7	14.3	14.3	14.3	18.6	18.6	31.5	38.6	40.1	55.8	45.8
102.5°	8.6	7.2	7.2	7.2	10.0	11.4	15.7	21.5	21.5	30.0	25.8
105°	2.9	2.9	4.3	4.3	4.3	5.7	5.7	7.2	7.2	8.6	11.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4

REPORT NUMBER: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6
2.5°	608.1	610.9	618.1	622.4	628.1	633.8	638.1	638.1	642.4	639.5	638.1
5°	626.7	628.1	636.7	642.4	641.0	635.2	630.9	628.1	629.5	632.4	632.4
7.5°	639.5	645.3	638.1	638.1	636.7	629.5	620.9	612.4	608.1	606.6	606.6
10°	646.7	641.0	638.1	630.9	615.2	610.9	603.8	588.0	583.7	583.7	578.0
12.5°	651.0	648.1	632.4	619.5	605.2	582.3	566.6	563.7	550.8	549.4	550.8
15°	668.1	653.8	633.8	609.5	582.3	562.3	540.8	517.9	507.9	509.3	510.8
17.5°	679.6	666.7	630.9	592.3	568.0	530.8	506.5	493.6	477.9	477.9	477.9
20°	698.2	676.7	626.7	585.2	527.9	500.8	472.1	457.8	442.1	414.9	412.0
22.5°	722.5	695.3	625.2	563.7	512.2	467.8	426.4	382.0	359.1	343.4	339.1
25°	752.6	721.1	635.2	553.7	482.2	427.8	374.9	314.8	271.8	263.3	263.3
27.5°	804.1	754.0	648.1	543.7	465.0	383.4	300.5	247.5	210.3	198.9	197.4
30°	854.1	795.5	652.4	533.7	432.1	323.3	231.8	176.0	143.1	128.8	125.9
32.5°	932.8	852.7	689.6	525.1	394.9	260.4	164.5	111.6	84.4	75.8	74.4
35°	1013.0	930.0	702.5	502.2	327.6	190.3	94.4	60.1	45.8	38.6	37.2
37.5°	1116.0	1027.3	741.1	477.9	260.4	108.7	52.9	32.9	28.6	28.6	28.6
40°	1176.1	1070.2	775.5	446.4	178.8	55.8	31.5	25.8	25.8	24.3	24.3
42.5°	1253.3	1123.1	805.5	384.9	94.4	34.3	27.2	24.3	21.5	21.5	21.5
45°	1297.7	1157.5	795.5	309.0	44.4	31.5	25.8	21.5	20.0	20.0	20.0
47.5°	1352.0	1200.4	774.0	228.9	38.6	28.6	24.3	20.0	18.6	20.0	20.0
50°	1406.4	1243.3	719.7	176.0	35.8	27.2	21.5	17.2	17.2	18.6	18.6
52.5°	1433.6	1273.3	655.3	121.6	35.8	25.8	20.0	17.2	15.7	15.7	15.7
55°	1465.1	1280.5	600.9	80.1	34.3	24.3	18.6	14.3	14.3	12.9	12.9
57.5°	1482.2	1261.9	560.8	67.2	32.9	22.9	17.2	12.9	11.4	10.0	10.0
60°	1475.1	1234.7	526.5	58.7	30.0	21.5	15.7	11.4	8.6	7.2	7.2
62.5°	1460.8	1211.8	463.6	51.5	28.6	18.6	12.9	10.0	7.2	5.7	5.7
65°	1445.0	1150.3	390.6	44.4	25.8	17.2	11.4	8.6	5.7	4.3	4.3
67.5°	1372.1	1068.8	286.1	40.1	24.3	15.7	10.0	7.2	5.7	4.3	4.3
70°	1276.2	932.8	184.6	34.3	21.5	14.3	10.0	5.7	4.3	2.9	2.9
72.5°	1085.9	761.1	93.0	30.0	20.0	14.3	8.6	5.7	4.3	2.9	1.4
75°	887.0	568.0	60.1	25.8	18.6	14.3	8.6	5.7	2.9	1.4	1.4
77.5°	635.2	307.6	45.8	22.9	15.7	14.3	7.2	4.3	2.9	2.9	1.4
80°	264.7	111.6	37.2	18.6	14.3	12.9	7.2	4.3	2.9	2.9	1.4
82.5°	111.6	77.3	32.9	15.7	12.9	12.9	5.7	4.3	2.9	2.9	2.9
85°	87.3	64.4	28.6	14.3	11.4	14.3	5.7	4.3	4.3	4.3	4.3
87.5°	81.6	65.8	25.8	12.9	11.4	10.0	5.7	4.3	7.2	7.2	8.6
90°	91.6	68.7	20.0	11.4	10.0	8.6	4.3	2.9	2.9	0.0	0.0
92.5°	84.4	63.0	14.3	8.6	12.9	5.7	2.9	0.0	0.0	0.0	0.0
95°	73.0	52.9	8.6	5.7	14.3	7.2	1.4	0.0	0.0	0.0	0.0
97.5°	54.4	38.6	5.7	2.9	11.4	8.6	1.4	0.0	0.0	0.0	0.0
100°	38.6	24.3	4.3	2.9	7.2	8.6	1.4	0.0	0.0	0.0	0.0
102.5°	21.5	12.9	2.9	1.4	2.9	2.9	0.0	0.0	0.0	0.0	0.0
105°	10.0	4.3	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691252

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
135°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	1.4	1.4	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)