

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: P691243

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4972 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G1

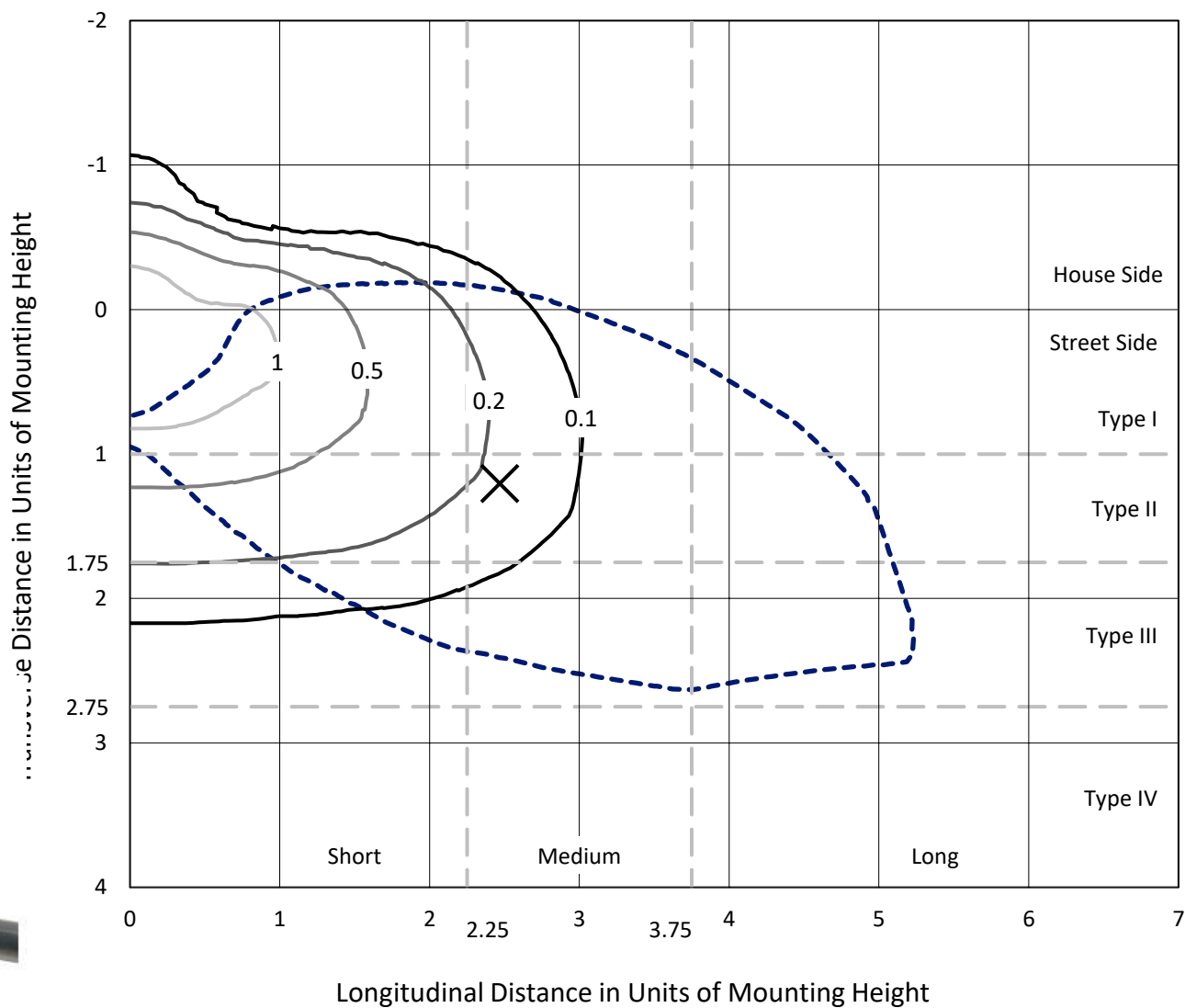
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691243
 CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

Iso-Footcandle Lines of Horizontal Illumination

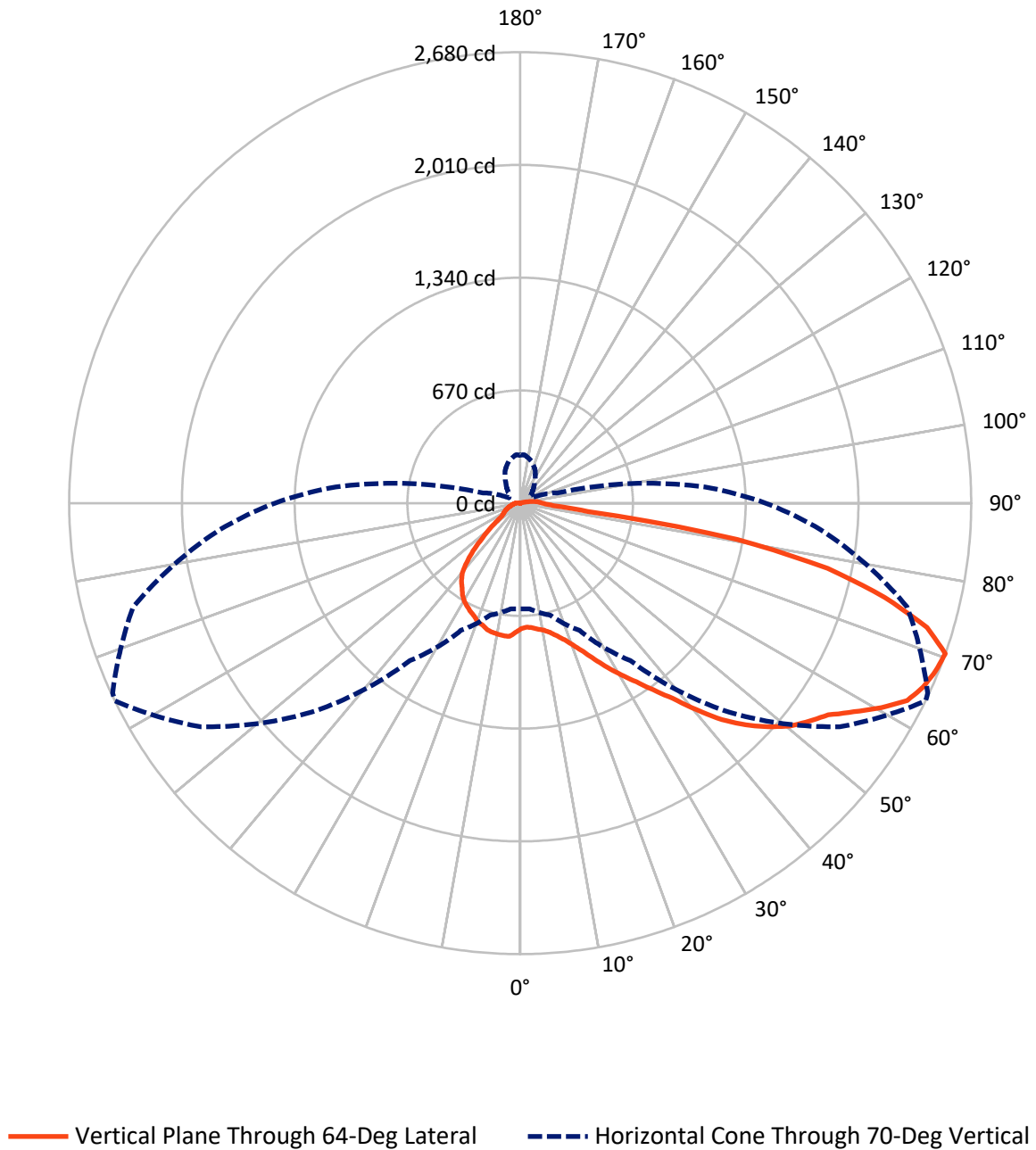
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P691243
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P691243

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

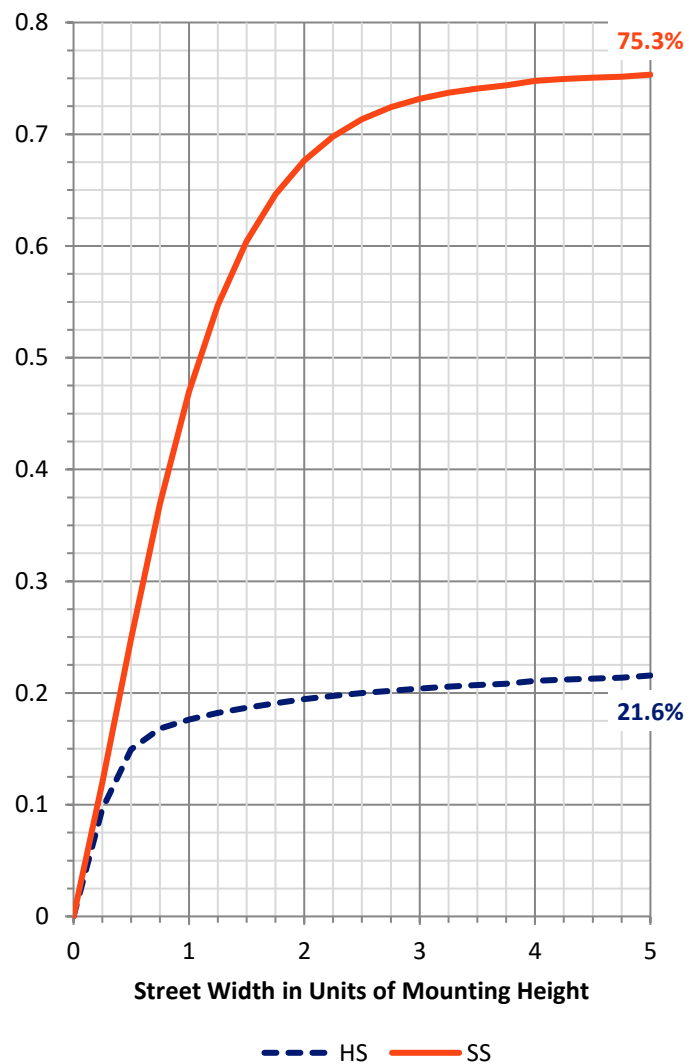
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1133.5	30.7	1164.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	3768.2	39.6	3807.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	4901.7	70.3	4972.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	1.5
10°-20°	231.5	4.7
20°-30°	401.6	8.1
30°-40°	582.8	11.7
40°-50°	782.1	15.7
50°-60°	945.6	19.0
60°-70°	1017.9	20.5
70°-80°	699.1	14.1
80°-90°	166.8	3.4
90°-100°	60.4	1.2
100°-110°	7.6	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	4901.7	98.6
0°-180°	4972.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691243

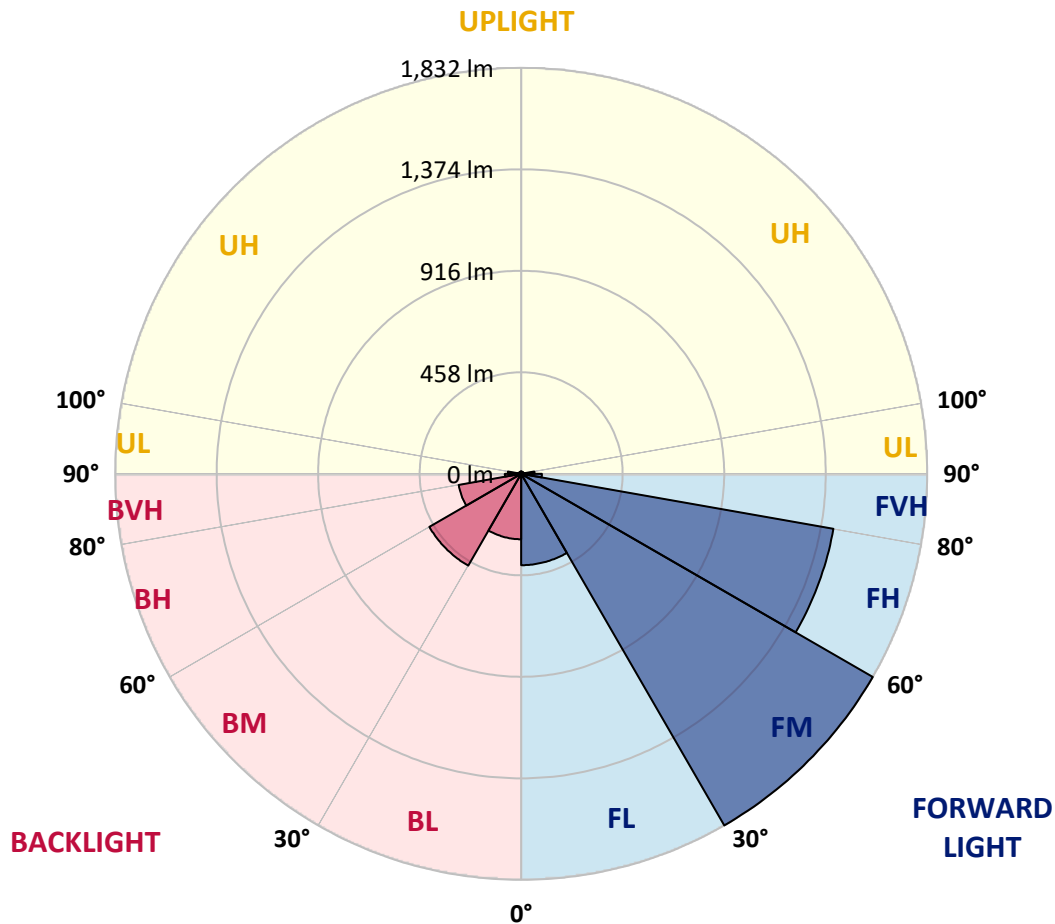
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.2	8.3			
FM	(30°-60°)	1832.1	36.8			
FH	(60°-80°)	1430.6	28.8			G1/1800
FVH	(80°-90°)	93.3	1.9			G1/100
BL	(0°-30°)	295.2	5.9	B1/500		
BM	(30°-60°)	478.4	9.6	B1/1000		
BH	(60°-80°)	286.4	5.8	B1/500		G1/500
BVH	(80°-90°)	73.5	1.5			G1/100
UL	(90°-100°)	60.4	1.2		U3/500	
UH	(100°-180°)	9.9	0.2		U1/10	

BUG Rating: B1-U3-G1

Type III Medium



REPORT NUMBER: P691243

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2
2.5°	739.7	739.7	738.0	738.0	739.7	741.3	739.7	738.0	739.7	741.3	746.2
5°	769.0	767.4	765.7	759.2	752.7	747.8	744.6	742.9	744.6	751.1	762.5
7.5°	788.5	786.9	786.9	785.3	778.8	765.7	757.6	756.0	756.0	757.6	772.3
10°	829.3	826.0	819.5	808.1	801.6	785.3	770.6	767.4	767.4	770.6	788.5
12.5°	873.3	866.7	868.4	855.3	835.8	817.9	796.7	788.5	785.3	788.5	798.3
15°	933.5	928.7	915.6	901.0	881.4	857.0	830.9	817.9	816.2	821.1	813.0
17.5°	977.5	971.0	972.6	951.5	935.2	902.6	878.2	853.7	853.7	860.2	839.1
20°	1023.2	1019.9	1024.8	1019.9	995.5	966.1	930.3	901.0	896.1	899.3	868.4
22.5°	1081.8	1076.9	1076.9	1078.5	1059.0	1029.7	987.3	958.0	956.4	943.3	901.0
25°	1142.1	1137.2	1135.6	1138.8	1135.6	1101.4	1057.4	1028.0	1023.2	1005.2	945.0
27.5°	1199.1	1199.1	1200.7	1204.0	1208.9	1181.2	1138.8	1106.2	1106.2	1086.7	1003.6
30°	1241.5	1241.5	1256.1	1262.7	1267.5	1261.0	1215.4	1184.4	1187.7	1161.6	1070.4
32.5°	1280.6	1282.2	1298.5	1314.8	1319.7	1324.6	1285.5	1265.9	1265.9	1241.5	1142.1
35°	1319.7	1319.7	1342.5	1375.1	1391.4	1386.5	1368.6	1362.0	1363.7	1358.8	1248.0
37.5°	1350.6	1353.9	1388.1	1428.8	1451.6	1459.8	1450.0	1471.2	1490.7	1505.4	1386.5
40°	1381.6	1381.6	1414.2	1458.2	1498.9	1521.7	1534.7	1614.6	1629.2	1634.1	1464.7
42.5°	1349.0	1357.1	1425.6	1490.7	1542.9	1582.0	1640.6	1759.6	1777.5	1722.1	1570.6
45°	1318.0	1327.8	1396.2	1505.4	1580.4	1658.6	1759.6	1880.1	1894.8	1811.7	1634.1
47.5°	1287.1	1298.5	1373.4	1492.4	1614.6	1743.3	1852.4	1986.0	1992.5	1885.0	1705.8
50°	1254.5	1265.9	1345.7	1477.7	1635.7	1829.6	1945.3	2082.2	2082.2	1950.2	1748.2
52.5°	1213.8	1226.8	1308.3	1454.9	1652.0	1888.3	2030.0	2152.2	2139.2	2028.4	1795.4
55°	1161.6	1179.6	1265.9	1422.3	1658.6	1919.2	2083.8	2220.6	2217.4	2124.5	1855.7
57.5°	1106.2	1120.9	1213.8	1380.0	1652.0	1940.4	2140.8	2339.6	2344.5	2207.6	1902.9
60°	1044.3	1054.1	1143.7	1321.3	1609.7	1977.9	2269.5	2466.7	2473.2	2284.2	1920.9
62.5°	962.9	969.4	1054.1	1241.5	1552.7	2002.3	2362.4	2582.3	2579.1	2352.6	1924.1
65°	860.2	868.4	948.2	1135.6	1467.9	1986.0	2385.2	2632.8	2636.1	2385.2	1919.2
67.5°	760.8	765.7	832.5	995.5	1331.1	1907.8	2362.4	2662.2	2676.8	2412.9	1872.0
70°	628.9	630.5	689.2	834.2	1142.1	1757.9	2316.8	2680.1	2671.9	2380.3	1790.5
72.5°	483.9	485.5	529.5	638.7	887.9	1497.3	2155.5	2528.6	2513.9	2201.1	1614.6
75°	343.8	350.3	376.4	448.0	594.7	1093.2	1844.3	2238.6	2248.3	1958.3	1345.7
77.5°	195.5	202.0	223.2	280.2	342.1	612.6	1393.0	1867.1	1873.6	1647.1	1032.9
80°	84.7	86.3	94.5	133.6	182.5	293.3	713.6	1308.3	1402.8	1119.3	589.8
82.5°	71.7	71.7	74.9	78.2	79.8	133.6	277.0	405.7	418.7	330.7	192.2
85°	61.9	61.9	65.2	68.4	70.1	91.2	167.8	203.7	211.8	189.0	135.2
87.5°	48.9	48.9	53.8	57.0	57.0	74.9	125.5	151.5	156.4	151.5	120.6
90°	44.0	44.0	42.4	42.4	44.0	53.8	97.8	127.1	132.0	161.3	138.5
92.5°	37.5	39.1	39.1	39.1	34.2	39.1	70.1	112.4	122.2	159.7	125.5
95°	37.5	35.8	35.8	34.2	32.6	34.2	52.1	97.8	109.2	138.5	105.9
97.5°	26.1	24.4	26.1	27.7	29.3	31.0	44.0	71.7	79.8	107.5	78.2
100°	16.3	16.3	16.3	16.3	19.6	21.2	35.8	44.0	48.9	68.4	52.1
102.5°	9.8	8.1	8.1	8.1	9.8	13.0	17.9	24.4	26.1	39.1	31.0
105°	3.3	3.3	3.3	3.3	4.9	6.5	6.5	9.8	9.8	13.0	13.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6

REPORT NUMBER: P691243

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

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	1.6	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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: P691243

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2
2.5°	749.4	752.7	759.2	767.4	777.1	785.3	791.8	793.4	796.7	796.7	800.0
5°	765.7	772.3	782.0	793.4	798.3	795.1	795.1	796.7	800.0	808.1	811.4
7.5°	783.7	788.5	788.5	793.4	803.2	800.0	798.3	796.7	796.7	793.4	798.3
10°	790.2	783.7	791.8	790.2	786.9	793.4	795.1	785.3	786.9	786.9	788.5
12.5°	791.8	791.8	785.3	785.3	785.3	770.6	767.4	775.5	767.4	770.6	769.0
15°	809.7	796.7	788.5	778.8	765.7	760.8	749.4	736.4	736.4	739.7	739.7
17.5°	822.8	809.7	785.3	759.2	754.3	731.5	723.4	720.1	718.5	720.1	723.4
20°	842.3	822.8	782.0	756.0	713.6	705.5	690.8	689.2	685.9	674.5	671.2
22.5°	868.4	837.4	780.4	728.3	694.1	666.4	640.3	624.0	622.4	614.2	609.3
25°	897.7	866.7	786.9	715.2	658.2	617.5	596.3	558.8	540.9	547.4	544.2
27.5°	958.0	901.0	798.3	697.3	628.9	565.3	516.5	493.7	470.8	470.8	474.1
30°	1013.4	945.0	798.3	681.0	580.0	503.4	439.9	404.0	394.3	387.8	384.5
32.5°	1096.5	1000.3	832.5	658.2	534.4	423.6	351.9	309.6	311.2	317.7	316.1
35°	1192.6	1088.3	842.3	625.6	467.6	343.8	272.1	249.3	262.3	265.6	265.6
37.5°	1308.3	1195.9	886.3	599.6	397.5	254.2	215.1	205.3	216.7	215.1	221.6
40°	1371.8	1248.0	923.8	567.0	304.7	187.4	166.2	159.7	177.6	192.2	195.5
42.5°	1461.4	1309.9	959.6	505.1	206.9	136.9	127.1	148.3	174.3	190.6	192.2
45°	1510.3	1345.7	945.0	428.5	132.0	110.8	123.8	149.9	177.6	193.9	195.5
47.5°	1568.9	1393.0	918.9	334.0	105.9	109.2	125.5	153.1	182.5	197.1	197.1
50°	1627.6	1440.2	855.3	262.3	99.4	107.5	128.7	154.8	180.8	190.6	190.6
52.5°	1661.8	1481.0	780.4	190.6	97.8	107.5	130.3	156.4	179.2	184.1	184.1
55°	1692.8	1484.2	715.2	141.7	96.1	109.2	132.0	159.7	180.8	185.7	184.1
57.5°	1710.7	1463.0	669.6	122.2	94.5	109.2	133.6	162.9	193.9	205.3	202.0
60°	1700.9	1430.5	635.4	114.0	92.9	109.2	135.2	172.7	246.0	265.6	259.0
62.5°	1684.6	1407.7	563.7	104.3	89.6	109.2	136.9	195.5	273.7	283.5	275.3
65°	1663.4	1340.9	482.3	94.5	86.3	107.5	138.5	211.8	260.7	260.7	259.0
67.5°	1575.5	1251.2	360.1	84.7	81.5	107.5	141.7	208.5	250.9	272.1	272.1
70°	1458.2	1101.4	237.9	74.9	76.6	104.3	148.3	211.8	259.0	288.4	285.1
72.5°	1235.0	914.0	132.0	65.2	70.1	102.6	148.3	224.8	280.2	312.8	307.9
75°	1008.5	676.1	94.5	58.7	63.5	99.4	149.9	233.0	299.8	334.0	325.8
77.5°	710.3	387.8	74.9	50.5	57.0	94.5	148.3	229.7	309.6	340.5	330.7
80°	299.8	140.1	61.9	45.6	48.9	84.7	136.9	219.9	309.6	360.1	355.2
82.5°	135.2	99.4	53.8	40.7	45.6	70.1	127.1	211.8	299.8	361.7	391.0
85°	105.9	81.5	45.6	35.8	40.7	66.8	114.0	202.0	286.7	334.0	366.6
87.5°	101.0	81.5	40.7	32.6	37.5	57.0	88.0	187.4	257.4	307.9	334.0
90°	109.2	84.7	32.6	27.7	34.2	50.5	71.7	158.0	223.2	270.5	270.5
92.5°	101.0	78.2	24.4	21.2	35.8	40.7	68.4	97.8	161.3	135.2	167.8
95°	84.7	65.2	16.3	14.7	34.2	34.2	37.5	45.6	112.4	3.3	0.0
97.5°	61.9	47.2	9.8	8.1	26.1	27.7	17.9	21.2	45.6	0.0	0.0
100°	45.6	31.0	6.5	6.5	16.3	22.8	11.4	11.4	0.0	0.0	0.0
102.5°	24.4	16.3	4.9	3.3	8.1	13.0	4.9	3.3	0.0	0.0	0.0
105°	13.0	6.5	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691243

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	1.6	1.6	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)