

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: P691267

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3333 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
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



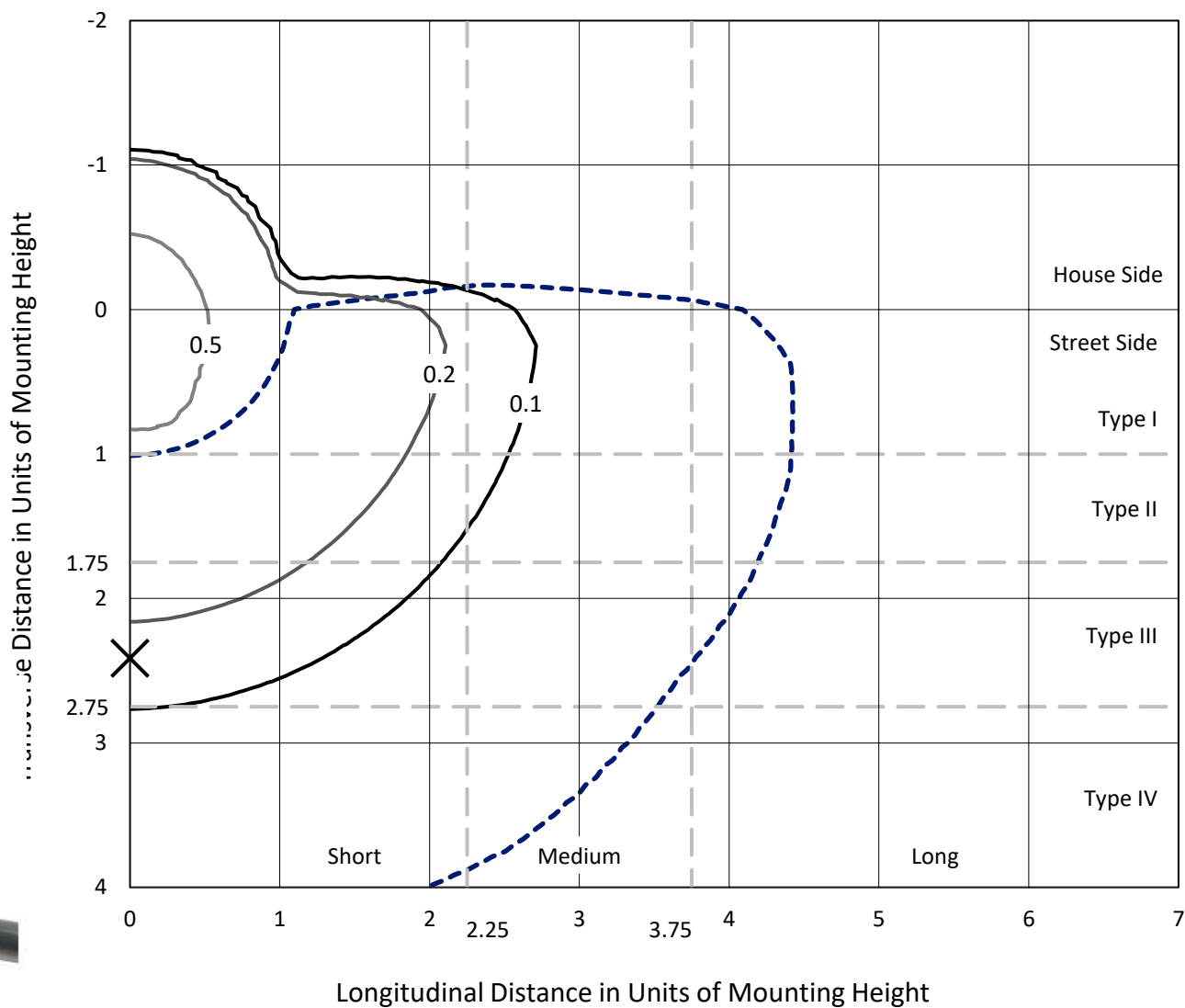
REPORT NUMBER: P691267

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

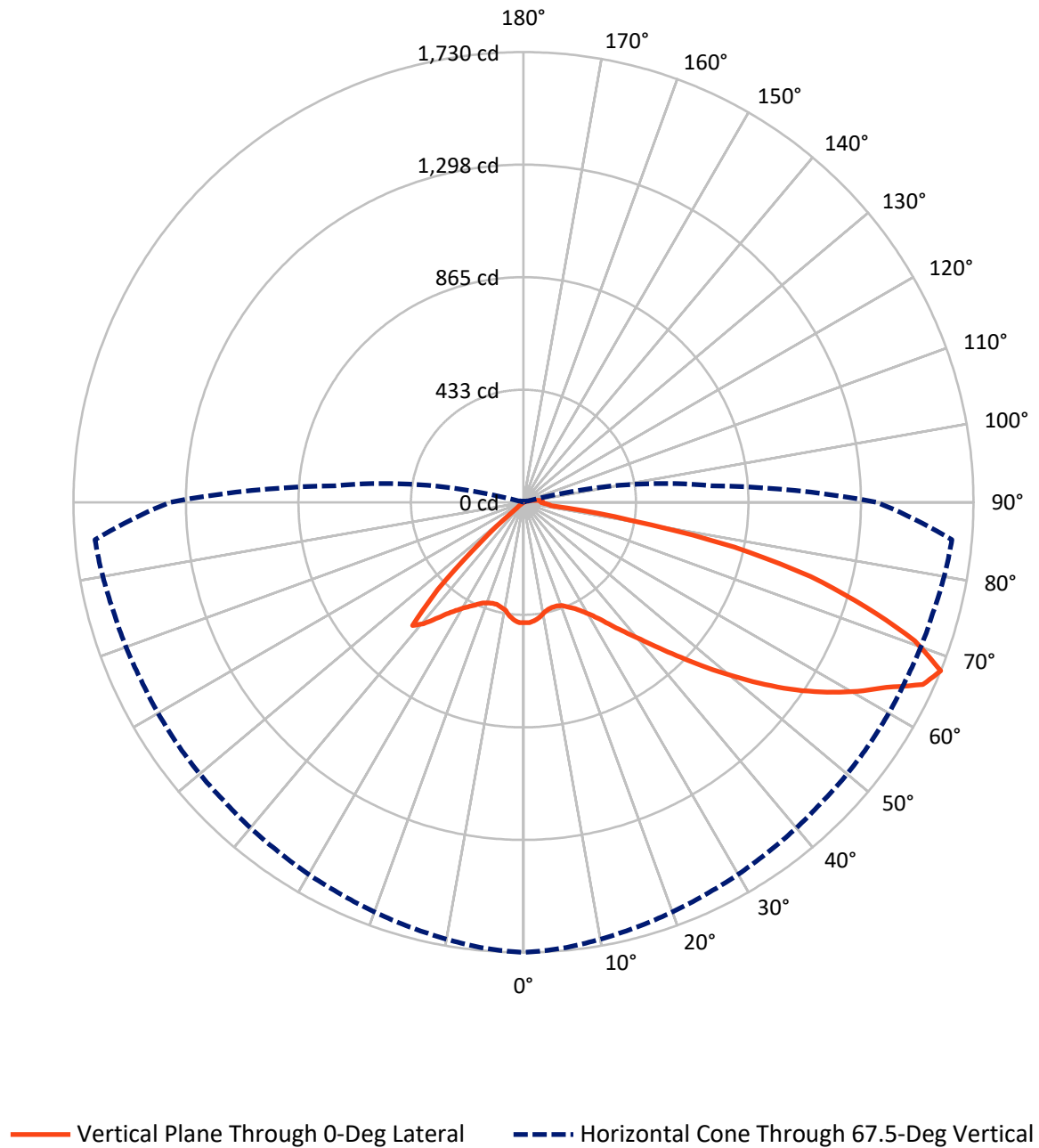


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P691267

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691267

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2

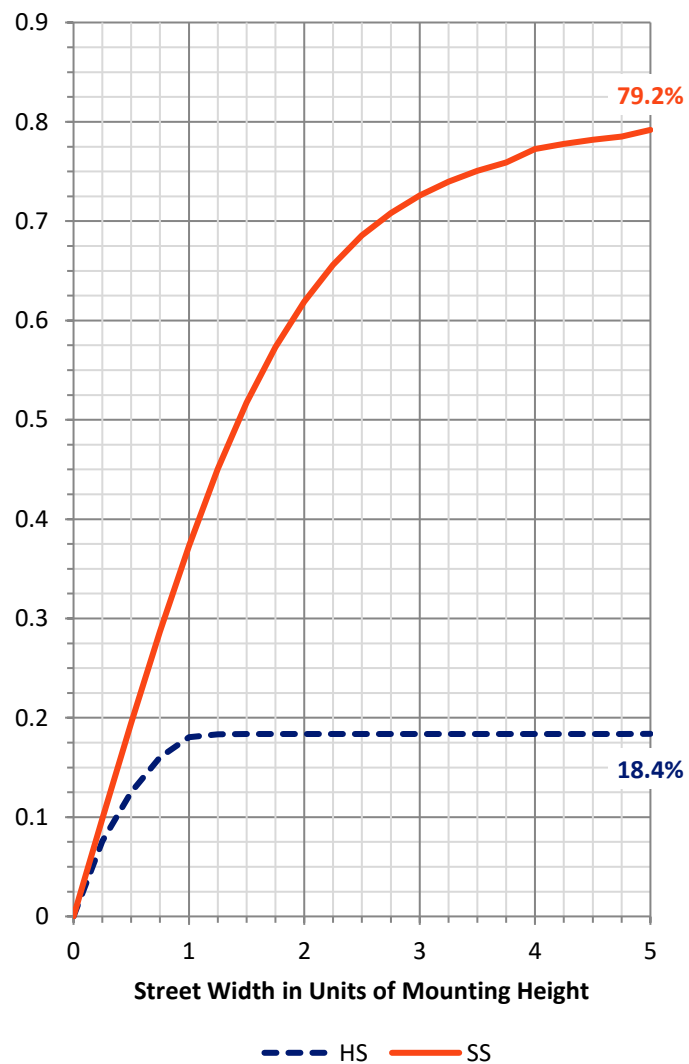
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	616.4	2.5	618.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2667.8	46.3	2714.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	3284.2	48.8	3333.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	1.3
10°-20°	115.1	3.5
20°-30°	202.8	6.1
30°-40°	346.7	10.4
40°-50°	476.4	14.3
50°-60°	588.8	17.7
60°-70°	822.9	24.7
70°-80°	601.1	18.0
80°-90°	88.3	2.6
90°-100°	38.9	1.2
100°-110°	8.9	0.3
110°-120°	0.5	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3284.2	98.5
0°-180°	3333.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691267

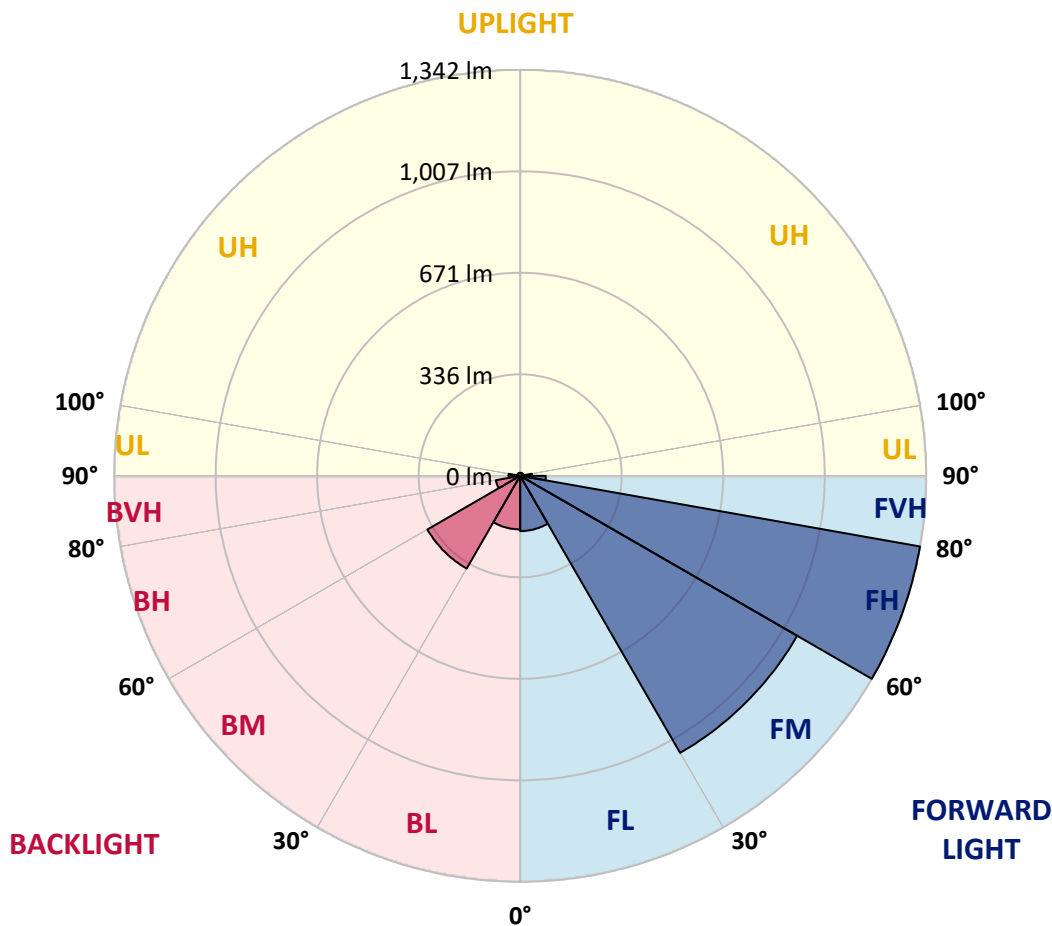
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.8	5.5			
FM	(30°-60°)	1057.7	31.7			
FH	(60°-80°)	1342.4	40.3			G1/1800
FVH	(80°-90°)	84.8	2.5			G1/100
BL	(0°-30°)	177.2	5.3	B1/500		
BM	(30°-60°)	354.2	10.6	B1/1000		
BH	(60°-80°)	81.6	2.4	B0/110		G0/110
BVH	(80°-90°)	3.4	0.1			G0/10
UL	(90°-100°)	38.9	1.2		U2/50	
UH	(100°-180°)	9.9	0.3		U1/10	

BUG Rating: B1-U2-G1

Type IV Short



REPORT NUMBER: P691267

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7
2.5°	462.7	462.7	462.7	462.7	464.3	462.7	461.1	457.8	457.8	457.8	457.8
5°	456.2	456.2	457.8	457.8	456.2	454.6	451.3	451.3	449.7	449.7	449.7
7.5°	446.4	446.4	446.4	448.1	444.8	439.9	438.3	436.6	435.0	433.4	431.8
10°	431.8	431.8	431.8	430.1	426.9	422.0	418.7	415.5	415.5	413.8	412.2
12.5°	422.0	422.0	422.0	420.4	415.5	412.2	407.3	404.1	402.4	402.4	400.8
15°	418.7	418.7	418.7	417.1	412.2	409.0	404.1	400.8	397.5	395.9	394.3
17.5°	418.7	418.7	418.7	415.5	413.8	409.0	404.1	400.8	399.2	397.5	395.9
20°	423.6	425.2	423.6	422.0	417.1	413.8	409.0	404.1	402.4	402.4	400.8
22.5°	436.6	435.0	435.0	433.4	428.5	423.6	420.4	417.1	413.8	413.8	412.2
25°	451.3	452.9	452.9	449.7	446.4	441.5	436.6	431.8	430.1	428.5	426.9
27.5°	472.5	472.5	474.1	470.9	466.0	462.7	457.8	454.6	451.3	448.1	446.4
30°	498.6	500.2	500.2	496.9	492.0	485.5	482.3	477.4	472.5	472.5	467.6
32.5°	532.8	536.0	534.4	531.1	526.3	519.7	516.5	511.6	508.3	503.4	500.2
35°	580.0	581.7	580.0	576.8	568.6	562.1	558.8	555.6	552.3	545.8	539.3
37.5°	632.2	633.8	635.4	632.2	622.4	612.6	609.4	604.5	602.8	594.7	591.4
40°	692.4	695.7	694.1	689.2	681.0	671.3	669.6	664.7	659.9	655.0	646.8
42.5°	765.8	765.8	764.1	760.9	754.4	743.0	739.7	734.8	731.5	721.8	708.7
45°	850.5	852.1	847.2	842.3	840.7	830.9	822.8	817.9	808.1	796.7	782.1
47.5°	949.9	948.2	941.7	936.8	935.2	927.1	920.5	910.8	897.7	884.7	857.0
50°	1052.5	1052.5	1041.1	1036.2	1039.5	1028.1	1019.9	1008.5	995.5	982.5	941.7
52.5°	1163.3	1158.4	1147.0	1148.6	1143.8	1132.4	1122.6	1114.4	1101.4	1090.0	1024.8
55°	1274.1	1267.6	1249.7	1251.3	1243.1	1230.1	1223.6	1213.8	1210.6	1197.5	1104.7
57.5°	1376.7	1368.6	1349.0	1347.4	1340.9	1326.2	1323.0	1311.6	1303.4	1296.9	1164.9
60°	1476.1	1468.0	1450.1	1443.5	1430.5	1415.8	1417.5	1411.0	1406.1	1399.6	1231.7
62.5°	1565.7	1556.0	1539.7	1526.6	1508.7	1495.7	1497.3	1494.1	1497.3	1495.7	1288.8
65°	1687.9	1678.2	1653.7	1630.9	1604.8	1585.3	1583.7	1588.6	1622.8	1626.0	1376.7
67.5°	1730.3	1720.5	1689.6	1661.9	1640.7	1626.0	1622.8	1621.1	1630.9	1653.7	1358.8
70°	1596.7	1590.2	1560.9	1541.3	1520.1	1510.3	1500.6	1505.5	1515.2	1513.6	1246.4
72.5°	1378.4	1414.2	1376.7	1358.8	1353.9	1327.9	1334.4	1329.5	1336.0	1334.4	1107.9
75°	1140.5	1130.7	1122.6	1153.5	1130.7	1111.2	1122.6	1134.0	1145.4	1132.4	971.1
77.5°	829.3	835.8	832.6	844.0	865.1	855.4	848.9	876.6	881.4	837.5	754.4
80°	417.1	443.2	451.3	470.9	482.3	461.1	443.2	482.3	475.8	425.2	382.9
82.5°	109.2	110.8	127.1	149.9	153.2	149.9	153.2	149.9	130.3	83.1	70.1
85°	91.2	91.2	112.4	136.9	141.7	135.2	135.2	127.1	101.0	52.1	42.4
87.5°	74.9	78.2	101.0	123.8	127.1	120.6	118.9	109.2	88.0	45.6	35.8
90°	66.8	70.1	91.2	110.8	112.4	105.9	104.3	97.8	79.8	45.6	35.8
92.5°	73.3	74.9	89.6	101.0	101.0	96.1	94.5	89.6	78.2	57.0	44.0
95°	65.2	66.8	73.3	78.2	76.6	71.7	74.9	70.1	65.2	53.8	40.7
97.5°	53.8	55.4	57.0	57.0	55.4	52.1	55.4	53.8	50.5	44.0	32.6
100°	40.7	40.7	40.7	42.4	40.7	39.1	40.7	37.5	35.8	31.0	22.8
102.5°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	24.4	22.8	19.6	13.0
105°	16.3	16.3	14.7	16.3	16.3	14.7	14.7	13.0	9.8	8.1	4.9
107.5°	6.5	6.5	4.9	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6
110°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.6
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	1.6	1.6	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	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	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	0.0
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	1.6	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
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	0.0	1.6	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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: P691267

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7	462.7
2.5°	457.8	457.8	457.8	457.8	457.8	457.8	459.5	461.1	462.7	462.7
5°	449.7	449.7	449.7	448.1	449.7	451.3	452.9	452.9	454.6	454.6
7.5°	433.4	431.8	431.8	431.8	433.4	436.6	436.6	438.3	439.9	439.9
10°	412.2	412.2	412.2	412.2	413.8	417.1	417.1	420.4	420.4	420.4
12.5°	400.8	400.8	399.2	397.5	400.8	400.8	405.7	407.3	409.0	412.2
15°	394.3	392.7	394.3	394.3	395.9	397.5	399.2	402.4	404.1	405.7
17.5°	394.3	394.3	394.3	395.9	397.5	397.5	399.2	402.4	404.1	405.7
20°	400.8	400.8	399.2	399.2	400.8	400.8	404.1	407.3	409.0	410.6
22.5°	410.6	409.0	409.0	407.3	409.0	410.6	413.8	417.1	417.1	417.1
25°	423.6	422.0	422.0	422.0	425.2	425.2	428.5	431.8	431.8	431.8
27.5°	444.8	441.5	439.9	439.9	439.9	441.5	444.8	446.4	448.1	448.1
30°	462.7	459.5	457.8	456.2	457.8	459.5	462.7	466.0	466.0	466.0
32.5°	495.3	487.2	482.3	483.9	483.9	485.5	488.8	488.8	490.4	490.4
35°	532.8	524.6	516.5	518.1	518.1	519.7	519.7	519.7	523.0	519.7
37.5°	580.0	567.0	560.5	562.1	558.8	558.8	558.8	558.8	557.2	560.5
40°	630.5	611.0	604.5	606.1	604.5	602.8	602.8	604.5	602.8	604.5
42.5°	622.4	540.9	560.5	583.3	599.6	611.0	624.0	630.5	630.5	637.0
45°	544.2	321.0	343.8	374.7	400.8	428.5	441.5	451.3	457.8	470.9
47.5°	472.5	115.7	132.0	153.2	180.9	180.9	203.7	213.4	216.7	228.1
50°	459.5	17.9	14.7	16.3	17.9	19.6	21.2	26.1	26.1	32.6
52.5°	500.2	16.3	9.8	6.5	6.5	4.9	3.3	3.3	3.3	4.9
55°	545.8	17.9	9.8	6.5	4.9	4.9	1.6	1.6	1.6	1.6
57.5°	584.9	16.3	8.1	6.5	4.9	3.3	0.0	0.0	0.0	0.0
60°	627.3	17.9	9.8	6.5	4.9	3.3	0.0	0.0	0.0	0.0
62.5°	664.7	17.9	9.8	6.5	4.9	1.6	0.0	0.0	0.0	0.0
65°	718.5	19.6	9.8	6.5	3.3	0.0	0.0	0.0	0.0	0.0
67.5°	728.3	19.6	9.8	4.9	1.6	0.0	0.0	0.0	0.0	0.0
70°	650.1	16.3	6.5	3.3	1.6	0.0	0.0	0.0	0.0	0.0
72.5°	558.8	9.8	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	449.7	8.1	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	301.4	6.5	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	135.2	4.9	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0
82.5°	29.3	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.6	3.3	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0
87.5°	17.9	1.6	1.6	1.6	0.0	0.0	0.0	1.6	0.0	0.0
90°	17.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	21.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	19.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	14.7	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	9.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)