

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: P691019

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3455.9 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

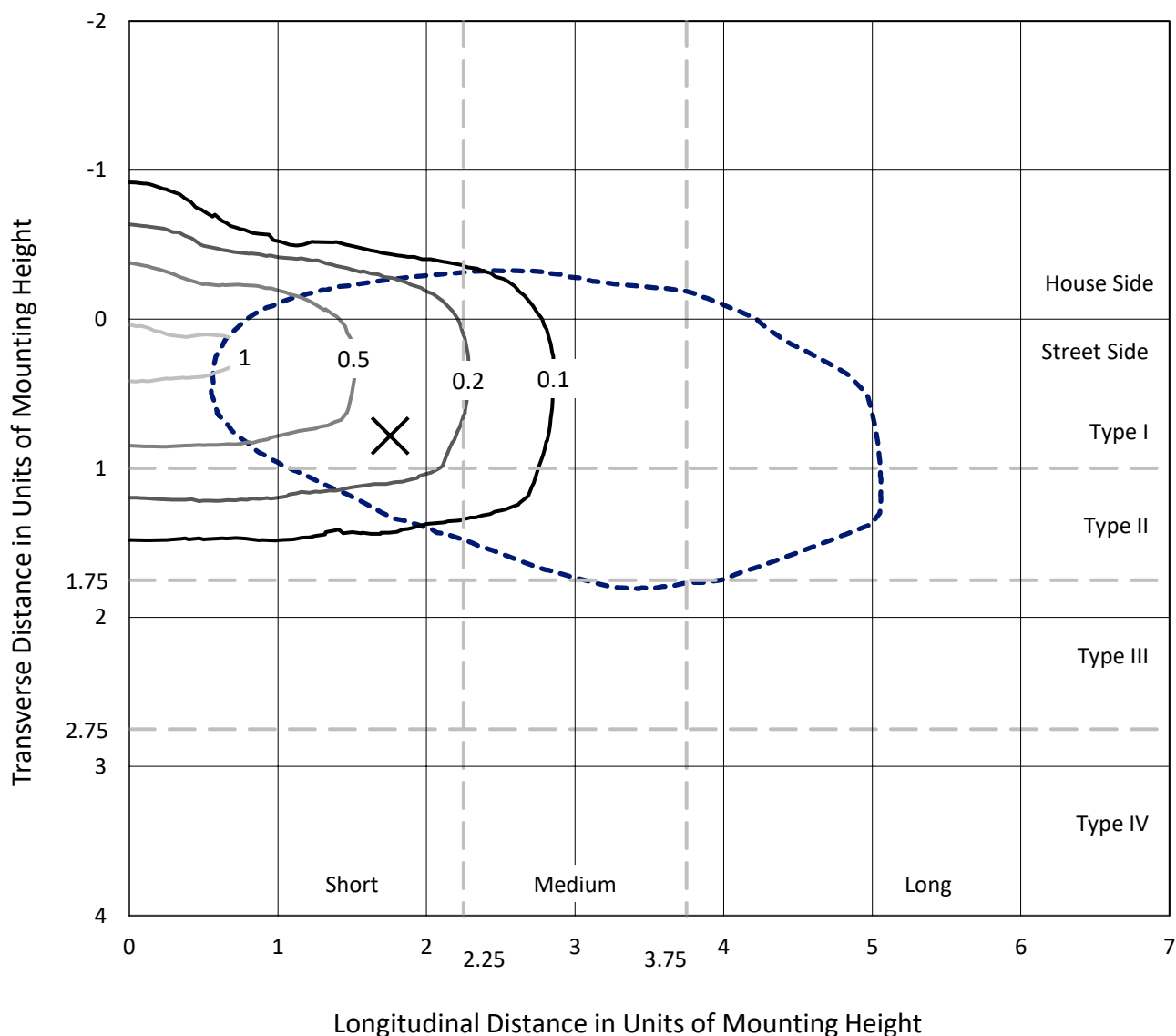
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691019
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

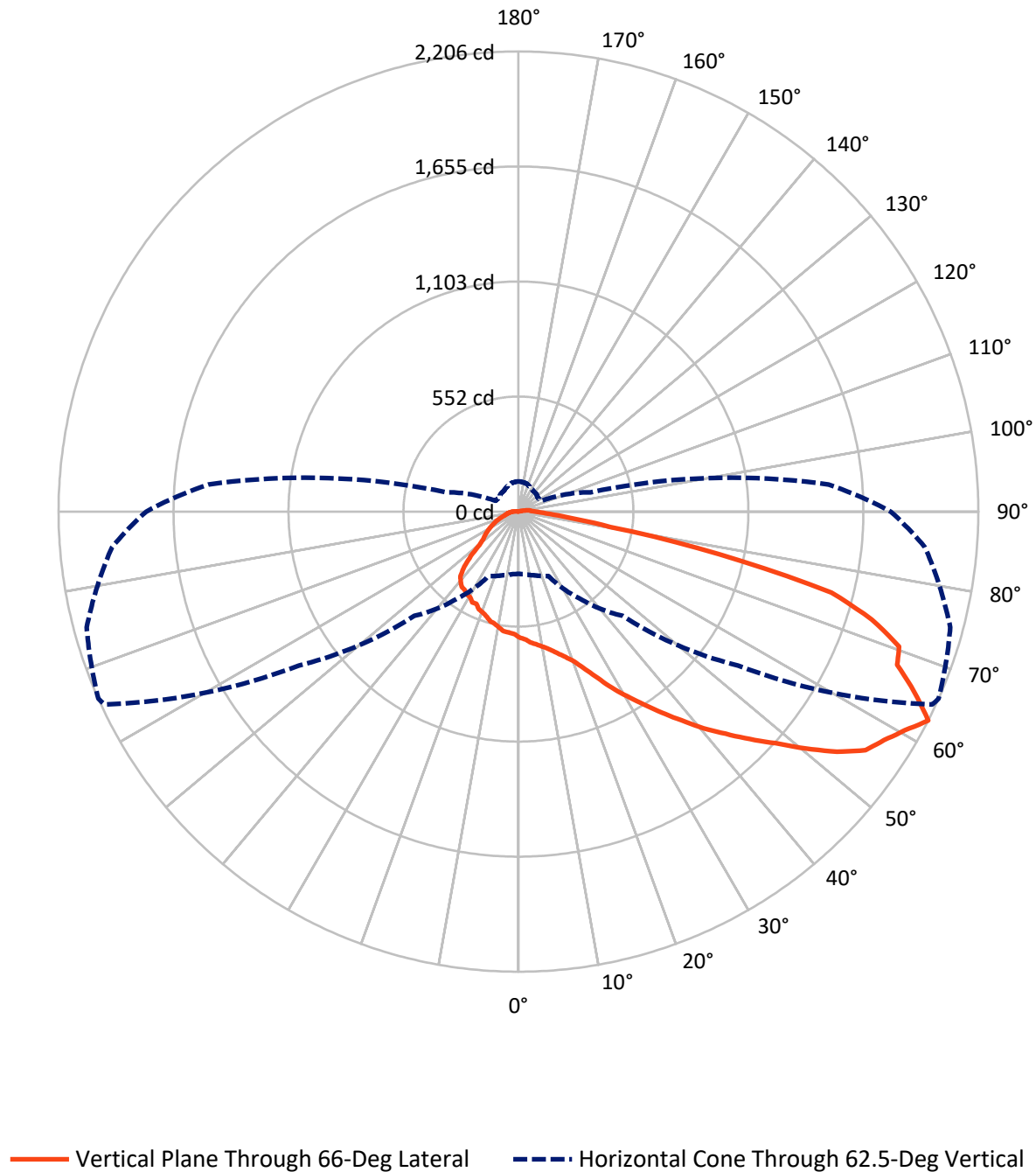
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P691019
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030

Luminous Intensity Polar Plot



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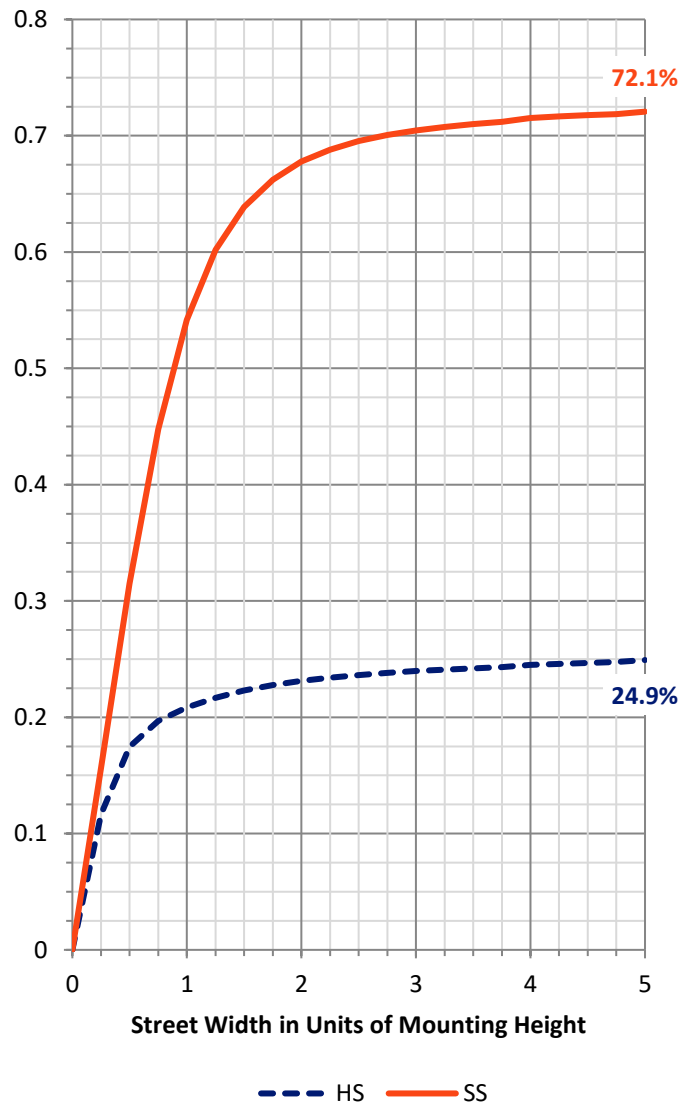
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	899.6	24.8	924.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2507.0	24.6	2531.6
	% Fixture	72.5	0.7	73.3
Total	Lumens	3406.6	49.4	3455.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.7
10°-20°	173.8	5.0
20°-30°	294.0	8.5
30°-40°	430.2	12.4
40°-50°	562.3	16.3
50°-60°	654.3	18.9
60°-70°	654.6	18.9
70°-80°	451.7	13.1
80°-90°	127.7	3.7
90°-100°	42.1	1.2
100°-110°	5.8	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	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°	3406.6	98.6
0°-180°	3455.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691019

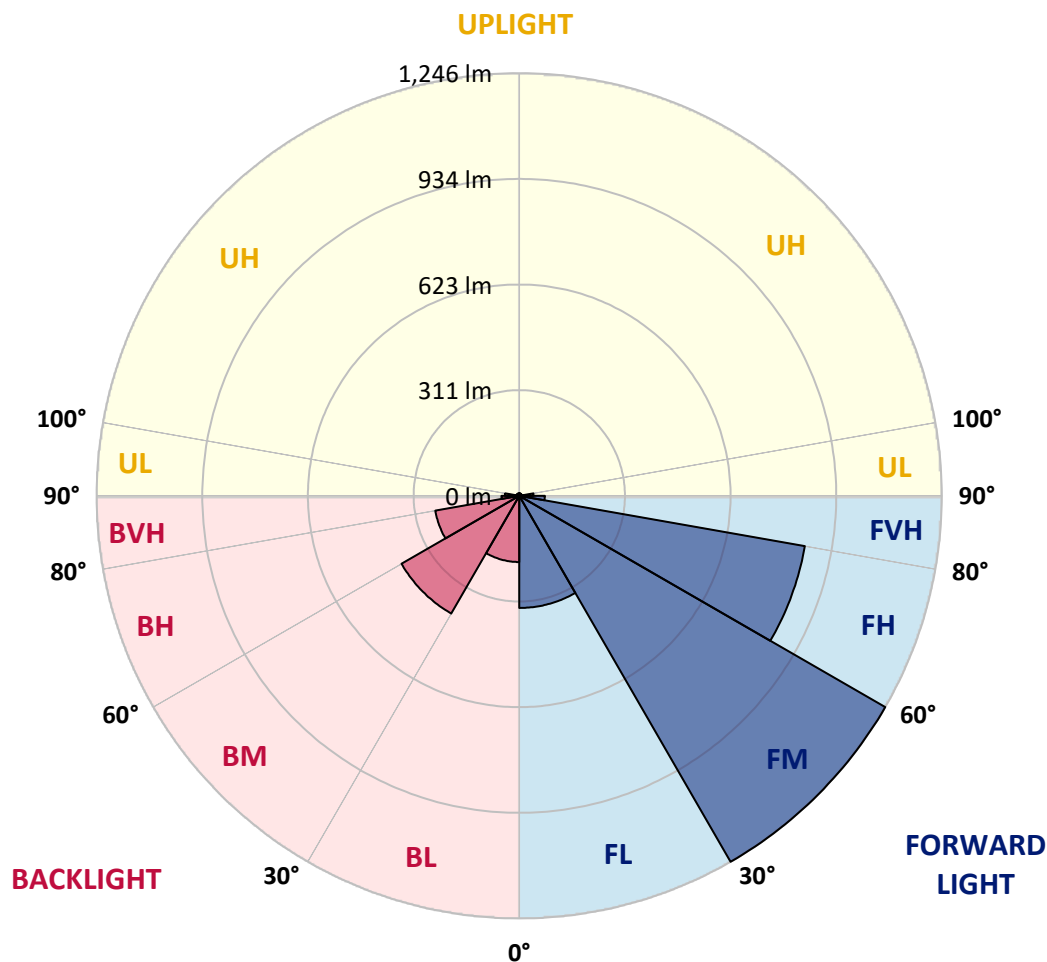
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.6	9.6			
FM	(30°-60°)	1246.0	36.1			
FH	(60°-80°)	855.0	24.7			G1/1800
FVH	(80°-90°)	75.4	2.2			G1/100
BL	(0°-30°)	195.2	5.6	B1/500		
BM	(30°-60°)	400.8	11.6	B1/1000		
BH	(60°-80°)	251.3	7.3	B1/500		G1/500
BVH	(80°-90°)	52.3	1.5			G1/100
UL	(90°-100°)	42.1	1.2		U2/50	
UH	(100°-180°)	7.3	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P691019

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8
2.5°	634.8	633.7	633.7	627.9	622.2	621.0	617.6	613.0	613.0	609.6	603.8
5°	672.7	671.6	672.7	664.7	656.6	649.7	638.3	632.5	631.4	623.3	611.9
7.5°	699.1	698.0	696.8	689.9	686.5	679.6	663.5	646.3	644.0	636.0	621.0
10°	709.4	710.6	716.3	704.8	698.0	692.2	683.0	662.4	660.1	641.7	618.7
12.5°	737.0	738.1	734.7	720.9	718.6	714.0	699.1	681.9	679.6	656.6	624.5
15°	765.7	765.7	761.1	753.1	747.3	742.7	724.4	706.0	704.8	677.3	639.4
17.5°	778.3	780.6	781.8	771.4	769.1	768.0	758.8	735.8	733.5	707.1	660.1
20°	786.4	787.5	788.6	787.5	788.6	787.5	792.1	773.7	768.0	740.4	683.0
22.5°	802.4	804.7	812.8	812.8	816.2	824.2	820.8	823.1	820.8	787.5	722.1
25°	810.5	813.9	824.2	836.9	851.8	861.0	873.6	882.8	883.9	854.1	781.8
27.5°	797.8	805.9	832.3	851.8	886.2	910.3	940.2	955.1	957.4	928.7	846.0
30°	813.9	813.9	830.0	857.5	900.0	956.2	1002.2	1025.1	1027.4	1005.6	910.3
32.5°	784.1	790.9	827.7	880.5	941.3	1005.6	1050.4	1095.2	1100.9	1094.0	1002.2
35°	780.6	784.1	807.0	862.1	943.6	1051.5	1113.5	1172.1	1183.5	1185.8	1090.6
37.5°	748.5	753.1	795.5	864.4	975.8	1083.7	1162.9	1259.3	1269.6	1285.7	1167.5
40°	708.3	715.2	749.6	826.5	966.6	1121.6	1215.7	1351.1	1366.1	1385.6	1268.5
42.5°	655.5	668.1	726.7	809.3	962.0	1134.2	1266.2	1443.0	1456.8	1477.4	1353.4
45°	610.7	614.2	661.2	747.3	925.3	1151.4	1313.3	1546.3	1555.5	1565.8	1422.3
47.5°	570.5	577.4	617.6	698.0	886.2	1148.0	1354.6	1643.9	1659.9	1690.9	1506.1
50°	451.1	467.2	580.9	655.5	826.5	1137.6	1389.0	1758.7	1785.1	1796.6	1601.4
52.5°	390.3	394.9	452.3	614.2	759.9	1103.2	1418.9	1883.8	1913.6	1887.2	1716.2
55°	360.5	365.1	391.5	530.4	708.3	1033.2	1441.8	2002.0	2020.4	1958.4	1801.1
57.5°	344.4	347.8	361.6	429.3	645.2	921.8	1444.1	2060.6	2067.5	2014.7	1844.8
60°	316.8	320.3	344.4	374.2	575.1	803.6	1404.0	2093.9	2129.5	2083.5	1928.6
62.5°	298.5	300.8	316.8	340.9	507.4	707.1	1286.9	2189.2	2206.4	2144.4	1957.3
65°	275.5	277.8	292.7	314.5	463.8	653.2	1236.3	2150.1	2087.0	2129.5	1995.1
67.5°	249.1	252.6	266.3	284.7	391.5	600.4	1090.6	2004.3	1959.6	2053.7	1896.4
70°	225.0	227.3	242.2	252.6	321.4	531.5	905.7	1890.7	1937.8	1936.6	1806.9
72.5°	198.6	200.9	213.5	222.7	268.6	450.0	718.6	1759.8	1773.6	1724.2	1599.1
75°	171.0	172.2	183.7	192.9	220.4	360.5	524.6	1455.6	1550.9	1648.5	1383.3
77.5°	137.8	141.2	150.4	155.0	176.8	288.1	342.1	862.1	984.9	1449.9	1236.3
80°	103.3	103.3	110.2	112.5	130.9	214.7	215.8	415.6	446.6	921.8	918.4
82.5°	65.4	68.9	75.8	74.6	88.4	122.8	136.6	230.7	248.0	365.1	407.5
85°	52.8	54.0	58.5	55.1	58.5	66.6	76.9	145.8	151.5	222.7	221.6
87.5°	43.6	44.8	48.2	45.9	47.1	50.5	59.7	97.6	99.9	143.5	148.1
90°	33.3	34.4	39.0	37.9	36.7	41.3	49.4	74.6	78.1	113.6	121.7
92.5°	21.8	21.8	25.3	25.3	25.3	29.8	43.6	57.4	59.7	103.3	109.1
95°	16.1	16.1	17.2	18.4	17.2	21.8	32.1	51.7	56.2	96.4	94.1
97.5°	10.3	10.3	11.5	12.6	11.5	13.8	18.4	36.7	41.3	74.6	73.5
100°	6.9	6.9	6.9	6.9	6.9	6.9	10.3	24.1	27.6	47.1	45.9
102.5°	4.6	4.6	4.6	4.6	3.4	3.4	4.6	11.5	12.6	25.3	24.1
105°	1.1	1.1	2.3	2.3	2.3	1.1	1.1	4.6	5.7	10.3	10.3
107.5°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.1	1.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691019

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	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	1.1
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	1.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	1.1	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	1.1	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: P691019

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8	603.8
2.5°	601.5	598.1	592.3	586.6	583.2	579.7	574.0	569.4	569.4	575.1	575.1
5°	603.8	596.9	585.5	580.9	575.1	567.1	557.9	551.0	547.6	552.2	553.3
7.5°	609.6	599.2	587.8	577.4	557.9	543.0	534.9	525.8	524.6	529.2	531.5
10°	605.0	594.6	580.9	561.4	540.7	529.2	514.3	502.8	502.8	499.4	501.7
12.5°	609.6	595.8	568.2	547.6	529.2	504.0	485.6	474.1	473.0	476.4	476.4
15°	621.0	600.4	564.8	539.5	509.7	484.4	466.1	453.4	456.9	450.0	451.1
17.5°	634.8	603.8	564.8	521.2	487.9	463.8	438.5	423.6	424.7	425.9	427.0
20°	652.0	613.0	559.1	507.4	467.2	432.8	404.1	392.6	389.2	391.5	392.6
22.5°	678.4	633.7	556.8	500.5	438.5	405.2	380.0	357.0	354.7	354.7	354.7
25°	722.1	664.7	567.1	477.5	423.6	373.1	344.4	322.6	312.2	313.4	314.5
27.5°	788.6	714.0	577.4	478.7	389.2	344.4	308.8	284.7	279.0	280.1	281.2
30°	858.7	780.6	603.8	455.7	369.6	300.8	264.0	246.8	239.9	236.5	237.6
32.5°	912.6	839.2	640.6	448.9	334.1	253.7	230.7	217.0	207.8	204.3	204.3
35°	998.7	896.6	670.4	431.6	297.3	223.9	205.5	190.6	186.0	183.7	183.7
37.5°	1072.2	959.7	701.4	424.7	252.6	200.9	177.9	168.7	168.7	166.5	165.3
40°	1151.4	1026.3	718.6	404.1	218.1	176.8	153.8	152.7	156.1	156.1	156.1
42.5°	1246.7	1095.2	737.0	380.0	191.7	149.2	136.6	145.8	153.8	156.1	156.1
45°	1317.9	1138.8	745.0	328.3	165.3	129.7	134.3	143.5	153.8	157.3	156.1
47.5°	1378.7	1201.9	733.5	265.2	142.3	126.3	132.0	140.1	152.7	157.3	157.3
50°	1439.5	1255.9	725.5	191.7	133.2	126.3	132.0	135.5	149.2	155.0	155.0
52.5°	1529.1	1298.3	693.4	160.7	126.3	127.4	134.3	134.3	146.9	153.8	157.3
55°	1643.9	1395.9	632.5	150.4	124.0	126.3	135.5	135.5	144.6	151.5	153.8
57.5°	1690.9	1430.4	528.1	141.2	121.7	126.3	132.0	134.3	145.8	150.4	149.2
60°	1752.9	1486.6	432.8	132.0	117.1	124.0	127.4	135.5	144.6	145.8	144.6
62.5°	1786.2	1493.5	358.2	122.8	113.6	120.5	121.7	130.9	140.1	143.5	144.6
65°	1804.6	1486.6	265.2	113.6	110.2	115.9	117.1	125.1	134.3	136.6	137.8
67.5°	1738.0	1439.5	183.7	104.5	106.8	110.2	112.5	120.5	127.4	134.3	136.6
70°	1618.6	1302.9	130.9	93.0	101.0	104.5	109.1	117.1	124.0	133.2	135.5
72.5°	1486.6	1049.2	96.4	79.2	93.0	97.6	105.6	111.4	121.7	133.2	136.6
75°	1362.6	920.7	76.9	67.7	79.2	89.5	99.9	107.9	122.8	163.0	168.7
77.5°	966.6	622.2	68.9	59.7	67.7	78.1	91.8	105.6	171.0	194.0	195.2
80°	701.4	366.2	62.0	52.8	58.5	63.1	83.8	129.7	189.4	179.1	179.1
82.5°	351.3	196.3	58.5	47.1	50.5	51.7	74.6	165.3	152.7	159.6	160.7
85°	169.9	95.3	48.2	41.3	43.6	42.5	70.0	157.3	144.6	145.8	143.5
87.5°	106.8	58.5	37.9	34.4	35.6	34.4	66.6	150.4	151.5	124.0	126.3
90°	96.4	68.9	29.8	27.6	24.1	28.7	59.7	140.1	148.1	89.5	74.6
92.5°	93.0	74.6	21.8	19.5	17.2	23.0	44.8	113.6	90.7	37.9	23.0
95°	82.7	65.4	18.4	13.8	16.1	19.5	28.7	75.8	60.8	0.0	0.0
97.5°	62.0	48.2	14.9	9.2	51.7	17.2	16.1	49.4	17.2	0.0	0.0
100°	39.0	29.8	11.5	6.9	58.5	11.5	10.3	28.7	0.0	0.0	0.0
102.5°	21.8	16.1	5.7	4.6	25.3	5.7	6.9	6.9	0.0	0.0	0.0
105°	9.2	8.0	2.3	2.3	2.3	1.1	3.4	0.0	0.0	0.0	0.0
107.5°	2.3	3.4	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
110°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
115°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
117.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
120°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
122.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
125°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
127.5°	1.1	1.1	1.1	2.3	1.1	1.1	0.0	0.0	0.0	0.0	0.0
130°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
165°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.1	1.1	1.1	1.1	1.1	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)