

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: P691098

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2759 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - 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



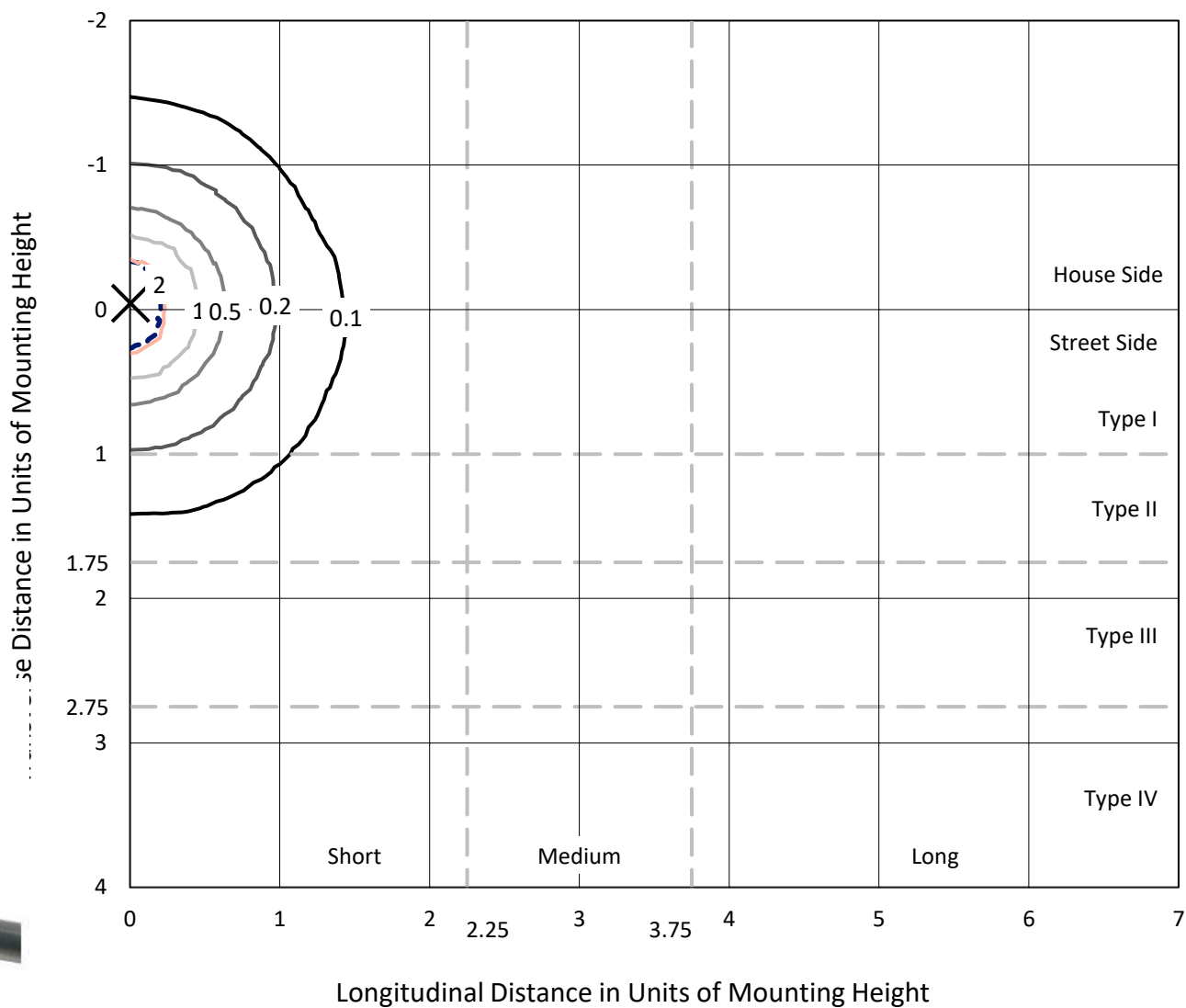
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

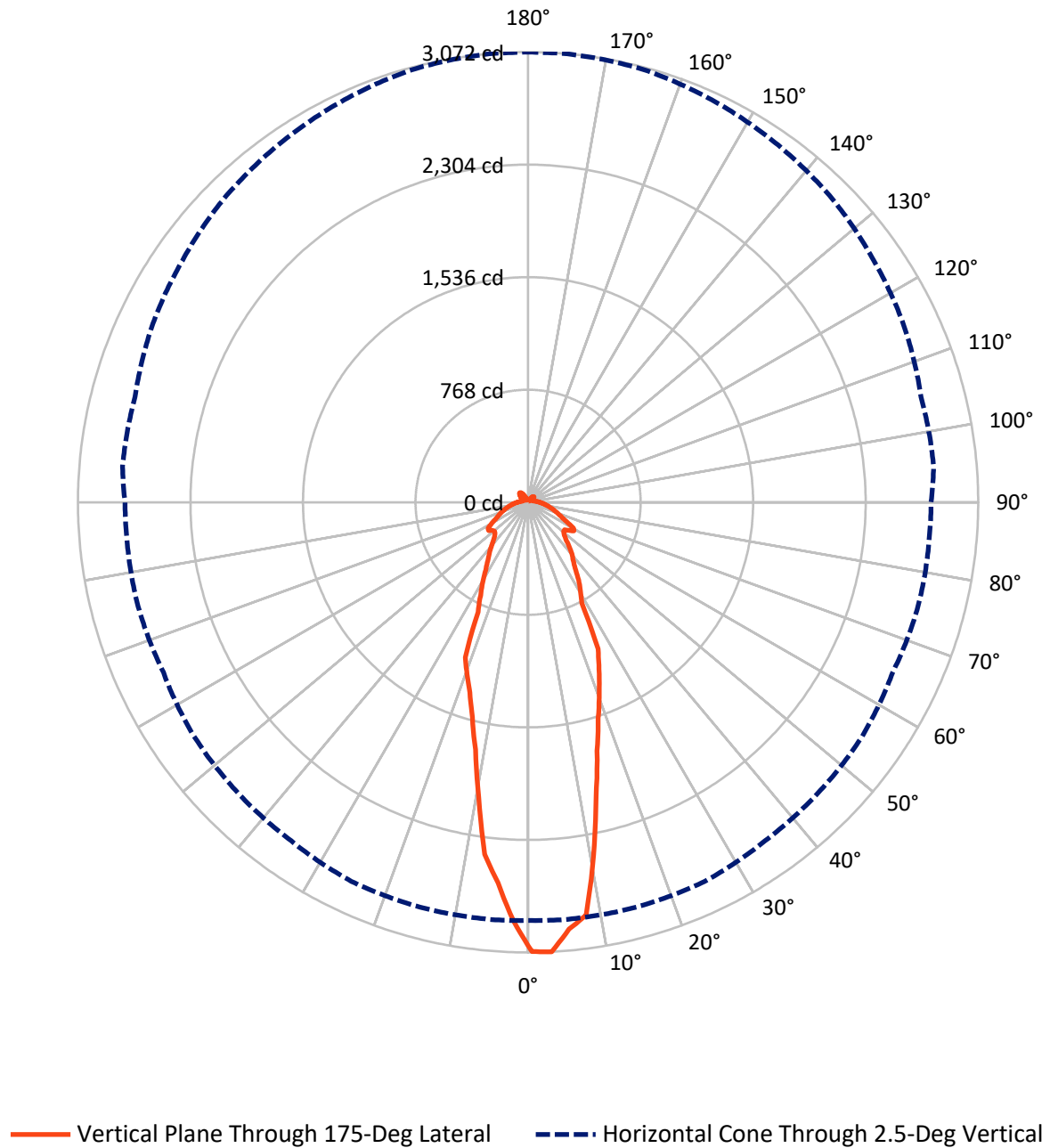


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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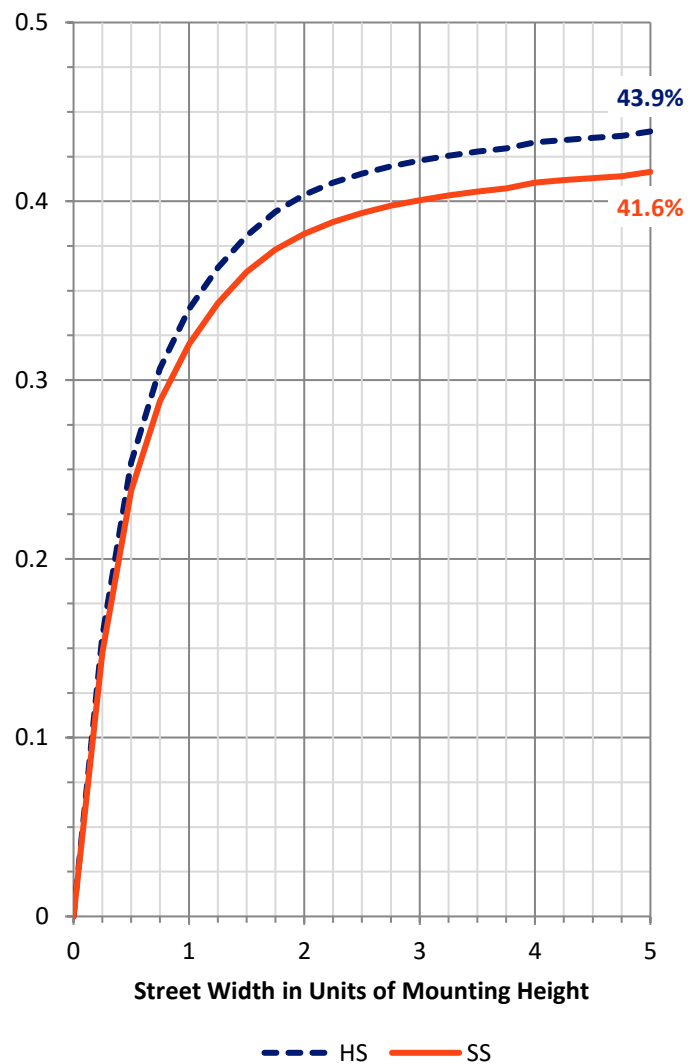
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1248.7	165.0	1413.6
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1176.1	169.3	1345.4
	% Fixture	42.6	6.1	48.8
Total	Lumens	2424.7	334.3	2759.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	8.3
10°-20°	400.6	14.5
20°-30°	397.3	14.4
30°-40°	306.2	11.1
40°-50°	262.5	9.5
50°-60°	293.6	10.6
60°-70°	251.6	9.1
70°-80°	173.1	6.3
80°-90°	111.4	4.0
90°-100°	66.8	2.4
100°-110°	39.7	1.4
110°-120°	36.8	1.3
120°-130°	52.5	1.9
130°-140°	67.8	2.5
140°-150°	50.2	1.8
150°-160°	18.4	0.7
160°-170°	2.1	0.1
170°-180°	0.0	0.0
0°-90°	2424.7	87.9
0°-180°	2759.0	100.0

Coefficient of Utilization



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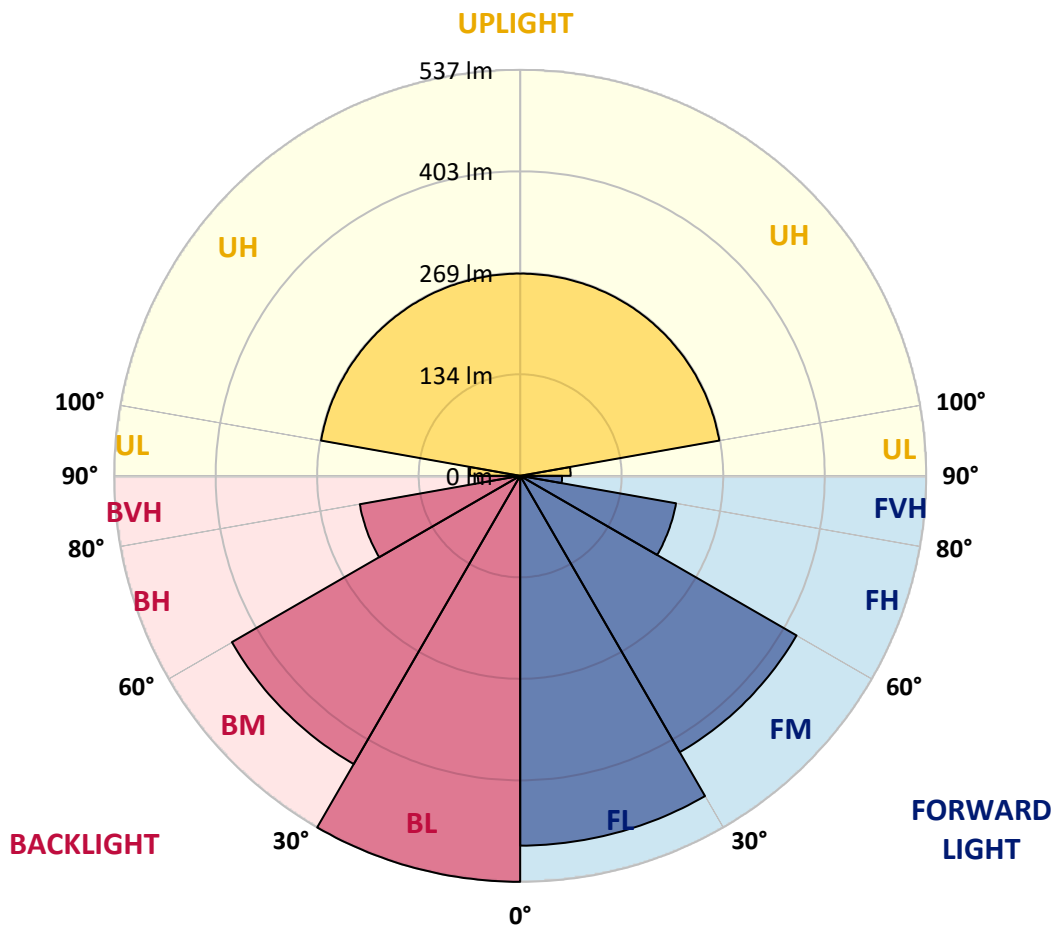
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.1	17.7			
FM	(30°-60°)	422.1	15.3			
FH	(60°-80°)	209.3	7.6			G0/660
FVH	(80°-90°)	55.5	2.0			G1/100
BL	(0°-30°)	537.1	19.5	B2/1000		
BM	(30°-60°)	440.3	16.0	B1/1000		
BH	(60°-80°)	215.4	7.8	B1/500		G0/660
BVH	(80°-90°)	55.9	2.0			G1/100
UL	(90°-100°)	66.8	2.4		U3/500	
UH	(100°-180°)	267.5	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1
2.5°	2854.3	2858.5	2859.5	2854.3	2820.1	2802.4	2783.8	2746.4	2754.7	2749.5	2750.5
5°	2588.6	2605.2	2579.3	2572.0	2520.1	2481.7	2444.4	2403.9	2394.5	2377.9	2384.1
7.5°	2412.2	2421.5	2379.0	2335.4	2252.3	2193.2	2130.9	2068.6	2021.9	2004.3	2011.5
10°	2008.4	2039.6	1997.0	1952.4	1873.5	1802.9	1737.5	1676.3	1633.7	1620.2	1622.3
12.5°	1707.4	1725.1	1688.7	1658.6	1570.4	1502.9	1442.7	1385.7	1351.4	1336.9	1336.9
15°	1508.1	1515.4	1487.4	1429.2	1362.8	1301.6	1250.7	1209.2	1181.2	1176.0	1178.1
17.5°	1357.6	1357.6	1329.6	1283.9	1233.1	1179.1	1143.8	1112.7	1100.2	1104.4	1105.4
20°	1244.5	1245.5	1220.6	1176.0	1132.4	1083.6	1054.5	1032.8	1025.5	1032.8	1033.8
22.5°	1137.6	1142.8	1115.8	1082.6	1034.8	996.4	972.6	948.7	944.5	947.6	947.6
25°	823.1	823.1	813.7	787.8	798.2	802.3	830.4	890.6	878.1	889.5	888.5
27.5°	710.0	714.1	695.4	672.6	648.7	620.7	615.5	610.3	605.1	629.0	637.3
30°	626.9	629.0	613.4	597.9	578.1	562.6	558.4	558.4	553.2	571.9	570.9
32.5°	548.0	544.9	540.8	526.2	513.8	500.3	503.4	501.3	501.3	517.9	519.0
35°	485.8	484.7	481.6	471.2	458.8	448.4	451.5	453.6	452.5	462.9	462.9
37.5°	440.1	441.1	439.0	434.9	422.4	414.1	416.2	414.1	417.3	424.5	424.5
40°	395.5	395.5	396.5	395.5	387.2	384.0	390.3	387.2	394.4	399.6	397.5
42.5°	352.9	353.9	356.0	353.9	348.7	345.6	348.7	349.8	360.2	367.4	366.4
45°	325.9	325.9	327.0	325.9	321.8	318.6	318.6	315.5	322.8	327.0	325.9
47.5°	308.3	308.3	310.3	309.3	307.2	304.1	302.0	297.9	301.0	304.1	301.0
50°	302.0	302.0	306.2	306.2	305.2	302.0	298.9	293.7	294.8	296.9	292.7
52.5°	311.4	311.4	318.6	321.8	321.8	316.6	312.4	305.2	305.2	307.2	301.0
55°	331.1	331.1	342.5	348.7	349.8	349.8	344.6	337.3	338.4	342.5	336.3
57.5°	323.8	324.9	334.2	342.5	347.7	350.8	350.8	346.7	349.8	360.2	357.1
60°	289.6	291.7	297.9	305.2	314.5	317.6	317.6	316.6	321.8	334.2	334.2
62.5°	257.4	258.4	261.6	267.8	273.0	275.1	275.1	270.9	277.1	283.4	281.3
65°	232.5	231.5	237.7	242.9	246.0	249.1	246.0	241.8	245.0	249.1	248.1
67.5°	211.7	211.7	216.9	221.1	223.2	226.3	224.2	222.1	226.3	228.3	226.3
70°	192.0	193.1	197.2	200.3	202.4	205.5	202.4	201.4	205.5	207.6	206.6
72.5°	172.3	173.3	176.4	180.6	182.7	183.7	182.7	181.6	184.8	186.8	186.8
75°	154.7	155.7	157.8	161.9	161.9	164.0	163.0	161.9	165.0	167.1	167.1
77.5°	138.0	140.1	141.2	144.3	145.3	146.3	145.3	145.3	147.4	149.5	150.5
80°	123.5	124.6	125.6	128.7	128.7	129.7	128.7	128.7	130.8	133.9	133.9
82.5°	110.0	111.1	112.1	114.2	113.1	114.2	114.2	114.2	116.2	119.4	119.4
85°	96.5	98.6	98.6	100.7	100.7	100.7	100.7	101.7	102.8	105.9	105.9
87.5°	85.1	86.1	87.2	88.2	88.2	89.3	89.3	90.3	91.3	93.4	94.5
90°	73.7	74.7	75.8	75.8	75.8	76.8	76.8	77.8	78.9	81.0	82.0
92.5°	65.4	66.4	66.4	67.5	67.5	67.5	68.5	69.5	70.6	72.7	72.7
95°	58.1	59.2	59.2	59.2	59.2	60.2	60.2	61.2	62.3	64.4	64.4
97.5°	51.9	51.9	51.9	51.9	51.9	52.9	52.9	54.0	55.0	56.0	56.0
100°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	46.7	46.7	48.8	48.8
102.5°	40.5	40.5	39.4	39.4	39.4	38.4	38.4	39.4	39.4	40.5	40.5
105°	36.3	36.3	36.3	36.3	35.3	35.3	35.3	35.3	35.3	36.3	36.3
107.5°	35.3	35.3	34.3	34.3	34.3	33.2	33.2	33.2	33.2	34.3	34.3
110°	34.3	34.3	34.3	34.3	33.2	33.2	32.2	32.2	32.2	33.2	33.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	35.3	35.3	35.3	34.3	34.3	33.2	33.2	33.2	33.2	33.2	34.3
115°	37.4	36.3	36.3	36.3	36.3	35.3	34.3	34.3	35.3	35.3	35.3
117.5°	40.5	39.4	39.4	40.5	39.4	38.4	37.4	37.4	38.4	38.4	39.4
120°	44.6	43.6	44.6	44.6	44.6	43.6	42.6	41.5	42.6	43.6	43.6
122.5°	49.8	48.8	49.8	50.9	50.9	49.8	47.7	47.7	48.8	49.8	50.9
125°	56.0	56.0	57.1	58.1	59.2	57.1	56.0	55.0	57.1	58.1	58.1
127.5°	63.3	62.3	64.4	67.5	68.5	66.4	64.4	63.3	65.4	67.5	67.5
130°	70.6	69.5	72.7	75.8	77.8	75.8	73.7	72.7	74.7	76.8	76.8
132.5°	76.8	75.8	79.9	84.1	86.1	85.1	83.0	81.0	84.1	86.1	85.1
135°	82.0	82.0	87.2	91.3	93.4	92.4	90.3	88.2	92.4	94.5	92.4
137.5°	85.1	85.1	91.3	95.5	97.6	97.6	96.5	94.5	98.6	99.6	96.5
140°	85.1	86.1	91.3	95.5	96.5	97.6	97.6	96.5	100.7	100.7	97.6
142.5°	82.0	83.0	88.2	92.4	93.4	94.5	95.5	94.5	97.6	97.6	95.5
145°	76.8	77.8	83.0	87.2	87.2	88.2	90.3	89.3	91.3	92.4	90.3
147.5°	69.5	70.6	74.7	76.8	77.8	79.9	82.0	82.0	83.0	84.1	83.0
150°	60.2	60.2	63.3	65.4	66.4	68.5	70.6	71.6	71.6	72.7	71.6
152.5°	47.7	47.7	49.8	51.9	52.9	56.0	57.1	58.1	59.2	60.2	59.2
155°	36.3	36.3	37.4	38.4	39.4	42.6	43.6	44.6	45.7	46.7	45.7
157.5°	25.9	25.9	27.0	28.0	29.1	31.1	32.2	33.2	33.2	34.3	34.3
160°	16.6	17.6	17.6	18.7	18.7	20.8	21.8	21.8	22.8	23.9	23.9
162.5°	8.3	9.3	9.3	10.4	11.4	12.5	13.5	13.5	14.5	14.5	14.5
165°	2.1	3.1	3.1	4.2	4.2	5.2	6.2	6.2	7.3	7.3	7.3
167.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1
170°	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1	3066.1
2.5°	2778.6	2776.5	2833.6	2879.2	2933.2	2975.8	3017.3	3056.7	3072.3	3071.3	3072.3
5°	2412.2	2448.5	2523.2	2596.9	2684.1	2766.1	2842.9	2893.8	2926.0	2926.0	2929.1
7.5°	2044.7	2102.9	2195.2	2312.5	2443.3	2550.2	2680.0	2771.3	2844.0	2841.9	2855.4
10°	1651.4	1697.0	1789.4	1915.0	2059.3	2182.8	2295.9	2381.0	2451.6	2447.5	2465.1
12.5°	1356.6	1388.8	1468.7	1582.9	1714.7	1834.0	1945.1	2011.5	2061.4	2060.3	2069.7
15°	1183.3	1216.5	1268.4	1347.2	1456.2	1562.1	1673.2	1733.4	1761.4	1758.3	1773.8
17.5°	1112.7	1126.2	1158.3	1211.3	1290.2	1376.3	1464.5	1516.4	1548.6	1544.5	1555.9
20°	1036.9	1049.4	1071.2	1110.6	1166.6	1232.0	1306.8	1363.9	1387.7	1386.7	1394.0
22.5°	949.7	955.9	979.8	1011.0	1051.4	1104.4	1161.5	1213.4	1237.2	1236.2	1243.5
25°	889.5	899.9	914.4	933.1	961.1	1002.7	1050.4	1086.7	1108.5	1106.4	1115.8
27.5°	649.8	660.1	667.4	678.8	679.9	714.1	730.7	760.8	780.5	779.5	785.7
30°	570.9	572.9	579.2	594.7	604.1	631.1	664.3	687.1	703.7	710.0	714.1
32.5°	521.0	527.3	534.5	541.8	553.2	569.8	595.8	616.5	634.2	637.3	644.6
35°	464.0	468.1	473.3	480.6	487.8	501.3	521.0	537.7	551.1	556.3	560.5
37.5°	423.5	424.5	429.7	438.0	444.2	455.7	473.3	485.8	499.2	500.3	504.4
40°	396.5	397.5	402.7	410.0	417.3	424.5	440.1	451.5	460.8	461.9	465.0
42.5°	365.4	368.5	370.5	373.7	378.8	385.1	398.6	404.8	411.0	412.1	416.2
45°	322.8	323.8	325.9	329.0	335.3	341.5	350.8	358.1	362.2	362.2	361.2
47.5°	298.9	300.0	300.0	304.1	309.3	315.5	323.8	330.1	332.1	332.1	332.1
50°	290.6	290.6	288.5	291.7	296.9	301.0	309.3	314.5	315.5	316.6	317.6
52.5°	296.9	294.8	288.5	291.7	296.9	301.0	309.3	311.4	311.4	313.5	314.5
55°	331.1	328.0	315.5	317.6	323.8	329.0	335.3	336.3	338.4	341.5	340.4
57.5°	352.9	355.0	340.4	343.6	355.0	359.1	366.4	365.4	369.5	373.7	374.7
60°	332.1	338.4	327.0	331.1	344.6	346.7	353.9	349.8	356.0	356.0	356.0
62.5°	282.3	284.4	278.2	284.4	296.9	296.9	302.0	298.9	301.0	298.9	300.0
65°	247.0	246.0	238.7	247.0	251.2	253.3	257.4	258.4	258.4	256.4	256.4
67.5°	225.2	223.2	216.9	219.0	223.2	224.2	230.4	231.5	230.4	230.4	231.5
70°	205.5	202.4	196.2	197.2	200.3	201.4	206.6	208.6	207.6	206.6	207.6
72.5°	185.8	182.7	176.4	176.4	179.6	181.6	185.8	187.9	185.8	185.8	186.8
75°	167.1	164.0	157.8	157.8	159.8	160.9	166.1	167.1	166.1	165.0	166.1
77.5°	150.5	148.4	142.2	142.2	143.2	144.3	147.4	148.4	147.4	146.3	147.4
80°	134.9	131.8	127.7	126.6	127.7	127.7	130.8	131.8	129.7	129.7	130.8
82.5°	120.4	117.3	113.1	113.1	112.1	113.1	115.2	116.2	115.2	114.2	115.2
85°	106.9	104.8	100.7	99.6	99.6	99.6	101.7	101.7	100.7	100.7	100.7
87.5°	94.5	92.4	88.2	88.2	87.2	88.2	89.3	89.3	88.2	88.2	88.2
90°	82.0	79.9	76.8	76.8	75.8	76.8	77.8	77.8	76.8	76.8	76.8
92.5°	72.7	71.6	68.5	68.5	67.5	68.5	68.5	68.5	67.5	67.5	67.5
95°	64.4	63.3	61.2	60.2	60.2	60.2	60.2	60.2	59.2	59.2	59.2
97.5°	56.0	55.0	52.9	52.9	51.9	52.9	52.9	52.9	51.9	51.9	51.9
100°	48.8	47.7	46.7	46.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
102.5°	40.5	40.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
105°	36.3	36.3	36.3	36.3	37.4	37.4	37.4	36.3	36.3	36.3	36.3
107.5°	34.3	34.3	34.3	35.3	35.3	35.3	36.3	34.3	33.2	33.2	33.2
110°	33.2	33.2	34.3	34.3	35.3	35.3	36.3	32.2	31.1	31.1	31.1

REPORT NUMBER: P691098

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	34.3	34.3	34.3	35.3	36.3	36.3	37.4	32.2	31.1	31.1	31.1
115°	36.3	36.3	36.3	37.4	38.4	39.4	39.4	34.3	32.2	32.2	33.2
117.5°	39.4	39.4	39.4	40.5	42.6	42.6	42.6	36.3	35.3	35.3	35.3
120°	43.6	44.6	44.6	45.7	47.7	48.8	46.7	41.5	38.4	38.4	38.4
122.5°	49.8	50.9	51.9	52.9	56.0	56.0	52.9	47.7	42.6	42.6	43.6
125°	58.1	59.2	60.2	62.3	65.4	65.4	61.2	54.0	47.7	47.7	48.8
127.5°	66.4	68.5	69.5	72.7	76.8	76.8	71.6	62.3	51.9	51.9	52.9
130°	75.8	77.8	79.9	84.1	89.3	87.2	83.0	70.6	55.0	55.0	55.0
132.5°	84.1	87.2	88.2	94.5	99.6	97.6	92.4	75.8	55.0	55.0	54.0
135°	90.3	92.4	93.4	99.6	104.8	101.7	95.5	77.8	51.9	51.9	51.9
137.5°	94.5	96.5	97.6	101.7	105.9	100.7	92.4	73.7	50.9	50.9	49.8
140°	96.5	96.5	96.5	99.6	101.7	95.5	85.1	66.4	48.8	48.8	48.8
142.5°	94.5	93.4	92.4	94.5	95.5	88.2	78.9	59.2	44.6	44.6	44.6
145°	89.3	87.2	86.1	87.2	87.2	78.9	68.5	50.9	38.4	38.4	38.4
147.5°	82.0	78.9	76.8	76.8	75.8	67.5	58.1	42.6	31.1	31.1	31.1
150°	70.6	67.5	65.4	65.4	62.3	55.0	46.7	33.2	25.9	25.9	25.9
152.5°	58.1	55.0	52.9	52.9	49.8	42.6	35.3	24.9	19.7	19.7	19.7
155°	45.7	42.6	40.5	39.4	37.4	32.2	25.9	18.7	14.5	14.5	14.5
157.5°	34.3	32.2	30.1	29.1	27.0	23.9	18.7	13.5	10.4	10.4	10.4
160°	23.9	21.8	20.8	19.7	18.7	15.6	12.5	8.3	5.2	5.2	5.2
162.5°	14.5	13.5	13.5	12.5	11.4	10.4	7.3	4.2	2.1	2.1	2.1
165°	7.3	7.3	6.2	6.2	5.2	4.2	3.1	1.0	0.0	0.0	0.0
167.5°	2.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	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)