

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: P691322

Luminaire Tested: **CRTK2-C015-D-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3584 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 29.9
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



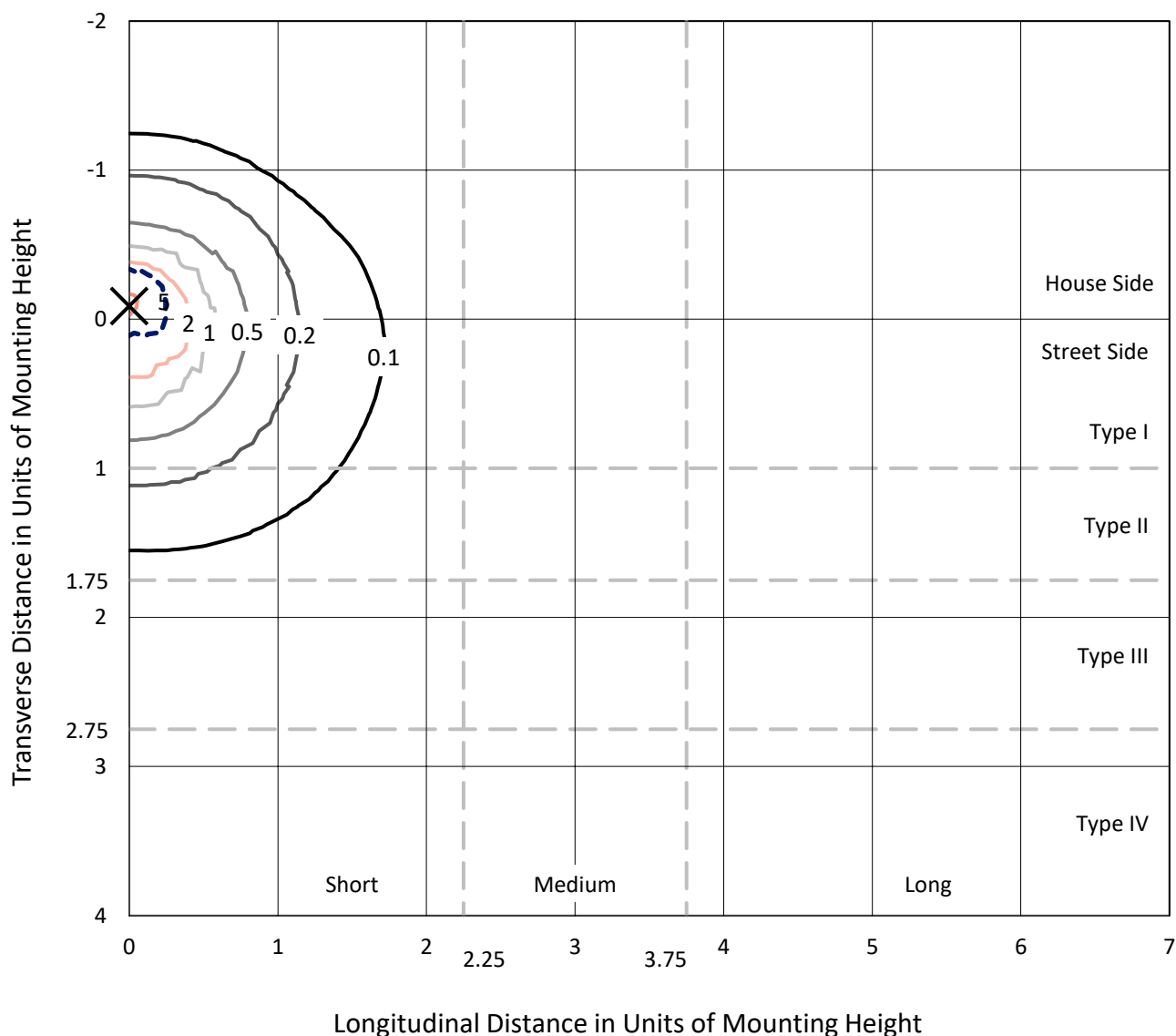
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

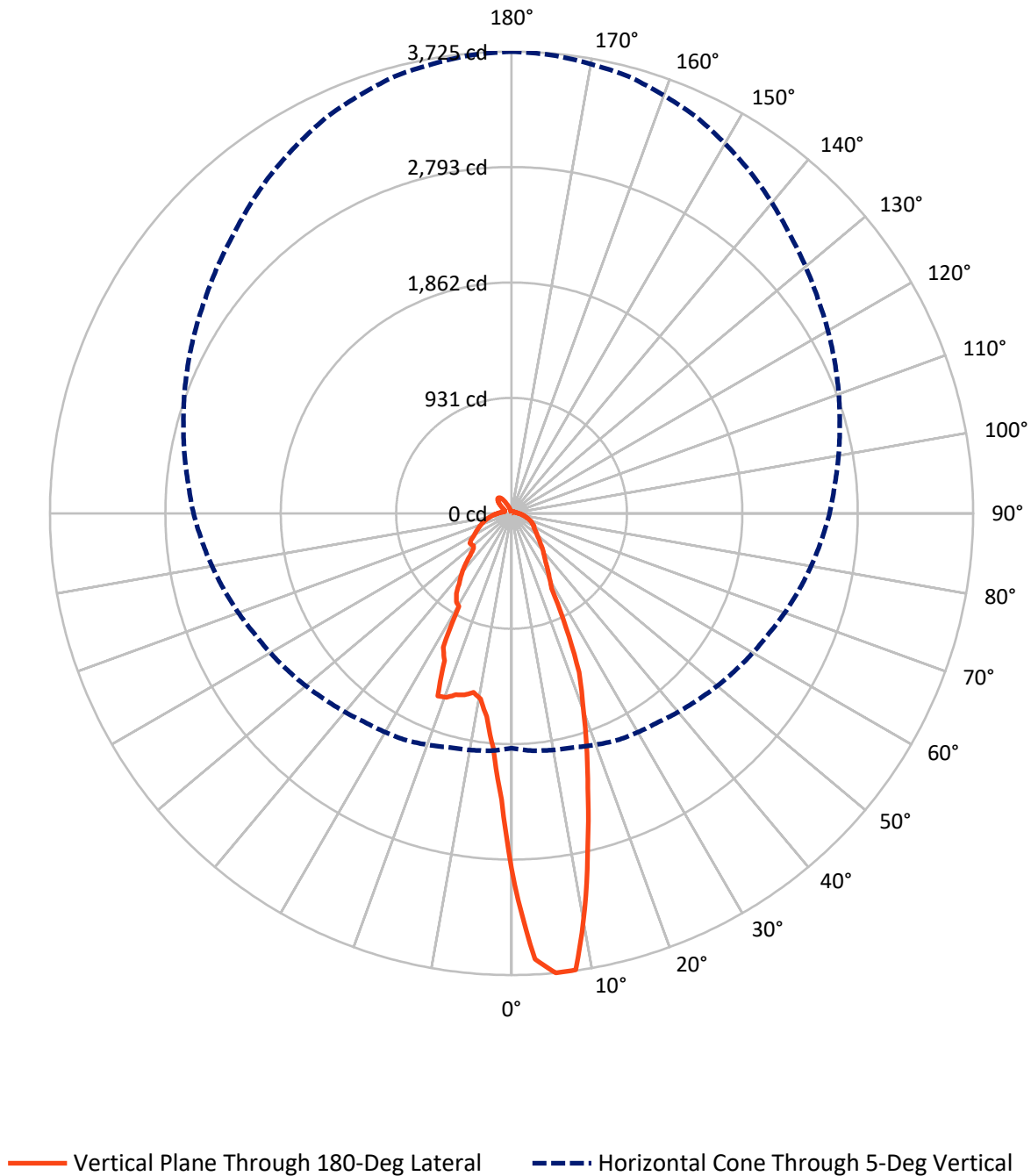


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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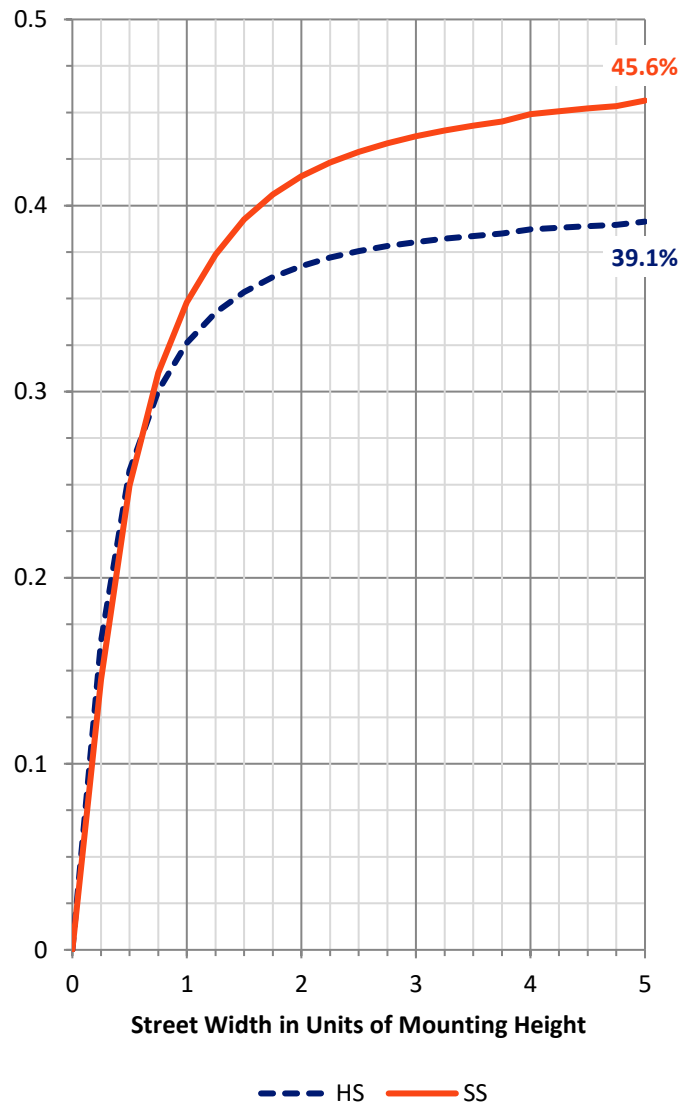
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1440.5	154.5	1594.9
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1681.0	308.1	1989.1
	% Fixture	46.9	8.6	55.5
Total	Lumens	3121.5	462.5	3584.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.9	6.7
10°-20°	516.7	14.4
20°-30°	568.9	15.9
30°-40°	418.0	11.7
40°-50°	350.3	9.8
50°-60°	351.4	9.8
60°-70°	301.0	8.4
70°-80°	224.2	6.3
80°-90°	150.0	4.2
90°-100°	89.1	2.5
100°-110°	51.8	1.4
110°-120°	48.1	1.3
120°-130°	69.8	1.9
130°-140°	93.9	2.6
140°-150°	76.1	2.1
150°-160°	30.1	0.8
160°-170°	3.7	0.1
170°-180°	0.0	0.0
0°-90°	3121.5	87.1
0°-180°	3584.0	100.0

Coefficient of Utilization



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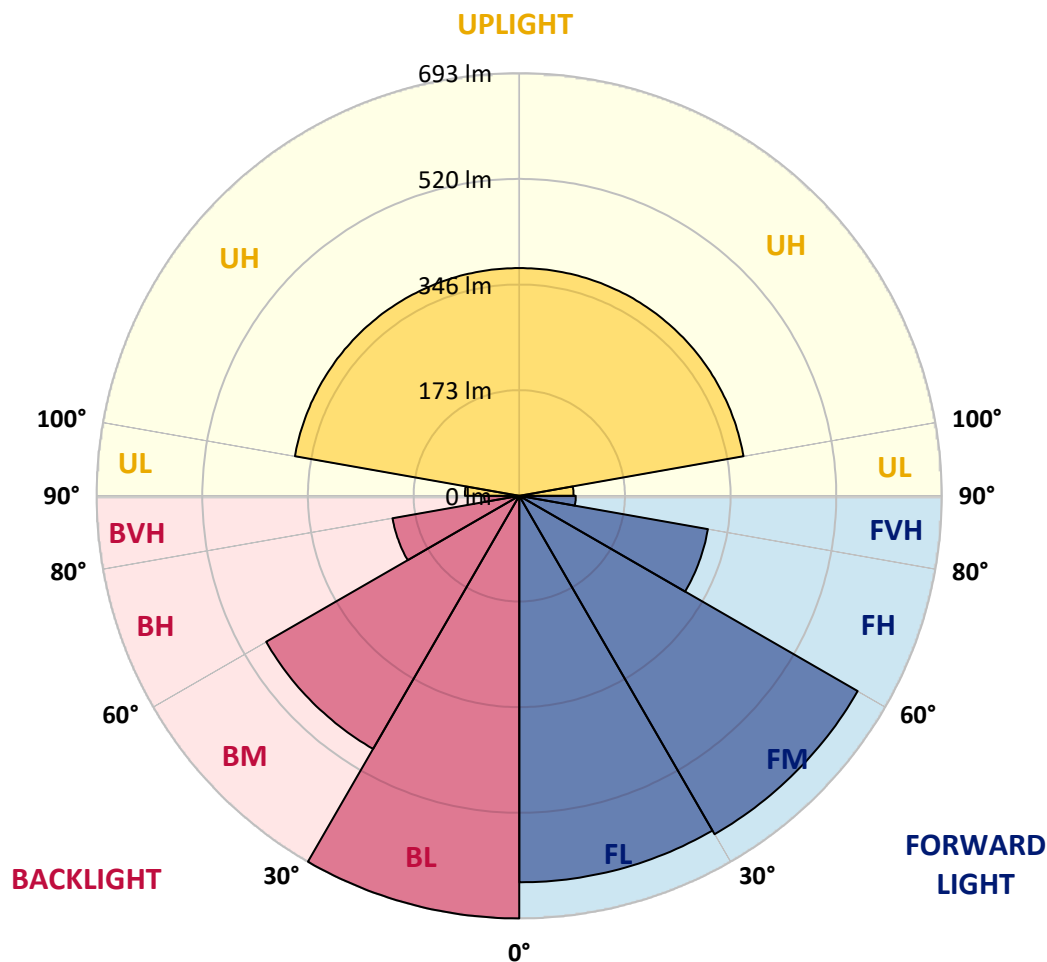
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	633.7	17.7			
FM	(30°-60°)	640.6	17.9			
FH	(60°-80°)	314.1	8.8			G0/660
FVH	(80°-90°)	92.6	2.6			G1/100
BL	(0°-30°)	692.8	19.3	B2/1000		
BM	(30°-60°)	479.1	13.4	B1/1000		
BH	(60°-80°)	211.1	5.9	B1/500		G1/500
BVH	(80°-90°)	57.4	1.6			G1/100
UL	(90°-100°)	89.1	2.5		U3/500	
UH	(100°-180°)	373.4	10.4		U3/500	

BUG Rating: B2-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2
2.5°	2311.3	2345.5	2362.5	2413.8	2430.9	2463.6	2513.4	2563.2	2647.2	2709.8	2758.2
5°	1894.3	1922.8	1954.1	2019.6	2058.0	2126.3	2206.0	2291.4	2399.6	2509.1	2566.1
7.5°	1650.9	1658.1	1703.6	1783.3	1853.0	1925.6	2012.4	2086.4	2160.5	2250.1	2307.0
10°	1517.2	1527.1	1557.0	1618.2	1678.0	1737.8	1806.1	1863.0	1938.4	2013.9	2048.0
12.5°	1477.3	1481.6	1507.2	1542.8	1581.2	1619.6	1672.3	1723.5	1790.4	1855.9	1878.7
15°	1512.9	1512.9	1517.2	1531.4	1551.3	1581.2	1621.0	1665.2	1726.4	1774.8	1799.0
17.5°	1530.0	1531.4	1542.8	1545.6	1564.1	1576.9	1612.5	1646.7	1705.0	1744.9	1757.7
20°	1575.5	1575.5	1576.9	1584.0	1586.9	1594.0	1609.7	1628.2	1676.6	1697.9	1695.1
22.5°	1589.7	1584.0	1606.8	1648.1	1646.7	1648.1	1633.9	1638.1	1665.2	1656.6	1636.7
25°	1305.1	1298.0	1323.6	1349.2	1386.2	1433.2	1549.9	1641.0	1675.1	1648.1	1604.0
27.5°	1214.0	1182.7	1175.6	1114.4	1058.9	967.8	959.3	902.3	896.6	932.2	964.9
30°	862.5	863.9	862.5	856.8	852.5	856.8	861.0	851.1	853.9	876.7	866.7
32.5°	841.1	841.1	835.4	832.6	819.8	815.5	808.4	789.9	792.7	809.8	805.5
35°	784.2	781.3	782.8	775.7	752.9	734.4	731.5	715.9	715.9	725.8	721.6
37.5°	698.8	694.5	711.6	710.2	691.7	684.6	677.5	667.5	667.5	676.0	667.5
40°	631.9	629.1	647.6	653.3	641.9	644.7	646.1	637.6	646.1	647.6	636.2
42.5°	560.7	559.3	575.0	573.6	563.6	562.2	560.7	555.1	569.3	580.7	572.1
45°	476.8	472.5	483.9	488.2	485.3	481.0	479.6	479.6	488.2	493.9	485.3
47.5°	421.3	422.7	431.2	441.2	444.0	446.9	445.5	442.6	448.3	449.7	442.6
50°	402.8	404.2	417.0	428.4	436.9	442.6	442.6	438.4	442.6	438.4	428.4
52.5°	411.3	411.3	428.4	445.5	459.7	469.7	471.1	465.4	465.4	454.0	438.4
55°	414.2	417.0	439.8	468.2	493.9	520.9	533.7	529.4	533.7	509.5	483.9
57.5°	387.1	394.2	417.0	451.2	485.3	528.0	555.1	557.9	556.5	535.1	503.8
60°	351.5	357.2	372.9	402.8	435.5	469.7	496.7	502.4	508.1	498.1	469.7
62.5°	327.3	330.2	343.0	364.3	387.1	405.6	415.6	414.2	419.9	417.0	395.7
65°	306.0	307.4	321.6	338.7	353.0	371.5	374.3	374.3	378.6	372.9	355.8
67.5°	283.2	283.2	294.6	310.3	327.3	343.0	347.3	348.7	354.4	348.7	335.9
70°	263.3	263.3	273.3	286.1	298.9	314.5	318.8	320.2	327.3	320.2	307.4
72.5°	244.8	244.8	253.3	264.7	276.1	288.9	293.2	294.6	300.3	293.2	283.2
75°	224.9	226.3	233.4	243.4	253.3	264.7	270.4	270.4	274.7	266.1	257.6
77.5°	204.9	206.4	213.5	222.0	230.6	241.9	244.8	246.2	250.5	241.9	233.4
80°	185.0	187.9	193.6	200.7	209.2	217.8	223.4	223.4	226.3	217.8	212.1
82.5°	166.5	169.4	173.6	179.3	187.9	196.4	202.1	202.1	203.5	196.4	189.3
85°	148.0	150.9	155.1	159.4	166.5	175.1	180.7	180.7	182.2	175.1	169.4
87.5°	130.9	133.8	136.6	140.9	146.6	155.1	160.8	160.8	160.8	155.1	149.4
90°	113.9	115.3	118.1	122.4	128.1	135.2	139.5	140.9	140.9	133.8	130.9
92.5°	101.0	101.0	103.9	106.7	112.4	118.1	122.4	123.8	123.8	119.6	115.3
95°	86.8	88.2	89.7	92.5	96.8	101.0	106.7	106.7	106.7	103.9	101.0
97.5°	76.9	75.4	76.9	78.3	82.5	85.4	89.7	91.1	91.1	88.2	86.8
100°	65.5	66.9	66.9	68.3	69.7	71.2	74.0	75.4	75.4	74.0	74.0
102.5°	61.2	59.8	59.8	59.8	59.8	59.8	61.2	61.2	62.6	61.2	59.8
105°	56.9	56.9	56.9	56.9	55.5	55.5	55.5	55.5	54.1	52.7	52.7
107.5°	55.5	55.5	55.5	55.5	54.1	54.1	52.7	52.7	51.2	49.8	48.4
110°	55.5	55.5	55.5	55.5	54.1	52.7	52.7	51.2	49.8	48.4	47.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	58.4	58.4	58.4	58.4	55.5	54.1	52.7	52.7	49.8	48.4	47.0
115°	64.0	64.0	62.6	62.6	61.2	58.4	56.9	55.5	54.1	51.2	49.8
117.5°	69.7	69.7	69.7	69.7	68.3	65.5	62.6	61.2	59.8	55.5	54.1
120°	79.7	79.7	79.7	81.1	78.3	75.4	72.6	69.7	68.3	64.0	61.2
122.5°	92.5	91.1	93.9	95.4	93.9	89.7	85.4	82.5	79.7	74.0	71.2
125°	105.3	105.3	108.2	112.4	112.4	108.2	102.5	98.2	95.4	86.8	82.5
127.5°	121.0	121.0	125.2	132.4	133.8	129.5	123.8	118.1	113.9	102.5	98.2
130°	135.2	135.2	143.7	152.3	156.6	152.3	146.6	139.5	133.8	121.0	113.9
132.5°	146.6	148.0	158.0	169.4	175.1	173.6	166.5	160.8	155.1	139.5	130.9
135°	158.0	159.4	170.8	185.0	192.1	192.1	186.4	179.3	172.2	155.1	145.2
137.5°	163.7	165.1	179.3	193.6	202.1	204.9	202.1	195.0	187.9	169.4	156.6
140°	163.7	166.5	180.7	195.0	203.5	207.8	207.8	200.7	193.6	176.5	163.7
142.5°	159.4	162.2	175.1	189.3	197.8	203.5	204.9	199.3	192.1	175.1	162.2
145°	150.9	152.3	165.1	177.9	186.4	193.6	196.4	192.1	183.6	169.4	156.6
147.5°	136.6	136.6	148.0	158.0	169.4	176.5	180.7	177.9	170.8	158.0	146.6
150°	116.7	116.7	125.2	135.2	145.2	153.7	158.0	158.0	150.9	140.9	129.5
152.5°	92.5	93.9	99.6	108.2	118.1	125.2	130.9	130.9	126.7	118.1	108.2
155°	71.2	71.2	75.4	81.1	89.7	96.8	101.0	101.0	98.2	91.1	85.4
157.5°	51.2	51.2	54.1	59.8	65.5	71.2	75.4	75.4	72.6	68.3	64.0
160°	34.2	34.2	35.6	39.9	44.1	48.4	51.2	52.7	51.2	48.4	44.1
162.5°	18.5	18.5	19.9	22.8	25.6	29.9	31.3	32.7	32.7	29.9	28.5
165°	5.7	5.7	5.7	8.5	10.0	12.8	14.2	15.7	15.7	15.7	14.2
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.3	4.3	4.3	4.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2	3000.2
2.5°	2803.7	2909.1	3025.8	3145.3	3267.7	3383.0	3479.8	3556.6	3597.9	3607.9	3602.2
5°	2617.3	2741.1	2877.8	3017.2	3176.6	3360.2	3528.2	3649.1	3711.8	3721.7	3724.6
7.5°	2351.2	2459.3	2593.1	2753.9	2954.6	3151.0	3410.0	3590.8	3691.8	3718.9	3718.9
10°	2070.8	2166.1	2250.1	2391.0	2566.1	2749.7	2970.3	3136.8	3239.3	3272.0	3243.5
12.5°	1912.8	1954.1	2011.0	2114.9	2224.5	2364.0	2554.7	2662.8	2729.7	2749.7	2732.6
15°	1811.8	1833.1	1857.3	1901.4	1978.3	2065.1	2177.5	2244.4	2285.7	2309.9	2301.3
17.5°	1763.4	1763.4	1759.1	1769.1	1789.0	1828.8	1905.7	1929.9	1948.4	1958.4	1952.7
20°	1689.4	1666.6	1648.1	1619.6	1608.2	1606.8	1625.3	1650.9	1649.5	1650.9	1639.6
22.5°	1615.4	1568.4	1522.8	1480.2	1431.8	1407.6	1390.5	1399.0	1391.9	1399.0	1391.9
25°	1579.8	1484.4	1393.3	1289.4	1202.6	1135.7	1091.6	1064.6	1019.0	1036.1	1020.5
27.5°	980.6	940.7	902.3	825.5	752.9	727.3	705.9	694.5	686.0	690.3	687.4
30°	849.7	816.9	787.0	747.2	691.7	657.5	631.9	609.1	602.0	603.4	602.0
32.5°	788.5	762.8	725.8	684.6	634.8	592.1	562.2	540.8	529.4	536.6	530.9
35°	705.9	680.3	649.0	610.6	567.9	529.4	501.0	481.0	468.2	471.1	469.7
37.5°	651.8	627.6	600.6	559.3	522.3	485.3	456.9	436.9	424.1	427.0	424.1
40°	620.5	593.5	565.0	528.0	491.0	452.6	425.5	402.8	390.0	390.0	390.0
42.5°	556.5	535.1	510.9	472.5	439.8	407.0	380.0	362.9	348.7	350.1	347.3
45°	475.4	459.7	441.2	415.6	388.5	362.9	340.2	327.3	316.0	317.4	316.0
47.5°	434.1	419.9	398.5	378.6	354.4	331.6	311.7	296.0	287.5	288.9	286.1
50°	418.4	401.3	377.2	350.1	327.3	304.6	284.6	273.3	264.7	266.1	264.7
52.5°	424.1	397.1	362.9	330.2	303.1	280.4	264.7	251.9	246.2	247.6	244.8
55°	461.1	414.2	362.9	321.6	287.5	261.9	246.2	232.0	226.3	226.3	226.3
57.5°	473.9	422.7	358.7	311.7	274.7	249.1	230.6	216.3	210.6	210.6	210.6
60°	444.0	399.9	341.6	297.5	263.3	239.1	223.4	213.5	209.2	209.2	209.2
62.5°	380.0	351.5	307.4	271.8	246.2	224.9	209.2	196.4	192.1	190.7	190.7
65°	344.4	317.4	280.4	250.5	227.7	210.6	196.4	186.4	180.7	180.7	180.7
67.5°	321.6	296.0	261.9	233.4	212.1	193.6	180.7	170.8	167.9	166.5	166.5
70°	296.0	271.8	237.7	212.1	192.1	176.5	163.7	155.1	152.3	152.3	150.9
72.5°	270.4	247.6	214.9	190.7	172.2	158.0	146.6	139.5	136.6	135.2	135.2
75°	246.2	223.4	193.6	170.8	153.7	140.9	130.9	123.8	121.0	121.0	121.0
77.5°	223.4	202.1	173.6	152.3	138.1	125.2	116.7	111.0	108.2	108.2	108.2
80°	202.1	180.7	155.1	135.2	121.0	111.0	103.9	98.2	95.4	96.8	95.4
82.5°	179.3	162.2	138.1	119.6	108.2	98.2	91.1	86.8	84.0	85.4	84.0
85°	160.8	143.7	121.0	105.3	93.9	85.4	79.7	75.4	72.6	74.0	72.6
87.5°	142.3	126.7	106.7	92.5	82.5	75.4	68.3	65.5	64.0	64.0	62.6
90°	122.4	108.2	91.1	79.7	69.7	64.0	58.4	55.5	54.1	52.7	52.7
92.5°	108.2	96.8	81.1	71.2	62.6	58.4	52.7	49.8	48.4	48.4	48.4
95°	95.4	85.4	72.6	64.0	58.4	52.7	48.4	47.0	45.5	45.5	44.1
97.5°	82.5	74.0	65.5	58.4	52.7	48.4	44.1	42.7	41.3	41.3	41.3
100°	69.7	64.0	56.9	51.2	47.0	44.1	39.9	38.4	37.0	37.0	37.0
102.5°	58.4	54.1	48.4	44.1	41.3	38.4	35.6	34.2	32.7	32.7	32.7
105°	51.2	47.0	44.1	39.9	37.0	34.2	32.7	29.9	28.5	28.5	28.5
107.5°	47.0	44.1	41.3	38.4	35.6	32.7	29.9	27.0	25.6	25.6	25.6
110°	45.5	42.7	39.9	37.0	34.2	31.3	29.9	25.6	24.2	24.2	24.2



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CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	45.5	44.1	41.3	38.4	35.6	32.7	29.9	24.2	22.8	22.8	22.8
115°	48.4	45.5	42.7	39.9	37.0	34.2	31.3	24.2	22.8	22.8	22.8
117.5°	52.7	49.8	45.5	42.7	39.9	35.6	31.3	25.6	22.8	22.8	22.8
120°	59.8	55.5	51.2	47.0	42.7	38.4	32.7	25.6	21.3	22.8	22.8
122.5°	68.3	64.0	56.9	51.2	47.0	41.3	34.2	27.0	21.3	22.8	22.8
125°	79.7	74.0	65.5	58.4	51.2	44.1	35.6	27.0	21.3	22.8	24.2
127.5°	92.5	84.0	74.0	64.0	55.5	47.0	38.4	28.5	21.3	24.2	24.2
130°	106.7	96.8	84.0	71.2	61.2	49.8	39.9	28.5	22.8	22.8	22.8
132.5°	122.4	108.2	91.1	76.9	64.0	51.2	39.9	28.5	22.8	22.8	22.8
135°	133.8	116.7	98.2	81.1	66.9	52.7	41.3	28.5	21.3	21.3	21.3
137.5°	143.7	123.8	103.9	84.0	68.3	52.7	39.9	27.0	21.3	19.9	19.9
140°	149.4	126.7	103.9	84.0	66.9	51.2	37.0	25.6	18.5	18.5	18.5
142.5°	149.4	125.2	102.5	81.1	62.6	48.4	35.6	22.8	17.1	17.1	17.1
145°	143.7	119.6	96.8	76.9	58.4	44.1	31.3	21.3	15.7	15.7	15.7
147.5°	133.8	109.6	88.2	69.7	51.2	38.4	27.0	17.1	12.8	12.8	12.8
150°	119.6	96.8	76.9	59.8	44.1	31.3	22.8	14.2	10.0	10.0	10.0
152.5°	99.6	81.1	62.6	49.8	35.6	25.6	17.1	11.4	8.5	8.5	8.5
155°	78.3	64.0	49.8	38.4	27.0	18.5	12.8	8.5	5.7	5.7	5.7
157.5°	59.8	48.4	37.0	28.5	19.9	14.2	10.0	5.7	4.3	4.3	4.3
160°	41.3	32.7	25.6	19.9	12.8	10.0	7.1	4.3	2.8	2.8	2.8
162.5°	27.0	21.3	15.7	11.4	8.5	5.7	4.3	2.8	1.4	1.4	1.4
165°	12.8	10.0	8.5	5.7	4.3	2.8	1.4	1.4	0.0	0.0	0.0
167.5°	4.3	2.8	2.8	1.4	1.4	1.4	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	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)