

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: P691346

Luminaire Tested: **CRTK2-C015-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691346
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-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3241 lumens
Efficiency: N/A
Efficacy: 108.4 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



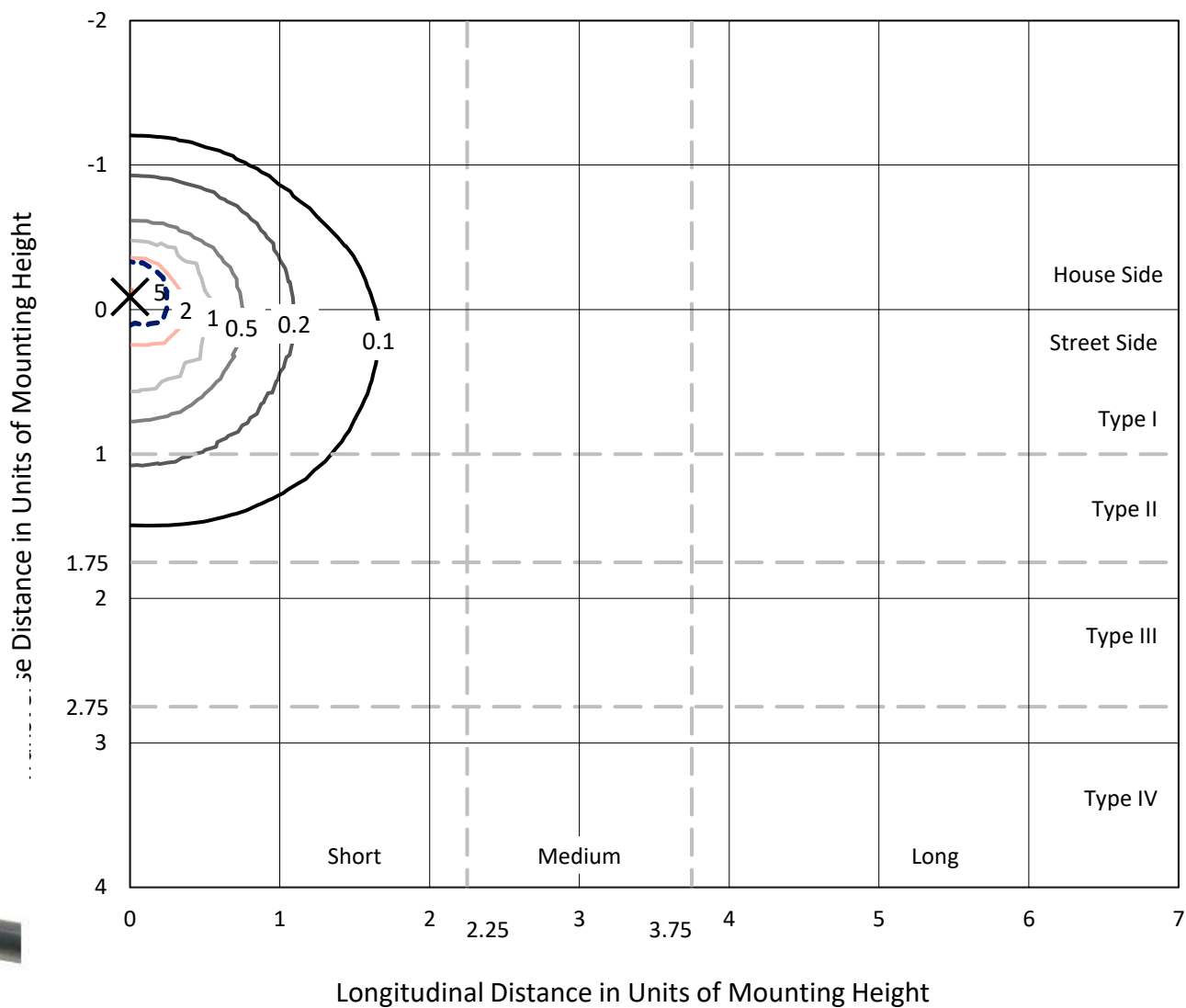
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

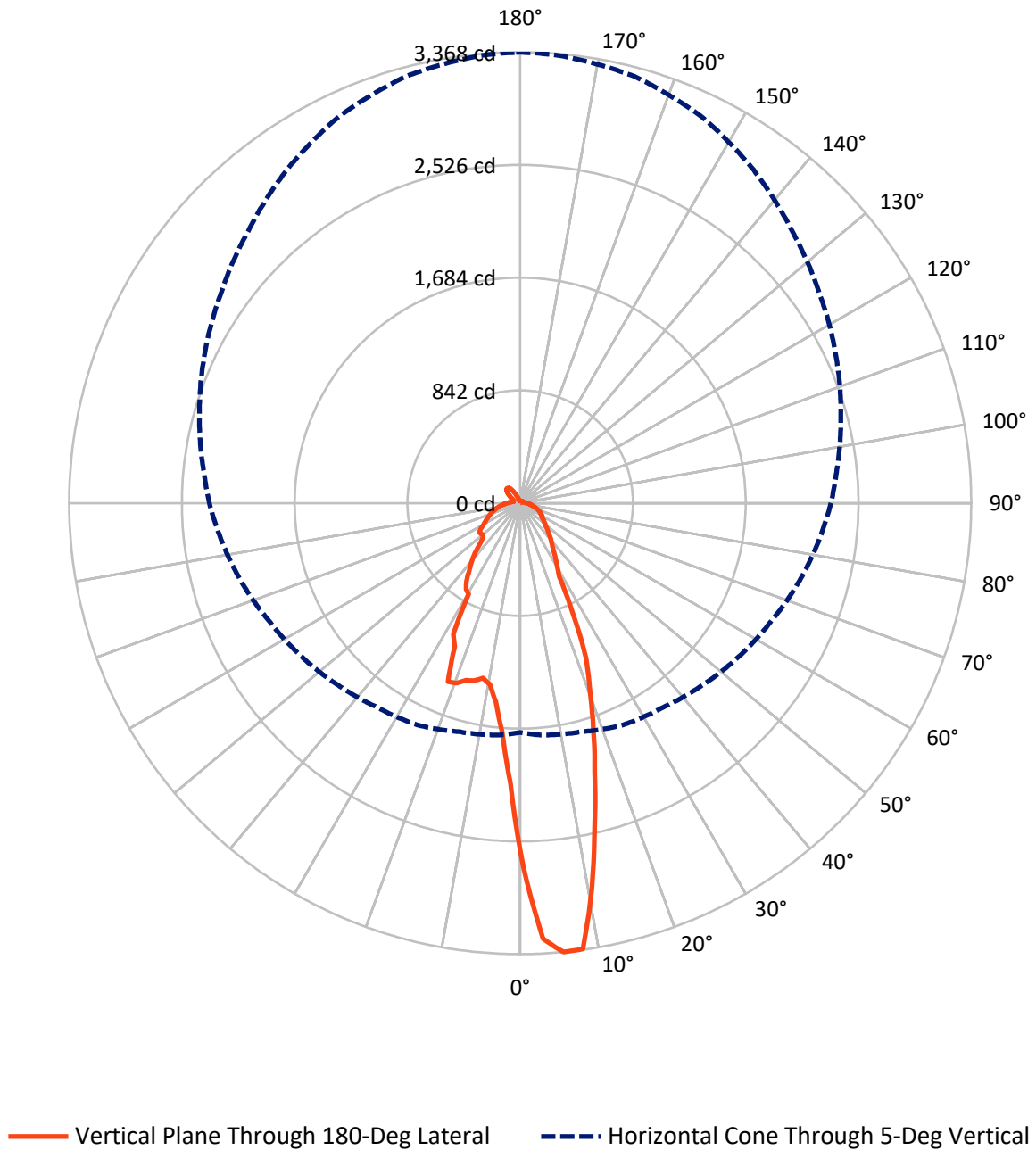
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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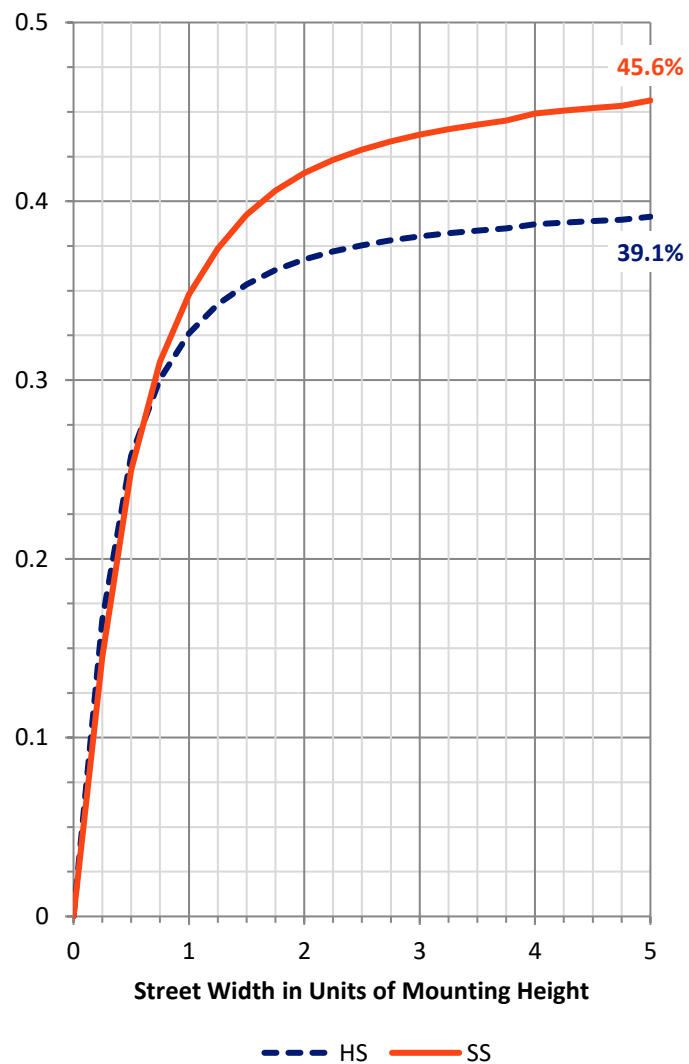
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1302.6	139.7	1442.3
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1520.1	278.6	1798.7
	% Fixture	46.9	8.6	55.5
Total	Lumens	2822.8	418.3	3241.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	6.7
10°-20°	467.2	14.4
20°-30°	514.5	15.9
30°-40°	378.0	11.7
40°-50°	316.7	9.8
50°-60°	317.8	9.8
60°-70°	272.2	8.4
70°-80°	202.8	6.3
80°-90°	135.7	4.2
90°-100°	80.6	2.5
100°-110°	46.8	1.4
110°-120°	43.5	1.3
120°-130°	63.1	1.9
130°-140°	84.9	2.6
140°-150°	68.8	2.1
150°-160°	27.2	0.8
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-90°	2822.8	87.1
0°-180°	3241.0	100.0

Coefficient of Utilization



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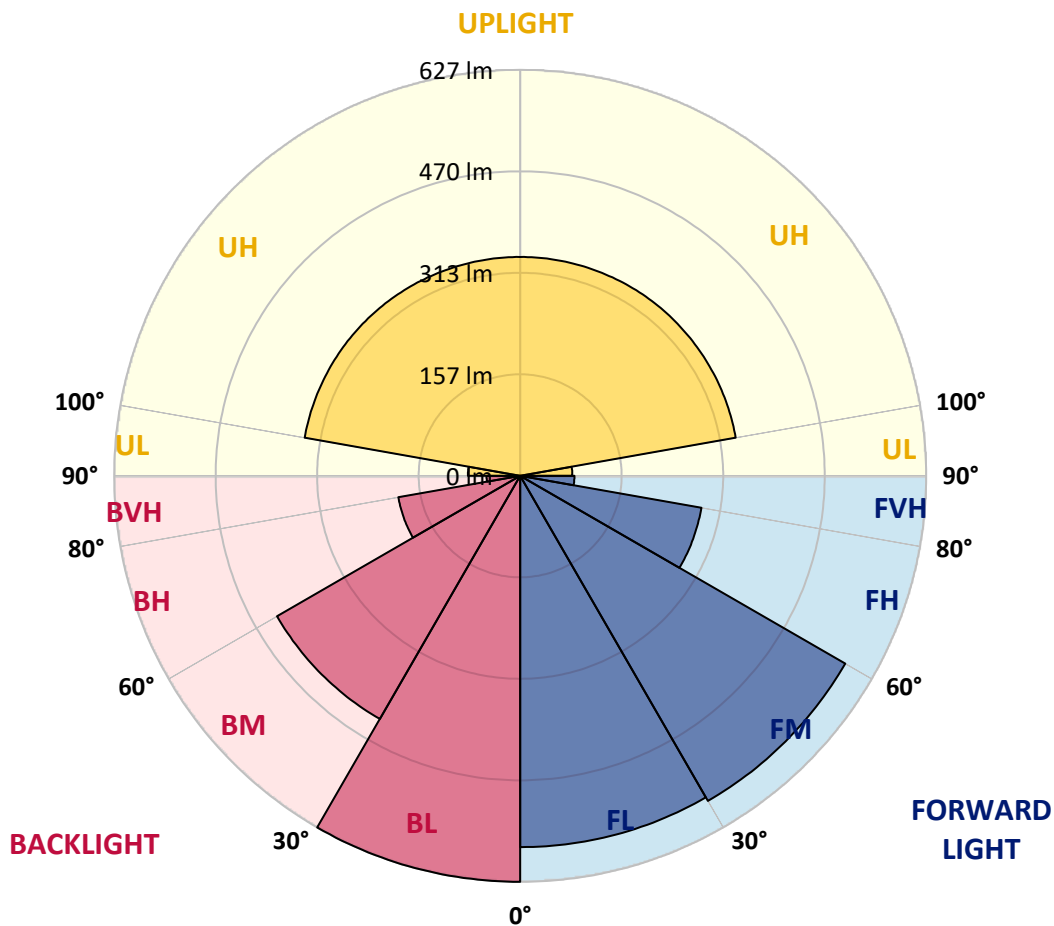
CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.0	17.7			
FM	(30°-60°)	579.3	17.9			
FH	(60°-80°)	284.0	8.8			G0/660
FVH	(80°-90°)	83.8	2.6			G1/100
BL	(0°-30°)	626.5	19.3	B2/1000		
BM	(30°-60°)	433.3	13.4	B1/1000		
BH	(60°-80°)	190.9	5.9	B1/500		G1/500
BVH	(80°-90°)	51.9	1.6			G1/100
UL	(90°-100°)	80.6	2.5		U3/500	
UH	(100°-180°)	337.7	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°	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0
2.5°	2090.1	2121.0	2136.4	2182.8	2198.2	2227.8	2272.9	2317.9	2393.8	2450.5	2494.2
5°	1713.0	1738.8	1767.1	1826.3	1861.0	1922.8	1994.9	2072.1	2169.9	2269.0	2320.5
7.5°	1492.9	1499.4	1540.6	1612.6	1675.7	1741.3	1819.8	1886.8	1953.7	2034.8	2086.3
10°	1372.0	1381.0	1408.0	1463.3	1517.4	1571.4	1633.2	1684.7	1752.9	1821.1	1852.0
12.5°	1335.9	1339.8	1362.9	1395.1	1429.9	1464.6	1512.2	1558.6	1619.1	1678.3	1698.9
15°	1368.1	1368.1	1372.0	1384.8	1402.8	1429.9	1465.9	1505.8	1561.1	1604.9	1626.8
17.5°	1383.5	1384.8	1395.1	1397.7	1414.4	1426.0	1458.2	1489.1	1541.8	1577.9	1589.5
20°	1424.7	1424.7	1426.0	1432.4	1435.0	1441.5	1455.6	1472.3	1516.1	1535.4	1532.8
22.5°	1437.6	1432.4	1453.0	1490.4	1489.1	1490.4	1477.5	1481.4	1505.8	1498.1	1480.1
25°	1180.2	1173.8	1196.9	1220.1	1253.6	1296.0	1401.6	1483.9	1514.8	1490.4	1450.5
27.5°	1097.8	1069.5	1063.1	1007.7	957.5	875.2	867.4	816.0	810.8	843.0	872.6
30°	779.9	781.2	779.9	774.8	770.9	774.8	778.6	769.6	772.2	792.8	783.8
32.5°	760.6	760.6	755.5	752.9	741.3	737.5	731.0	714.3	716.9	732.3	728.5
35°	709.1	706.6	707.9	701.4	680.8	664.1	661.5	647.4	647.4	656.4	652.5
37.5°	631.9	628.1	643.5	642.2	625.5	619.1	612.6	603.6	603.6	611.3	603.6
40°	571.4	568.9	585.6	590.7	580.4	583.0	584.3	576.6	584.3	585.6	575.3
42.5°	507.1	505.8	520.0	518.7	509.7	508.4	507.1	501.9	514.8	525.1	517.4
45°	431.2	427.3	437.6	441.4	438.9	435.0	433.7	433.7	441.4	446.6	438.9
47.5°	381.0	382.2	390.0	399.0	401.5	404.1	402.8	400.3	405.4	406.7	400.3
50°	364.2	365.5	377.1	387.4	395.1	400.3	400.3	396.4	400.3	396.4	387.4
52.5°	371.9	371.9	387.4	402.8	415.7	424.7	426.0	420.9	420.9	410.6	396.4
55°	374.5	377.1	397.7	423.4	446.6	471.0	482.6	478.8	482.6	460.8	437.6
57.5°	350.1	356.5	377.1	408.0	438.9	477.5	501.9	504.5	503.2	483.9	455.6
60°	317.9	323.0	337.2	364.2	393.8	424.7	449.2	454.3	459.5	450.5	424.7
62.5°	296.0	298.6	310.2	329.5	350.1	366.8	375.8	374.5	379.7	377.1	357.8
65°	276.7	278.0	290.9	306.3	319.2	335.9	338.5	338.5	342.3	337.2	321.8
67.5°	256.1	256.1	266.4	280.6	296.0	310.2	314.0	315.3	320.5	315.3	303.7
70°	238.1	238.1	247.1	258.7	270.3	284.4	288.3	289.6	296.0	289.6	278.0
72.5°	221.4	221.4	229.1	239.4	249.7	261.3	265.1	266.4	271.6	265.1	256.1
75°	203.3	204.6	211.1	220.1	229.1	239.4	244.5	244.5	248.4	240.7	232.9
77.5°	185.3	186.6	193.1	200.8	208.5	218.8	221.4	222.7	226.5	218.8	211.1
80°	167.3	169.9	175.0	181.5	189.2	196.9	202.1	202.1	204.6	196.9	191.8
82.5°	150.6	153.2	157.0	162.2	169.9	177.6	182.8	182.8	184.0	177.6	171.2
85°	133.8	136.4	140.3	144.1	150.6	158.3	163.5	163.5	164.7	158.3	153.2
87.5°	118.4	121.0	123.6	127.4	132.6	140.3	145.4	145.4	145.4	140.3	135.1
90°	103.0	104.2	106.8	110.7	115.8	122.3	126.1	127.4	127.4	121.0	118.4
92.5°	91.4	91.4	94.0	96.5	101.7	106.8	110.7	112.0	112.0	108.1	104.2
95°	78.5	79.8	81.1	83.7	87.5	91.4	96.5	96.5	96.5	94.0	91.4
97.5°	69.5	68.2	69.5	70.8	74.6	77.2	81.1	82.4	82.4	79.8	78.5
100°	59.2	60.5	60.5	61.8	63.1	64.4	66.9	68.2	68.2	66.9	66.9
102.5°	55.3	54.1	54.1	54.1	54.1	54.1	55.3	55.3	56.6	55.3	54.1
105°	51.5	51.5	51.5	51.5	50.2	50.2	50.2	50.2	48.9	47.6	47.6
107.5°	50.2	50.2	50.2	50.2	48.9	48.9	47.6	47.6	46.3	45.0	43.8
110°	50.2	50.2	50.2	50.2	48.9	47.6	47.6	46.3	45.0	43.8	42.5

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CATALOG NUMBER: CRTK2-C015-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	52.8	52.8	52.8	52.8	50.2	48.9	47.6	47.6	45.0	43.8	42.5
115°	57.9	57.9	56.6	56.6	55.3	52.8	51.5	50.2	48.9	46.3	45.0
117.5°	63.1	63.1	63.1	63.1	61.8	59.2	56.6	55.3	54.1	50.2	48.9
120°	72.1	72.1	72.1	73.4	70.8	68.2	65.6	63.1	61.8	57.9	55.3
122.5°	83.7	82.4	84.9	86.2	84.9	81.1	77.2	74.6	72.1	66.9	64.4
125°	95.2	95.2	97.8	101.7	101.7	97.8	92.7	88.8	86.2	78.5	74.6
127.5°	109.4	109.4	113.3	119.7	121.0	117.1	112.0	106.8	103.0	92.7	88.8
130°	122.3	122.3	130.0	137.7	141.6	137.7	132.6	126.1	121.0	109.4	103.0
132.5°	132.6	133.8	142.9	153.2	158.3	157.0	150.6	145.4	140.3	126.1	118.4
135°	142.9	144.1	154.4	167.3	173.7	173.7	168.6	162.2	155.7	140.3	131.3
137.5°	148.0	149.3	162.2	175.0	182.8	185.3	182.8	176.3	169.9	153.2	141.6
140°	148.0	150.6	163.5	176.3	184.0	187.9	187.9	181.5	175.0	159.6	148.0
142.5°	144.1	146.7	158.3	171.2	178.9	184.0	185.3	180.2	173.7	158.3	146.7
145°	136.4	137.7	149.3	160.9	168.6	175.0	177.6	173.7	166.0	153.2	141.6
147.5°	123.6	123.6	133.8	142.9	153.2	159.6	163.5	160.9	154.4	142.9	132.6
150°	105.5	105.5	113.3	122.3	131.3	139.0	142.9	142.9	136.4	127.4	117.1
152.5°	83.7	84.9	90.1	97.8	106.8	113.3	118.4	118.4	114.5	106.8	97.8
155°	64.4	64.4	68.2	73.4	81.1	87.5	91.4	91.4	88.8	82.4	77.2
157.5°	46.3	46.3	48.9	54.1	59.2	64.4	68.2	68.2	65.6	61.8	57.9
160°	30.9	30.9	32.2	36.0	39.9	43.8	46.3	47.6	46.3	43.8	39.9
162.5°	16.7	16.7	18.0	20.6	23.2	27.0	28.3	29.6	29.6	27.0	25.7
165°	5.1	5.1	5.1	7.7	9.0	11.6	12.9	14.2	14.2	14.2	12.9
167.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	3.9	3.9	3.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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°	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0	2713.0
2.5°	2535.4	2630.7	2736.2	2844.3	2955.0	3059.2	3146.8	3216.3	3253.6	3262.6	3257.4
5°	2366.8	2478.8	2602.3	2728.5	2872.6	3038.6	3190.5	3299.9	3356.5	3365.5	3368.1
7.5°	2126.1	2224.0	2344.9	2490.4	2671.8	2849.5	3083.7	3247.1	3338.5	3363.0	3363.0
10°	1872.6	1958.8	2034.8	2162.2	2320.5	2486.5	2686.0	2836.6	2929.2	2958.8	2933.1
12.5°	1729.7	1767.1	1818.6	1912.5	2011.6	2137.7	2310.2	2408.0	2468.5	2486.5	2471.1
15°	1638.4	1657.7	1679.6	1719.5	1789.0	1867.5	1969.1	2029.6	2066.9	2088.8	2081.1
17.5°	1594.6	1594.6	1590.8	1599.8	1617.8	1653.8	1723.3	1745.2	1761.9	1770.9	1765.8
20°	1527.7	1507.1	1490.4	1464.6	1454.3	1453.0	1469.8	1492.9	1491.7	1492.9	1482.6
22.5°	1460.8	1418.3	1377.1	1338.5	1294.7	1272.9	1257.4	1265.1	1258.7	1265.1	1258.7
25°	1428.6	1342.4	1260.0	1166.0	1087.5	1027.0	987.1	962.7	921.5	936.9	922.8
27.5°	886.8	850.7	816.0	746.5	680.8	657.7	638.4	628.1	620.3	624.2	621.6
30°	768.3	738.7	711.7	675.7	625.5	594.6	571.4	550.8	544.4	545.7	544.4
32.5°	713.0	689.8	656.4	619.1	574.0	535.4	508.4	489.1	478.8	485.2	480.1
35°	638.4	615.2	586.9	552.1	513.5	478.8	453.0	435.0	423.4	426.0	424.7
37.5°	589.5	567.6	543.1	505.8	472.3	438.9	413.1	395.1	383.5	386.1	383.5
40°	561.1	536.7	510.9	477.5	444.0	409.3	384.8	364.2	352.6	352.6	352.6
42.5°	503.2	483.9	462.0	427.3	397.7	368.1	343.6	328.2	315.3	316.6	314.0
45°	429.9	415.7	399.0	375.8	351.4	328.2	307.6	296.0	285.7	287.0	285.7
47.5°	392.5	379.7	360.4	342.3	320.5	299.9	281.9	267.7	260.0	261.3	258.7
50°	378.4	362.9	341.1	316.6	296.0	275.4	257.4	247.1	239.4	240.7	239.4
52.5°	383.5	359.1	328.2	298.6	274.1	253.5	239.4	227.8	222.7	223.9	221.4
55°	417.0	374.5	328.2	290.9	260.0	236.8	222.7	209.8	204.6	204.6	204.6
57.5°	428.6	382.2	324.3	281.9	248.4	225.2	208.5	195.6	190.5	190.5	190.5
60°	401.5	361.7	308.9	269.0	238.1	216.2	202.1	193.1	189.2	189.2	189.2
62.5°	343.6	317.9	278.0	245.8	222.7	203.3	189.2	177.6	173.7	172.5	172.5
65°	311.5	287.0	253.5	226.5	205.9	190.5	177.6	168.6	163.5	163.5	163.5
67.5°	290.9	267.7	236.8	211.1	191.8	175.0	163.5	154.4	151.9	150.6	150.6
70°	267.7	245.8	214.9	191.8	173.7	159.6	148.0	140.3	137.7	137.7	136.4
72.5°	244.5	223.9	194.3	172.5	155.7	142.9	132.6	126.1	123.6	122.3	122.3
75°	222.7	202.1	175.0	154.4	139.0	127.4	118.4	112.0	109.4	109.4	109.4
77.5°	202.1	182.8	157.0	137.7	124.8	113.3	105.5	100.4	97.8	97.8	97.8
80°	182.8	163.5	140.3	122.3	109.4	100.4	94.0	88.8	86.2	87.5	86.2
82.5°	162.2	146.7	124.8	108.1	97.8	88.8	82.4	78.5	75.9	77.2	75.9
85°	145.4	130.0	109.4	95.2	84.9	77.2	72.1	68.2	65.6	66.9	65.6
87.5°	128.7	114.5	96.5	83.7	74.6	68.2	61.8	59.2	57.9	57.9	56.6
90°	110.7	97.8	82.4	72.1	63.1	57.9	52.8	50.2	48.9	47.6	47.6
92.5°	97.8	87.5	73.4	64.4	56.6	52.8	47.6	45.0	43.8	43.8	43.8
95°	86.2	77.2	65.6	57.9	52.8	47.6	43.8	42.5	41.2	41.2	39.9
97.5°	74.6	66.9	59.2	52.8	47.6	43.8	39.9	38.6	37.3	37.3	37.3
100°	63.1	57.9	51.5	46.3	42.5	39.9	36.0	34.7	33.5	33.5	33.5
102.5°	52.8	48.9	43.8	39.9	37.3	34.7	32.2	30.9	29.6	29.6	29.6
105°	46.3	42.5	39.9	36.0	33.5	30.9	29.6	27.0	25.7	25.7	25.7
107.5°	42.5	39.9	37.3	34.7	32.2	29.6	27.0	24.5	23.2	23.2	23.2
110°	41.2	38.6	36.0	33.5	30.9	28.3	27.0	23.2	21.9	21.9	21.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	41.2	39.9	37.3	34.7	32.2	29.6	27.0	21.9	20.6	20.6	20.6
115°	43.8	41.2	38.6	36.0	33.5	30.9	28.3	21.9	20.6	20.6	20.6
117.5°	47.6	45.0	41.2	38.6	36.0	32.2	28.3	23.2	20.6	20.6	20.6
120°	54.1	50.2	46.3	42.5	38.6	34.7	29.6	23.2	19.3	20.6	20.6
122.5°	61.8	57.9	51.5	46.3	42.5	37.3	30.9	24.5	19.3	20.6	20.6
125°	72.1	66.9	59.2	52.8	46.3	39.9	32.2	24.5	19.3	20.6	21.9
127.5°	83.7	75.9	66.9	57.9	50.2	42.5	34.7	25.7	19.3	21.9	21.9
130°	96.5	87.5	75.9	64.4	55.3	45.0	36.0	25.7	20.6	20.6	20.6
132.5°	110.7	97.8	82.4	69.5	57.9	46.3	36.0	25.7	20.6	20.6	20.6
135°	121.0	105.5	88.8	73.4	60.5	47.6	37.3	25.7	19.3	19.3	19.3
137.5°	130.0	112.0	94.0	75.9	61.8	47.6	36.0	24.5	19.3	18.0	18.0
140°	135.1	114.5	94.0	75.9	60.5	46.3	33.5	23.2	16.7	16.7	16.7
142.5°	135.1	113.3	92.7	73.4	56.6	43.8	32.2	20.6	15.4	15.4	15.4
145°	130.0	108.1	87.5	69.5	52.8	39.9	28.3	19.3	14.2	14.2	14.2
147.5°	121.0	99.1	79.8	63.1	46.3	34.7	24.5	15.4	11.6	11.6	11.6
150°	108.1	87.5	69.5	54.1	39.9	28.3	20.6	12.9	9.0	9.0	9.0
152.5°	90.1	73.4	56.6	45.0	32.2	23.2	15.4	10.3	7.7	7.7	7.7
155°	70.8	57.9	45.0	34.7	24.5	16.7	11.6	7.7	5.1	5.1	5.1
157.5°	54.1	43.8	33.5	25.7	18.0	12.9	9.0	5.1	3.9	3.9	3.9
160°	37.3	29.6	23.2	18.0	11.6	9.0	6.4	3.9	2.6	2.6	2.6
162.5°	24.5	19.3	14.2	10.3	7.7	5.1	3.9	2.6	1.3	1.3	1.3
165°	11.6	9.0	7.7	5.1	3.9	2.6	1.3	1.3	0.0	0.0	0.0
167.5°	3.9	2.6	2.6	1.3	1.3	1.3	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)