

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: P691313

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2891 lumens
Efficiency: N/A
Efficacy: 96.7 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



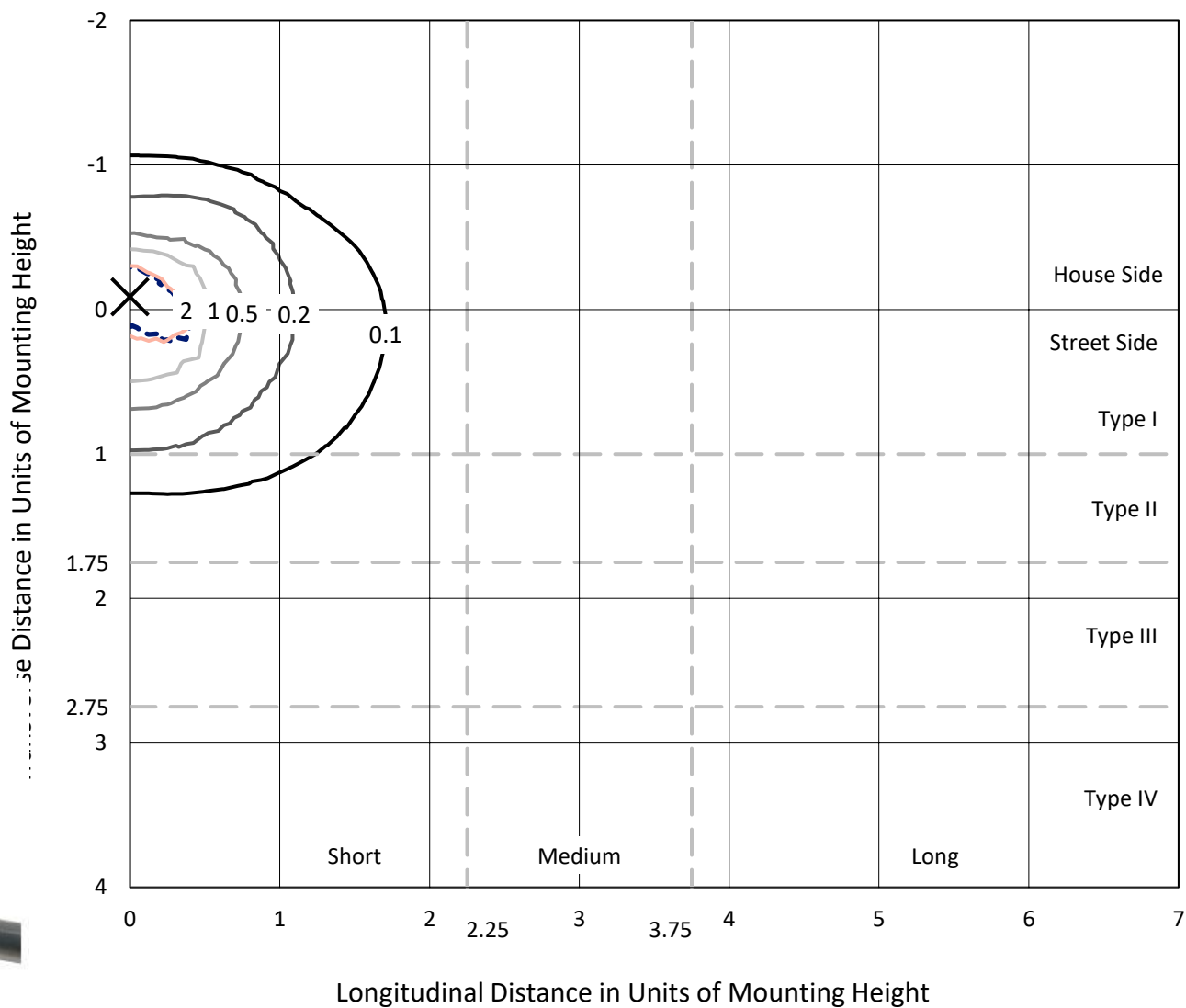
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

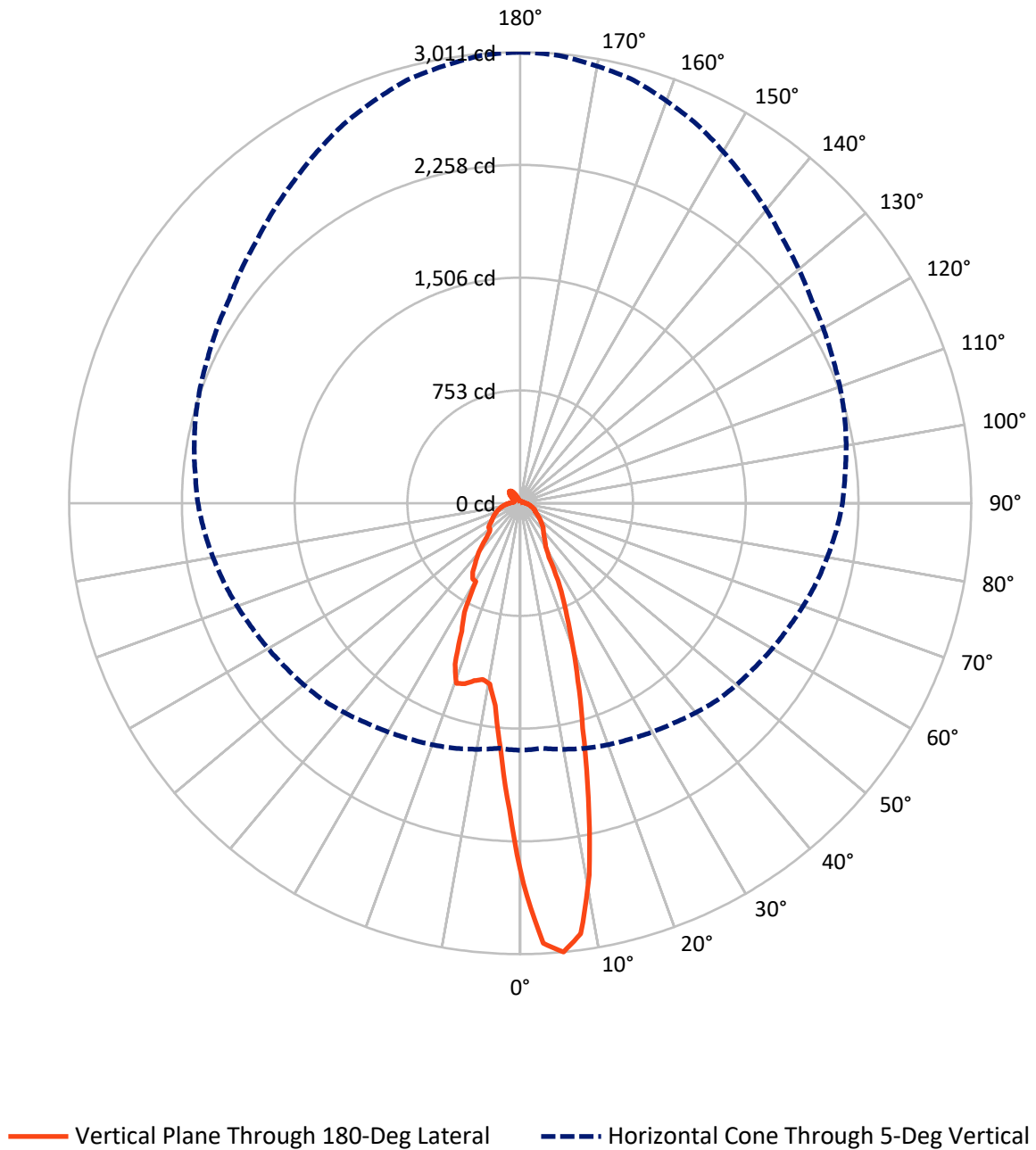


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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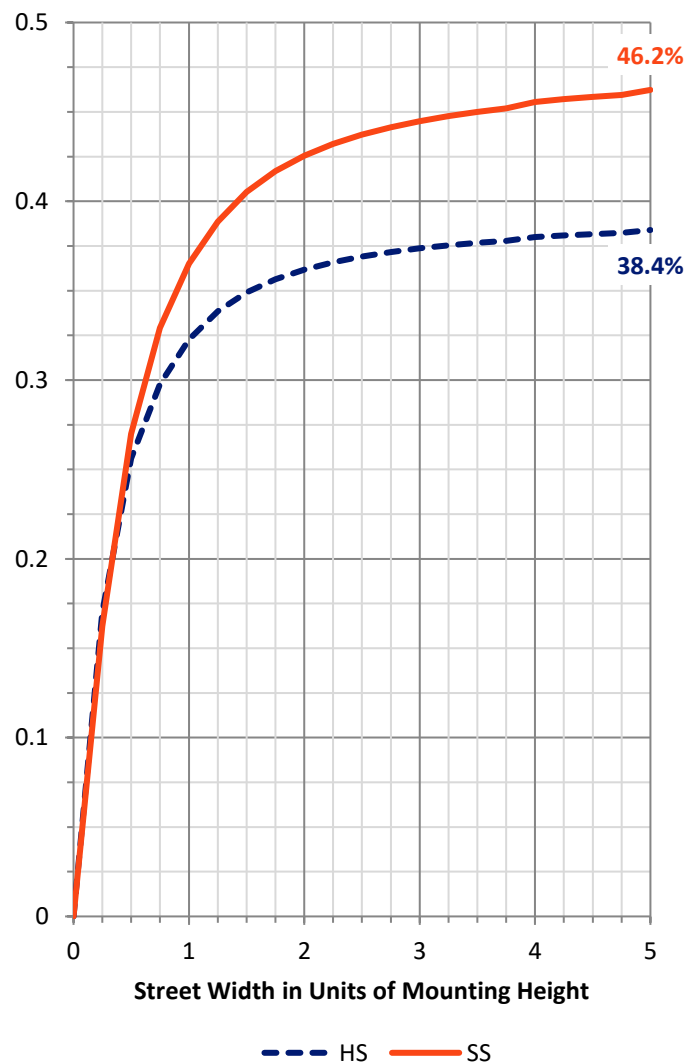
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1139.3	133.7	1273.0
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1369.3	248.7	1617.9
	% Fixture	47.4	8.6	56.0
Total	Lumens	2508.6	382.4	2891.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.7	6.8
10°-20°	417.4	14.4
20°-30°	454.3	15.7
30°-40°	332.5	11.5
40°-50°	279.6	9.7
50°-60°	283.9	9.8
60°-70°	241.3	8.3
70°-80°	180.1	6.2
80°-90°	122.6	4.2
90°-100°	73.6	2.5
100°-110°	42.2	1.5
110°-120°	38.8	1.3
120°-130°	56.4	2.0
130°-140°	77.6	2.7
140°-150°	64.3	2.2
150°-160°	26.1	0.9
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-90°	2508.6	86.8
0°-180°	2891.0	100.0

Coefficient of Utilization



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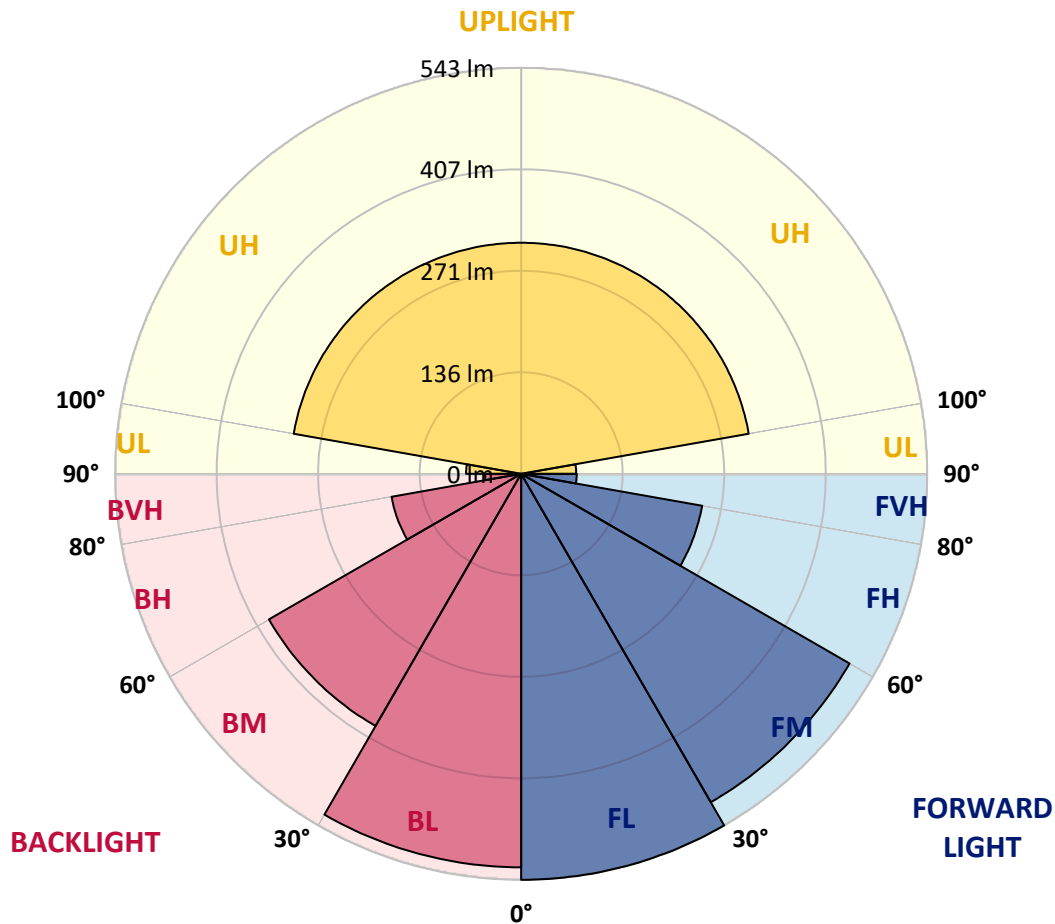
CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	542.6	18.8			
FM	(30°-60°)	506.8	17.5			
FH	(60°-80°)	245.6	8.5			G0/660
FVH	(80°-90°)	74.2	2.6			G1/100
BL	(0°-30°)	525.9	18.2	B2/1000		
BM	(30°-60°)	389.2	13.5	B1/1000		
BH	(60°-80°)	175.9	6.1	B1/500		G1/500
BVH	(80°-90°)	48.3	1.7			G1/100
UL	(90°-100°)	73.6	2.5		U3/500	
UH	(100°-180°)	308.8	10.7		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°	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4
2.5°	2049.6	2045.7	2074.1	2080.5	2083.1	2112.7	2152.6	2179.6	2228.6	2276.2	2295.5
5°	1650.5	1642.8	1694.3	1738.0	1790.8	1860.3	1911.8	1973.6	2047.0	2117.8	2151.3
7.5°	1360.8	1371.1	1444.5	1534.6	1619.6	1702.0	1765.1	1817.9	1860.3	1905.4	1914.4
10°	1224.4	1233.4	1305.5	1391.7	1470.3	1553.9	1608.0	1653.1	1680.1	1713.6	1725.2
12.5°	1202.5	1208.9	1257.8	1318.3	1377.6	1453.5	1521.7	1572.0	1602.9	1629.9	1632.5
15°	1224.4	1226.9	1256.5	1296.4	1347.9	1411.0	1489.6	1546.2	1581.0	1592.6	1590.0
17.5°	1260.4	1260.4	1274.6	1308.0	1357.0	1417.5	1492.1	1550.1	1586.1	1591.3	1581.0
20°	1275.8	1278.4	1287.4	1324.8	1368.5	1423.9	1498.6	1547.5	1575.8	1561.7	1543.6
22.5°	1160.0	1154.8	1179.3	1257.8	1355.7	1454.8	1525.6	1581.0	1596.4	1548.8	1510.2
25°	938.5	941.1	956.6	995.2	1071.1	1162.6	1319.6	1488.3	1605.4	1587.4	1529.5
27.5°	818.8	811.1	814.9	821.4	811.1	791.8	809.8	805.9	803.4	849.7	854.9
30°	601.2	602.5	609.0	620.5	645.0	681.1	719.7	741.6	760.9	796.9	791.8
32.5°	597.4	598.7	602.5	612.8	625.7	650.2	674.6	683.6	704.2	733.8	724.8
35°	558.7	554.9	565.2	574.2	578.1	588.4	607.7	620.5	633.4	654.0	648.9
37.5°	495.7	497.0	517.5	531.7	535.6	549.7	567.8	578.1	592.2	610.2	601.2
40°	441.6	442.9	467.3	482.8	491.8	511.1	538.1	551.0	574.2	588.4	578.1
42.5°	379.8	384.9	401.7	419.7	424.9	436.4	454.5	471.2	500.8	520.1	513.7
45°	316.7	319.3	330.9	348.9	356.6	369.5	386.2	401.7	424.9	440.3	439.0
47.5°	279.4	281.9	292.2	307.7	323.1	339.9	357.9	373.4	395.2	408.1	403.0
50°	263.9	266.5	279.4	297.4	316.7	338.6	360.5	377.2	397.8	405.5	399.1
52.5°	266.5	266.5	284.5	307.7	334.7	364.3	391.4	412.0	428.7	433.9	419.7
55°	252.3	256.2	275.5	307.7	348.9	395.2	441.6	485.4	509.8	504.7	477.6
57.5°	230.5	234.3	248.5	283.2	327.0	382.4	448.0	502.1	531.7	535.6	508.5
60°	217.6	220.2	233.0	260.1	298.7	343.7	403.0	446.7	480.2	490.5	471.2
62.5°	206.0	208.6	218.9	239.5	267.8	302.5	336.0	364.3	391.4	401.7	394.0
65°	193.1	194.4	204.7	222.7	245.9	275.5	303.8	324.4	346.3	352.8	343.7
67.5°	180.2	181.5	190.5	207.3	229.2	256.2	278.1	301.3	323.1	328.3	321.9
70°	168.7	169.9	177.7	193.1	212.4	238.2	258.8	274.2	296.1	301.3	293.5
72.5°	157.1	158.4	166.1	180.2	198.3	221.4	239.5	254.9	272.9	274.2	267.8
75°	145.5	146.8	153.2	166.1	181.5	204.7	221.4	234.3	249.8	249.8	242.0
77.5°	132.6	135.2	140.3	151.9	166.1	188.0	203.4	216.3	229.2	227.9	220.2
80°	121.0	122.3	127.5	137.8	150.6	171.2	186.7	197.0	208.6	207.3	200.8
82.5°	108.1	109.4	113.3	123.6	135.2	154.5	169.9	180.2	190.5	188.0	181.5
85°	95.3	96.6	101.7	109.4	121.0	139.0	153.2	163.5	171.2	168.7	163.5
87.5°	85.0	85.0	88.8	96.6	106.9	123.6	136.5	146.8	153.2	151.9	146.8
90°	73.4	74.7	77.2	83.7	92.7	106.9	119.7	128.7	135.2	132.6	127.5
92.5°	64.4	64.4	66.9	73.4	81.1	94.0	105.6	113.3	118.4	117.2	113.3
95°	55.4	56.6	57.9	63.1	69.5	79.8	90.1	97.8	103.0	101.7	99.1
97.5°	48.9	50.2	51.5	54.1	60.5	66.9	76.0	82.4	87.5	86.3	83.7
100°	45.1	45.1	45.1	47.6	51.5	56.6	63.1	68.2	70.8	72.1	69.5
102.5°	41.2	41.2	42.5	42.5	45.1	47.6	51.5	55.4	56.6	56.6	56.6
105°	39.9	39.9	41.2	41.2	42.5	43.8	46.3	47.6	48.9	48.9	47.6
107.5°	39.9	39.9	39.9	39.9	41.2	42.5	43.8	45.1	45.1	45.1	43.8
110°	41.2	41.2	41.2	41.2	41.2	42.5	42.5	43.8	43.8	42.5	42.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	42.5	42.5	42.5	42.5	42.5	43.8	43.8	43.8	43.8	42.5	42.5
115°	45.1	45.1	45.1	46.3	46.3	46.3	46.3	46.3	46.3	45.1	43.8
117.5°	50.2	50.2	50.2	50.2	51.5	51.5	51.5	51.5	51.5	48.9	48.9
120°	56.6	55.4	56.6	57.9	59.2	59.2	59.2	59.2	59.2	56.6	55.4
122.5°	63.1	63.1	64.4	66.9	69.5	70.8	69.5	69.5	69.5	65.7	64.4
125°	70.8	70.8	74.7	79.8	83.7	85.0	83.7	83.7	83.7	79.8	77.2
127.5°	79.8	79.8	85.0	92.7	99.1	103.0	101.7	101.7	101.7	95.3	91.4
130°	88.8	88.8	96.6	106.9	117.2	119.7	121.0	122.3	122.3	114.6	109.4
132.5°	95.3	96.6	105.6	119.7	132.6	136.5	140.3	141.6	141.6	132.6	124.9
135°	101.7	103.0	114.6	131.3	145.5	154.5	158.4	159.6	160.9	150.6	141.6
137.5°	105.6	106.9	119.7	139.0	153.2	164.8	173.8	176.4	176.4	164.8	153.2
140°	105.6	106.9	121.0	139.0	154.5	168.7	179.0	184.1	184.1	172.5	162.2
142.5°	103.0	105.6	118.4	136.5	151.9	166.1	177.7	182.8	182.8	172.5	162.2
145°	97.8	99.1	112.0	127.5	142.9	159.6	172.5	177.7	177.7	167.4	157.1
147.5°	88.8	90.1	100.4	114.6	130.0	146.8	159.6	166.1	164.8	155.8	146.8
150°	77.2	77.2	86.3	97.8	113.3	128.7	141.6	148.1	148.1	139.0	131.3
152.5°	63.1	63.1	69.5	78.5	91.4	106.9	117.2	123.6	123.6	117.2	110.7
155°	48.9	48.9	54.1	60.5	70.8	82.4	90.1	96.6	96.6	91.4	86.3
157.5°	34.8	34.8	39.9	45.1	52.8	61.8	68.2	72.1	73.4	68.2	65.7
160°	23.2	23.2	25.7	29.6	36.0	42.5	46.3	50.2	51.5	47.6	46.3
162.5°	12.9	12.9	14.2	18.0	21.9	25.7	29.6	32.2	32.2	30.9	29.6
165°	3.9	3.9	5.1	6.4	9.0	11.6	12.9	14.2	15.4	15.4	14.2
167.5°	0.0	0.0	1.3	1.3	1.3	1.3	2.6	2.6	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	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4	2541.4
2.5°	2335.4	2407.5	2486.0	2562.0	2654.7	2751.3	2840.1	2900.6	2932.8	2943.1	2943.1
5°	2177.1	2242.7	2300.6	2372.7	2484.8	2630.2	2791.2	2925.1	3001.0	3010.0	3011.3
7.5°	1929.9	1983.9	2044.4	2108.8	2208.0	2338.0	2550.4	2766.7	2890.3	2913.5	2904.5
10°	1727.7	1761.2	1797.3	1821.7	1891.2	1987.8	2132.0	2344.4	2496.3	2514.4	2527.2
12.5°	1633.8	1638.9	1628.6	1633.8	1656.9	1702.0	1772.8	1895.1	1994.2	2011.0	2020.0
15°	1586.1	1560.4	1519.2	1480.6	1460.0	1463.8	1479.3	1529.5	1546.2	1574.5	1561.7
17.5°	1564.2	1506.3	1441.9	1367.3	1320.9	1273.3	1247.5	1238.5	1232.1	1233.4	1245.0
20°	1508.9	1443.2	1340.2	1242.4	1167.7	1102.0	1046.7	1006.8	984.9	974.6	982.3
22.5°	1450.9	1349.2	1228.2	1122.6	1015.8	932.1	869.0	811.1	778.9	787.9	777.6
25°	1452.2	1300.3	1156.1	1017.1	916.7	805.9	705.5	645.0	592.2	602.5	616.7
27.5°	915.4	875.5	772.5	691.4	590.9	535.6	485.4	442.9	413.3	414.6	410.7
30°	776.3	735.1	683.6	619.3	543.3	478.9	421.0	372.1	343.7	336.0	334.7
32.5°	717.1	682.3	634.7	571.6	502.1	437.7	379.8	334.7	306.4	305.1	305.1
35°	638.6	606.4	566.5	512.4	453.2	394.0	339.9	301.3	278.1	278.1	276.8
37.5°	589.6	561.3	522.7	472.5	419.7	360.5	312.8	278.1	253.6	252.3	253.6
40°	563.9	534.3	497.0	449.3	396.5	339.9	294.8	258.8	240.8	239.5	238.2
42.5°	512.4	489.2	457.0	413.3	366.9	316.7	274.2	242.0	226.6	225.3	226.6
45°	435.2	418.4	396.5	364.3	325.7	283.2	245.9	221.4	206.0	206.0	206.0
47.5°	399.1	383.7	359.2	327.0	293.5	253.6	222.7	202.1	188.0	188.0	188.0
50°	390.1	370.8	338.6	302.5	266.5	231.7	203.4	182.8	172.5	171.2	172.5
52.5°	403.0	373.4	329.6	287.1	247.2	213.7	186.7	167.4	157.1	157.1	157.1
55°	449.3	395.2	337.3	283.2	235.6	198.3	171.2	151.9	141.6	140.3	141.6
57.5°	480.2	412.0	339.9	279.4	227.9	188.0	158.4	137.8	127.5	126.2	127.5
60°	453.2	397.8	328.3	269.1	221.4	180.2	149.3	128.7	118.4	117.2	117.2
62.5°	375.9	343.7	293.5	243.3	204.7	168.7	140.3	121.0	110.7	109.4	110.7
65°	333.4	305.1	261.3	221.4	188.0	157.1	132.6	115.9	105.6	105.6	105.6
67.5°	310.3	284.5	243.3	204.7	173.8	145.5	122.3	106.9	97.8	97.8	97.8
70°	283.2	257.5	220.2	185.4	157.1	132.6	112.0	96.6	88.8	87.5	88.8
72.5°	260.1	234.3	199.6	167.4	141.6	119.7	101.7	87.5	81.1	79.8	81.1
75°	234.3	209.9	176.4	148.1	126.2	106.9	91.4	78.5	73.4	72.1	72.1
77.5°	212.4	189.3	158.4	132.6	113.3	95.3	81.1	72.1	66.9	65.7	65.7
80°	193.1	171.2	141.6	118.4	100.4	85.0	73.4	64.4	59.2	59.2	59.2
82.5°	172.5	153.2	126.2	104.3	88.8	76.0	64.4	56.6	52.8	52.8	52.8
85°	155.8	136.5	110.7	92.7	77.2	65.7	56.6	50.2	46.3	46.3	46.3
87.5°	137.8	121.0	97.8	81.1	68.2	57.9	48.9	42.5	41.2	39.9	39.9
90°	119.7	104.3	83.7	69.5	57.9	48.9	41.2	36.0	34.8	33.5	33.5
92.5°	106.9	92.7	76.0	63.1	52.8	43.8	38.6	33.5	32.2	32.2	30.9
95°	92.7	81.1	66.9	56.6	47.6	41.2	36.0	32.2	30.9	30.9	29.6
97.5°	79.8	69.5	59.2	51.5	43.8	38.6	33.5	30.9	28.3	28.3	28.3
100°	66.9	59.2	51.5	43.8	39.9	34.8	30.9	28.3	27.0	25.7	25.7
102.5°	54.1	48.9	42.5	38.6	33.5	29.6	27.0	24.5	23.2	23.2	23.2
105°	46.3	42.5	38.6	34.8	30.9	27.0	24.5	21.9	20.6	20.6	20.6
107.5°	42.5	39.9	36.0	32.2	29.6	25.7	23.2	19.3	18.0	19.3	19.3
110°	41.2	38.6	34.8	32.2	28.3	25.7	23.2	18.0	16.7	18.0	18.0

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CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	41.2	38.6	36.0	32.2	29.6	25.7	23.2	18.0	16.7	16.7	16.7
115°	42.5	41.2	37.3	34.8	30.9	27.0	23.2	18.0	16.7	16.7	16.7
117.5°	47.6	45.1	41.2	37.3	33.5	28.3	24.5	18.0	16.7	16.7	16.7
120°	52.8	50.2	46.3	41.2	36.0	30.9	25.7	18.0	15.4	16.7	16.7
122.5°	61.8	57.9	52.8	46.3	39.9	33.5	25.7	19.3	14.2	16.7	16.7
125°	73.4	68.2	60.5	51.5	43.8	36.0	27.0	19.3	15.4	16.7	16.7
127.5°	86.3	79.8	69.5	57.9	47.6	37.3	28.3	19.3	15.4	15.4	16.7
130°	103.0	92.7	78.5	64.4	51.5	39.9	28.3	19.3	15.4	15.4	15.4
132.5°	117.2	104.3	86.3	69.5	54.1	41.2	28.3	19.3	14.2	14.2	14.2
135°	131.3	114.6	92.7	73.4	56.6	41.2	28.3	18.0	14.2	14.2	14.2
137.5°	142.9	121.0	97.8	74.7	56.6	39.9	27.0	16.7	12.9	12.9	12.9
140°	149.3	124.9	99.1	74.7	54.1	38.6	24.5	15.4	11.6	11.6	11.6
142.5°	149.3	123.6	97.8	72.1	51.5	36.0	21.9	12.9	10.3	10.3	10.3
145°	144.2	118.4	92.7	68.2	47.6	32.2	19.3	11.6	7.7	7.7	9.0
147.5°	135.2	109.4	85.0	61.8	42.5	27.0	16.7	9.0	6.4	6.4	6.4
150°	119.7	96.6	73.4	54.1	36.0	23.2	14.2	7.7	5.1	5.1	5.1
152.5°	100.4	79.8	61.8	45.1	29.6	18.0	10.3	6.4	3.9	3.9	3.9
155°	79.8	63.1	48.9	34.8	21.9	14.2	7.7	5.1	3.9	3.9	3.9
157.5°	59.2	47.6	36.0	25.7	16.7	10.3	6.4	3.9	2.6	2.6	2.6
160°	41.2	33.5	24.5	16.7	10.3	6.4	3.9	2.6	1.3	1.3	1.3
162.5°	27.0	20.6	15.4	10.3	6.4	3.9	2.6	1.3	1.3	1.3	1.3
165°	12.9	10.3	7.7	5.1	2.6	2.6	1.3	1.3	0.0	0.0	0.0
167.5°	3.9	2.6	1.3	1.3	1.3	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	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)