

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: P691197

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691197
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-C015-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 3554 lumens
Efficiency: N/A
Efficacy: 108.7 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): 32.7
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



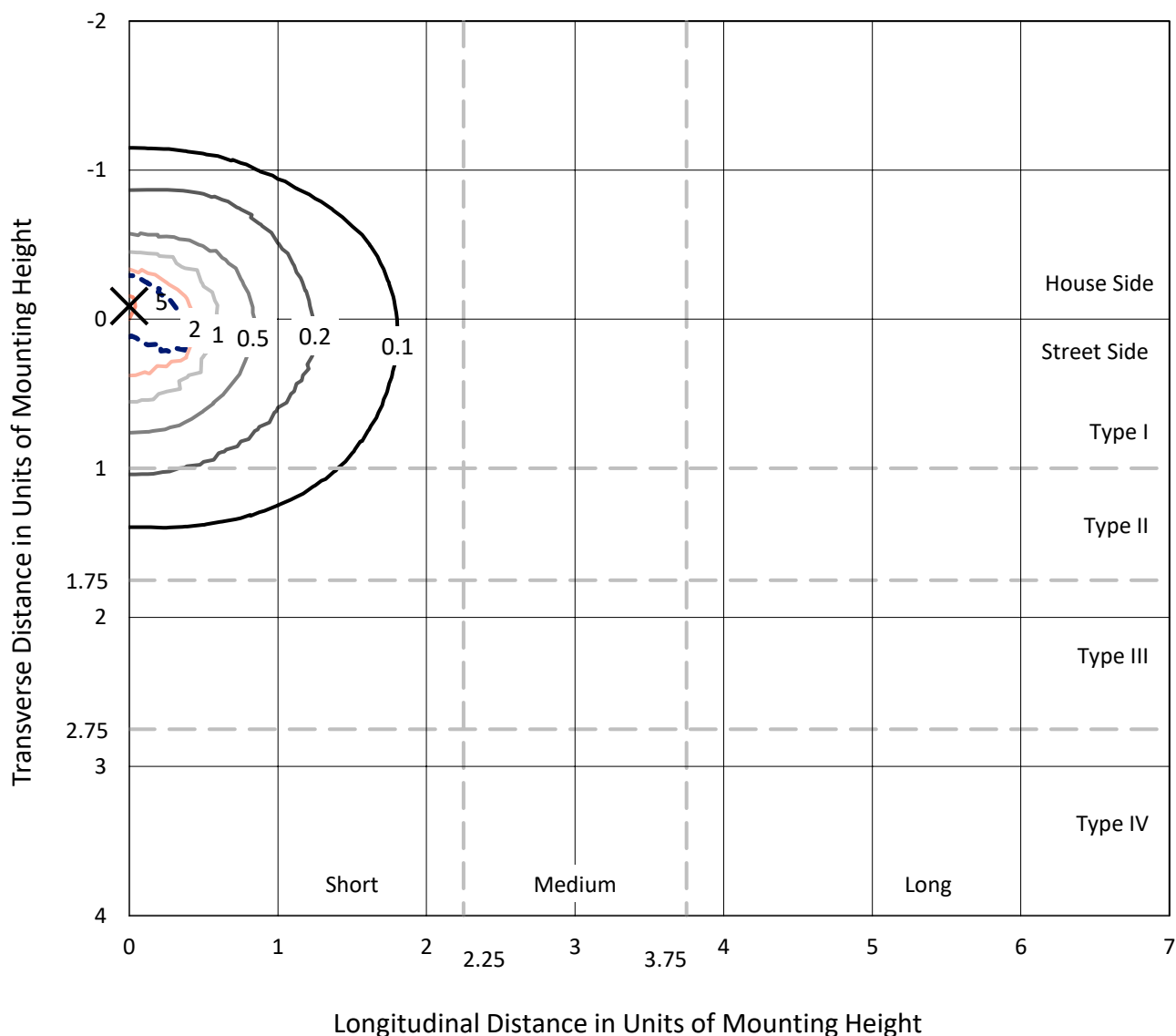
REPORT NUMBER: P691197

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



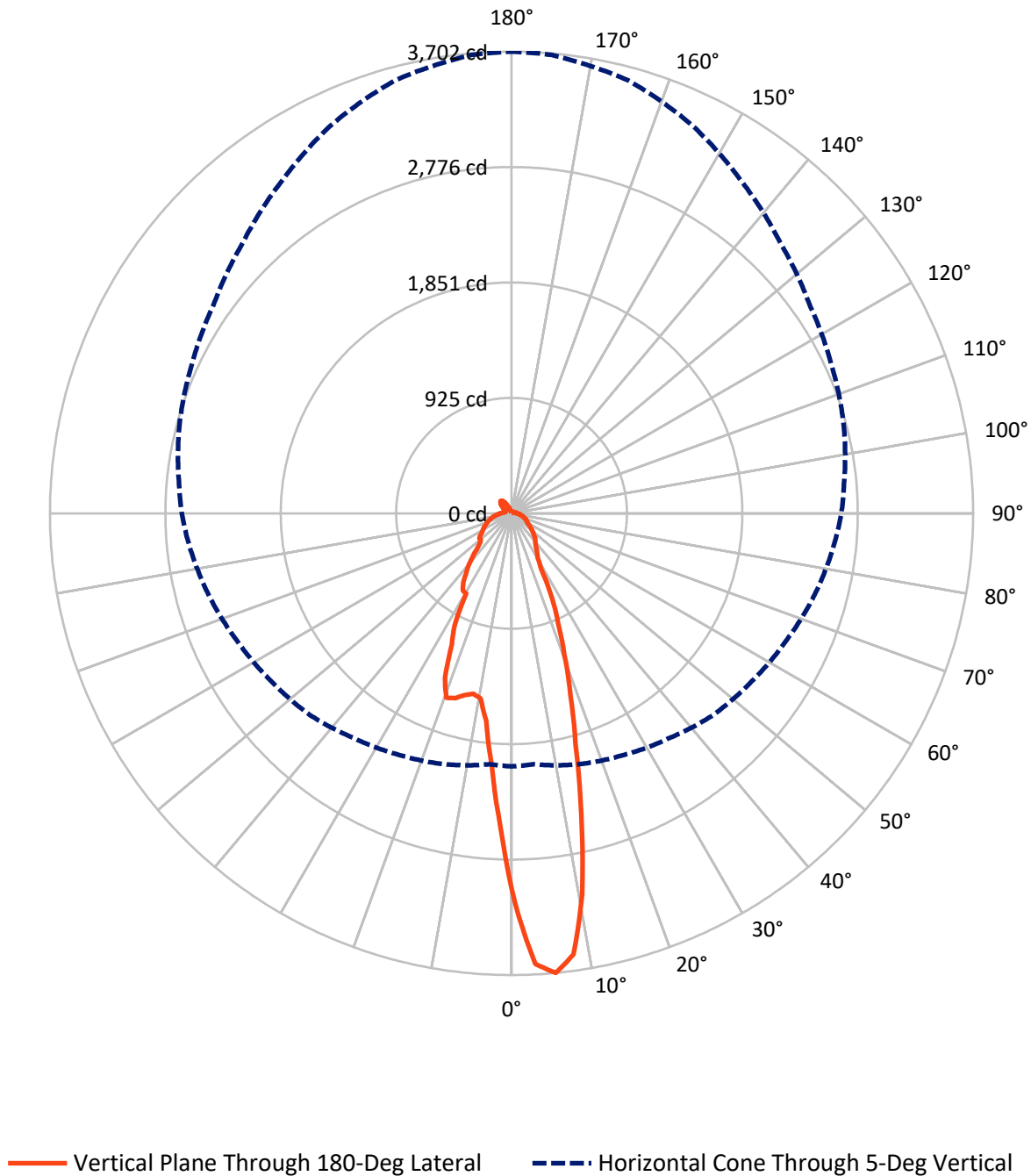
Based on 25 foot mounting height. Maximum calculated value = 5.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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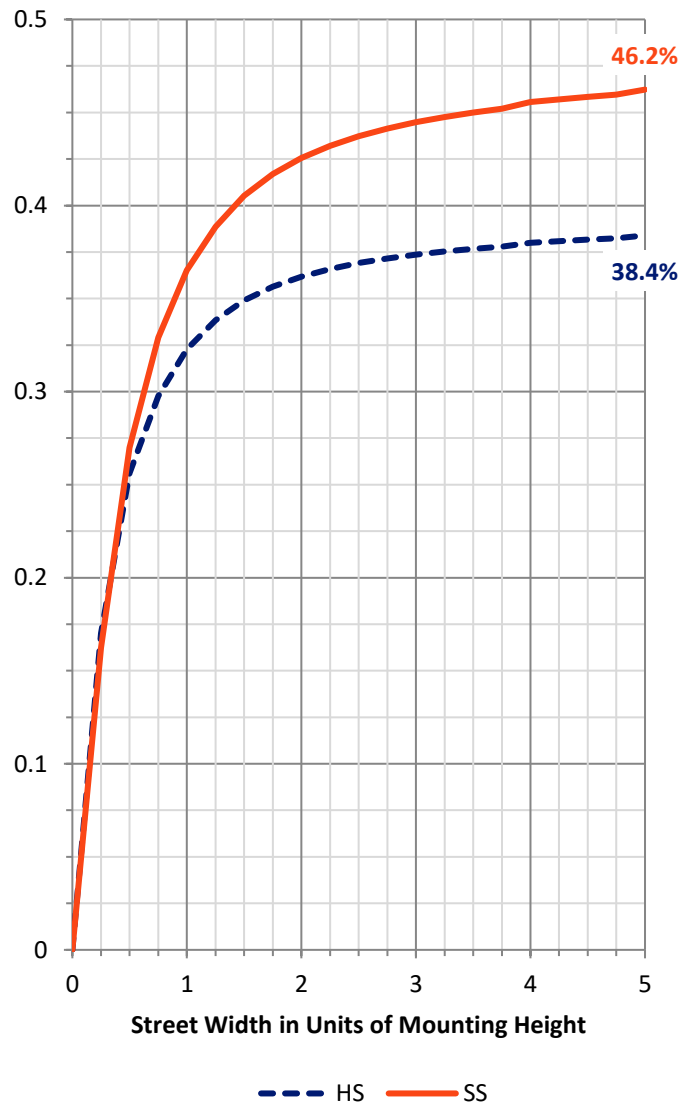
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.6	164.4	1565.0
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1683.3	305.7	1989.0
	% Fixture	47.4	8.6	56.0
Total	Lumens	3083.9	470.1	3554.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.8	6.8
10°-20°	513.2	14.4
20°-30°	558.5	15.7
30°-40°	408.8	11.5
40°-50°	343.7	9.7
50°-60°	349.0	9.8
60°-70°	296.7	8.3
70°-80°	221.4	6.2
80°-90°	150.7	4.2
90°-100°	90.5	2.5
100°-110°	51.9	1.5
110°-120°	47.8	1.3
120°-130°	69.4	2.0
130°-140°	95.4	2.7
140°-150°	79.0	2.2
150°-160°	32.1	0.9
160°-170°	4.0	0.1
170°-180°	0.0	0.0
0°-90°	3083.9	86.8
0°-180°	3554.0	100.0

Coefficient of Utilization



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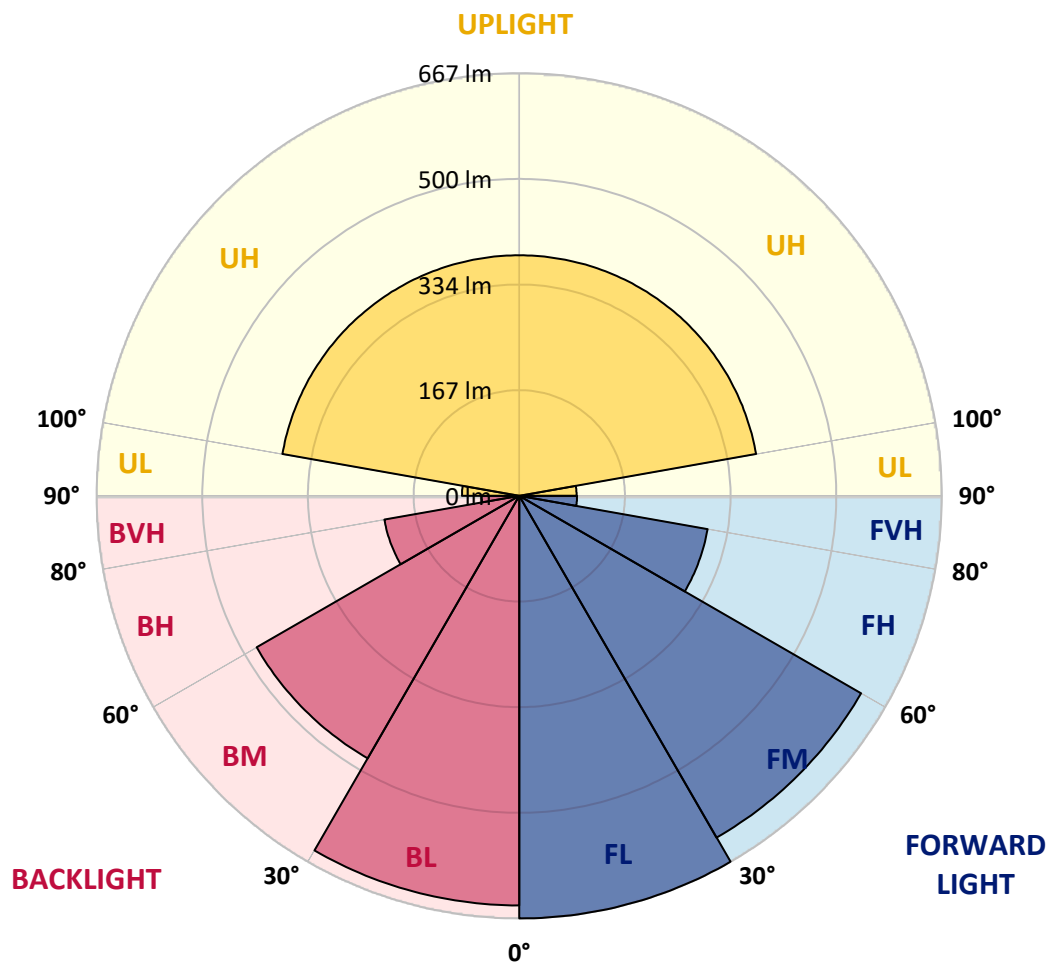
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	667.0	18.8			
FM	(30°-60°)	623.1	17.5			
FH	(60°-80°)	301.9	8.5			G0/660
FVH	(80°-90°)	91.3	2.6			G1/100
BL	(0°-30°)	646.5	18.2	B2/1000		
BM	(30°-60°)	478.5	13.5	B1/1000		
BH	(60°-80°)	216.2	6.1	B1/500		G1/500
BVH	(80°-90°)	59.4	1.7			G1/100
UL	(90°-100°)	90.5	2.5		U3/500	
UH	(100°-180°)	379.6	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°	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2
2.5°	2519.6	2514.9	2549.7	2557.6	2560.8	2597.2	2646.3	2679.5	2739.6	2798.2	2821.9
5°	2029.0	2019.5	2082.8	2136.6	2201.5	2287.0	2350.3	2426.3	2516.5	2603.5	2644.7
7.5°	1672.9	1685.6	1775.8	1886.6	1991.0	2092.3	2169.9	2234.8	2287.0	2342.4	2353.5
10°	1505.1	1516.2	1604.8	1710.9	1807.4	1910.3	1976.8	2032.2	2065.4	2106.6	2120.8
12.5°	1478.2	1486.1	1546.3	1620.7	1693.5	1786.9	1870.7	1932.5	1970.4	2003.7	2006.8
15°	1505.1	1508.3	1544.7	1593.8	1657.1	1734.6	1831.2	1900.8	1943.5	1957.8	1954.6
17.5°	1549.5	1549.5	1566.9	1608.0	1668.2	1742.5	1834.3	1905.6	1949.9	1956.2	1943.5
20°	1568.4	1571.6	1582.7	1628.6	1682.4	1750.5	1842.2	1902.4	1937.2	1919.8	1897.6
22.5°	1426.0	1419.7	1449.7	1546.3	1666.6	1788.4	1875.5	1943.5	1962.5	1904.0	1856.5
25°	1153.8	1156.9	1175.9	1223.4	1316.8	1429.2	1622.3	1829.6	1973.6	1951.5	1880.2
27.5°	1006.6	997.1	1001.8	1009.8	997.1	973.4	995.5	990.8	987.6	1044.6	1050.9
30°	739.1	740.7	748.6	762.9	792.9	837.2	884.7	911.6	935.4	979.7	973.4
32.5°	734.4	735.9	740.7	753.4	769.2	799.3	829.3	840.4	865.7	902.1	891.1
35°	686.9	682.1	694.8	705.9	710.6	723.3	747.0	762.9	778.7	804.0	797.7
37.5°	609.3	610.9	636.2	653.6	658.4	675.8	698.0	710.6	728.0	750.2	739.1
40°	542.9	544.4	574.5	593.5	604.6	628.3	661.6	677.4	705.9	723.3	710.6
42.5°	466.9	473.2	493.8	516.0	522.3	536.5	558.7	579.3	615.7	639.4	631.5
45°	389.3	392.5	406.8	428.9	438.4	454.2	474.8	493.8	522.3	541.3	539.7
47.5°	343.4	346.6	359.3	378.3	397.3	417.8	440.0	459.0	485.9	501.7	495.4
50°	324.5	327.6	343.4	365.6	389.3	416.2	443.2	463.7	489.1	498.5	490.6
52.5°	327.6	327.6	349.8	378.3	411.5	447.9	481.1	506.5	527.0	533.4	516.0
55°	310.2	315.0	338.7	378.3	428.9	485.9	542.9	596.7	626.7	620.4	587.2
57.5°	283.3	288.0	305.5	348.2	402.0	470.1	550.8	617.2	653.6	658.4	625.2
60°	267.5	270.6	286.5	319.7	367.2	422.6	495.4	549.2	590.3	603.0	579.3
62.5°	253.2	256.4	269.1	294.4	329.2	371.9	413.1	447.9	481.1	493.8	484.3
65°	237.4	239.0	251.6	273.8	302.3	338.7	373.5	398.8	425.7	433.7	422.6
67.5°	221.6	223.2	234.2	254.8	281.7	315.0	341.9	370.3	397.3	403.6	395.7
70°	207.3	208.9	218.4	237.4	261.1	292.8	318.1	337.1	364.0	370.3	360.9
72.5°	193.1	194.7	204.2	221.6	243.7	272.2	294.4	313.4	335.5	337.1	329.2
75°	178.8	180.4	188.3	204.2	223.2	251.6	272.2	288.0	307.0	307.0	297.5
77.5°	163.0	166.2	172.5	186.8	204.2	231.1	250.1	265.9	281.7	280.1	270.6
80°	148.8	150.4	156.7	169.3	185.2	210.5	229.5	242.2	256.4	254.8	246.9
82.5°	132.9	134.5	139.3	151.9	166.2	189.9	208.9	221.6	234.2	231.1	223.2
85°	117.1	118.7	125.0	134.5	148.8	170.9	188.3	201.0	210.5	207.3	201.0
87.5°	104.5	104.5	109.2	118.7	131.4	151.9	167.8	180.4	188.3	186.8	180.4
90°	90.2	91.8	95.0	102.9	114.0	131.4	147.2	158.3	166.2	163.0	156.7
92.5°	79.1	79.1	82.3	90.2	99.7	115.5	129.8	139.3	145.6	144.0	139.3
95°	68.1	69.6	71.2	77.6	85.5	98.1	110.8	120.3	126.6	125.0	121.9
97.5°	60.1	61.7	63.3	66.5	74.4	82.3	93.4	101.3	107.6	106.0	102.9
100°	55.4	55.4	55.4	58.6	63.3	69.6	77.6	83.9	87.0	88.6	85.5
102.5°	50.6	50.6	52.2	52.2	55.4	58.6	63.3	68.1	69.6	69.6	69.6
105°	49.1	49.1	50.6	50.6	52.2	53.8	57.0	58.6	60.1	60.1	58.6
107.5°	49.1	49.1	49.1	49.1	50.6	52.2	53.8	55.4	55.4	55.4	53.8
110°	50.6	50.6	50.6	50.6	50.6	52.2	52.2	53.8	53.8	52.2	52.2



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	52.2	52.2	52.2	52.2	52.2	53.8	53.8	53.8	53.8	52.2	52.2
115°	55.4	55.4	55.4	57.0	57.0	57.0	57.0	57.0	57.0	55.4	53.8
117.5°	61.7	61.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	60.1	60.1
120°	69.6	68.1	69.6	71.2	72.8	72.8	72.8	72.8	72.8	69.6	68.1
122.5°	77.6	77.6	79.1	82.3	85.5	87.0	85.5	85.5	85.5	80.7	79.1
125°	87.0	87.0	91.8	98.1	102.9	104.5	102.9	102.9	102.9	98.1	95.0
127.5°	98.1	98.1	104.5	114.0	121.9	126.6	125.0	125.0	125.0	117.1	112.4
130°	109.2	109.2	118.7	131.4	144.0	147.2	148.8	150.4	150.4	140.9	134.5
132.5°	117.1	118.7	129.8	147.2	163.0	167.8	172.5	174.1	174.1	163.0	153.5
135°	125.0	126.6	140.9	161.4	178.8	189.9	194.7	196.3	197.8	185.2	174.1
137.5°	129.8	131.4	147.2	170.9	188.3	202.6	213.7	216.8	216.8	202.6	188.3
140°	129.8	131.4	148.8	170.9	189.9	207.3	220.0	226.3	226.3	212.1	199.4
142.5°	126.6	129.8	145.6	167.8	186.8	204.2	218.4	224.7	224.7	212.1	199.4
145°	120.3	121.9	137.7	156.7	175.7	196.3	212.1	218.4	218.4	205.7	193.1
147.5°	109.2	110.8	123.4	140.9	159.9	180.4	196.3	204.2	202.6	191.5	180.4
150°	95.0	95.0	106.0	120.3	139.3	158.3	174.1	182.0	182.0	170.9	161.4
152.5°	77.6	77.6	85.5	96.5	112.4	131.4	144.0	151.9	151.9	144.0	136.1
155°	60.1	60.1	66.5	74.4	87.0	101.3	110.8	118.7	118.7	112.4	106.0
157.5°	42.7	42.7	49.1	55.4	64.9	76.0	83.9	88.6	90.2	83.9	80.7
160°	28.5	28.5	31.7	36.4	44.3	52.2	57.0	61.7	63.3	58.6	57.0
162.5°	15.8	15.8	17.4	22.2	26.9	31.7	36.4	39.6	39.6	38.0	36.4
165°	4.7	4.7	6.3	7.9	11.1	14.2	15.8	17.4	19.0	19.0	17.4
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	3.2	3.2	4.7	4.7	4.7
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°	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2	3124.2
2.5°	2871.0	2959.6	3056.2	3149.5	3263.5	3382.2	3491.4	3565.8	3605.4	3618.0	3618.0
5°	2676.3	2757.0	2828.3	2916.9	3054.6	3233.4	3431.3	3595.9	3689.2	3700.3	3701.9
7.5°	2372.4	2438.9	2513.3	2592.4	2714.3	2874.2	3135.3	3401.2	3553.1	3581.6	3570.5
10°	2124.0	2165.1	2209.4	2239.5	2325.0	2443.7	2620.9	2882.1	3068.8	3091.0	3106.8
12.5°	2008.4	2014.8	2002.1	2008.4	2036.9	2092.3	2179.4	2329.7	2451.6	2472.2	2483.2
15°	1949.9	1918.2	1867.6	1820.1	1794.8	1799.5	1818.5	1880.2	1900.8	1935.6	1919.8
17.5°	1923.0	1851.7	1772.6	1680.8	1623.8	1565.3	1533.6	1522.5	1514.6	1516.2	1530.5
20°	1854.9	1774.2	1647.6	1527.3	1435.5	1354.8	1286.7	1237.7	1210.8	1198.1	1207.6
22.5°	1783.7	1658.7	1509.9	1380.1	1248.7	1145.9	1068.3	997.1	957.5	968.6	955.9
25°	1785.3	1598.5	1421.3	1250.3	1126.9	990.8	867.3	792.9	728.0	740.7	758.1
27.5°	1125.3	1076.2	949.6	849.9	726.5	658.4	596.7	544.4	508.0	509.6	504.9
30°	954.4	903.7	840.4	761.3	667.9	588.8	517.5	457.4	422.6	413.1	411.5
32.5°	881.6	838.8	780.3	702.7	617.2	538.1	466.9	411.5	376.7	375.1	375.1
35°	785.0	745.4	696.4	629.9	557.1	484.3	417.8	370.3	341.9	341.9	340.3
37.5°	724.9	690.1	642.6	580.8	516.0	443.2	384.6	341.9	311.8	310.2	311.8
40°	693.2	656.8	610.9	552.4	487.5	417.8	362.4	318.1	296.0	294.4	292.8
42.5°	629.9	601.4	561.9	508.0	451.1	389.3	337.1	297.5	278.6	277.0	278.6
45°	534.9	514.4	487.5	447.9	400.4	348.2	302.3	272.2	253.2	253.2	253.2
47.5°	490.6	471.6	441.6	402.0	360.9	311.8	273.8	248.5	231.1	231.1	231.1
50°	479.6	455.8	416.2	371.9	327.6	284.9	250.1	224.7	212.1	210.5	212.1
52.5°	495.4	459.0	405.2	352.9	303.9	262.7	229.5	205.7	193.1	193.1	193.1
55°	552.4	485.9	414.7	348.2	289.6	243.7	210.5	186.8	174.1	172.5	174.1
57.5°	590.3	506.5	417.8	343.4	280.1	231.1	194.7	169.3	156.7	155.1	156.7
60°	557.1	489.1	403.6	330.8	272.2	221.6	183.6	158.3	145.6	144.0	144.0
62.5°	462.1	422.6	360.9	299.1	251.6	207.3	172.5	148.8	136.1	134.5	136.1
65°	409.9	375.1	321.3	272.2	231.1	193.1	163.0	142.4	129.8	129.8	129.8
67.5°	381.4	349.8	299.1	251.6	213.7	178.8	150.4	131.4	120.3	120.3	120.3
70°	348.2	316.5	270.6	227.9	193.1	163.0	137.7	118.7	109.2	107.6	109.2
72.5°	319.7	288.0	245.3	205.7	174.1	147.2	125.0	107.6	99.7	98.1	99.7
75°	288.0	258.0	216.8	182.0	155.1	131.4	112.4	96.5	90.2	88.6	88.6
77.5°	261.1	232.7	194.7	163.0	139.3	117.1	99.7	88.6	82.3	80.7	80.7
80°	237.4	210.5	174.1	145.6	123.4	104.5	90.2	79.1	72.8	72.8	72.8
82.5°	212.1	188.3	155.1	128.2	109.2	93.4	79.1	69.6	64.9	64.9	64.9
85°	191.5	167.8	136.1	114.0	95.0	80.7	69.6	61.7	57.0	57.0	57.0
87.5°	169.3	148.8	120.3	99.7	83.9	71.2	60.1	52.2	50.6	49.1	49.1
90°	147.2	128.2	102.9	85.5	71.2	60.1	50.6	44.3	42.7	41.1	41.1
92.5°	131.4	114.0	93.4	77.6	64.9	53.8	47.5	41.1	39.6	39.6	38.0
95°	114.0	99.7	82.3	69.6	58.6	50.6	44.3	39.6	38.0	38.0	36.4
97.5°	98.1	85.5	72.8	63.3	53.8	47.5	41.1	38.0	34.8	34.8	34.8
100°	82.3	72.8	63.3	53.8	49.1	42.7	38.0	34.8	33.2	31.7	31.7
102.5°	66.5	60.1	52.2	47.5	41.1	36.4	33.2	30.1	28.5	28.5	28.5
105°	57.0	52.2	47.5	42.7	38.0	33.2	30.1	26.9	25.3	25.3	25.3
107.5°	52.2	49.1	44.3	39.6	36.4	31.7	28.5	23.7	22.2	23.7	23.7
110°	50.6	47.5	42.7	39.6	34.8	31.7	28.5	22.2	20.6	22.2	22.2



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	50.6	47.5	44.3	39.6	36.4	31.7	28.5	22.2	20.6	20.6	20.6
115°	52.2	50.6	45.9	42.7	38.0	33.2	28.5	22.2	20.6	20.6	20.6
117.5°	58.6	55.4	50.6	45.9	41.1	34.8	30.1	22.2	20.6	20.6	20.6
120°	64.9	61.7	57.0	50.6	44.3	38.0	31.7	22.2	19.0	20.6	20.6
122.5°	76.0	71.2	64.9	57.0	49.1	41.1	31.7	23.7	17.4	20.6	20.6
125°	90.2	83.9	74.4	63.3	53.8	44.3	33.2	23.7	19.0	20.6	20.6
127.5°	106.0	98.1	85.5	71.2	58.6	45.9	34.8	23.7	19.0	19.0	20.6
130°	126.6	114.0	96.5	79.1	63.3	49.1	34.8	23.7	19.0	19.0	19.0
132.5°	144.0	128.2	106.0	85.5	66.5	50.6	34.8	23.7	17.4	17.4	17.4
135°	161.4	140.9	114.0	90.2	69.6	50.6	34.8	22.2	17.4	17.4	17.4
137.5°	175.7	148.8	120.3	91.8	69.6	49.1	33.2	20.6	15.8	15.8	15.8
140°	183.6	153.5	121.9	91.8	66.5	47.5	30.1	19.0	14.2	14.2	14.2
142.5°	183.6	151.9	120.3	88.6	63.3	44.3	26.9	15.8	12.7	12.7	12.7
145°	177.3	145.6	114.0	83.9	58.6	39.6	23.7	14.2	9.5	9.5	11.1
147.5°	166.2	134.5	104.5	76.0	52.2	33.2	20.6	11.1	7.9	7.9	7.9
150°	147.2	118.7	90.2	66.5	44.3	28.5	17.4	9.5	6.3	6.3	6.3
152.5°	123.4	98.1	76.0	55.4	36.4	22.2	12.7	7.9	4.7	4.7	4.7
155°	98.1	77.6	60.1	42.7	26.9	17.4	9.5	6.3	4.7	4.7	4.7
157.5°	72.8	58.6	44.3	31.7	20.6	12.7	7.9	4.7	3.2	3.2	3.2
160°	50.6	41.1	30.1	20.6	12.7	7.9	4.7	3.2	1.6	1.6	1.6
162.5°	33.2	25.3	19.0	12.7	7.9	4.7	3.2	1.6	1.6	1.6	1.6
165°	15.8	12.7	9.5	6.3	3.2	3.2	1.6	1.6	0.0	0.0	0.0
167.5°	4.7	3.2	1.6	1.6	1.6	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)