

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: P691111

Luminaire Tested: **CRTK2-C013-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2924.1 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

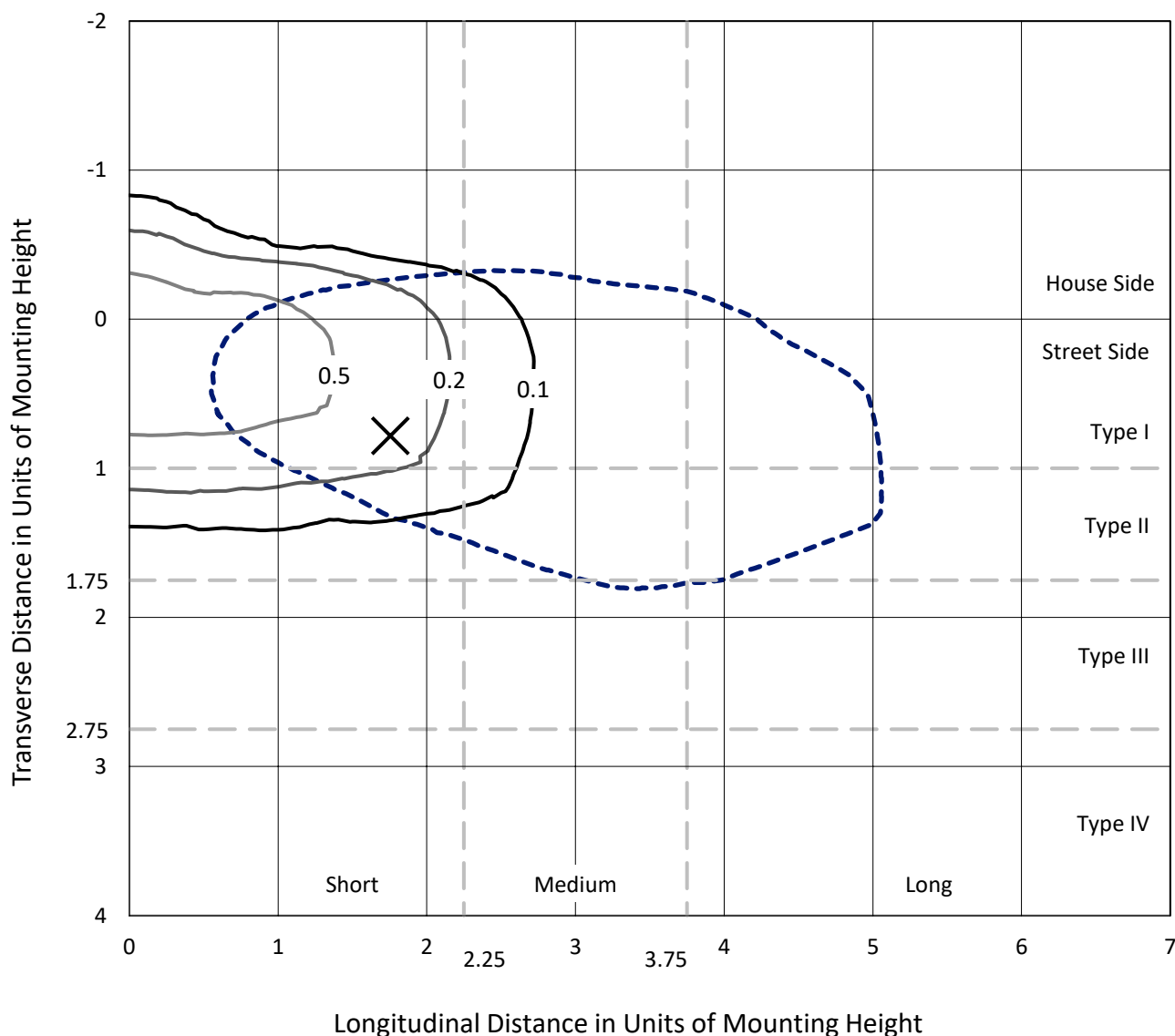
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

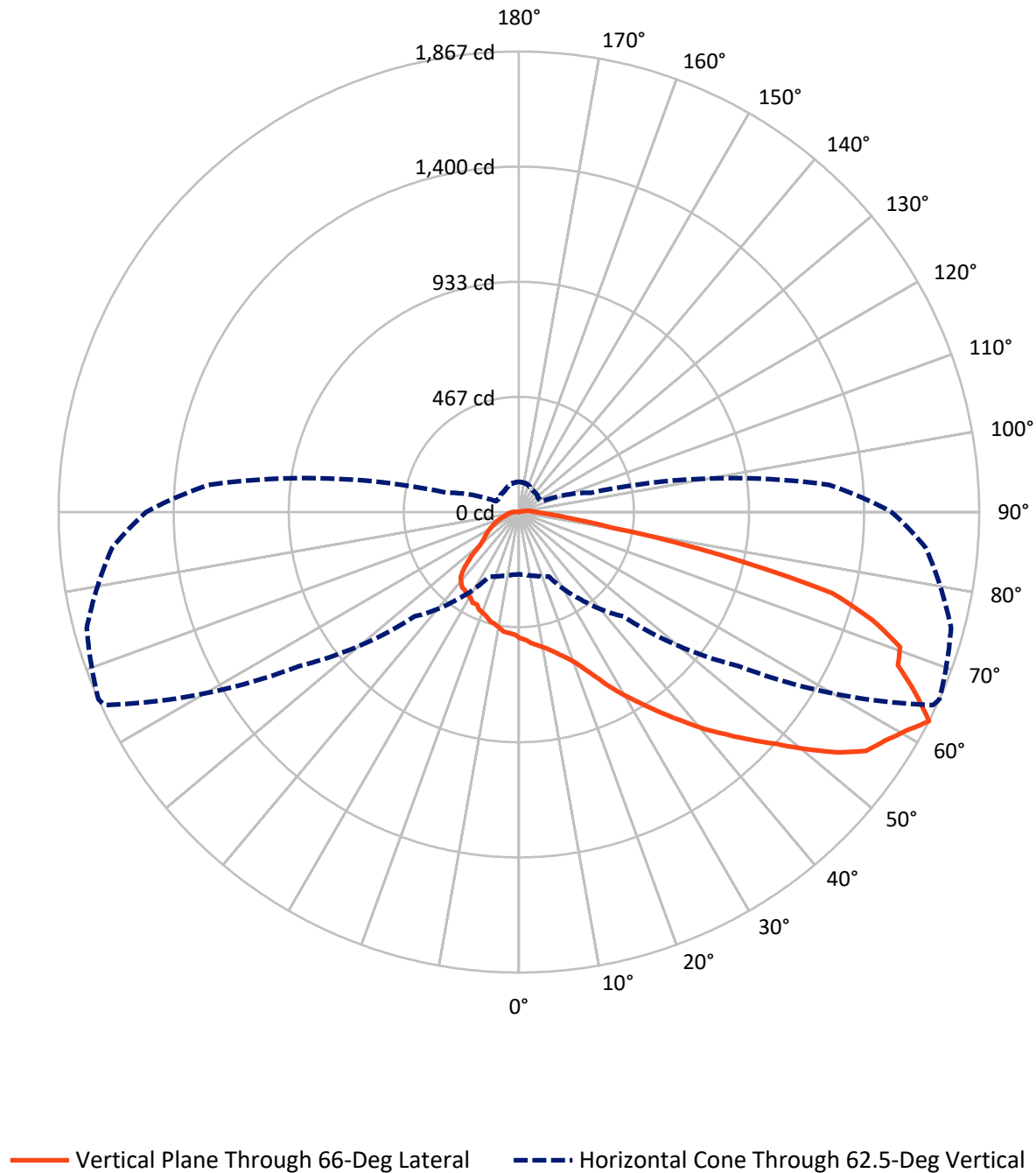
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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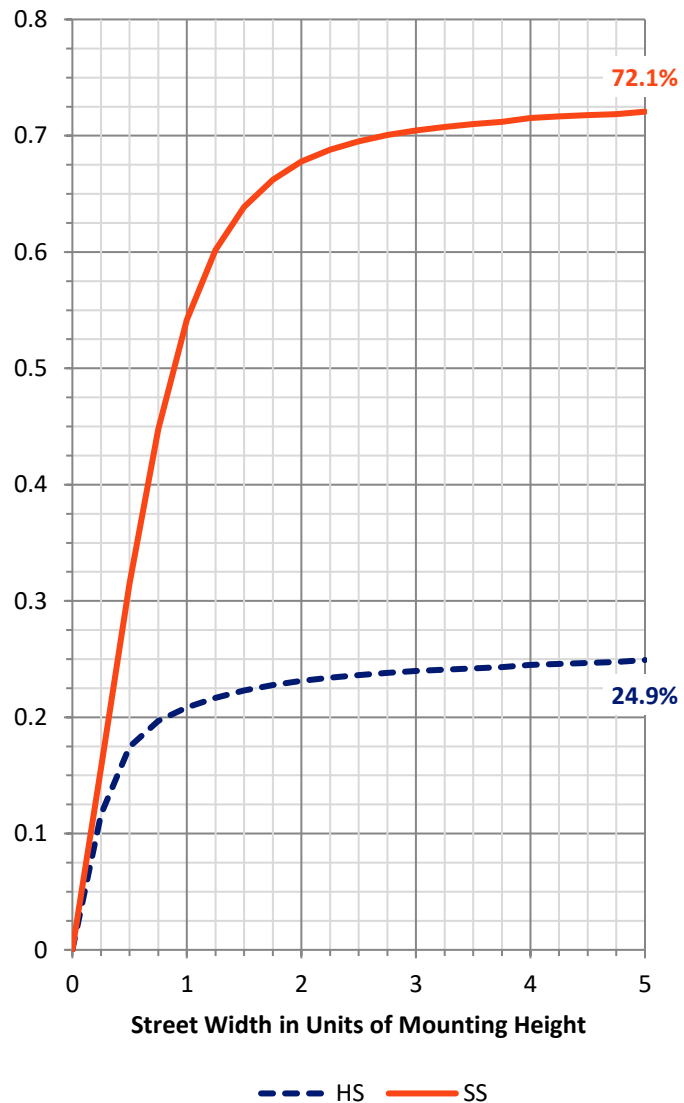
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.1	21.1	782.2
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2121.1	20.8	2141.9
	% Fixture	72.5	0.7	73.3
Total	Lumens	2882.2	41.9	2924.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.7
10°-20°	147.0	5.0
20°-30°	248.8	8.5
30°-40°	364.0	12.4
40°-50°	475.7	16.3
50°-60°	553.6	18.9
60°-70°	553.8	18.9
70°-80°	382.1	13.1
80°-90°	108.0	3.7
90°-100°	35.6	1.2
100°-110°	4.9	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2882.2	98.6
0°-180°	2924.1	100.0

Coefficient of Utilization



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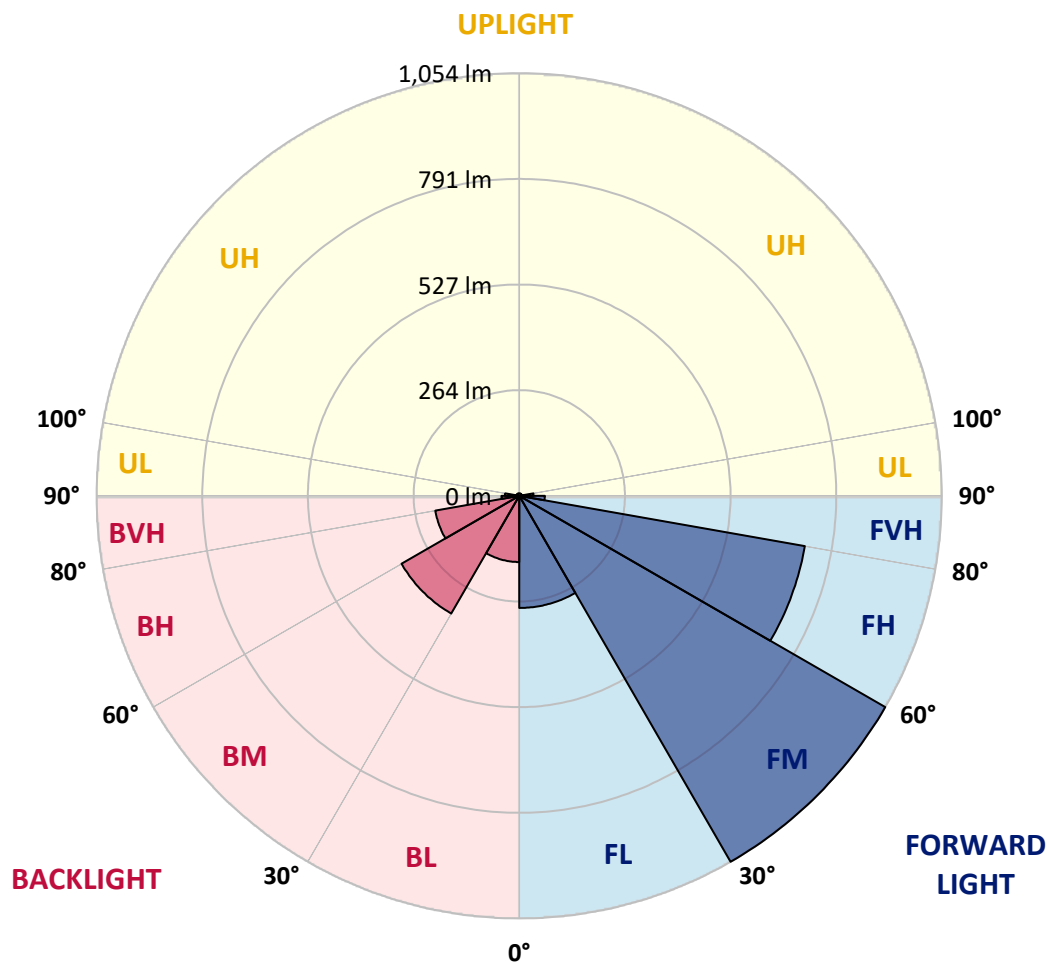
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.7	9.6			
FM	(30°-60°)	1054.2	36.1			
FH	(60°-80°)	723.4	24.7			G1/1800
FVH	(80°-90°)	63.8	2.2			G1/100
BL	(0°-30°)	165.2	5.6	B1/500		
BM	(30°-60°)	339.1	11.6	B1/1000		
BH	(60°-80°)	212.6	7.3	B1/500		G1/500
BVH	(80°-90°)	44.2	1.5			G1/100
UL	(90°-100°)	35.6	1.2		U2/50	
UH	(100°-180°)	6.3	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9
2.5°	537.1	536.1	536.1	531.3	526.4	525.4	522.5	518.6	518.6	515.7	510.9
5°	569.1	568.2	569.1	562.4	555.6	549.7	540.0	535.2	534.2	527.4	517.7
7.5°	591.5	590.5	589.5	583.7	580.8	575.0	561.4	546.8	544.9	538.1	525.4
10°	600.2	601.2	606.1	596.3	590.5	585.7	577.9	560.4	558.5	542.9	523.5
12.5°	623.5	624.5	621.6	609.9	608.0	604.1	591.5	576.9	575.0	555.6	528.4
15°	647.8	647.8	643.9	637.1	632.3	628.4	612.9	597.3	596.3	573.0	541.0
17.5°	658.5	660.4	661.4	652.7	650.7	649.8	642.0	622.6	620.6	598.3	558.5
20°	665.3	666.3	667.2	666.3	667.2	666.3	670.2	654.6	649.8	626.5	577.9
22.5°	678.9	680.8	687.6	687.6	690.6	697.4	694.4	696.4	694.4	666.3	610.9
25°	685.7	688.6	697.4	708.0	720.7	728.4	739.1	746.9	747.9	722.6	661.4
27.5°	675.0	681.8	704.2	720.7	749.8	770.2	795.5	808.1	810.0	785.7	715.8
30°	688.6	688.6	702.2	725.5	761.5	809.0	847.9	867.3	869.3	850.8	770.2
32.5°	663.4	669.2	700.3	744.9	796.4	850.8	888.7	926.6	931.4	925.6	847.9
35°	660.4	663.4	682.8	729.4	798.4	889.7	942.1	991.6	1001.4	1003.3	922.7
37.5°	633.3	637.1	673.1	731.3	825.6	916.9	983.9	1065.5	1074.2	1087.8	987.8
40°	599.3	605.1	634.2	699.3	817.8	948.9	1028.5	1143.2	1155.8	1172.3	1073.2
42.5°	554.6	565.3	614.8	684.7	813.9	959.6	1071.3	1220.9	1232.5	1250.0	1145.1
45°	516.7	519.6	559.4	632.3	782.8	974.2	1111.1	1308.3	1316.0	1324.8	1203.4
47.5°	482.7	488.5	522.5	590.5	749.8	971.2	1146.1	1390.8	1404.4	1430.6	1274.3
50°	381.7	395.3	491.5	554.6	699.3	962.5	1175.2	1487.9	1510.3	1520.0	1354.9
52.5°	330.2	334.1	382.7	519.6	643.0	933.4	1200.5	1593.8	1619.1	1596.7	1452.0
55°	305.0	308.9	331.2	448.7	599.3	874.1	1219.9	1693.9	1709.4	1656.9	1523.9
57.5°	291.4	294.3	305.9	363.2	545.8	779.9	1221.8	1743.4	1749.2	1704.5	1560.8
60°	268.1	271.0	291.4	316.6	486.6	679.9	1187.8	1771.6	1801.7	1762.8	1631.7
62.5°	252.5	254.5	268.1	288.5	429.3	598.3	1088.8	1852.2	1866.7	1814.3	1656.0
65°	233.1	235.0	247.7	266.1	392.4	552.6	1046.0	1819.1	1765.7	1801.7	1688.0
67.5°	210.8	213.7	225.3	240.9	331.2	508.0	922.7	1695.8	1657.9	1737.6	1604.5
70°	190.4	192.3	204.9	213.7	271.9	449.7	766.3	1599.6	1639.5	1638.5	1528.7
72.5°	168.0	170.0	180.7	188.4	227.3	380.7	608.0	1488.9	1500.6	1458.8	1352.9
75°	144.7	145.7	155.4	163.2	186.5	305.0	443.9	1231.5	1312.2	1394.7	1170.4
77.5°	116.5	119.5	127.2	131.1	149.6	243.8	289.4	729.4	833.3	1226.7	1046.0
80°	87.4	87.4	93.2	95.2	110.7	181.6	182.6	351.6	377.8	779.9	777.0
82.5°	55.4	58.3	64.1	63.1	74.8	103.9	115.6	195.2	209.8	308.9	344.8
85°	44.7	45.6	49.5	46.6	49.5	56.3	65.1	123.3	128.2	188.4	187.5
87.5°	36.9	37.9	40.8	38.8	39.8	42.7	50.5	82.6	84.5	121.4	125.3
90°	28.2	29.1	33.0	32.1	31.1	35.0	41.8	63.1	66.0	96.2	103.0
92.5°	18.5	18.5	21.4	21.4	21.4	25.3	36.9	48.6	50.5	87.4	92.3
95°	13.6	13.6	14.6	15.5	14.6	18.5	27.2	43.7	47.6	81.6	79.6
97.5°	8.7	8.7	9.7	10.7	9.7	11.7	15.5	31.1	35.0	63.1	62.2
100°	5.8	5.8	5.8	5.8	5.8	5.8	8.7	20.4	23.3	39.8	38.8
102.5°	3.9	3.9	3.9	3.9	2.9	2.9	3.9	9.7	10.7	21.4	20.4
105°	1.0	1.0	1.9	1.9	1.9	1.0	1.0	3.9	4.9	8.7	8.7
107.5°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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	1.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9
2.5°	508.9	506.0	501.2	496.3	493.4	490.5	485.6	481.7	481.7	486.6	486.6
5°	510.9	505.0	495.3	491.5	486.6	479.8	472.0	466.2	463.3	467.2	468.1
7.5°	515.7	507.0	497.3	488.5	472.0	459.4	452.6	444.8	443.9	447.7	449.7
10°	511.8	503.1	491.5	474.9	457.5	447.7	435.1	425.4	425.4	422.5	424.4
12.5°	515.7	504.1	480.8	463.3	447.7	426.4	410.8	401.1	400.2	403.1	403.1
15°	525.4	508.0	477.9	456.5	431.2	409.9	394.3	383.6	386.6	380.7	381.7
17.5°	537.1	510.9	477.9	440.9	412.8	392.4	371.0	358.4	359.4	360.3	361.3
20°	551.7	518.6	473.0	429.3	395.3	366.2	341.9	332.2	329.3	331.2	332.2
22.5°	574.0	536.1	471.1	423.5	371.0	342.8	321.5	302.1	300.1	300.1	300.1
25°	610.9	562.4	479.8	404.0	358.4	315.7	291.4	272.9	264.2	265.2	266.1
27.5°	667.2	604.1	488.5	405.0	329.3	291.4	261.3	240.9	236.0	237.0	238.0
30°	726.5	660.4	510.9	385.6	312.7	254.5	223.4	208.8	203.0	200.1	201.0
32.5°	772.1	710.0	542.0	379.8	282.6	214.6	195.2	183.6	175.8	172.9	172.9
35°	845.0	758.5	567.2	365.2	251.6	189.4	173.9	161.2	157.3	155.4	155.4
37.5°	907.1	812.0	593.4	359.4	213.7	170.0	150.5	142.8	142.8	140.8	139.9
40°	974.2	868.3	608.0	341.9	184.5	149.6	130.1	129.2	132.1	132.1	132.1
42.5°	1054.8	926.6	623.5	321.5	162.2	126.3	115.6	123.3	130.1	132.1	132.1
45°	1115.0	963.5	630.3	277.8	139.9	109.8	113.6	121.4	130.1	133.1	132.1
47.5°	1166.5	1016.9	620.6	224.4	120.4	106.8	111.7	118.5	129.2	133.1	133.1
50°	1217.9	1062.5	613.8	162.2	112.7	106.8	111.7	114.6	126.3	131.1	131.1
52.5°	1293.7	1098.5	586.6	136.0	106.8	107.8	113.6	113.6	124.3	130.1	133.1
55°	1390.8	1181.0	535.2	127.2	104.9	106.8	114.6	114.6	122.4	128.2	130.1
57.5°	1430.6	1210.2	446.8	119.5	103.0	106.8	111.7	113.6	123.3	127.2	126.3
60°	1483.1	1257.8	366.2	111.7	99.1	104.9	107.8	114.6	122.4	123.3	122.4
62.5°	1511.3	1263.6	303.0	103.9	96.2	102.0	103.0	110.7	118.5	121.4	122.4
65°	1526.8	1257.8	224.4	96.2	93.2	98.1	99.1	105.9	113.6	115.6	116.5
67.5°	1470.5	1217.9	155.4	88.4	90.3	93.2	95.2	102.0	107.8	113.6	115.6
70°	1369.5	1102.4	110.7	78.7	85.5	88.4	92.3	99.1	104.9	112.7	114.6
72.5°	1257.8	887.7	81.6	67.0	78.7	82.6	89.4	94.2	103.0	112.7	115.6
75°	1152.9	778.9	65.1	57.3	67.0	75.8	84.5	91.3	103.9	137.9	142.8
77.5°	817.8	526.4	58.3	50.5	57.3	66.0	77.7	89.4	144.7	164.1	165.1
80°	593.4	309.8	52.4	44.7	49.5	53.4	70.9	109.8	160.3	151.5	151.5
82.5°	297.2	166.1	49.5	39.8	42.7	43.7	63.1	139.9	129.2	135.0	136.0
85°	143.7	80.6	40.8	35.0	36.9	35.9	59.2	133.1	122.4	123.3	121.4
87.5°	90.3	49.5	32.1	29.1	30.1	29.1	56.3	127.2	128.2	104.9	106.8
90°	81.6	58.3	25.3	23.3	20.4	24.3	50.5	118.5	125.3	75.8	63.1
92.5°	78.7	63.1	18.5	16.5	14.6	19.4	37.9	96.2	76.7	32.1	19.4
95°	69.9	55.4	15.5	11.7	13.6	16.5	24.3	64.1	51.5	0.0	0.0
97.5°	52.4	40.8	12.6	7.8	43.7	14.6	13.6	41.8	14.6	0.0	0.0
100°	33.0	25.3	9.7	5.8	49.5	9.7	8.7	24.3	0.0	0.0	0.0
102.5°	18.5	13.6	4.9	3.9	21.4	4.9	5.8	5.8	0.0	0.0	0.0
105°	7.8	6.8	1.9	1.9	1.9	1.0	2.9	0.0	0.0	0.0	0.0
107.5°	1.9	2.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C013-D-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.0	1.0	1.0	1.0	1.0	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)