

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: P691104

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2629 lumens
Efficiency: N/A
Efficacy: 128.9 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

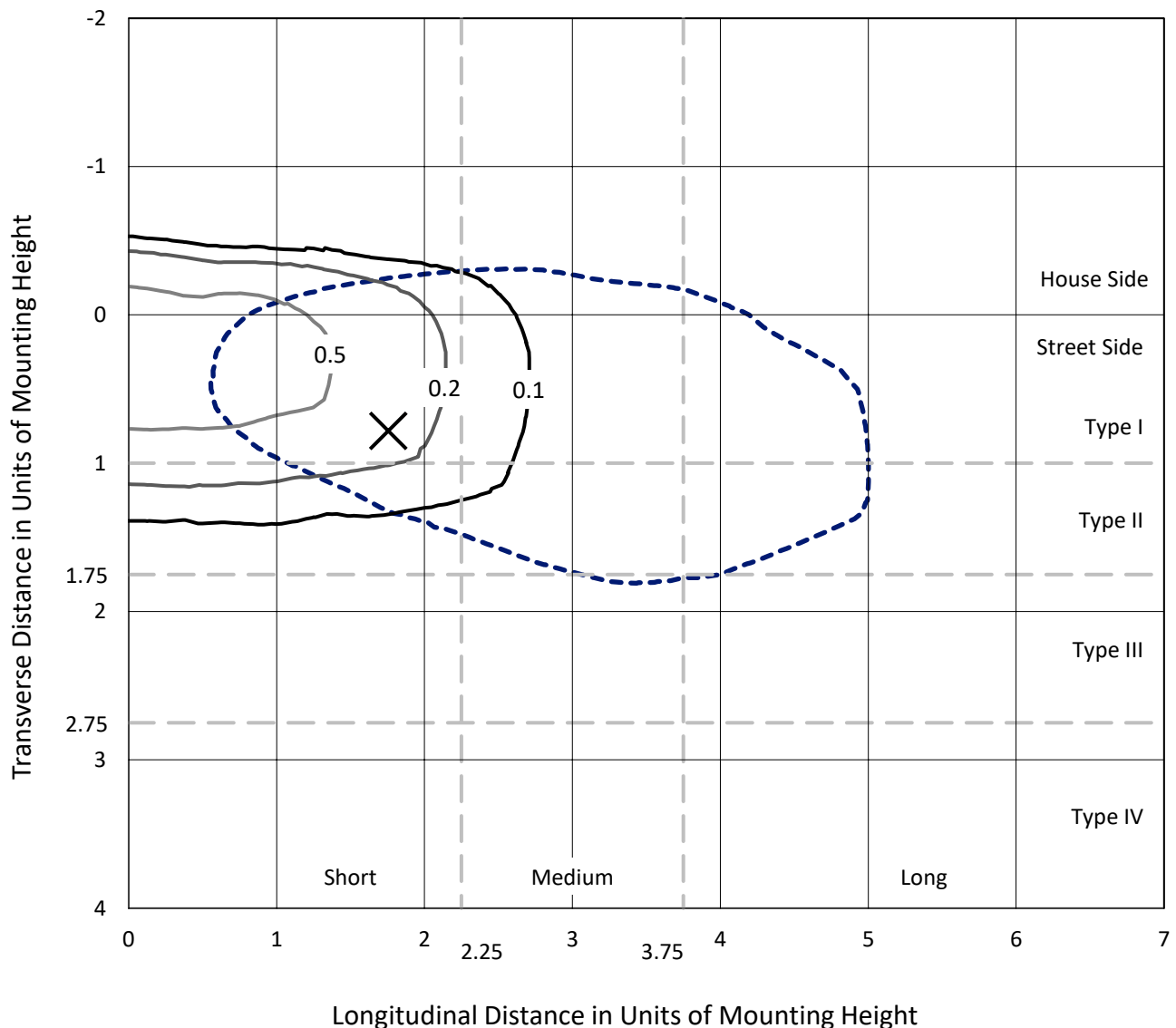


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Iso-Footcandle Lines of Horizontal Illumination

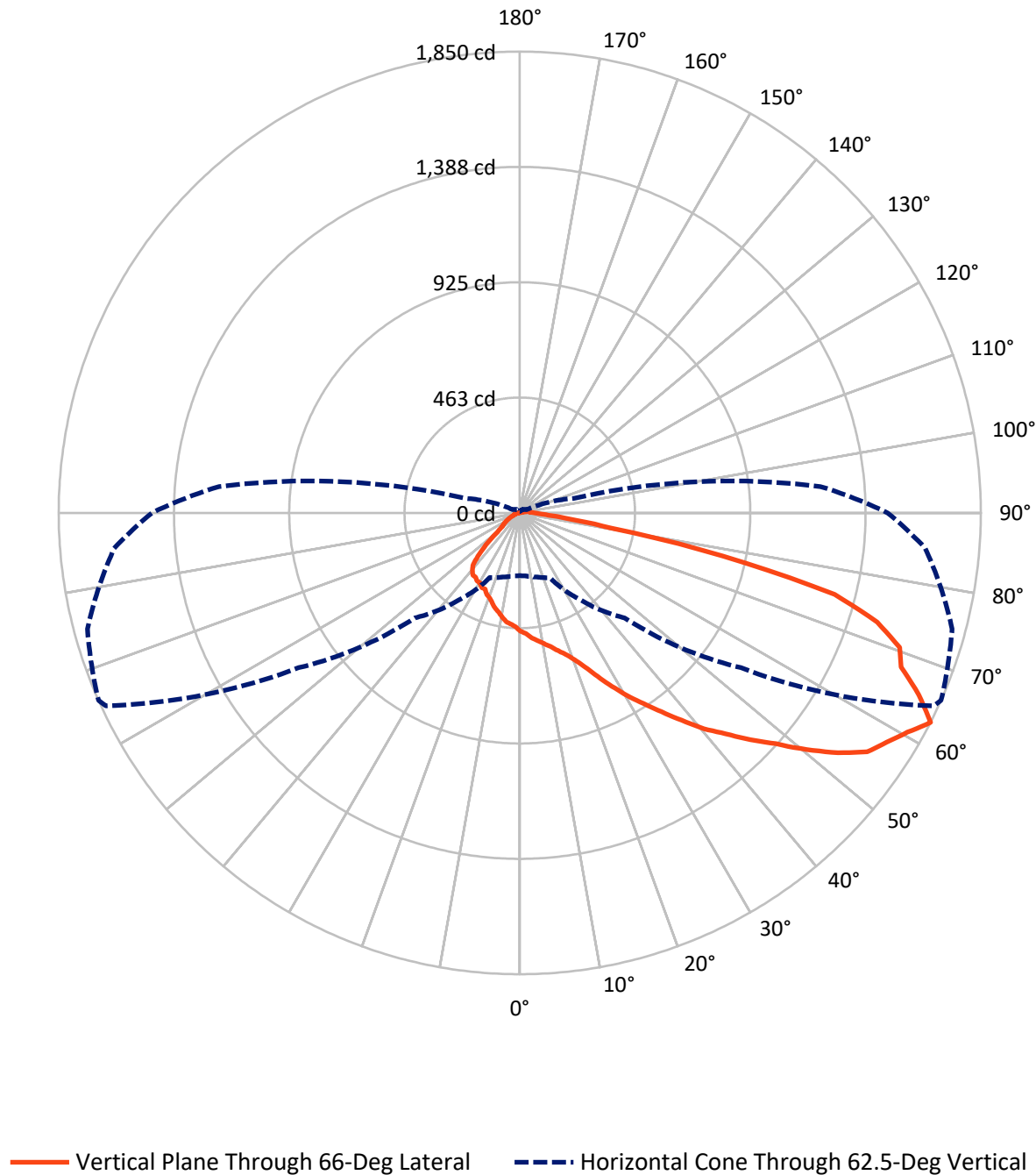
× Max cd
 - - - 1/2 Max cd



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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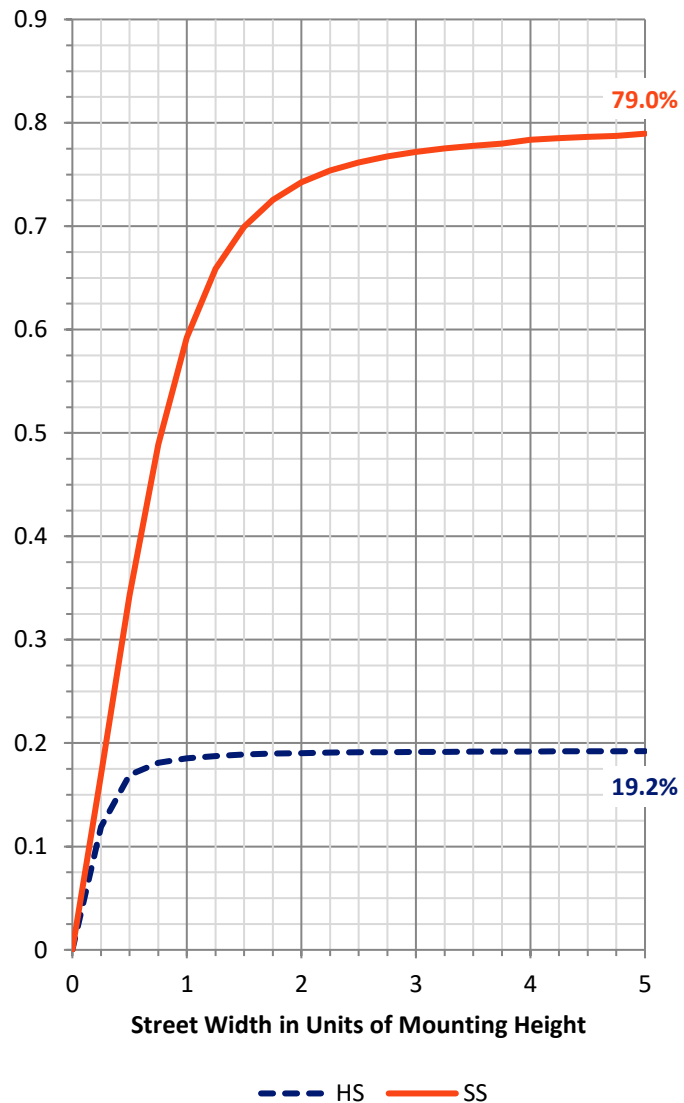
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	512.6	7.3	519.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2089.2	20.0	2109.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	2601.7	27.3	2629.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	1.7
10°-20°	132.3	5.0
20°-30°	222.6	8.5
30°-40°	331.0	12.6
40°-50°	437.9	16.7
50°-60°	509.9	19.4
60°-70°	509.1	19.4
70°-80°	341.6	13.0
80°-90°	72.2	2.7
90°-100°	22.0	0.8
100°-110°	3.8	0.1
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°	2601.7	99.0
0°-180°	2629.0	100.0

Coefficient of Utilization



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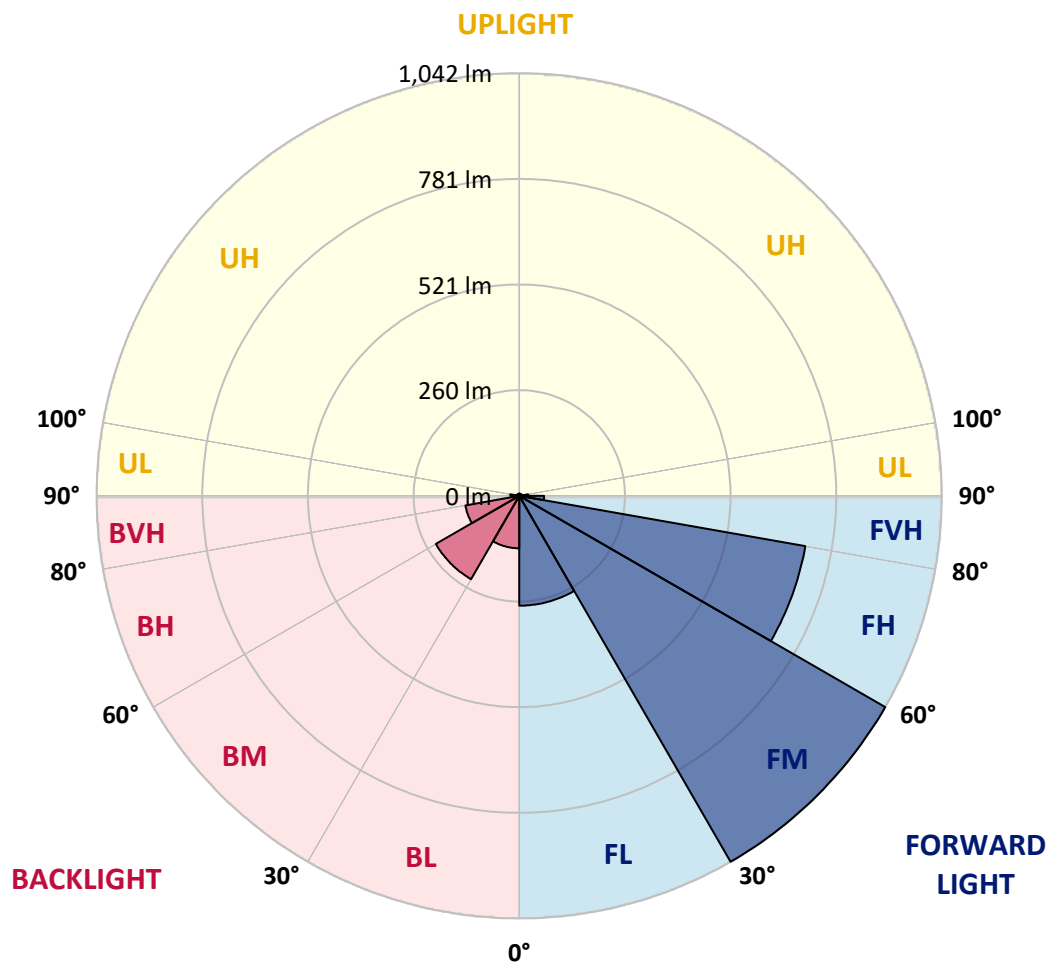
CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.7	10.3			
FM	(30°-60°)	1041.5	39.6			
FH	(60°-80°)	715.9	27.2			G1/1800
FVH	(80°-90°)	61.1	2.3			G1/100
BL	(0°-30°)	129.3	4.9	B1/500		
BM	(30°-60°)	237.3	9.0	B1/1000		
BH	(60°-80°)	134.8	5.1	B1/500		G1/500
BVH	(80°-90°)	11.1	0.4			G1/100
UL	(90°-100°)	22.0	0.8		U2/50	
UH	(100°-180°)	5.3	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°	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0
2.5°	507.0	504.1	505.1	500.2	495.4	492.5	489.5	484.7	484.7	480.8	476.0
5°	543.0	543.9	543.0	537.1	531.3	522.6	511.9	503.1	503.1	494.4	482.8
7.5°	567.3	566.3	566.3	559.5	555.6	550.7	538.1	518.7	517.7	506.1	491.5
10°	577.0	577.9	581.8	572.1	568.2	561.4	554.6	535.2	533.3	513.8	490.5
12.5°	598.3	599.3	597.4	589.6	584.7	579.9	569.2	552.7	550.7	529.4	497.3
15°	623.6	623.6	620.7	612.9	610.0	603.2	590.6	575.0	573.1	548.8	509.9
17.5°	637.2	639.1	639.1	628.4	629.4	626.5	619.7	599.3	596.4	574.1	527.4
20°	644.0	645.0	646.9	646.9	645.9	645.0	648.8	630.4	628.4	602.2	547.8
22.5°	663.4	665.4	670.2	667.3	670.2	674.1	675.1	674.1	671.2	643.0	581.8
25°	672.2	678.0	684.8	693.5	702.3	708.1	721.7	728.5	726.6	699.4	635.2
27.5°	662.4	668.3	692.6	709.1	736.3	752.8	778.0	788.7	787.7	765.4	690.6
30°	679.0	680.9	691.6	714.9	749.9	795.5	830.5	847.0	850.9	830.5	748.9
32.5°	654.7	661.5	691.6	735.3	787.7	836.3	870.3	907.2	912.1	903.3	825.6
35°	652.7	657.6	674.1	721.7	788.7	879.1	925.7	976.2	980.1	983.0	903.3
37.5°	625.5	632.3	665.4	725.6	817.9	907.2	972.3	1045.1	1054.9	1066.5	968.4
40°	595.4	600.3	628.4	692.6	811.1	940.2	1017.0	1128.7	1138.4	1153.0	1054.9
42.5°	550.7	561.4	609.0	678.0	807.2	950.0	1061.7	1202.5	1211.2	1231.6	1127.7
45°	510.9	515.8	552.7	628.4	776.1	967.4	1099.5	1289.0	1297.7	1307.4	1185.0
47.5°	479.8	485.7	520.6	588.6	745.0	963.6	1134.5	1374.4	1384.1	1406.5	1255.9
50°	380.8	395.3	483.7	549.8	693.5	955.8	1164.6	1469.6	1492.0	1500.7	1329.7
52.5°	327.3	332.2	377.8	514.8	643.0	927.6	1190.8	1573.6	1598.8	1582.3	1428.8
55°	305.0	307.9	330.3	445.8	597.4	870.3	1212.2	1673.6	1692.1	1639.6	1501.7
57.5°	288.5	293.3	303.1	361.3	543.9	774.1	1213.2	1729.0	1735.8	1687.2	1536.6
60°	267.1	269.1	289.5	314.7	483.7	674.1	1180.2	1757.1	1787.2	1742.6	1607.5
62.5°	251.6	253.5	266.1	286.5	426.4	595.4	1083.0	1831.9	1850.4	1796.0	1633.8
65°	232.1	235.1	245.7	266.1	386.6	547.8	1034.5	1812.5	1759.1	1783.4	1663.9
67.5°	211.7	213.7	225.3	240.9	329.3	502.2	914.0	1689.1	1650.3	1720.2	1583.3
70°	190.4	192.3	203.0	213.7	271.0	445.8	761.5	1584.2	1617.3	1621.1	1507.5
72.5°	168.0	170.0	179.7	188.4	224.4	374.9	605.1	1479.3	1499.7	1440.5	1331.7
75°	145.7	146.7	154.4	163.2	186.5	302.1	433.2	1226.8	1304.5	1376.4	1149.1
77.5°	117.5	119.5	127.2	130.2	149.6	243.8	280.7	729.5	831.5	1204.4	1031.6
80°	86.4	87.4	95.2	94.2	111.7	177.8	176.8	346.8	373.0	744.0	757.6
82.5°	57.3	59.3	66.1	64.1	75.8	107.8	110.7	186.5	199.1	288.5	332.2
85°	45.7	46.6	50.5	46.6	50.5	54.4	61.2	112.7	114.6	171.0	170.0
87.5°	36.9	37.9	41.8	38.9	39.8	41.8	48.6	71.9	73.8	107.8	111.7
90°	29.1	30.1	35.0	32.1	32.1	35.0	40.8	53.4	56.3	84.5	91.3
92.5°	19.4	19.4	22.3	21.4	21.4	25.3	35.9	39.8	42.7	78.7	82.6
95°	14.6	14.6	15.5	15.5	15.5	18.5	27.2	37.9	41.8	76.7	74.8
97.5°	9.7	9.7	10.7	10.7	10.7	11.7	15.5	31.1	35.0	62.2	61.2
100°	6.8	6.8	6.8	5.8	5.8	5.8	8.7	20.4	23.3	39.8	39.8
102.5°	4.9	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	3.9	8.7	8.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.0
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	1.0
155°	0.0	0.0	0.0	0.0	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	1.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0
2.5°	473.0	470.1	463.3	457.5	452.6	447.8	440.0	437.1	435.2	438.1	438.1
5°	476.0	468.2	456.5	446.8	438.1	427.4	415.7	408.9	403.1	406.0	406.0
7.5°	480.8	470.1	455.6	439.0	416.7	398.2	383.7	374.9	370.1	373.0	374.9
10°	477.9	466.2	446.8	421.6	395.3	375.9	357.4	343.9	339.0	337.1	339.0
12.5°	480.8	467.2	434.2	404.1	378.8	347.7	325.4	310.8	305.0	305.0	305.0
15°	490.5	470.1	426.4	391.4	352.6	322.5	299.2	283.6	281.7	274.9	274.9
17.5°	504.1	473.0	423.5	372.0	329.3	298.2	271.0	255.5	250.6	251.6	251.6
20°	517.7	478.9	417.7	355.5	307.9	271.0	242.8	228.3	216.6	212.7	214.7
22.5°	541.0	495.4	412.8	346.8	283.6	248.7	217.6	193.3	173.9	168.0	165.1
25°	575.0	521.6	419.6	326.4	269.1	223.4	186.5	152.5	129.2	123.4	122.4
27.5°	637.2	562.4	427.4	326.4	245.7	201.1	148.6	112.7	94.2	88.4	90.3
30°	695.5	617.8	449.7	308.9	236.0	161.2	110.7	84.5	68.0	61.2	63.1
32.5°	744.0	670.2	480.8	305.0	207.9	119.5	80.6	59.3	47.6	43.7	44.7
35°	814.0	714.9	505.1	291.4	171.0	87.4	56.3	41.8	36.9	35.0	35.0
37.5°	881.0	769.3	529.4	288.5	126.3	64.1	37.9	34.0	33.0	30.1	30.1
40°	945.1	824.7	540.1	272.0	89.4	41.8	32.1	31.1	30.1	27.2	27.2
42.5°	1023.8	878.1	549.8	250.6	62.2	31.1	28.2	29.1	28.2	25.3	24.3
45°	1084.0	914.0	552.7	196.2	39.8	29.1	26.2	27.2	26.2	23.3	23.3
47.5°	1134.5	962.6	541.0	134.0	33.0	27.2	24.3	25.3	24.3	22.3	21.4
50°	1186.0	1007.3	530.3	71.9	31.1	26.2	23.3	21.4	22.3	20.4	19.4
52.5°	1255.9	1040.3	502.2	43.7	29.1	24.3	21.4	19.4	19.4	17.5	18.5
55°	1352.1	1121.9	449.7	40.8	28.2	23.3	20.4	17.5	17.5	15.5	15.5
57.5°	1394.8	1153.9	365.2	36.9	27.2	23.3	18.5	15.5	13.6	12.6	11.7
60°	1447.3	1201.5	287.5	34.0	25.3	22.3	16.5	13.6	10.7	9.7	9.7
62.5°	1476.4	1211.2	224.4	31.1	24.3	19.4	14.6	10.7	8.7	6.8	6.8
65°	1491.0	1204.4	149.6	28.2	22.3	18.5	12.6	8.7	5.8	4.9	4.9
67.5°	1435.6	1168.5	86.4	26.2	21.4	16.5	10.7	6.8	4.9	3.9	2.9
70°	1341.4	1063.6	54.4	23.3	20.4	14.6	9.7	5.8	3.9	2.9	1.9
72.5°	1230.7	868.4	39.8	21.4	19.4	12.6	7.8	4.9	2.9	1.9	1.9
75°	1123.8	756.7	34.0	18.5	16.5	10.7	6.8	3.9	2.9	1.9	1.0
77.5°	804.3	515.8	30.1	16.5	14.6	8.7	4.9	3.9	1.9	1.0	1.0
80°	571.1	303.1	27.2	13.6	11.7	6.8	4.9	2.9	1.9	1.0	1.0
82.5°	273.9	157.4	26.2	11.7	8.7	5.8	3.9	2.9	1.9	1.0	1.0
85°	124.3	67.0	19.4	10.7	7.8	5.8	3.9	2.9	1.9	1.9	1.0
87.5°	75.8	35.0	15.5	8.7	5.8	4.9	2.9	1.9	1.9	1.9	1.9
90°	70.9	45.7	11.7	6.8	4.9	3.9	2.9	1.0	0.0	0.0	0.0
92.5°	68.0	52.5	8.7	4.9	2.9	2.9	1.0	0.0	0.0	0.0	0.0
95°	64.1	49.5	9.7	2.9	4.9	1.9	1.0	0.0	0.0	0.0	0.0
97.5°	50.5	38.9	10.7	2.9	24.3	1.9	1.0	0.0	0.0	0.0	0.0
100°	32.1	24.3	7.8	2.9	29.1	1.9	0.0	0.0	0.0	0.0	0.0
102.5°	18.5	13.6	3.9	2.9	8.7	1.0	0.0	0.0	0.0	0.0	0.0
105°	7.8	6.8	1.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.9	1.9	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-HSS-CRTK2

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	1.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.9	1.0	1.0	1.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.9	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	1.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	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)