

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: P691112

Luminaire Tested: **CRTK2-C013-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691112
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-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707 lumens
Efficiency: N/A
Efficacy: 132.7 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

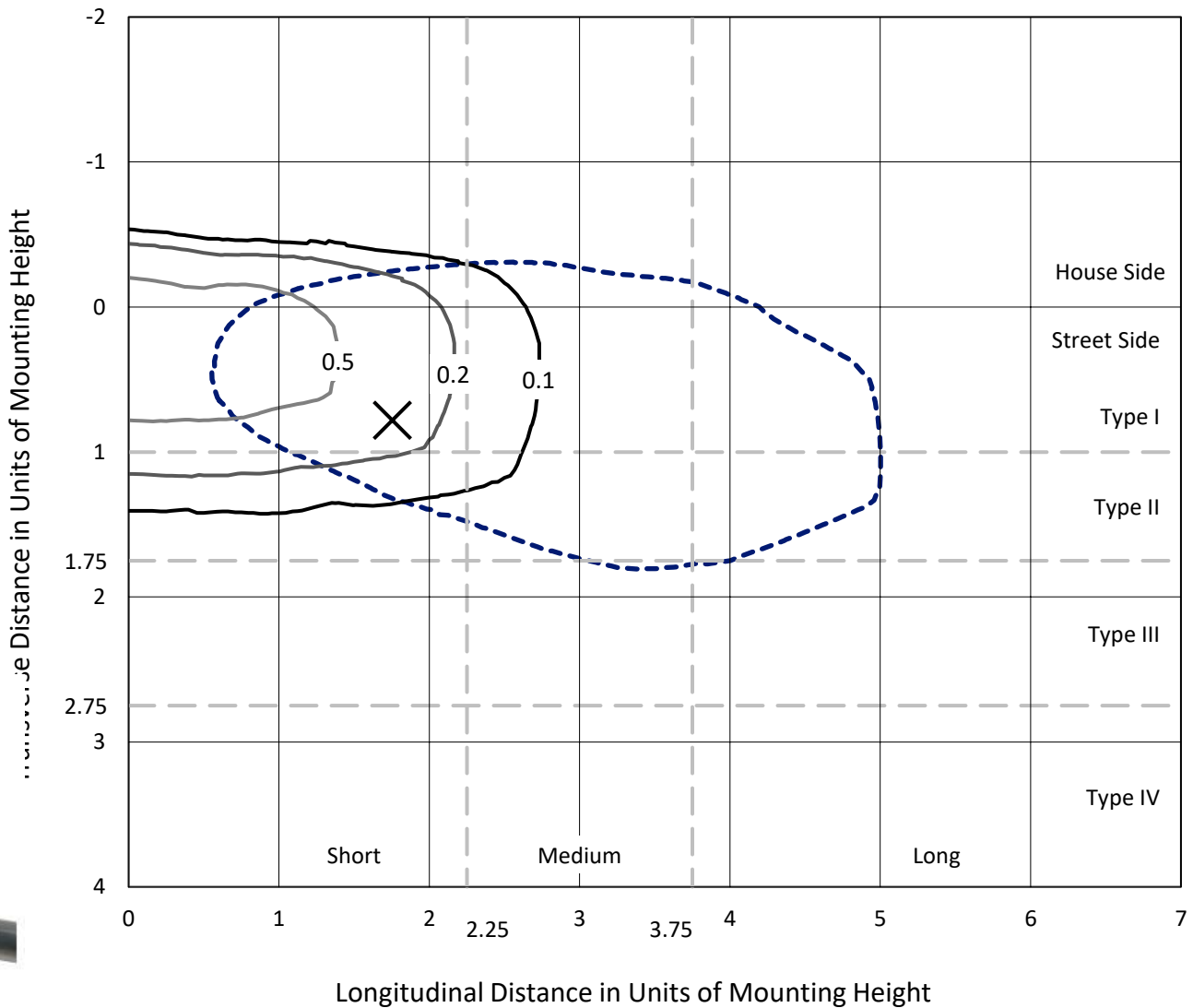


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

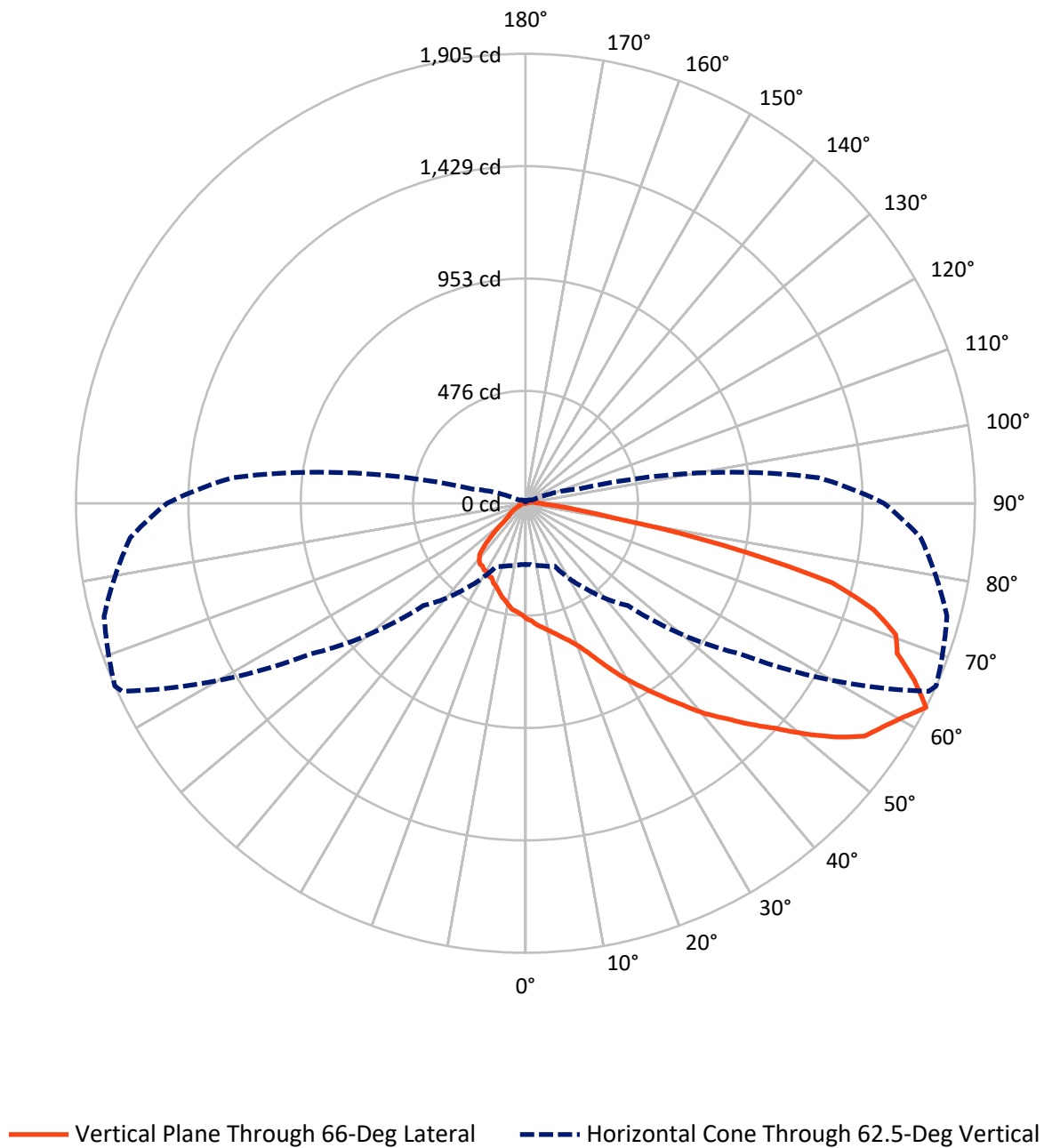


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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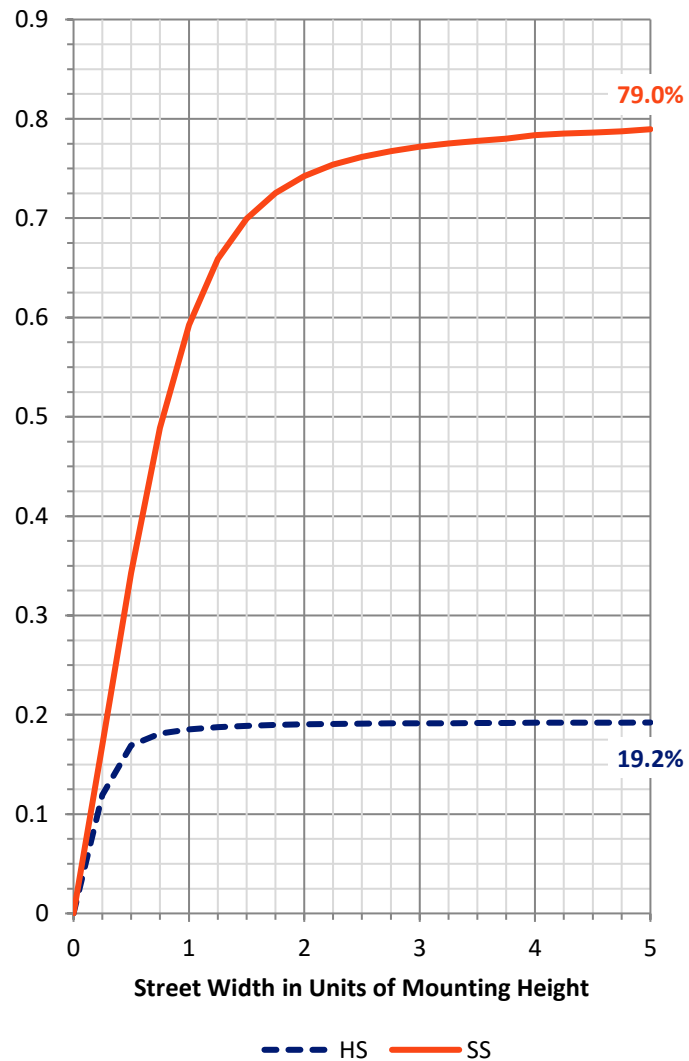
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.8	7.4	535.2
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2151.1	20.6	2171.8
	% Fixture	79.5	0.8	80.2
Total	Lumens	2678.9	28.1	2707.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	1.7
10°-20°	136.2	5.0
20°-30°	229.2	8.5
30°-40°	340.8	12.6
40°-50°	450.9	16.7
50°-60°	525.0	19.4
60°-70°	524.2	19.4
70°-80°	351.7	13.0
80°-90°	74.3	2.7
90°-100°	22.6	0.8
100°-110°	3.9	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°	2678.9	99.0
0°-180°	2707.0	100.0

Coefficient of Utilization



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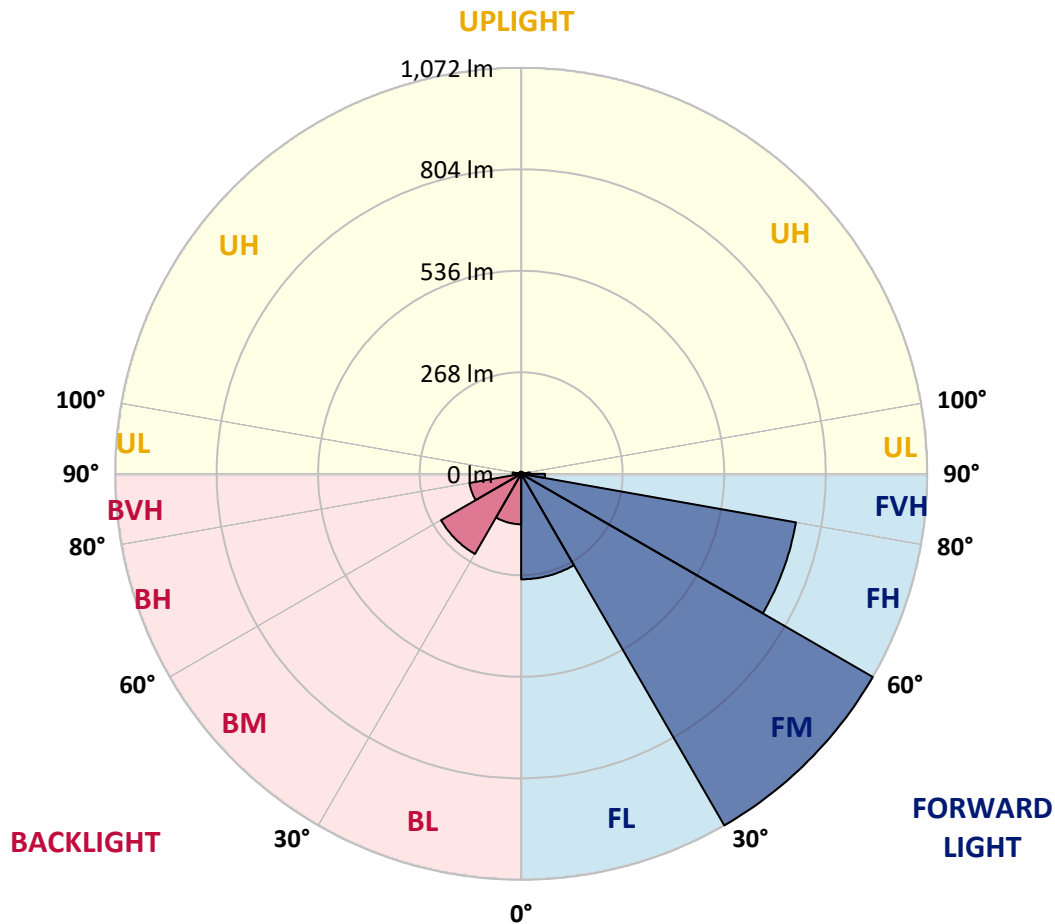
CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.7	10.3			
FM	(30°-60°)	1072.4	39.6			
FH	(60°-80°)	737.1	27.2			G1/1800
FVH	(80°-90°)	62.9	2.3			G1/100
BL	(0°-30°)	133.2	4.9	B1/500		
BM	(30°-60°)	244.4	9.0	B1/1000		
BH	(60°-80°)	138.8	5.1	B1/500		G1/500
BVH	(80°-90°)	11.4	0.4			G1/100
UL	(90°-100°)	22.6	0.8		U2/50	
UH	(100°-180°)	5.4	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°	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1
2.5°	522.1	519.1	520.1	515.1	510.1	507.1	504.1	499.1	499.1	495.1	490.1
5°	559.1	560.1	559.1	553.1	547.1	538.1	527.1	518.1	518.1	509.1	497.1
7.5°	584.1	583.1	583.1	576.1	572.1	567.1	554.1	534.1	533.1	521.1	506.1
10°	594.1	595.1	599.1	589.1	585.1	578.1	571.1	551.1	549.1	529.1	505.1
12.5°	616.1	617.1	615.1	607.1	602.1	597.1	586.1	569.1	567.1	545.1	512.1
15°	642.1	642.1	639.1	631.1	628.1	621.1	608.1	592.1	590.1	565.1	525.1
17.5°	656.1	658.1	658.1	647.1	648.1	645.1	638.1	617.1	614.1	591.1	543.1
20°	663.1	664.1	666.1	666.1	665.1	664.1	668.1	649.1	647.1	620.1	564.1
22.5°	683.1	685.1	690.1	687.1	690.1	694.1	695.1	694.1	691.1	662.1	599.1
25°	692.1	698.1	705.1	714.1	723.1	729.1	743.1	750.1	748.1	720.1	654.1
27.5°	682.1	688.1	713.1	730.1	758.1	775.1	801.1	812.1	811.1	788.1	711.1
30°	699.1	701.1	712.1	736.1	772.1	819.1	855.1	872.1	876.1	855.1	771.1
32.5°	674.1	681.1	712.1	757.1	811.1	861.1	896.1	934.1	939.1	930.1	850.1
35°	672.1	677.1	694.1	743.1	812.1	905.1	953.1	1005.1	1009.1	1012.1	930.1
37.5°	644.1	651.1	685.1	747.1	842.1	934.1	1001.1	1076.2	1086.2	1098.2	997.1
40°	613.1	618.1	647.1	713.1	835.1	968.1	1047.2	1162.2	1172.2	1187.2	1086.2
42.5°	567.1	578.1	627.1	698.1	831.1	978.1	1093.2	1238.2	1247.2	1268.2	1161.2
45°	526.1	531.1	569.1	647.1	799.1	996.1	1132.2	1327.2	1336.2	1346.2	1220.2
47.5°	494.1	500.1	536.1	606.1	767.1	992.1	1168.2	1415.2	1425.2	1448.2	1293.2
50°	392.1	407.1	498.1	566.1	714.1	984.1	1199.2	1513.2	1536.2	1545.2	1369.2
52.5°	337.0	342.1	389.1	530.1	662.1	955.1	1226.2	1620.2	1646.2	1629.2	1471.2
55°	314.0	317.0	340.1	459.1	615.1	896.1	1248.2	1723.3	1742.3	1688.2	1546.2
57.5°	297.0	302.0	312.0	372.1	560.1	797.1	1249.2	1780.3	1787.3	1737.3	1582.2
60°	275.0	277.0	298.0	324.0	498.1	694.1	1215.2	1809.3	1840.3	1794.3	1655.2
62.5°	259.0	261.0	274.0	295.0	439.1	613.1	1115.2	1886.3	1905.3	1849.3	1682.2
65°	239.0	242.0	253.0	274.0	398.1	564.1	1065.2	1866.3	1811.3	1836.3	1713.3
67.5°	218.0	220.0	232.0	248.0	339.0	517.1	941.1	1739.3	1699.3	1771.3	1630.2
70°	196.0	198.0	209.0	220.0	279.0	459.1	784.1	1631.2	1665.2	1669.2	1552.2
72.5°	173.0	175.0	185.0	194.0	231.0	386.1	623.1	1523.2	1544.2	1483.2	1371.2
75°	150.0	151.0	159.0	168.0	192.0	311.0	446.1	1263.2	1343.2	1417.2	1183.2
77.5°	121.0	123.0	131.0	134.0	154.0	251.0	289.0	751.1	856.1	1240.2	1062.2
80°	89.0	90.0	98.0	97.0	115.0	183.0	182.0	357.1	384.1	766.1	780.1
82.5°	59.0	61.0	68.0	66.0	78.0	111.0	114.0	192.0	205.0	297.0	342.1
85°	47.0	48.0	52.0	48.0	52.0	56.0	63.0	116.0	118.0	176.0	175.0
87.5°	38.0	39.0	43.0	40.0	41.0	43.0	50.0	74.0	76.0	111.0	115.0
90°	30.0	31.0	36.0	33.0	33.0	36.0	42.0	55.0	58.0	87.0	94.0
92.5°	20.0	20.0	23.0	22.0	22.0	26.0	37.0	41.0	44.0	81.0	85.0
95°	15.0	15.0	16.0	16.0	16.0	19.0	28.0	39.0	43.0	79.0	77.0
97.5°	10.0	10.0	11.0	11.0	11.0	12.0	16.0	32.0	36.0	64.0	63.0
100°	7.0	7.0	7.0	6.0	6.0	6.0	9.0	21.0	24.0	41.0	41.0
102.5°	5.0	4.0	4.0	4.0	3.0	3.0	4.0	10.0	11.0	22.0	21.0
105°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	4.0	4.0	9.0	9.0
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°	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1
2.5°	487.1	484.1	477.1	471.1	466.1	461.1	453.1	450.1	448.1	451.1	451.1
5°	490.1	482.1	470.1	460.1	451.1	440.1	428.1	421.1	415.1	418.1	418.1
7.5°	495.1	484.1	469.1	452.1	429.1	410.1	395.1	386.1	381.1	384.1	386.1
10°	492.1	480.1	460.1	434.1	407.1	387.1	368.1	354.1	349.1	347.1	349.1
12.5°	495.1	481.1	447.1	416.1	390.1	358.1	335.0	320.0	314.0	314.0	314.0
15°	505.1	484.1	439.1	403.1	363.1	332.0	308.0	292.0	290.0	283.0	283.0
17.5°	519.1	487.1	436.1	383.1	339.0	307.0	279.0	263.0	258.0	259.0	259.0
20°	533.1	493.1	430.1	366.1	317.0	279.0	250.0	235.0	223.0	219.0	221.0
22.5°	557.1	510.1	425.1	357.1	292.0	256.0	224.0	199.0	179.0	173.0	170.0
25°	592.1	537.1	432.1	336.0	277.0	230.0	192.0	157.0	133.0	127.0	126.0
27.5°	656.1	579.1	440.1	336.0	253.0	207.0	153.0	116.0	97.0	91.0	93.0
30°	716.1	636.1	463.1	318.0	243.0	166.0	114.0	87.0	70.0	63.0	65.0
32.5°	766.1	690.1	495.1	314.0	214.0	123.0	83.0	61.0	49.0	45.0	46.0
35°	838.1	736.1	520.1	300.0	176.0	90.0	58.0	43.0	38.0	36.0	36.0
37.5°	907.1	792.1	545.1	297.0	130.0	66.0	39.0	35.0	34.0	31.0	31.0
40°	973.1	849.1	556.1	280.0	92.0	43.0	33.0	32.0	31.0	28.0	28.0
42.5°	1054.2	904.1	566.1	258.0	64.0	32.0	29.0	30.0	29.0	26.0	25.0
45°	1116.2	941.1	569.1	202.0	41.0	30.0	27.0	28.0	27.0	24.0	24.0
47.5°	1168.2	991.1	557.1	138.0	34.0	28.0	25.0	26.0	25.0	23.0	22.0
50°	1221.2	1037.2	546.1	74.0	32.0	27.0	24.0	22.0	23.0	21.0	20.0
52.5°	1293.2	1071.2	517.1	45.0	30.0	25.0	22.0	20.0	20.0	18.0	19.0
55°	1392.2	1155.2	463.1	42.0	29.0	24.0	21.0	18.0	18.0	16.0	16.0
57.5°	1436.2	1188.2	376.1	38.0	28.0	24.0	19.0	16.0	14.0	13.0	12.0
60°	1490.2	1237.2	296.0	35.0	26.0	23.0	17.0	14.0	11.0	10.0	10.0
62.5°	1520.2	1247.2	231.0	32.0	25.0	20.0	15.0	11.0	9.0	7.0	7.0
65°	1535.2	1240.2	154.0	29.0	23.0	19.0	13.0	9.0	6.0	5.0	5.0
67.5°	1478.2	1203.2	89.0	27.0	22.0	17.0	11.0	7.0	5.0	4.0	3.0
70°	1381.2	1095.2	56.0	24.0	21.0	15.0	10.0	6.0	4.0	3.0	2.0
72.5°	1267.2	894.1	41.0	22.0	20.0	13.0	8.0	5.0	3.0	2.0	2.0
75°	1157.2	779.1	35.0	19.0	17.0	11.0	7.0	4.0	3.0	2.0	1.0
77.5°	828.1	531.1	31.0	17.0	15.0	9.0	5.0	4.0	2.0	1.0	1.0
80°	588.1	312.0	28.0	14.0	12.0	7.0	5.0	3.0	2.0	1.0	1.0
82.5°	282.0	162.0	27.0	12.0	9.0	6.0	4.0	3.0	2.0	1.0	1.0
85°	128.0	69.0	20.0	11.0	8.0	6.0	4.0	3.0	2.0	2.0	1.0
87.5°	78.0	36.0	16.0	9.0	6.0	5.0	3.0	2.0	2.0	2.0	2.0
90°	73.0	47.0	12.0	7.0	5.0	4.0	3.0	1.0	0.0	0.0	0.0
92.5°	70.0	54.0	9.0	5.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0
95°	66.0	51.0	10.0	3.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0
97.5°	52.0	40.0	11.0	3.0	25.0	2.0	1.0	0.0	0.0	0.0	0.0
100°	33.0	25.0	8.0	3.0	30.0	2.0	0.0	0.0	0.0	0.0	0.0
102.5°	19.0	14.0	4.0	3.0	9.0	1.0	0.0	0.0	0.0	0.0	0.0
105°	8.0	7.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	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-T2-7040-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	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	2.0	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	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)