

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: P691146

Luminaire Tested: **CRTK2-C013-D-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2518.1 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - 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



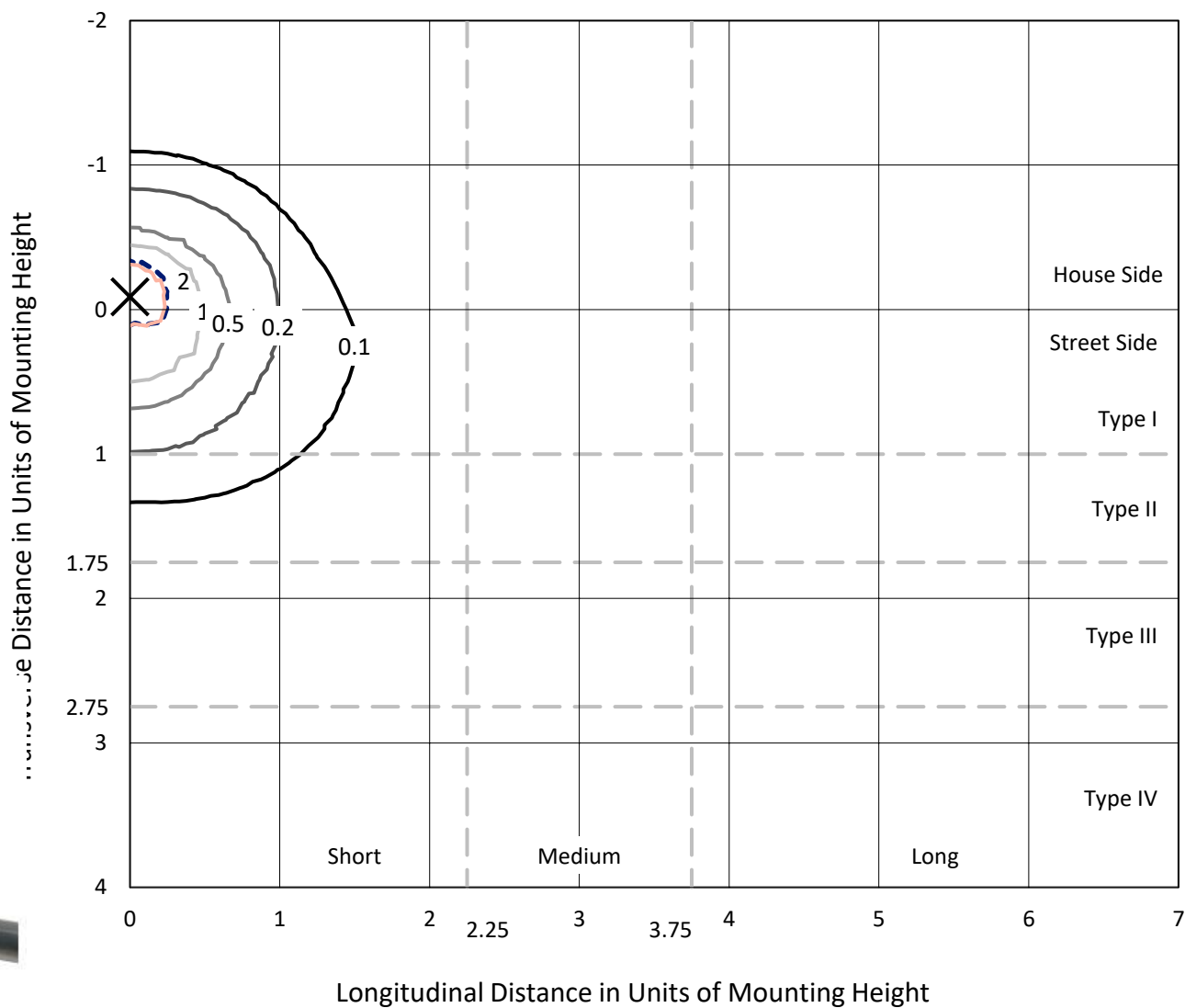
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

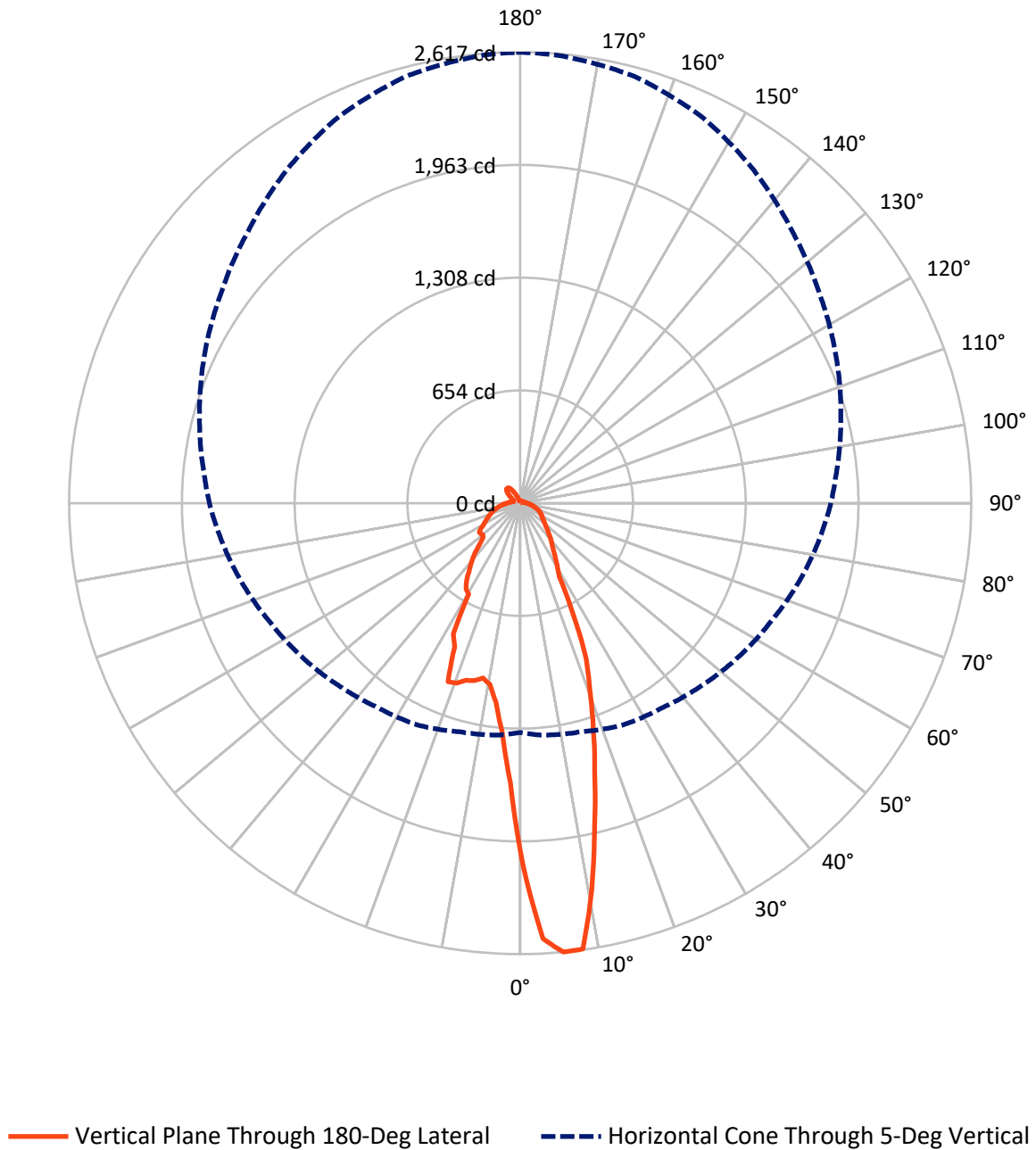


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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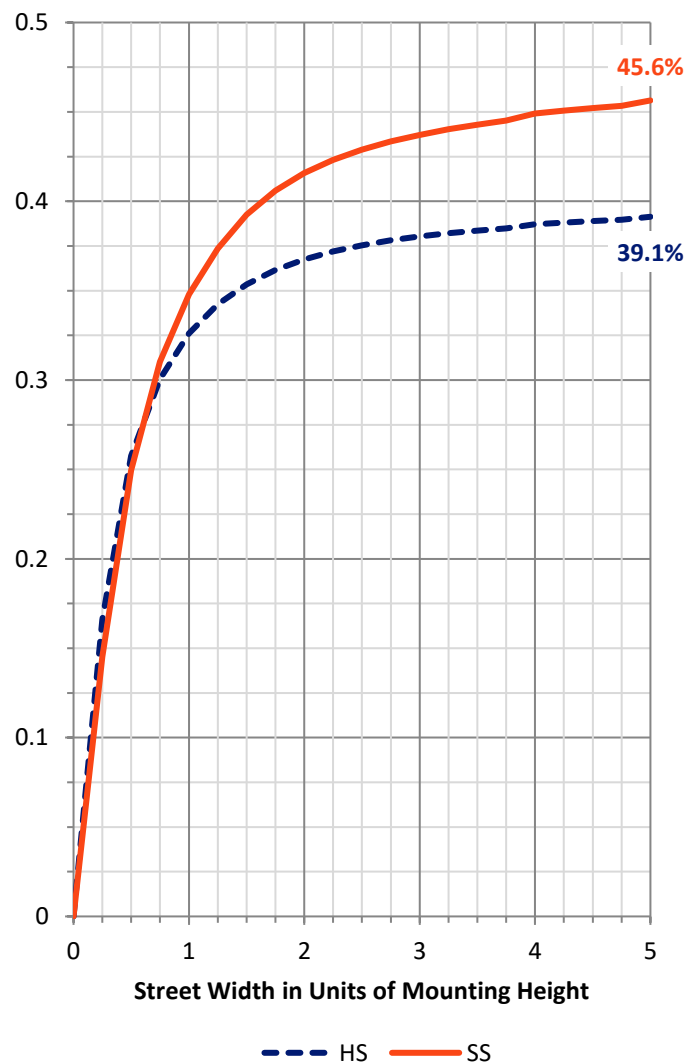
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.1	108.5	1120.6
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1181.1	216.5	1397.5
	% Fixture	46.9	8.6	55.5
Total	Lumens	2193.1	325.0	2518.1
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	6.7
10°-20°	363.0	14.4
20°-30°	399.7	15.9
30°-40°	293.7	11.7
40°-50°	246.1	9.8
50°-60°	246.9	9.8
60°-70°	211.5	8.4
70°-80°	157.6	6.3
80°-90°	105.4	4.2
90°-100°	62.6	2.5
100°-110°	36.4	1.4
110°-120°	33.8	1.3
120°-130°	49.0	1.9
130°-140°	66.0	2.6
140°-150°	53.4	2.1
150°-160°	21.1	0.8
160°-170°	2.6	0.1
170°-180°	0.0	0.0
0°-90°	2193.1	87.1
0°-180°	2518.1	100.0

Coefficient of Utilization



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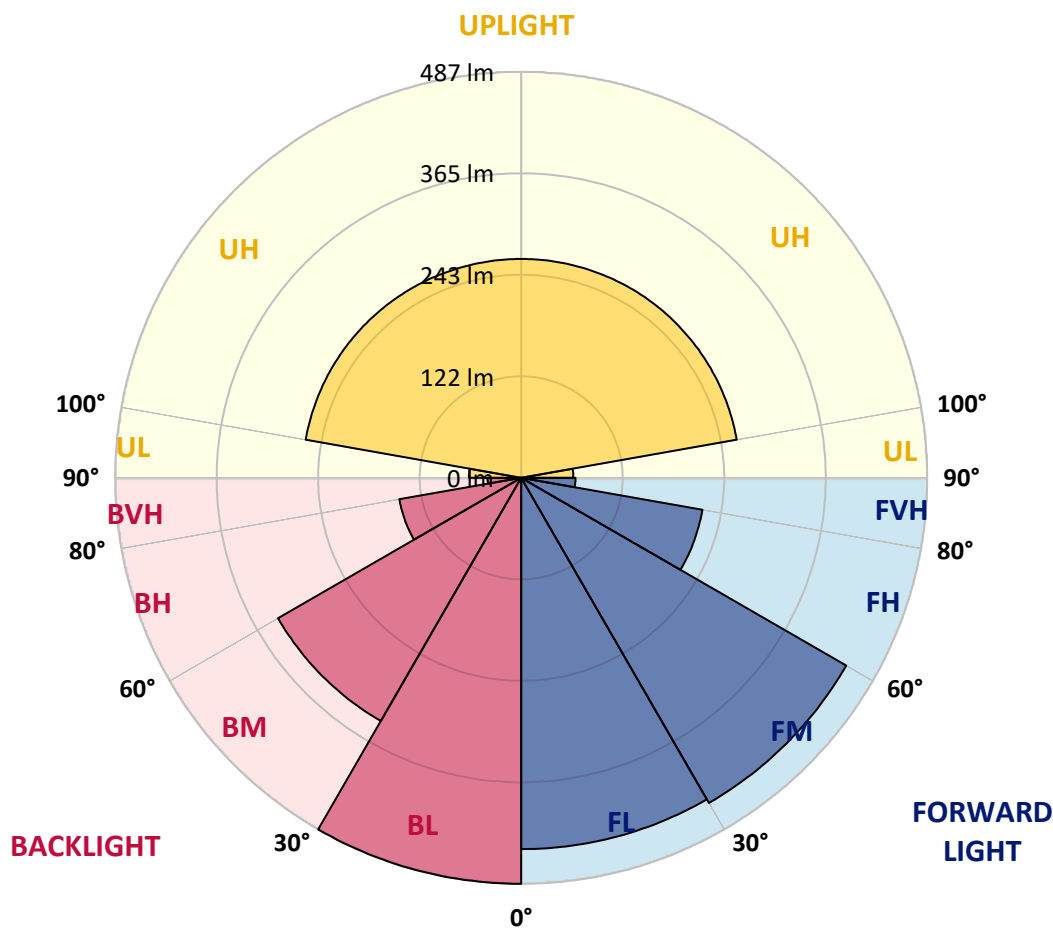
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.2	17.7			
FM	(30°-60°)	450.1	17.9			
FH	(60°-80°)	220.7	8.8			G0/660
FVH	(80°-90°)	65.1	2.6			G1/100
BL	(0°-30°)	486.8	19.3	B1/500		
BM	(30°-60°)	336.6	13.4	B1/1000		
BH	(60°-80°)	148.3	5.9	B1/500		G1/500
BVH	(80°-90°)	40.3	1.6			G1/100
UL	(90°-100°)	62.6	2.5		U3/500	
UH	(100°-180°)	262.4	10.4		U3/500	

BUG Rating: B1-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8
2.5°	1623.9	1647.8	1659.8	1695.8	1707.8	1730.8	1765.8	1800.8	1859.8	1903.8	1937.8
5°	1330.9	1350.9	1372.9	1418.9	1445.9	1493.9	1549.9	1609.9	1685.8	1762.8	1802.8
7.5°	1159.9	1164.9	1196.9	1252.9	1301.9	1352.9	1413.9	1465.9	1517.9	1580.9	1620.9
10°	1065.9	1072.9	1093.9	1136.9	1178.9	1220.9	1268.9	1308.9	1361.9	1414.9	1438.9
12.5°	1037.9	1040.9	1058.9	1083.9	1110.9	1137.9	1174.9	1210.9	1257.9	1303.9	1319.9
15°	1062.9	1062.9	1065.9	1075.9	1089.9	1110.9	1138.9	1169.9	1212.9	1246.9	1263.9
17.5°	1074.9	1075.9	1083.9	1085.9	1098.9	1107.9	1132.9	1156.9	1197.9	1225.9	1234.9
20°	1106.9	1106.9	1107.9	1112.9	1114.9	1119.9	1130.9	1143.9	1177.9	1192.9	1190.9
22.5°	1116.9	1112.9	1128.9	1157.9	1156.9	1157.9	1147.9	1150.9	1169.9	1163.9	1149.9
25°	916.9	911.9	929.9	947.9	973.9	1006.9	1088.9	1152.9	1176.9	1157.9	1126.9
27.5°	852.9	830.9	825.9	782.9	743.9	679.9	673.9	633.9	629.9	654.9	677.9
30°	605.9	606.9	605.9	601.9	598.9	601.9	604.9	597.9	599.9	615.9	608.9
32.5°	590.9	590.9	586.9	584.9	575.9	572.9	567.9	554.9	556.9	568.9	565.9
35°	550.9	548.9	549.9	545.0	529.0	516.0	514.0	503.0	503.0	510.0	507.0
37.5°	491.0	488.0	500.0	499.0	486.0	481.0	476.0	469.0	469.0	475.0	469.0
40°	444.0	442.0	455.0	459.0	451.0	453.0	454.0	448.0	454.0	455.0	447.0
42.5°	394.0	393.0	404.0	403.0	396.0	395.0	394.0	390.0	400.0	408.0	402.0
45°	335.0	332.0	340.0	343.0	341.0	338.0	337.0	337.0	343.0	347.0	341.0
47.5°	296.0	297.0	303.0	310.0	312.0	314.0	313.0	311.0	315.0	316.0	311.0
50°	283.0	284.0	293.0	301.0	307.0	311.0	311.0	308.0	311.0	308.0	301.0
52.5°	289.0	289.0	301.0	313.0	323.0	330.0	331.0	327.0	327.0	319.0	308.0
55°	291.0	293.0	309.0	329.0	347.0	366.0	375.0	372.0	375.0	358.0	340.0
57.5°	272.0	277.0	293.0	317.0	341.0	371.0	390.0	392.0	391.0	376.0	354.0
60°	247.0	251.0	262.0	283.0	306.0	330.0	349.0	353.0	357.0	350.0	330.0
62.5°	230.0	232.0	241.0	256.0	272.0	285.0	292.0	291.0	295.0	293.0	278.0
65°	215.0	216.0	226.0	238.0	248.0	261.0	263.0	263.0	266.0	262.0	250.0
67.5°	199.0	199.0	207.0	218.0	230.0	241.0	244.0	245.0	249.0	245.0	236.0
70°	185.0	185.0	192.0	201.0	210.0	221.0	224.0	225.0	230.0	225.0	216.0
72.5°	172.0	172.0	178.0	186.0	194.0	203.0	206.0	207.0	211.0	206.0	199.0
75°	158.0	159.0	164.0	171.0	178.0	186.0	190.0	190.0	193.0	187.0	181.0
77.5°	144.0	145.0	150.0	156.0	162.0	170.0	172.0	173.0	176.0	170.0	164.0
80°	130.0	132.0	136.0	141.0	147.0	153.0	157.0	157.0	159.0	153.0	149.0
82.5°	117.0	119.0	122.0	126.0	132.0	138.0	142.0	142.0	143.0	138.0	133.0
85°	104.0	106.0	109.0	112.0	117.0	123.0	127.0	127.0	128.0	123.0	119.0
87.5°	92.0	94.0	96.0	99.0	103.0	109.0	113.0	113.0	113.0	109.0	105.0
90°	80.0	81.0	83.0	86.0	90.0	95.0	98.0	99.0	99.0	94.0	92.0
92.5°	71.0	71.0	73.0	75.0	79.0	83.0	86.0	87.0	87.0	84.0	81.0
95°	61.0	62.0	63.0	65.0	68.0	71.0	75.0	75.0	75.0	73.0	71.0
97.5°	54.0	53.0	54.0	55.0	58.0	60.0	63.0	64.0	64.0	62.0	61.0
100°	46.0	47.0	47.0	48.0	49.0	50.0	52.0	53.0	53.0	52.0	52.0
102.5°	43.0	42.0	42.0	42.0	42.0	42.0	43.0	43.0	44.0	43.0	42.0
105°	40.0	40.0	40.0	40.0	39.0	39.0	39.0	39.0	38.0	37.0	37.0
107.5°	39.0	39.0	39.0	39.0	38.0	38.0	37.0	37.0	36.0	35.0	34.0
110°	39.0	39.0	39.0	39.0	38.0	37.0	37.0	36.0	35.0	34.0	33.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	41.0	41.0	41.0	41.0	39.0	38.0	37.0	37.0	35.0	34.0	33.0
115°	45.0	45.0	44.0	44.0	43.0	41.0	40.0	39.0	38.0	36.0	35.0
117.5°	49.0	49.0	49.0	49.0	48.0	46.0	44.0	43.0	42.0	39.0	38.0
120°	56.0	56.0	56.0	57.0	55.0	53.0	51.0	49.0	48.0	45.0	43.0
122.5°	65.0	64.0	66.0	67.0	66.0	63.0	60.0	58.0	56.0	52.0	50.0
125°	74.0	74.0	76.0	79.0	79.0	76.0	72.0	69.0	67.0	61.0	58.0
127.5°	85.0	85.0	88.0	93.0	94.0	91.0	87.0	83.0	80.0	72.0	69.0
130°	95.0	95.0	101.0	107.0	110.0	107.0	103.0	98.0	94.0	85.0	80.0
132.5°	103.0	104.0	111.0	119.0	123.0	122.0	117.0	113.0	109.0	98.0	92.0
135°	111.0	112.0	120.0	130.0	135.0	135.0	131.0	126.0	121.0	109.0	102.0
137.5°	115.0	116.0	126.0	136.0	142.0	144.0	142.0	137.0	132.0	119.0	110.0
140°	115.0	117.0	127.0	137.0	143.0	146.0	146.0	141.0	136.0	124.0	115.0
142.5°	112.0	114.0	123.0	133.0	139.0	143.0	144.0	140.0	135.0	123.0	114.0
145°	106.0	107.0	116.0	125.0	131.0	136.0	138.0	135.0	129.0	119.0	110.0
147.5°	96.0	96.0	104.0	111.0	119.0	124.0	127.0	125.0	120.0	111.0	103.0
150°	82.0	82.0	88.0	95.0	102.0	108.0	111.0	111.0	106.0	99.0	91.0
152.5°	65.0	66.0	70.0	76.0	83.0	88.0	92.0	92.0	89.0	83.0	76.0
155°	50.0	50.0	53.0	57.0	63.0	68.0	71.0	71.0	69.0	64.0	60.0
157.5°	36.0	36.0	38.0	42.0	46.0	50.0	53.0	53.0	51.0	48.0	45.0
160°	24.0	24.0	25.0	28.0	31.0	34.0	36.0	37.0	36.0	34.0	31.0
162.5°	13.0	13.0	14.0	16.0	18.0	21.0	22.0	23.0	23.0	21.0	20.0
165°	4.0	4.0	4.0	6.0	7.0	9.0	10.0	11.0	11.0	11.0	10.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0	3.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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°	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8	2107.8
2.5°	1969.8	2043.8	2125.8	2209.8	2295.8	2376.8	2444.8	2498.8	2527.8	2534.8	2530.8
5°	1838.8	1925.8	2021.8	2119.8	2231.8	2360.8	2478.8	2563.8	2607.8	2614.8	2616.8
7.5°	1651.8	1727.8	1821.8	1934.8	2075.8	2213.8	2395.8	2522.8	2593.8	2612.8	2612.8
10°	1454.9	1521.9	1580.9	1679.8	1802.8	1931.8	2086.8	2203.8	2275.8	2298.8	2278.8
12.5°	1343.9	1372.9	1412.9	1485.9	1562.9	1660.8	1794.8	1870.8	1917.8	1931.8	1919.8
15°	1272.9	1287.9	1304.9	1335.9	1389.9	1450.9	1529.9	1576.9	1605.9	1622.9	1616.9
17.5°	1238.9	1238.9	1235.9	1242.9	1256.9	1284.9	1338.9	1355.9	1368.9	1375.9	1371.9
20°	1186.9	1170.9	1157.9	1137.9	1129.9	1128.9	1141.9	1159.9	1158.9	1159.9	1151.9
22.5°	1134.9	1101.9	1069.9	1039.9	1005.9	988.9	976.9	982.9	977.9	982.9	977.9
25°	1109.9	1042.9	978.9	905.9	844.9	797.9	766.9	747.9	715.9	727.9	716.9
27.5°	688.9	660.9	633.9	579.9	529.0	511.0	496.0	488.0	482.0	485.0	483.0
30°	596.9	573.9	552.9	525.0	486.0	462.0	444.0	428.0	423.0	424.0	423.0
32.5°	553.9	536.0	510.0	481.0	446.0	416.0	395.0	380.0	372.0	377.0	373.0
35°	496.0	478.0	456.0	429.0	399.0	372.0	352.0	338.0	329.0	331.0	330.0
37.5°	458.0	441.0	422.0	393.0	367.0	341.0	321.0	307.0	298.0	300.0	298.0
40°	436.0	417.0	397.0	371.0	345.0	318.0	299.0	283.0	274.0	274.0	274.0
42.5°	391.0	376.0	359.0	332.0	309.0	286.0	267.0	255.0	245.0	246.0	244.0
45°	334.0	323.0	310.0	292.0	273.0	255.0	239.0	230.0	222.0	223.0	222.0
47.5°	305.0	295.0	280.0	266.0	249.0	233.0	219.0	208.0	202.0	203.0	201.0
50°	294.0	282.0	265.0	246.0	230.0	214.0	200.0	192.0	186.0	187.0	186.0
52.5°	298.0	279.0	255.0	232.0	213.0	197.0	186.0	177.0	173.0	174.0	172.0
55°	324.0	291.0	255.0	226.0	202.0	184.0	173.0	163.0	159.0	159.0	159.0
57.5°	333.0	297.0	252.0	219.0	193.0	175.0	162.0	152.0	148.0	148.0	148.0
60°	312.0	281.0	240.0	209.0	185.0	168.0	157.0	150.0	147.0	147.0	147.0
62.5°	267.0	247.0	216.0	191.0	173.0	158.0	147.0	138.0	135.0	134.0	134.0
65°	242.0	223.0	197.0	176.0	160.0	148.0	138.0	131.0	127.0	127.0	127.0
67.5°	226.0	208.0	184.0	164.0	149.0	136.0	127.0	120.0	118.0	117.0	117.0
70°	208.0	191.0	167.0	149.0	135.0	124.0	115.0	109.0	107.0	107.0	106.0
72.5°	190.0	174.0	151.0	134.0	121.0	111.0	103.0	98.0	96.0	95.0	95.0
75°	173.0	157.0	136.0	120.0	108.0	99.0	92.0	87.0	85.0	85.0	85.0
77.5°	157.0	142.0	122.0	107.0	97.0	88.0	82.0	78.0	76.0	76.0	76.0
80°	142.0	127.0	109.0	95.0	85.0	78.0	73.0	69.0	67.0	68.0	67.0
82.5°	126.0	114.0	97.0	84.0	76.0	69.0	64.0	61.0	59.0	60.0	59.0
85°	113.0	101.0	85.0	74.0	66.0	60.0	56.0	53.0	51.0	52.0	51.0
87.5°	100.0	89.0	75.0	65.0	58.0	53.0	48.0	46.0	45.0	45.0	44.0
90°	86.0	76.0	64.0	56.0	49.0	45.0	41.0	39.0	38.0	37.0	37.0
92.5°	76.0	68.0	57.0	50.0	44.0	41.0	37.0	35.0	34.0	34.0	34.0
95°	67.0	60.0	51.0	45.0	41.0	37.0	34.0	33.0	32.0	32.0	31.0
97.5°	58.0	52.0	46.0	41.0	37.0	34.0	31.0	30.0	29.0	29.0	29.0
100°	49.0	45.0	40.0	36.0	33.0	31.0	28.0	27.0	26.0	26.0	26.0
102.5°	41.0	38.0	34.0	31.0	29.0	27.0	25.0	24.0	23.0	23.0	23.0
105°	36.0	33.0	31.0	28.0	26.0	24.0	23.0	21.0	20.0	20.0	20.0
107.5°	33.0	31.0	29.0	27.0	25.0	23.0	21.0	19.0	18.0	18.0	18.0
110°	32.0	30.0	28.0	26.0	24.0	22.0	21.0	18.0	17.0	17.0	17.0

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CATALOG NUMBER: CRTK2-C013-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	32.0	31.0	29.0	27.0	25.0	23.0	21.0	17.0	16.0	16.0	16.0
115°	34.0	32.0	30.0	28.0	26.0	24.0	22.0	17.0	16.0	16.0	16.0
117.5°	37.0	35.0	32.0	30.0	28.0	25.0	22.0	18.0	16.0	16.0	16.0
120°	42.0	39.0	36.0	33.0	30.0	27.0	23.0	18.0	15.0	16.0	16.0
122.5°	48.0	45.0	40.0	36.0	33.0	29.0	24.0	19.0	15.0	16.0	16.0
125°	56.0	52.0	46.0	41.0	36.0	31.0	25.0	19.0	15.0	16.0	17.0
127.5°	65.0	59.0	52.0	45.0	39.0	33.0	27.0	20.0	15.0	17.0	17.0
130°	75.0	68.0	59.0	50.0	43.0	35.0	28.0	20.0	16.0	16.0	16.0
132.5°	86.0	76.0	64.0	54.0	45.0	36.0	28.0	20.0	16.0	16.0	16.0
135°	94.0	82.0	69.0	57.0	47.0	37.0	29.0	20.0	15.0	15.0	15.0
137.5°	101.0	87.0	73.0	59.0	48.0	37.0	28.0	19.0	15.0	14.0	14.0
140°	105.0	89.0	73.0	59.0	47.0	36.0	26.0	18.0	13.0	13.0	13.0
142.5°	105.0	88.0	72.0	57.0	44.0	34.0	25.0	16.0	12.0	12.0	12.0
145°	101.0	84.0	68.0	54.0	41.0	31.0	22.0	15.0	11.0	11.0	11.0
147.5°	94.0	77.0	62.0	49.0	36.0	27.0	19.0	12.0	9.0	9.0	9.0
150°	84.0	68.0	54.0	42.0	31.0	22.0	16.0	10.0	7.0	7.0	7.0
152.5°	70.0	57.0	44.0	35.0	25.0	18.0	12.0	8.0	6.0	6.0	6.0
155°	55.0	45.0	35.0	27.0	19.0	13.0	9.0	6.0	4.0	4.0	4.0
157.5°	42.0	34.0	26.0	20.0	14.0	10.0	7.0	4.0	3.0	3.0	3.0
160°	29.0	23.0	18.0	14.0	9.0	7.0	5.0	3.0	2.0	2.0	2.0
162.5°	19.0	15.0	11.0	8.0	6.0	4.0	3.0	2.0	1.0	1.0	1.0
165°	9.0	7.0	6.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0
167.5°	3.0	2.0	2.0	1.0	1.0	1.0	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)