

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: P691549

Luminaire Tested: **CRTK2-C016-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6283 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

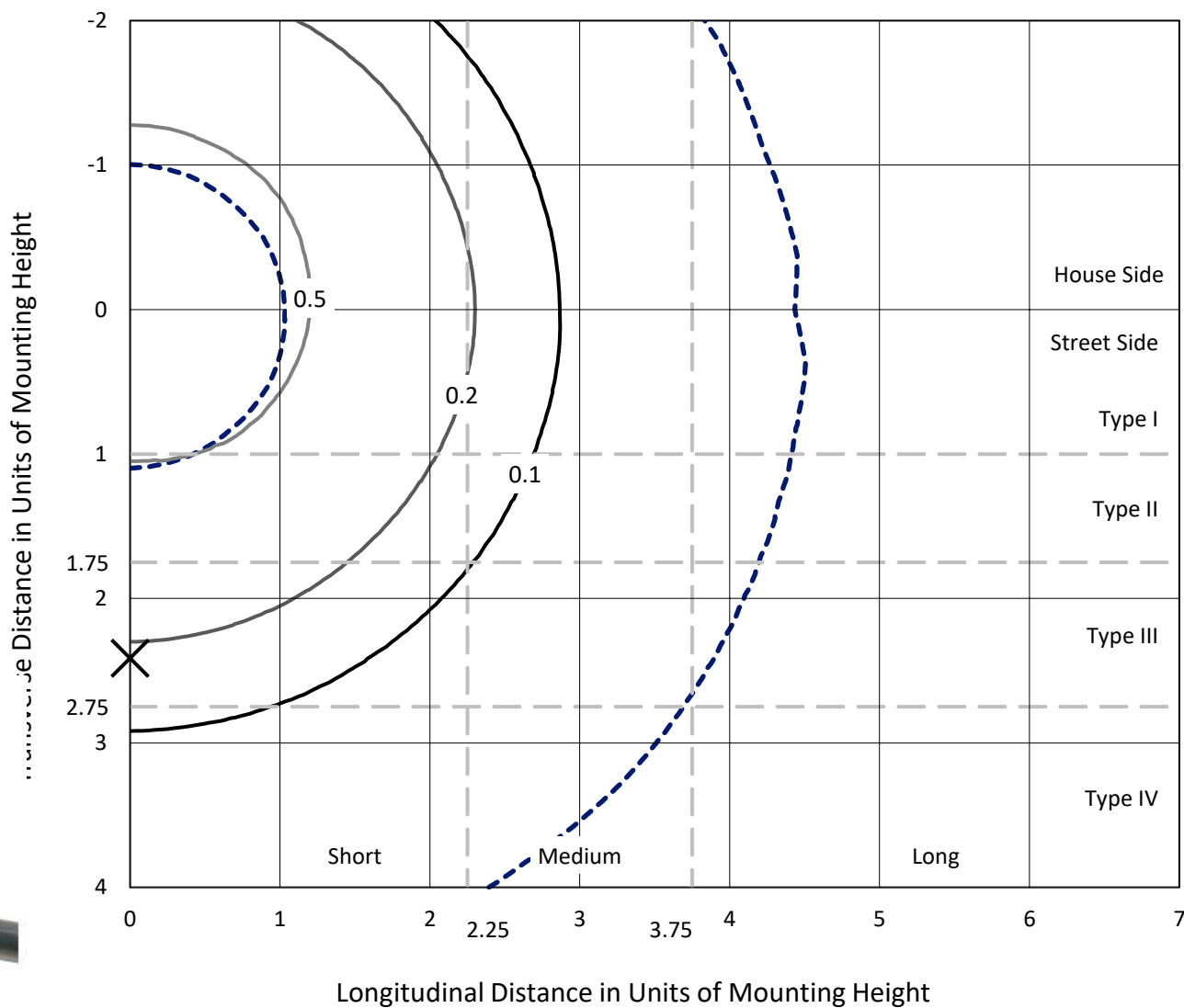
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

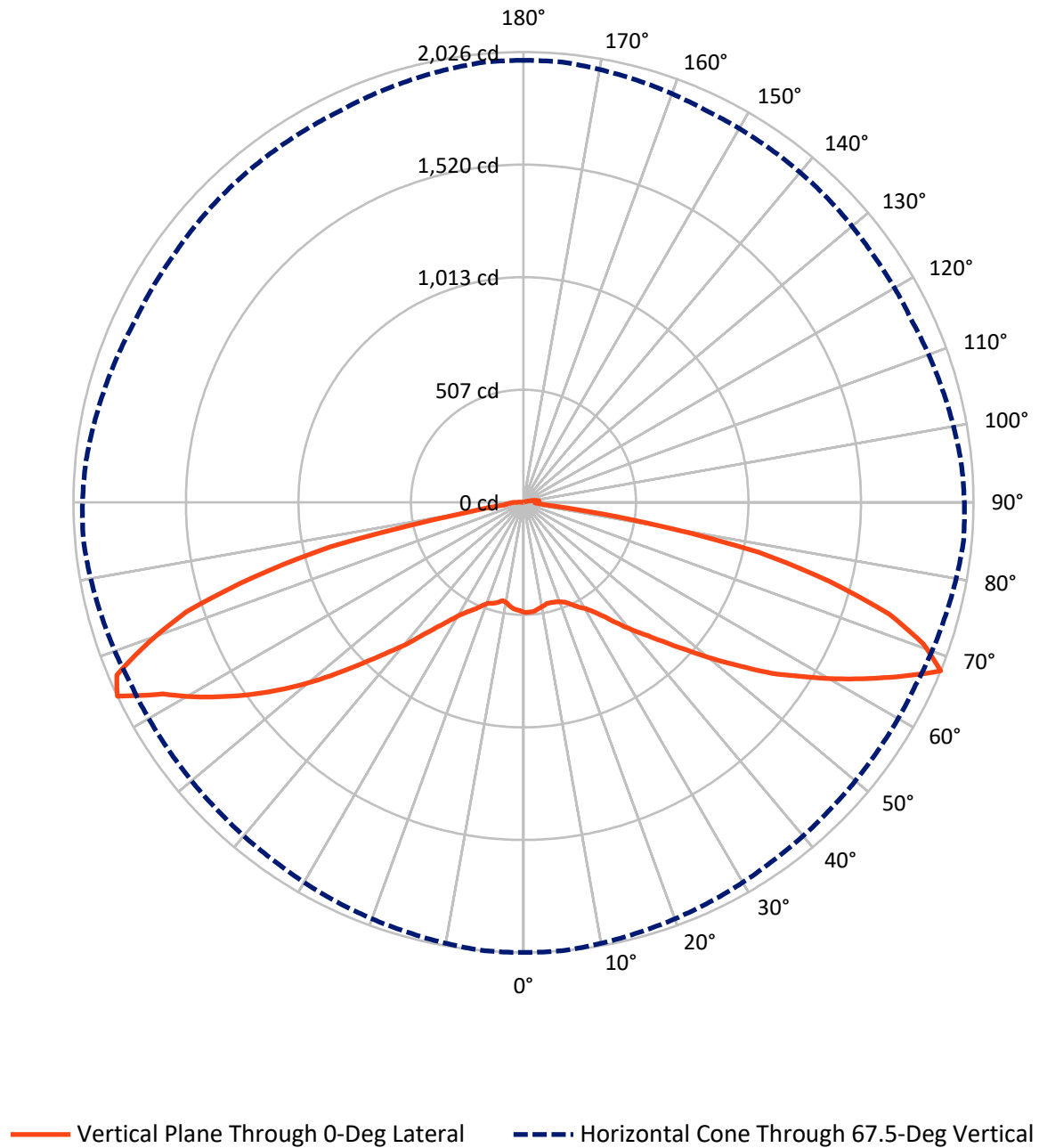
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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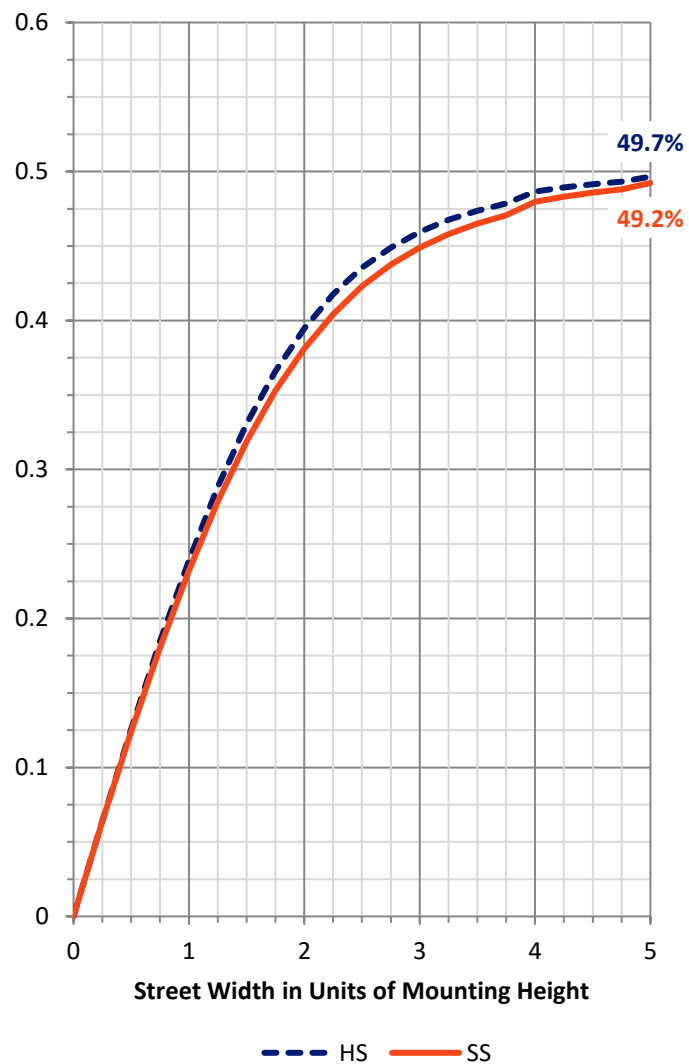
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3110.8	29.5	3140.3
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3101.0	41.7	3142.7
	% Fixture	49.4	0.7	50.0
Total	Lumens	6211.8	71.2	6283.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.7
10°-20°	136.7	2.2
20°-30°	247.1	3.9
30°-40°	426.2	6.8
40°-50°	756.1	12.0
50°-60°	1287.1	20.5
60°-70°	1844.1	29.4
70°-80°	1340.8	21.3
80°-90°	127.3	2.0
90°-100°	57.5	0.9
100°-110°	13.7	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6211.8	98.9
0°-180°	6283.0	100.0

Coefficient of Utilization



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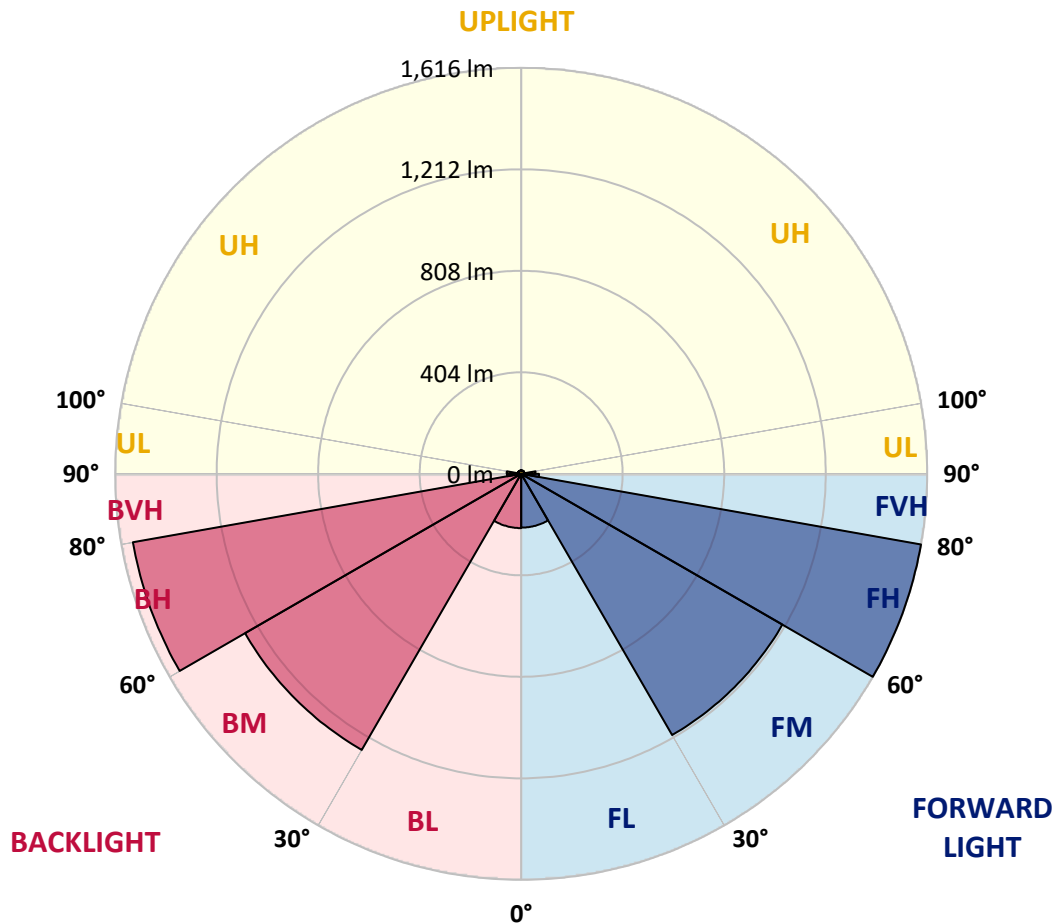
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.1	3.4			
FM	(30°-60°)	1200.4	19.1			
FH	(60°-80°)	1615.8	25.7			G1/1800
FVH	(80°-90°)	70.7	1.1			G1/100
BL	(0°-30°)	216.1	3.4	B1/500		
BM	(30°-60°)	1269.0	20.2	B2/2500		
BH	(60°-80°)	1569.1	25.0	B3/2500		G1/1800
BVH	(80°-90°)	56.6	0.9			G1/100
UL	(90°-100°)	57.5	0.9		U3/500	
UH	(100°-180°)	13.7	0.2		U2/50	

BUG Rating: B3-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3
2.5°	495.3	495.3	495.3	495.3	495.3	495.3	493.3	489.4	489.4	489.4	489.4
5°	493.3	493.3	493.3	493.3	495.3	495.3	495.3	491.4	491.4	491.4	491.4
7.5°	483.5	483.5	485.5	485.5	487.5	489.4	487.5	487.5	487.5	489.4	489.4
10°	475.7	475.7	477.7	477.7	479.6	479.6	483.5	483.5	485.5	487.5	487.5
12.5°	467.9	467.9	469.8	473.8	475.7	477.7	479.6	481.6	485.5	487.5	487.5
15°	467.9	467.9	467.9	471.8	477.7	481.6	483.5	487.5	491.4	493.3	495.3
17.5°	471.8	471.8	471.8	475.7	479.6	485.5	491.4	493.3	497.3	501.2	501.2
20°	477.7	477.7	479.6	483.5	489.4	493.3	497.3	503.1	507.0	511.0	512.9
22.5°	489.4	491.4	491.4	493.3	499.2	505.1	509.0	512.9	518.8	522.7	526.6
25°	511.0	509.0	509.0	512.9	516.8	522.7	524.7	528.6	534.4	540.3	542.3
27.5°	534.4	532.5	532.5	536.4	540.3	544.2	546.2	552.1	557.9	563.8	565.8
30°	556.0	556.0	557.9	561.9	565.8	571.6	573.6	579.5	583.4	591.2	591.2
32.5°	589.3	591.2	593.2	595.1	599.1	604.9	610.8	612.8	616.7	622.5	626.5
35°	634.3	638.2	638.2	640.2	649.9	655.8	651.9	657.8	663.7	671.5	675.4
37.5°	693.0	691.1	696.9	704.8	706.7	712.6	710.6	714.6	722.4	732.2	738.0
40°	755.7	757.6	757.6	759.6	765.5	767.4	775.2	781.1	788.9	802.6	806.6
42.5°	820.3	824.2	828.1	830.1	839.8	841.8	847.7	855.5	865.3	875.1	879.0
45°	900.5	898.6	908.4	912.3	922.1	933.8	933.8	937.7	953.4	963.2	969.1
47.5°	996.5	1000.4	1006.2	1012.1	1027.8	1029.7	1039.5	1045.4	1055.2	1065.0	1066.9
50°	1108.0	1108.0	1113.9	1125.7	1135.5	1145.2	1151.1	1158.9	1166.8	1182.4	1190.3
52.5°	1225.5	1227.5	1235.3	1247.0	1262.7	1264.7	1270.5	1284.2	1290.1	1294.0	1307.7
55°	1358.6	1352.8	1358.6	1376.2	1393.9	1391.9	1393.9	1409.5	1419.3	1427.1	1431.1
57.5°	1480.0	1480.0	1485.9	1499.6	1503.5	1509.4	1511.3	1525.0	1536.8	1546.6	1548.5
60°	1613.1	1611.2	1615.1	1626.8	1640.5	1640.5	1638.6	1652.3	1664.0	1666.0	1679.7
62.5°	1746.3	1740.4	1744.3	1752.1	1760.0	1752.1	1760.0	1771.7	1781.5	1789.3	1793.2
65°	1885.2	1877.4	1879.4	1871.5	1859.8	1850.0	1867.6	1900.9	1930.3	1945.9	1947.9
67.5°	2026.2	2026.2	2004.7	1985.1	1965.5	1953.8	1947.9	1947.9	1967.5	1989.0	1985.1
70°	1910.7	1914.6	1897.0	1883.3	1852.0	1842.2	1836.3	1816.7	1826.5	1832.4	1818.7
72.5°	1722.8	1701.2	1693.4	1687.5	1664.0	1646.4	1626.8	1613.1	1607.3	1611.2	1595.5
75°	1423.2	1466.3	1442.8	1431.1	1415.4	1407.6	1356.7	1341.0	1339.1	1354.7	1354.7
77.5°	1082.6	1106.1	1090.4	1096.3	1072.8	1068.9	1049.3	1031.7	1018.0	1014.1	974.9
80°	561.9	579.5	583.4	603.0	599.1	587.3	573.6	522.7	509.0	516.8	479.6
82.5°	101.8	105.7	107.7	109.6	101.8	105.7	107.7	97.9	103.8	101.8	97.9
85°	58.7	58.7	60.7	60.7	56.8	52.9	56.8	54.8	54.8	58.7	58.7
87.5°	50.9	52.9	54.8	54.8	48.9	45.0	48.9	48.9	50.9	52.9	52.9
90°	52.9	52.9	56.8	56.8	50.9	47.0	52.9	54.8	54.8	54.8	56.8
92.5°	70.5	68.5	70.5	70.5	64.6	60.7	68.5	68.5	68.5	68.5	70.5
95°	68.5	66.6	68.5	66.6	62.6	58.7	64.6	66.6	66.6	66.6	68.5
97.5°	58.7	58.7	58.7	58.7	52.9	50.9	58.7	58.7	56.8	56.8	58.7
100°	45.0	43.1	43.1	43.1	41.1	41.1	45.0	43.1	41.1	43.1	45.0
102.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	27.4	27.4	27.4	31.3
105°	17.6	17.6	15.7	15.7	15.7	15.7	15.7	13.7	13.7	13.7	17.6
107.5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	5.9
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°	75°	85°	90°
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	0.0
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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°	180°
0°	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3	495.3
2.5°	491.4	491.4	493.3	491.4	491.4	489.4	487.5	485.5	487.5	487.5
5°	491.4	493.3	491.4	489.4	487.5	485.5	485.5	481.6	481.6	483.5
7.5°	489.4	493.3	489.4	487.5	481.6	479.6	477.7	473.8	473.8	473.8
10°	487.5	487.5	485.5	477.7	473.8	467.9	465.9	462.0	460.1	458.1
12.5°	487.5	487.5	481.6	475.7	469.8	462.0	460.1	456.1	454.2	452.2
15°	493.3	495.3	491.4	483.5	473.8	471.8	465.9	464.0	462.0	465.9
17.5°	503.1	501.2	497.3	489.4	483.5	481.6	473.8	473.8	471.8	475.7
20°	512.9	509.0	505.1	501.2	493.3	489.4	489.4	483.5	485.5	481.6
22.5°	524.7	526.6	520.7	514.9	509.0	507.0	505.1	505.1	503.1	503.1
25°	544.2	544.2	540.3	534.4	530.5	526.6	524.7	526.6	522.7	528.6
27.5°	567.7	565.8	565.8	561.9	556.0	554.0	552.1	554.0	552.1	552.1
30°	591.2	595.1	591.2	589.3	585.3	585.3	583.4	583.4	585.3	583.4
32.5°	628.4	630.4	630.4	628.4	624.5	622.5	622.5	624.5	628.4	626.5
35°	677.4	679.3	683.2	687.1	687.1	683.2	679.3	677.4	679.3	679.3
37.5°	742.0	743.9	747.8	747.8	745.9	743.9	745.9	749.8	742.0	742.0
40°	808.5	806.6	810.5	814.4	816.4	814.4	812.4	816.4	820.3	826.1
42.5°	882.9	886.8	888.8	896.6	900.5	900.5	898.6	904.4	906.4	906.4
45°	971.0	980.8	976.9	990.6	1002.3	1004.3	998.4	1002.3	998.4	1002.3
47.5°	1072.8	1080.6	1088.5	1100.2	1106.1	1110.0	1108.0	1112.0	1115.9	1115.9
50°	1188.3	1194.2	1207.9	1223.6	1233.3	1233.3	1225.5	1233.3	1241.2	1239.2
52.5°	1309.7	1321.4	1335.1	1348.8	1356.7	1358.6	1358.6	1364.5	1362.5	1362.5
55°	1436.9	1446.7	1464.3	1472.2	1482.0	1485.9	1485.9	1487.8	1485.9	1485.9
57.5°	1558.3	1570.1	1583.8	1599.4	1609.2	1613.1	1609.2	1609.2	1609.2	1605.3
60°	1683.6	1691.4	1705.1	1716.9	1722.8	1730.6	1730.6	1728.6	1726.7	1724.7
62.5°	1799.1	1803.0	1806.9	1808.9	1814.8	1830.4	1830.4	1840.2	1840.2	1838.3
65°	1949.8	1932.2	1916.6	1920.5	1934.2	1947.9	1959.6	1998.8	2018.4	2026.2
67.5°	1979.2	1953.8	1930.3	1928.3	1936.1	1940.1	1945.9	1967.5	1989.0	1989.0
70°	1806.9	1791.3	1769.7	1779.5	1785.4	1779.5	1787.4	1801.1	1820.6	1803.0
72.5°	1583.8	1558.3	1574.0	1583.8	1574.0	1566.1	1570.1	1568.1	1581.8	1595.5
75°	1337.1	1284.2	1284.2	1284.2	1288.2	1270.5	1270.5	1272.5	1297.9	1262.7
77.5°	990.6	953.4	943.6	904.4	900.5	877.0	892.7	882.9	906.4	892.7
80°	462.0	446.4	440.5	401.3	393.5	330.8	354.3	315.2	326.9	293.7
82.5°	95.9	94.0	92.0	82.2	74.4	64.6	76.3	86.1	88.1	86.1
85°	60.7	62.6	62.6	58.7	54.8	48.9	58.7	72.4	76.3	76.3
87.5°	52.9	54.8	54.8	52.9	48.9	43.1	48.9	54.8	56.8	54.8
90°	56.8	58.7	56.8	54.8	50.9	45.0	50.9	52.9	43.1	45.0
92.5°	68.5	68.5	66.6	66.6	64.6	56.8	62.6	50.9	19.6	5.9
95°	66.6	64.6	64.6	62.6	60.7	50.9	50.9	13.7	0.0	0.0
97.5°	56.8	52.9	52.9	50.9	50.9	43.1	31.3	0.0	0.0	0.0
100°	43.1	37.2	37.2	35.2	35.2	29.4	11.7	0.0	0.0	0.0
102.5°	29.4	23.5	21.5	19.6	19.6	17.6	2.0	0.0	0.0	0.0
105°	15.7	9.8	7.8	5.9	5.9	3.9	0.0	0.0	0.0	0.0
107.5°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	0.0	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)