

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: P691747

Luminaire Tested: **CRTK2-C018-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691747
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-C018-D-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6437 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

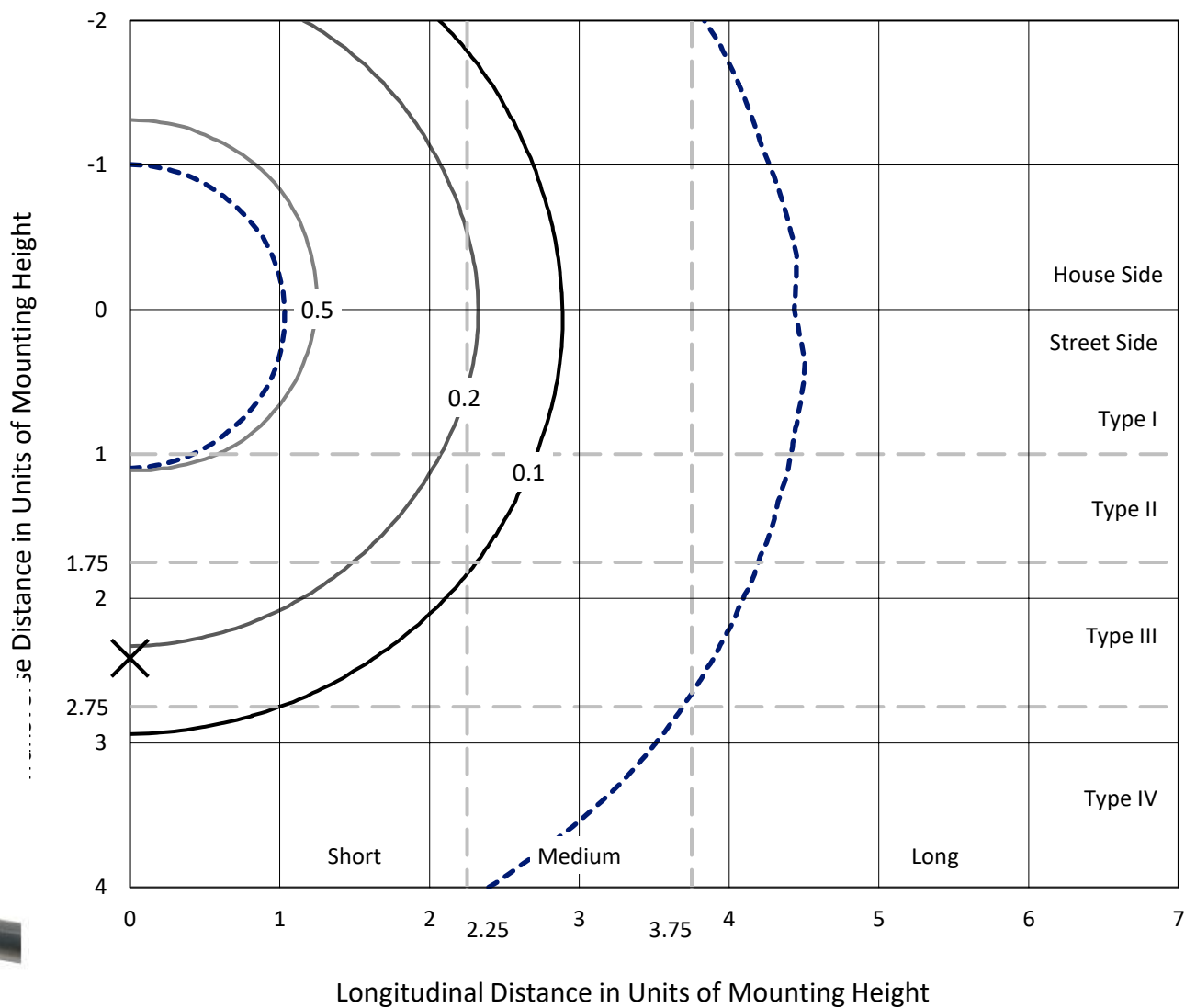
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

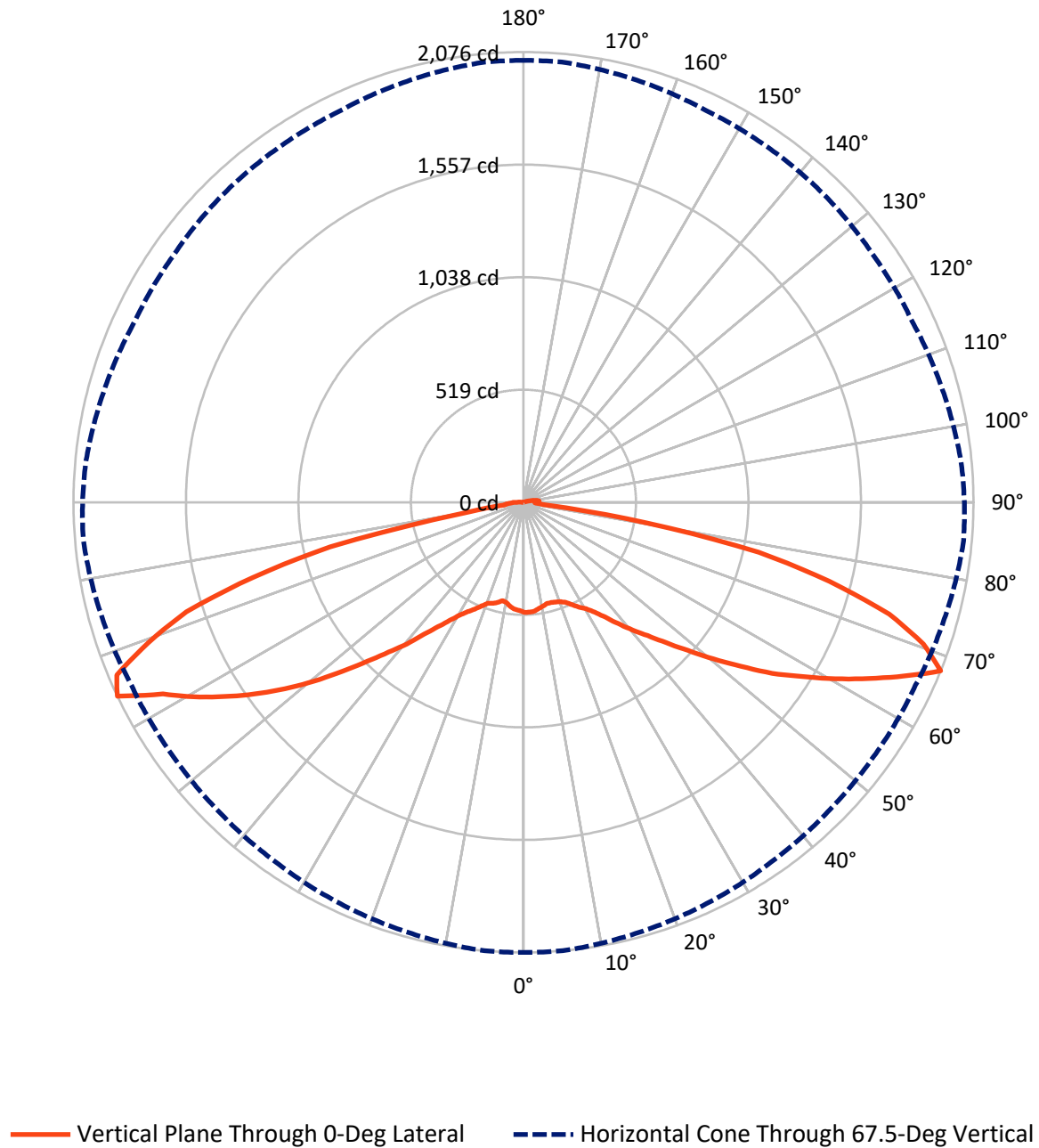
✕ Max cd
 - - - 1/2 Max cd



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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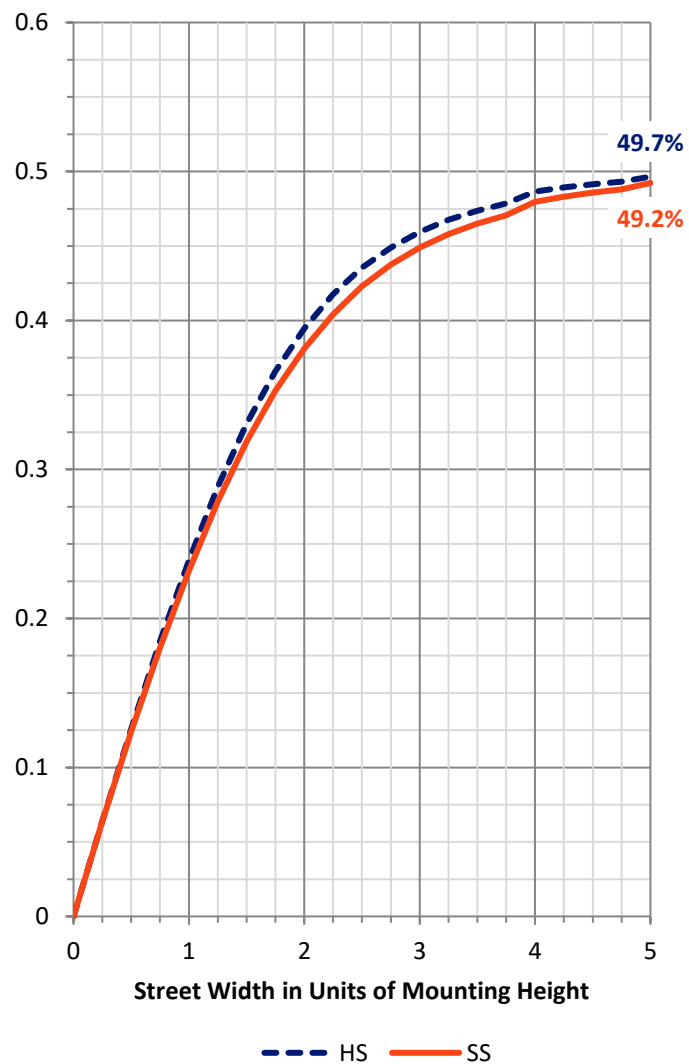
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3187.1	30.2	3217.3
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3177.0	42.7	3219.7
	% Fixture	49.4	0.7	50.0
Total	Lumens	6364.1	72.9	6437.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	0.7
10°-20°	140.1	2.2
20°-30°	253.2	3.9
30°-40°	436.6	6.8
40°-50°	774.6	12.0
50°-60°	1318.7	20.5
60°-70°	1889.3	29.4
70°-80°	1373.7	21.3
80°-90°	130.4	2.0
90°-100°	58.9	0.9
100°-110°	14.1	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°	6364.1	98.9
0°-180°	6437.0	100.0

Coefficient of Utilization



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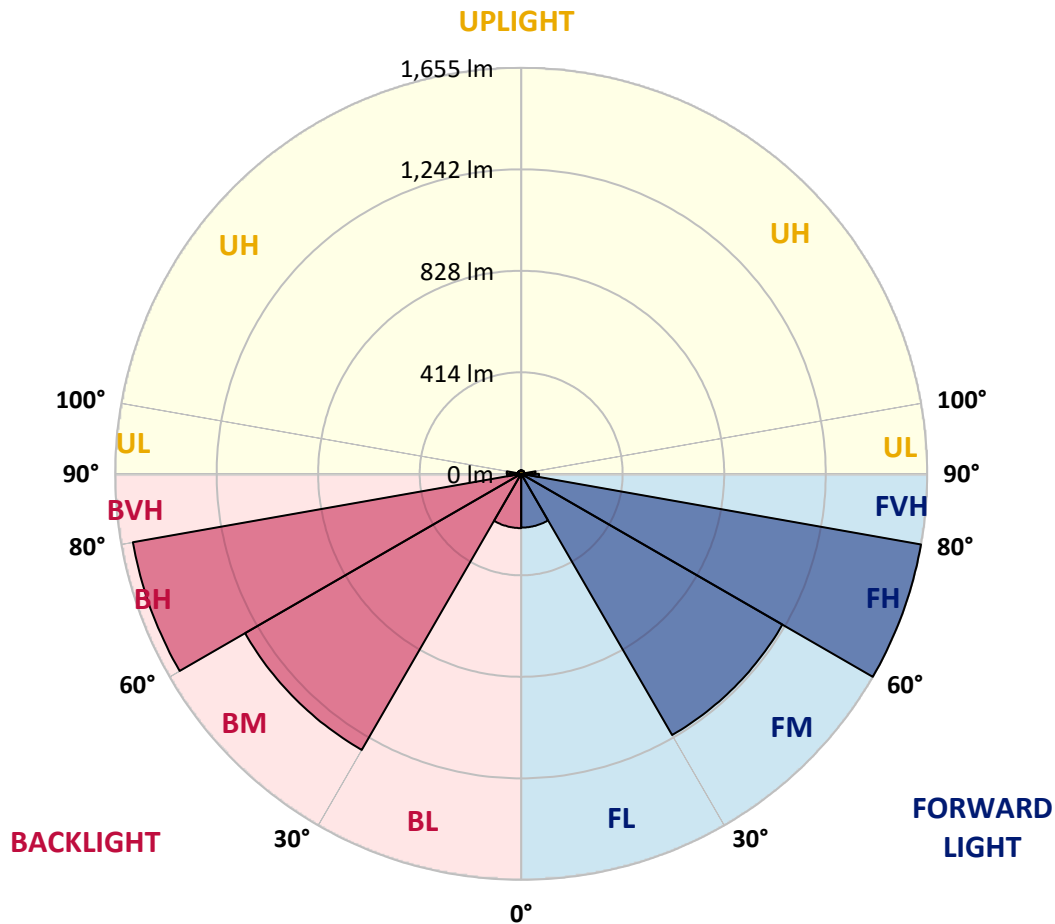
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.4	3.4			
FM	(30°-60°)	1229.8	19.1			
FH	(60°-80°)	1655.4	25.7			G1/1800
FVH	(80°-90°)	72.5	1.1			G1/100
BL	(0°-30°)	221.4	3.4	B1/500		
BM	(30°-60°)	1300.1	20.2	B2/2500		
BH	(60°-80°)	1607.6	25.0	B3/2500		G1/1800
BVH	(80°-90°)	58.0	0.9			G1/100
UL	(90°-100°)	58.9	0.9		U3/500	
UH	(100°-180°)	14.1	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°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	507.4	507.4	507.4	507.4	507.4	507.4	505.4	501.4	501.4	501.4	501.4
5°	505.4	505.4	505.4	505.4	507.4	507.4	507.4	503.4	503.4	503.4	503.4
7.5°	495.4	495.4	497.4	497.4	499.4	501.4	499.4	499.4	499.4	501.4	501.4
10°	487.4	487.4	489.4	489.4	491.4	491.4	495.4	495.4	497.4	499.4	499.4
12.5°	479.4	479.4	481.4	485.4	487.4	489.4	491.4	493.4	497.4	499.4	499.4
15°	479.4	479.4	479.4	483.4	489.4	493.4	495.4	499.4	503.4	505.4	507.4
17.5°	483.4	483.4	483.4	487.4	491.4	497.4	503.4	505.4	509.4	513.5	513.5
20°	489.4	489.4	491.4	495.4	501.4	505.4	509.4	515.5	519.5	523.5	525.5
22.5°	501.4	503.4	503.4	505.4	511.4	517.5	521.5	525.5	531.5	535.5	539.5
25°	523.5	521.5	521.5	525.5	529.5	535.5	537.5	541.5	547.5	553.6	555.6
27.5°	547.5	545.5	545.5	549.6	553.6	557.6	559.6	565.6	571.6	577.6	579.6
30°	569.6	569.6	571.6	575.6	579.6	585.7	587.7	593.7	597.7	605.7	605.7
32.5°	603.7	605.7	607.7	609.7	613.7	619.8	625.8	627.8	631.8	637.8	641.8
35°	649.8	653.8	653.8	655.9	665.9	671.9	667.9	673.9	679.9	687.9	692.0
37.5°	710.0	708.0	714.0	722.0	724.0	730.1	728.1	732.1	740.1	750.1	756.1
40°	774.2	776.2	776.2	778.2	784.2	786.2	794.2	800.3	808.3	822.3	826.3
42.5°	840.4	844.4	848.4	850.4	860.4	862.4	868.5	876.5	886.5	896.5	900.5
45°	922.6	920.6	930.6	934.6	944.7	956.7	956.7	960.7	976.8	986.8	992.8
47.5°	1020.9	1024.9	1030.9	1036.9	1053.0	1055.0	1065.0	1071.0	1081.1	1091.1	1093.1
50°	1135.2	1135.2	1141.2	1153.3	1163.3	1173.3	1179.3	1187.4	1195.4	1211.4	1219.4
52.5°	1255.5	1257.6	1265.6	1277.6	1293.7	1295.7	1301.7	1315.7	1321.7	1325.7	1339.8
55°	1391.9	1385.9	1391.9	1410.0	1428.0	1426.0	1428.0	1444.1	1454.1	1462.1	1466.1
57.5°	1516.3	1516.3	1522.3	1536.3	1540.4	1546.4	1548.4	1562.4	1574.4	1584.5	1586.5
60°	1652.7	1650.7	1654.7	1666.7	1680.7	1680.7	1678.7	1692.8	1704.8	1706.8	1720.9
62.5°	1789.1	1783.0	1787.0	1795.1	1803.1	1795.1	1803.1	1815.1	1825.2	1833.2	1837.2
65°	1931.5	1923.4	1925.4	1917.4	1905.4	1895.4	1913.4	1947.5	1977.6	1993.6	1995.6
67.5°	2075.9	2075.9	2053.8	2033.7	2013.7	2001.7	1995.6	1995.6	2015.7	2037.8	2033.7
70°	1957.5	1961.5	1943.5	1929.4	1897.4	1887.3	1881.3	1861.3	1871.3	1877.3	1863.3
72.5°	1765.0	1742.9	1734.9	1728.9	1704.8	1686.8	1666.7	1652.7	1646.7	1650.7	1634.6
75°	1458.1	1502.2	1478.2	1466.1	1450.1	1442.1	1389.9	1373.9	1371.9	1387.9	1387.9
77.5°	1109.1	1133.2	1117.2	1123.2	1099.1	1095.1	1075.0	1057.0	1042.9	1038.9	998.8
80°	575.6	593.7	597.7	617.7	613.7	601.7	587.7	535.5	521.5	529.5	491.4
82.5°	104.3	108.3	110.3	112.3	104.3	108.3	110.3	100.3	106.3	104.3	100.3
85°	60.2	60.2	62.2	62.2	58.2	54.2	58.2	56.2	56.2	60.2	60.2
87.5°	52.1	54.2	56.2	56.2	50.1	46.1	50.1	50.1	52.1	54.2	54.2
90°	54.2	54.2	58.2	58.2	52.1	48.1	54.2	56.2	56.2	56.2	58.2
92.5°	72.2	70.2	72.2	72.2	66.2	62.2	70.2	70.2	70.2	70.2	72.2
95°	70.2	68.2	70.2	68.2	64.2	60.2	66.2	68.2	68.2	68.2	70.2
97.5°	60.2	60.2	60.2	60.2	54.2	52.1	60.2	60.2	58.2	58.2	60.2
100°	46.1	44.1	44.1	44.1	42.1	42.1	46.1	44.1	42.1	44.1	46.1
102.5°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	28.1	28.1	28.1	32.1
105°	18.1	18.1	16.0	16.0	16.0	16.0	16.0	14.0	14.0	14.0	18.1
107.5°	6.0	6.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	6.0
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°	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°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	503.4	503.4	505.4	503.4	503.4	501.4	499.4	497.4	499.4	499.4
5°	503.4	505.4	503.4	501.4	499.4	497.4	497.4	493.4	493.4	495.4
7.5°	501.4	505.4	501.4	499.4	493.4	491.4	489.4	485.4	485.4	485.4
10°	499.4	499.4	497.4	489.4	485.4	479.4	477.3	473.3	471.3	469.3
12.5°	499.4	499.4	493.4	487.4	481.4	473.3	471.3	467.3	465.3	463.3
15°	505.4	507.4	503.4	495.4	485.4	483.4	477.3	475.3	473.3	477.3
17.5°	515.5	513.5	509.4	501.4	495.4	493.4	485.4	485.4	483.4	487.4
20°	525.5	521.5	517.5	513.5	505.4	501.4	501.4	495.4	497.4	493.4
22.5°	537.5	539.5	533.5	527.5	521.5	519.5	517.5	517.5	515.5	515.5
25°	557.6	557.6	553.6	547.5	543.5	539.5	537.5	539.5	535.5	541.5
27.5°	581.6	579.6	579.6	575.6	569.6	567.6	565.6	567.6	565.6	565.6
30°	605.7	609.7	605.7	603.7	599.7	599.7	597.7	597.7	599.7	597.7
32.5°	643.8	645.8	645.8	643.8	639.8	637.8	637.8	639.8	643.8	641.8
35°	694.0	696.0	700.0	704.0	704.0	700.0	696.0	694.0	696.0	696.0
37.5°	760.1	762.2	766.2	766.2	764.2	762.2	764.2	768.2	760.1	760.1
40°	828.3	826.3	830.3	834.4	836.4	834.4	832.4	836.4	840.4	846.4
42.5°	904.6	908.6	910.6	918.6	922.6	922.6	920.6	926.6	928.6	928.6
45°	994.8	1004.8	1000.8	1014.9	1026.9	1028.9	1022.9	1026.9	1022.9	1026.9
47.5°	1099.1	1107.1	1115.1	1127.2	1133.2	1137.2	1135.2	1139.2	1143.2	1143.2
50°	1217.4	1223.5	1237.5	1253.5	1263.6	1263.6	1255.5	1263.6	1271.6	1269.6
52.5°	1341.8	1353.8	1367.9	1381.9	1389.9	1391.9	1391.9	1397.9	1395.9	1395.9
55°	1472.2	1482.2	1500.2	1508.3	1518.3	1522.3	1522.3	1524.3	1522.3	1522.3
57.5°	1596.5	1608.5	1622.6	1638.6	1648.7	1652.7	1648.7	1648.7	1648.7	1644.6
60°	1724.9	1732.9	1746.9	1759.0	1765.0	1773.0	1773.0	1771.0	1769.0	1767.0
62.5°	1843.2	1847.2	1851.2	1853.2	1859.3	1875.3	1875.3	1885.3	1885.3	1883.3
65°	1997.6	1979.6	1963.5	1967.6	1981.6	1995.6	2007.7	2047.8	2067.8	2075.9
67.5°	2027.7	2001.7	1977.6	1975.6	1983.6	1987.6	1993.6	2015.7	2037.8	2037.8
70°	1851.2	1835.2	1813.1	1823.1	1829.2	1823.1	1831.2	1845.2	1865.3	1847.2
72.5°	1622.6	1596.5	1612.6	1622.6	1612.6	1604.5	1608.5	1606.5	1620.6	1634.6
75°	1369.9	1315.7	1315.7	1315.7	1319.7	1301.7	1301.7	1303.7	1329.8	1293.7
77.5°	1014.9	976.8	966.7	926.6	922.6	898.5	914.6	904.6	928.6	914.6
80°	473.3	457.3	451.3	411.2	403.1	339.0	363.0	322.9	334.9	300.8
82.5°	98.3	96.3	94.3	84.2	76.2	66.2	78.2	88.2	90.3	88.2
85°	62.2	64.2	64.2	60.2	56.2	50.1	60.2	74.2	78.2	78.2
87.5°	54.2	56.2	56.2	54.2	50.1	44.1	50.1	56.2	58.2	56.2
90°	58.2	60.2	58.2	56.2	52.1	46.1	52.1	54.2	44.1	46.1
92.5°	70.2	70.2	68.2	68.2	66.2	58.2	64.2	52.1	20.1	6.0
95°	68.2	66.2	66.2	64.2	62.2	52.1	52.1	14.0	0.0	0.0
97.5°	58.2	54.2	54.2	52.1	52.1	44.1	32.1	0.0	0.0	0.0
100°	44.1	38.1	38.1	36.1	36.1	30.1	12.0	0.0	0.0	0.0
102.5°	30.1	24.1	22.1	20.1	20.1	18.1	2.0	0.0	0.0	0.0
105°	16.0	10.0	8.0	6.0	6.0	4.0	0.0	0.0	0.0	0.0
107.5°	6.0	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-C018-D-U-T5R-8027

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)