

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: P691512

Luminaire Tested: **CRTK2-C016-D-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5472.1 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

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



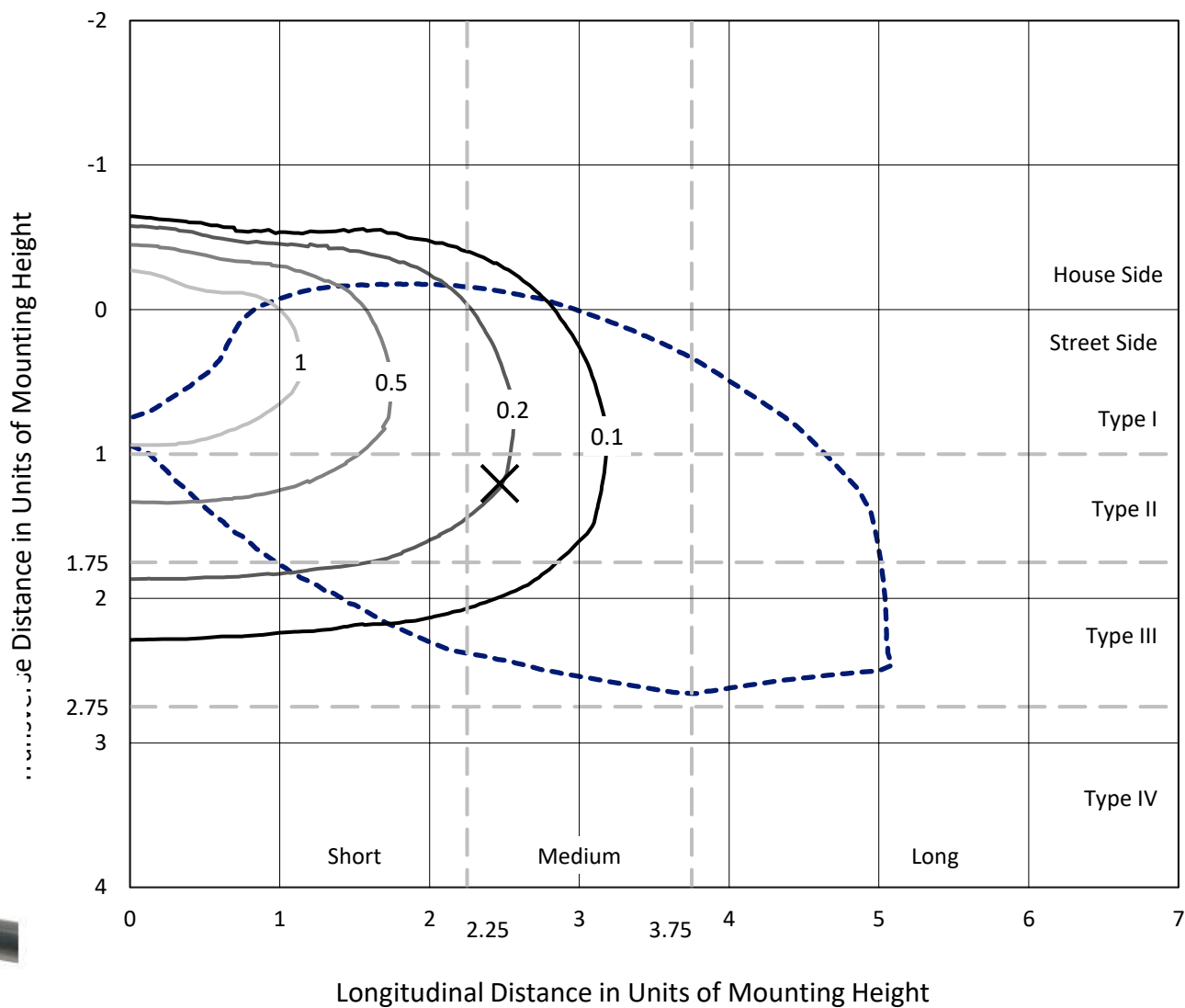
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CATALOG NUMBER: CRTK2-C016-D-U-T3-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

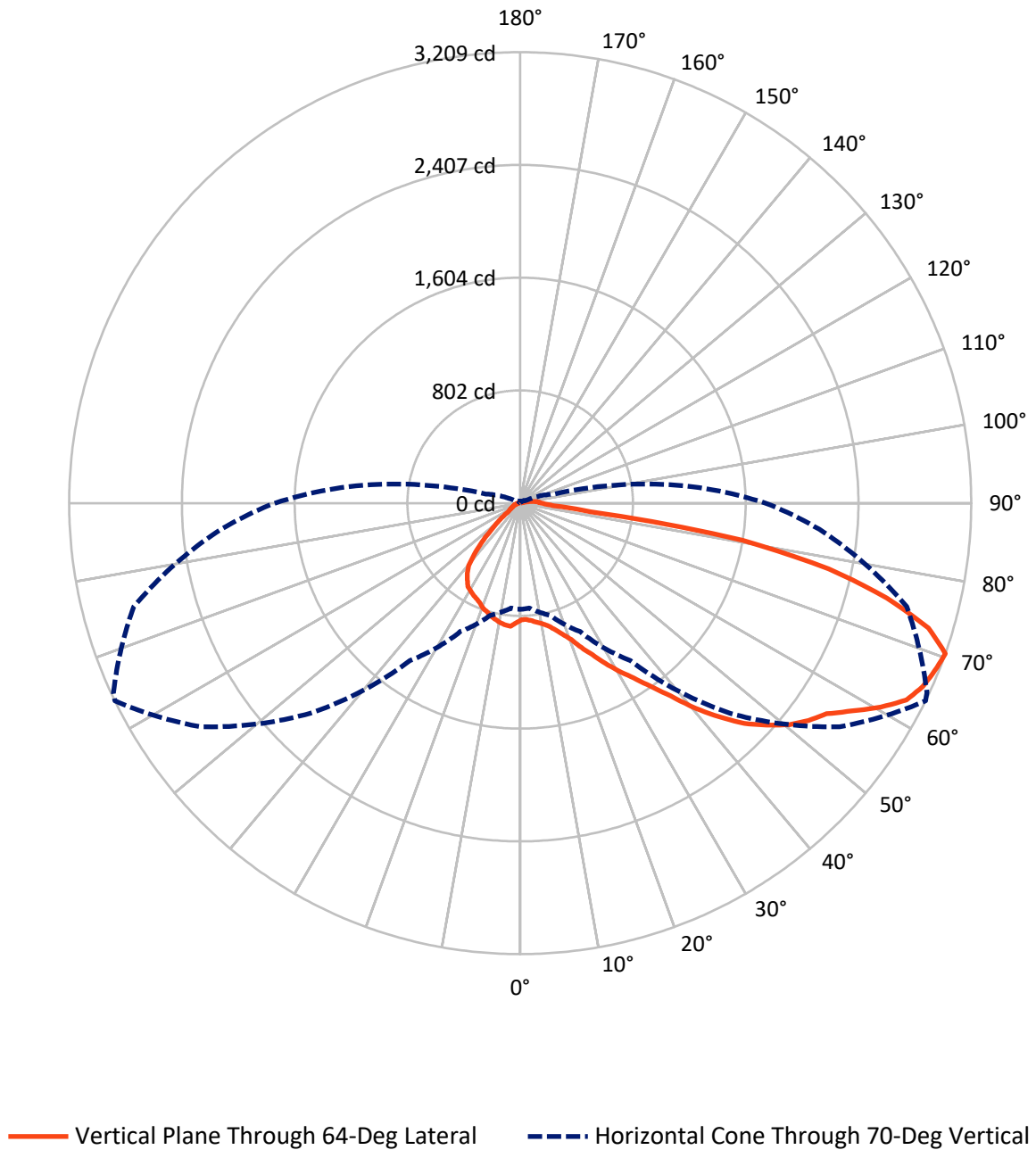


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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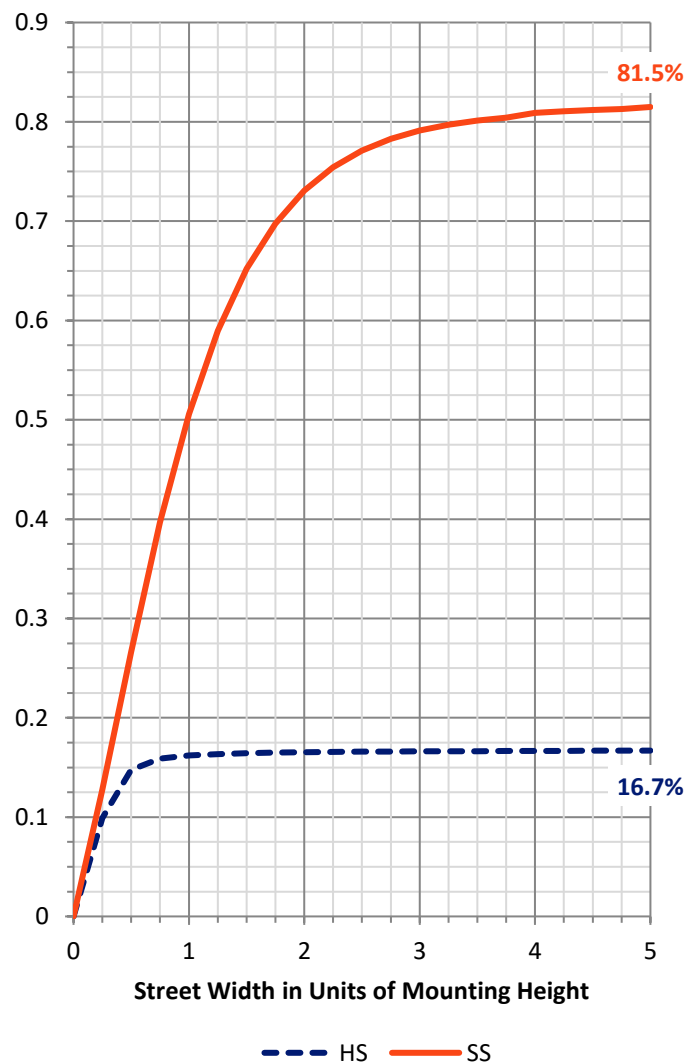
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	928.0	11.3	939.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	4486.5	46.2	4532.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	5414.6	57.5	5472.1
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	1.5
10°-20°	252.2	4.6
20°-30°	436.0	8.0
30°-40°	646.9	11.8
40°-50°	888.6	16.2
50°-60°	1079.2	19.7
60°-70°	1146.5	21.0
70°-80°	757.5	13.8
80°-90°	125.4	2.3
90°-100°	46.8	0.9
100°-110°	7.9	0.1
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5414.6	98.9
0°-180°	5472.1	100.0

Coefficient of Utilization



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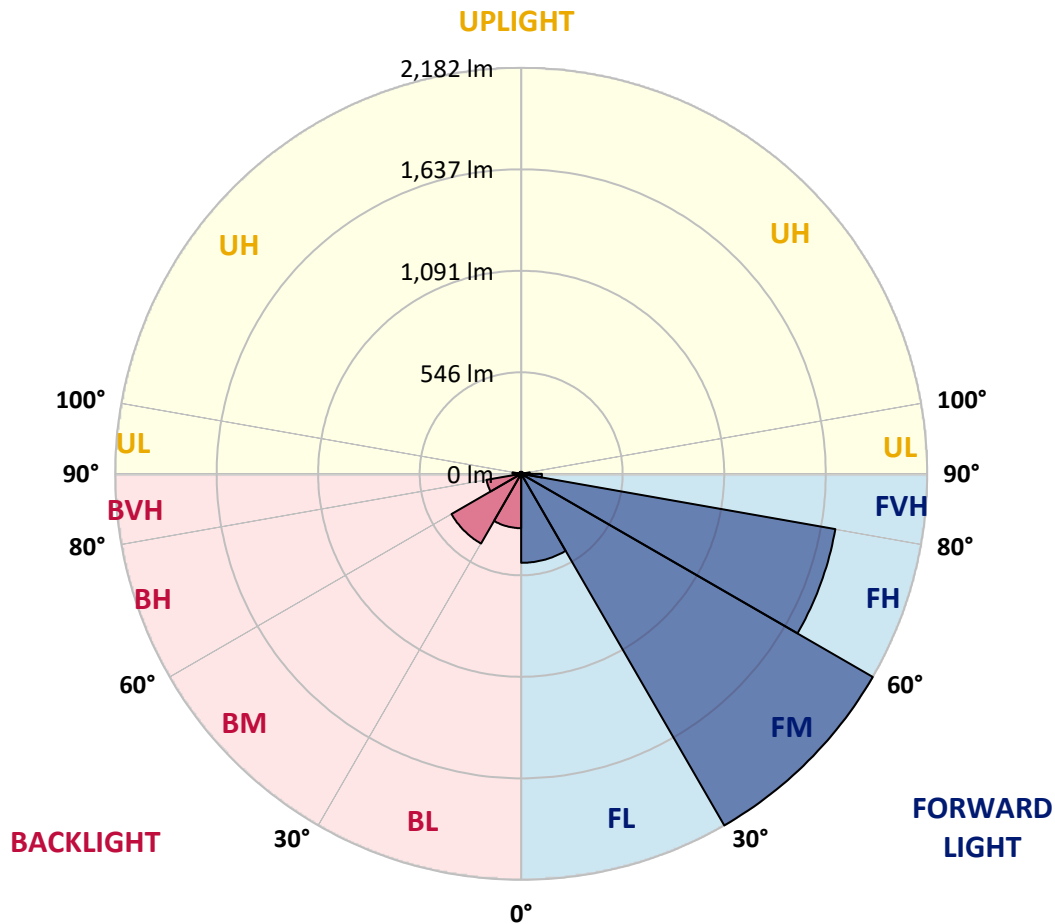
CATALOG NUMBER: CRTK2-C016-D-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	478.3	8.7			
FM	(30°-60°)	2182.2	39.9			
FH	(60°-80°)	1714.8	31.3			G1/1800
FVH	(80°-90°)	111.3	2.0			G2/225
BL	(0°-30°)	292.1	5.3	B1/500		
BM	(30°-60°)	432.6	7.9	B1/1000		
BH	(60°-80°)	189.2	3.5	B1/500		G1/500
BVH	(80°-90°)	14.1	0.3			G1/100
UL	(90°-100°)	46.8	0.9		U2/50	
UH	(100°-180°)	10.7	0.2		U2/50	

BUG Rating: B1-U2-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1
2.5°	835.9	834.0	835.9	834.0	832.0	830.1	828.1	828.1	826.2	828.1	830.1
5°	873.1	875.1	871.2	863.4	853.6	845.7	841.8	839.9	839.9	841.8	849.7
7.5°	900.6	898.6	896.6	894.7	886.8	869.2	859.4	855.5	855.5	851.6	865.3
10°	949.5	945.6	935.8	924.0	916.2	896.6	879.0	873.1	871.2	873.1	884.9
12.5°	1002.4	998.4	996.5	984.7	957.3	939.7	910.3	896.6	896.6	896.6	902.5
15°	1078.7	1072.8	1053.3	1039.6	1016.1	986.7	953.4	933.8	933.8	937.7	922.1
17.5°	1133.5	1129.6	1127.6	1104.2	1084.6	1039.6	1014.1	980.8	980.8	988.6	955.4
20°	1190.3	1186.4	1188.3	1184.4	1155.1	1119.8	1074.8	1035.6	1035.6	1037.6	990.6
22.5°	1266.6	1260.8	1260.8	1258.8	1243.2	1202.0	1149.2	1115.9	1110.0	1094.4	1035.6
25°	1343.0	1341.0	1337.1	1339.1	1335.2	1288.2	1231.4	1194.2	1194.2	1172.7	1096.3
27.5°	1419.3	1419.3	1417.4	1419.3	1417.4	1388.0	1331.3	1292.1	1294.1	1266.6	1162.9
30°	1474.2	1472.2	1485.9	1491.8	1495.7	1484.0	1429.1	1386.1	1390.0	1362.6	1241.2
32.5°	1525.1	1523.1	1546.6	1560.3	1564.2	1562.3	1517.2	1482.0	1491.8	1466.3	1335.2
35°	1572.1	1570.1	1601.4	1636.7	1652.3	1648.4	1619.0	1599.5	1609.2	1607.3	1462.4
37.5°	1607.3	1613.2	1654.3	1703.2	1730.6	1732.6	1718.9	1740.4	1752.2	1791.3	1621.0
40°	1648.4	1648.4	1687.6	1740.4	1789.4	1808.9	1820.7	1918.6	1930.3	1938.1	1726.7
42.5°	1605.3	1617.1	1701.3	1779.6	1842.2	1887.2	1951.8	2079.1	2104.6	2045.8	1855.9
45°	1572.1	1581.8	1668.0	1799.1	1889.2	1973.4	2094.8	2235.7	2255.3	2153.5	1924.4
47.5°	1536.8	1552.5	1640.6	1785.4	1934.2	2079.1	2214.2	2359.1	2376.7	2245.5	2020.4
50°	1495.7	1513.3	1607.3	1765.9	1957.7	2178.9	2321.9	2478.5	2480.4	2325.8	2073.2
52.5°	1456.5	1468.3	1566.2	1740.4	1977.3	2255.3	2423.7	2568.5	2556.8	2427.6	2130.0
55°	1390.0	1413.5	1517.2	1705.2	1987.1	2298.4	2494.1	2644.9	2652.7	2537.2	2206.4
57.5°	1329.3	1345.0	1454.6	1654.3	1979.3	2323.8	2562.7	2787.8	2803.5	2635.1	2261.2
60°	1252.9	1262.7	1368.4	1583.8	1928.4	2366.9	2715.4	2946.4	2964.0	2729.1	2282.7
62.5°	1157.0	1157.0	1262.7	1489.8	1863.8	2398.2	2821.1	3083.4	3083.4	2803.5	2290.5
65°	1033.7	1039.6	1133.5	1362.6	1756.1	2380.6	2852.4	3148.0	3153.9	2856.3	2286.6
67.5°	914.3	912.3	994.5	1196.2	1593.6	2288.6	2828.9	3181.3	3204.8	2887.6	2235.7
70°	755.7	749.8	826.2	1008.2	1366.5	2114.3	2774.1	3208.7	3193.0	2846.5	2135.9
72.5°	581.4	575.6	632.3	771.3	1076.7	1814.8	2613.6	3036.4	3009.0	2623.3	1930.3
75°	413.1	405.2	450.3	542.3	708.7	1327.3	2241.6	2693.8	2662.5	2359.1	1611.2
77.5°	234.9	227.1	268.2	342.6	428.7	751.8	1697.3	2245.5	2288.6	1946.0	1231.4
80°	103.8	99.8	117.5	164.4	240.8	358.3	924.0	1605.3	1546.6	1327.3	700.9
82.5°	88.1	88.1	90.1	94.0	97.9	164.4	346.5	505.1	483.6	389.6	223.2
85°	76.4	74.4	78.3	82.2	84.2	107.7	201.6	242.8	238.8	215.3	154.7
87.5°	62.6	58.7	64.6	68.5	68.5	88.1	150.7	178.2	178.2	180.1	137.0
90°	54.8	54.8	50.9	50.9	52.9	62.6	115.5	146.8	150.7	186.0	158.6
92.5°	47.0	47.0	47.0	47.0	39.2	45.0	82.2	131.2	141.0	182.1	142.9
95°	45.0	43.1	45.0	41.1	39.2	41.1	62.6	115.5	127.3	160.5	125.3
97.5°	31.3	29.4	33.3	33.3	35.2	37.2	52.9	86.1	90.1	119.4	94.0
100°	21.5	19.6	19.6	19.6	25.5	25.5	43.1	52.9	54.8	76.4	62.6
102.5°	11.7	9.8	9.8	9.8	13.7	15.7	21.5	29.4	29.4	41.1	35.2
105°	3.9	3.9	5.9	5.9	5.9	7.8	7.8	9.8	9.8	11.7	15.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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°	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1	830.1
2.5°	832.0	835.9	845.7	851.6	859.4	867.3	873.1	873.1	879.0	875.1	873.1
5°	857.5	859.4	871.2	879.0	877.1	869.2	863.4	859.4	861.4	865.3	865.3
7.5°	875.1	882.9	873.1	873.1	871.2	861.4	849.7	837.9	832.0	830.1	830.1
10°	884.9	877.1	873.1	863.4	841.8	835.9	826.2	804.6	798.8	798.8	790.9
12.5°	890.8	886.8	865.3	847.7	828.1	796.8	775.3	771.3	753.7	751.8	753.7
15°	914.3	894.7	867.3	834.0	796.8	769.4	740.0	708.7	695.0	696.9	698.9
17.5°	929.9	912.3	863.4	810.5	777.2	726.3	693.0	675.4	653.9	653.9	653.9
20°	955.4	926.0	857.5	800.7	722.4	685.2	646.0	626.5	604.9	567.7	563.8
22.5°	988.6	951.5	855.5	771.3	700.9	640.2	583.4	522.7	491.4	469.9	464.0
25°	1029.8	986.7	869.2	757.6	659.8	585.4	512.9	430.7	372.0	360.2	360.2
27.5°	1100.2	1031.7	886.8	743.9	636.3	524.7	411.1	338.7	287.8	272.1	270.2
30°	1168.8	1088.5	892.7	730.2	591.2	442.4	317.2	240.8	195.8	176.2	172.3
32.5°	1276.4	1166.8	943.6	718.5	540.3	356.3	225.1	152.7	115.5	103.8	101.8
35°	1386.1	1272.5	961.2	687.2	448.3	260.4	129.2	82.2	62.6	52.9	50.9
37.5°	1527.0	1405.6	1014.1	653.9	356.3	148.8	72.4	45.0	39.2	39.2	39.2
40°	1609.2	1464.4	1061.1	610.8	244.7	76.4	43.1	35.2	35.2	33.3	33.3
42.5°	1715.0	1536.8	1102.2	526.6	129.2	47.0	37.2	33.3	29.4	29.4	29.4
45°	1775.7	1583.8	1088.5	422.9	60.7	43.1	35.2	29.4	27.4	27.4	27.4
47.5°	1850.0	1642.5	1059.1	313.2	52.9	39.2	33.3	27.4	25.5	27.4	27.4
50°	1924.4	1701.3	984.7	240.8	48.9	37.2	29.4	23.5	23.5	25.5	25.5
52.5°	1961.6	1742.4	896.6	166.4	48.9	35.2	27.4	23.5	21.5	21.5	21.5
55°	2004.7	1752.2	822.2	109.6	47.0	33.3	25.5	19.6	19.6	17.6	17.6
57.5°	2028.2	1726.7	767.4	92.0	45.0	31.3	23.5	17.6	15.7	13.7	13.7
60°	2018.4	1689.5	720.4	80.3	41.1	29.4	21.5	15.7	11.7	9.8	9.8
62.5°	1998.8	1658.2	634.3	70.5	39.2	25.5	17.6	13.7	9.8	7.8	7.8
65°	1977.3	1574.0	534.5	60.7	35.2	23.5	15.7	11.7	7.8	5.9	5.9
67.5°	1877.5	1462.4	391.5	54.8	33.3	21.5	13.7	9.8	7.8	5.9	5.9
70°	1746.3	1276.4	252.5	47.0	29.4	19.6	13.7	7.8	5.9	3.9	3.9
72.5°	1485.9	1041.5	127.3	41.1	27.4	19.6	11.7	7.8	5.9	3.9	2.0
75°	1213.8	777.2	82.2	35.2	25.5	19.6	11.7	7.8	3.9	2.0	2.0
77.5°	869.2	420.9	62.6	31.3	21.5	19.6	9.8	5.9	3.9	3.9	2.0
80°	362.2	152.7	50.9	25.5	19.6	17.6	9.8	5.9	3.9	3.9	2.0
82.5°	152.7	105.7	45.0	21.5	17.6	17.6	7.8	5.9	3.9	3.9	3.9
85°	119.4	88.1	39.2	19.6	15.7	19.6	7.8	5.9	5.9	5.9	5.9
87.5°	111.6	90.1	35.2	17.6	15.7	13.7	7.8	5.9	9.8	9.8	11.7
90°	125.3	94.0	27.4	15.7	13.7	11.7	5.9	3.9	3.9	0.0	0.0
92.5°	115.5	86.1	19.6	11.7	17.6	7.8	3.9	0.0	0.0	0.0	0.0
95°	99.8	72.4	11.7	7.8	19.6	9.8	2.0	0.0	0.0	0.0	0.0
97.5°	74.4	52.9	7.8	3.9	15.7	11.7	2.0	0.0	0.0	0.0	0.0
100°	52.9	33.3	5.9	3.9	9.8	11.7	2.0	0.0	0.0	0.0	0.0
102.5°	29.4	17.6	3.9	2.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0
105°	13.7	5.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691512

CATALOG NUMBER: CRTK2-C016-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	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)