

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: P691519

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5975.1 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - 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



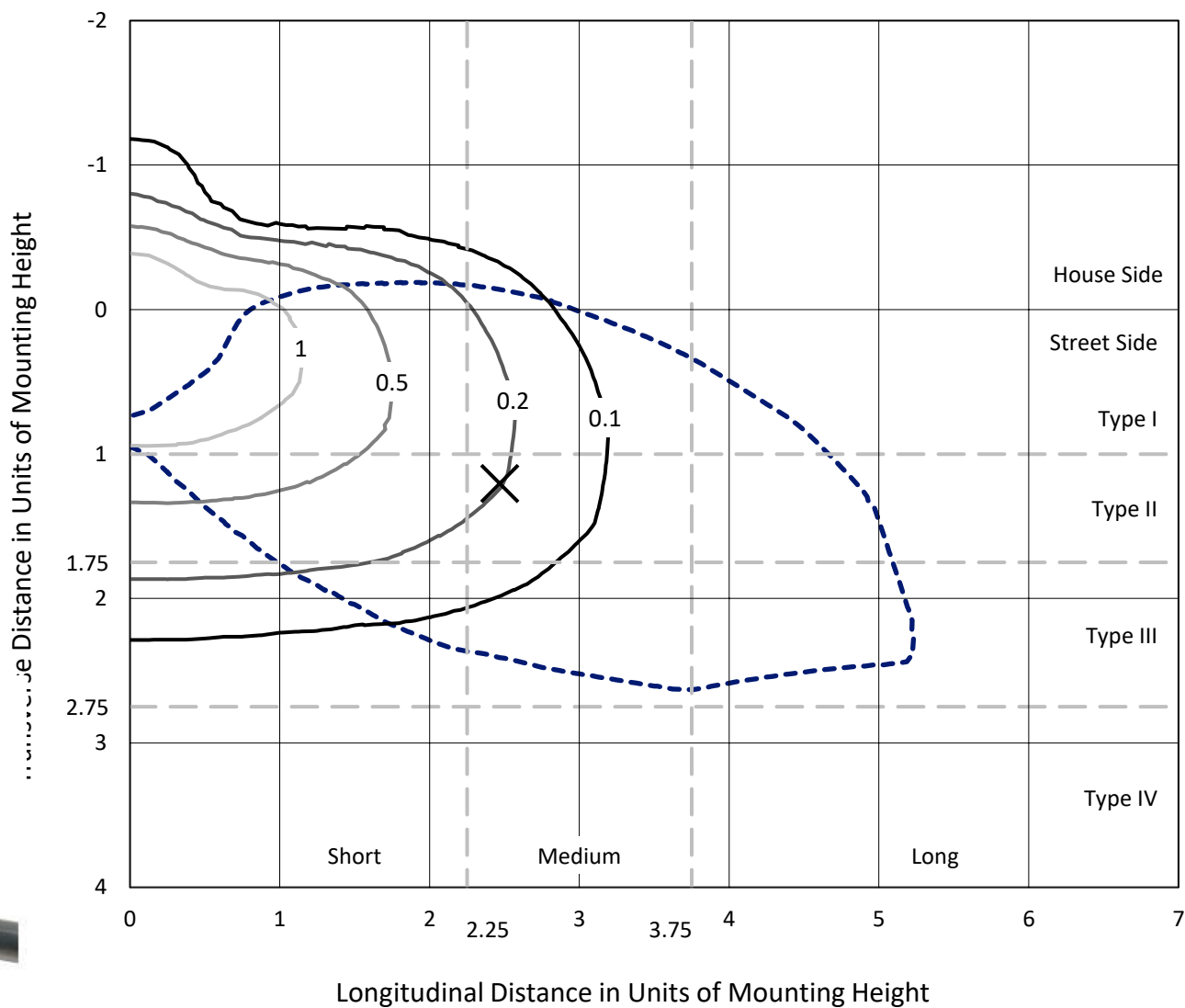
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

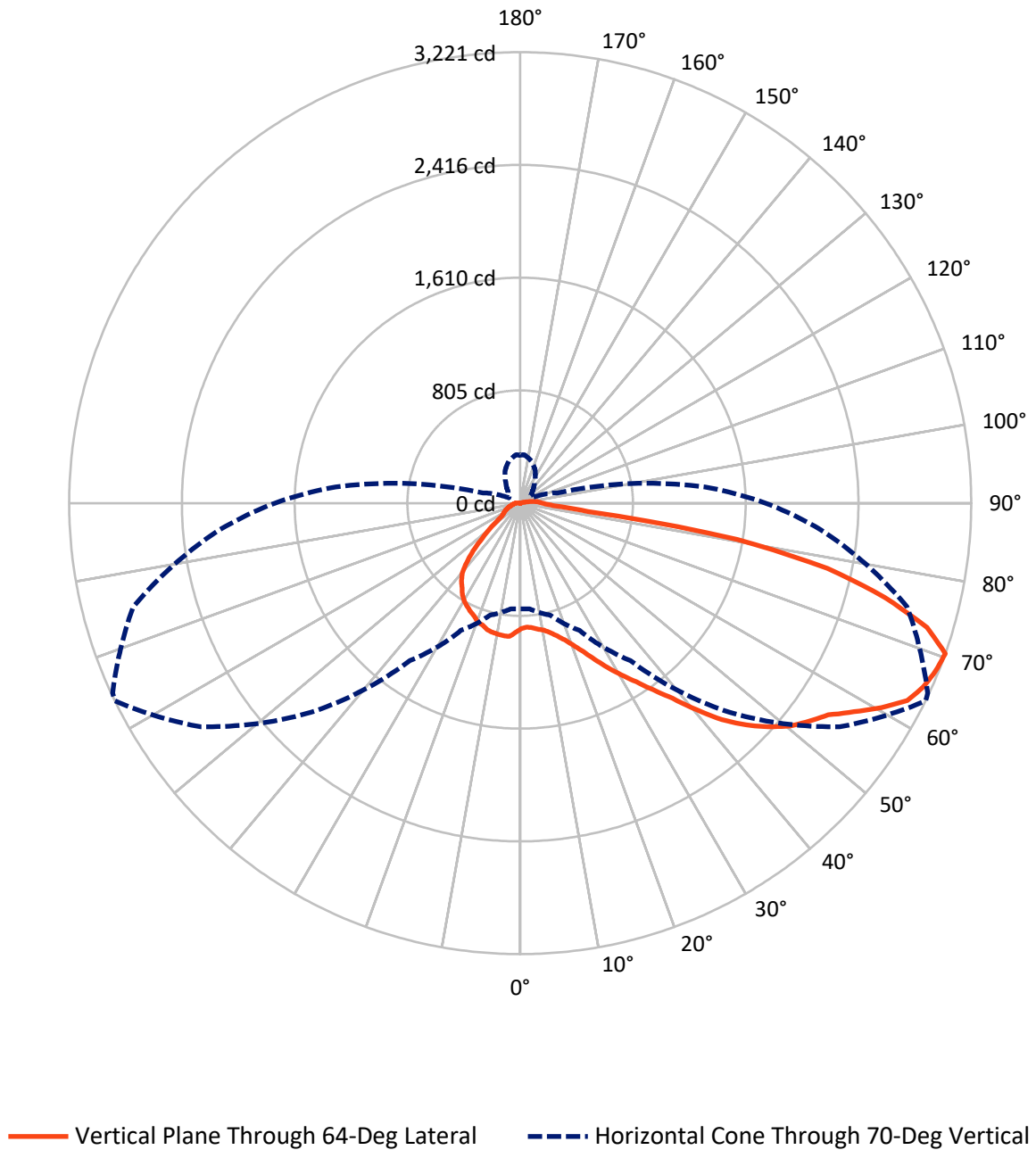
--- 1/2 Max cd



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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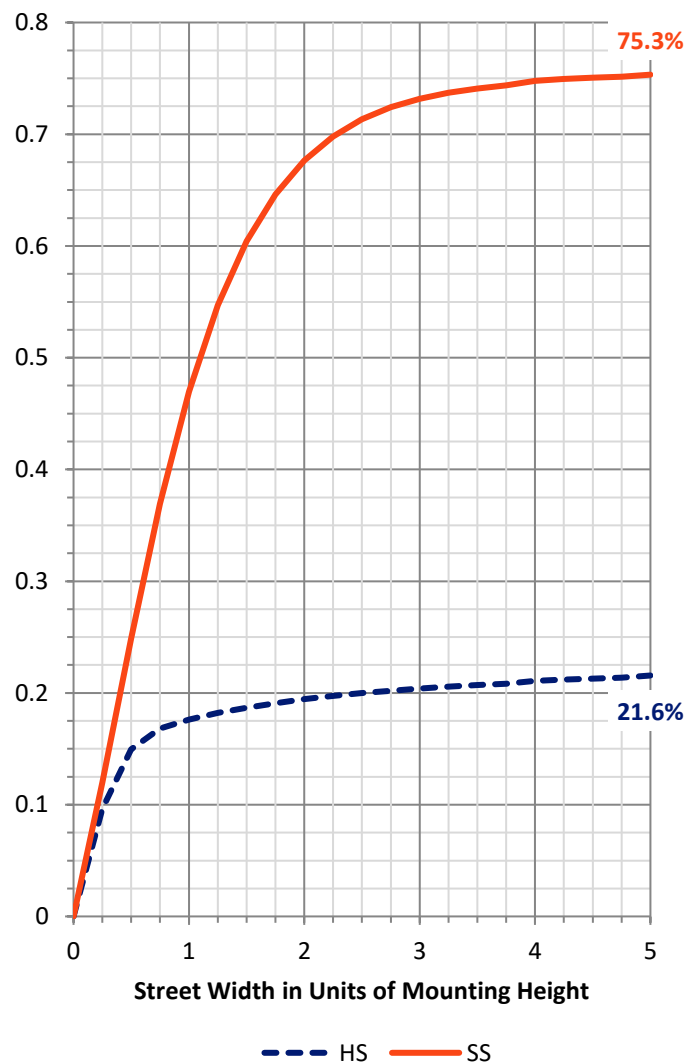
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.1	36.9	1399.1
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4528.3	47.7	4576.0
	% Fixture	75.8	0.8	76.6
Total	Lumens	5890.4	84.6	5975.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.5
10°-20°	278.2	4.7
20°-30°	482.6	8.1
30°-40°	700.3	11.7
40°-50°	939.8	15.7
50°-60°	1136.3	19.0
60°-70°	1223.2	20.5
70°-80°	840.1	14.1
80°-90°	200.5	3.4
90°-100°	72.6	1.2
100°-110°	9.1	0.2
110°-120°	0.7	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5890.4	98.6
0°-180°	5975.1	100.0

Coefficient of Utilization



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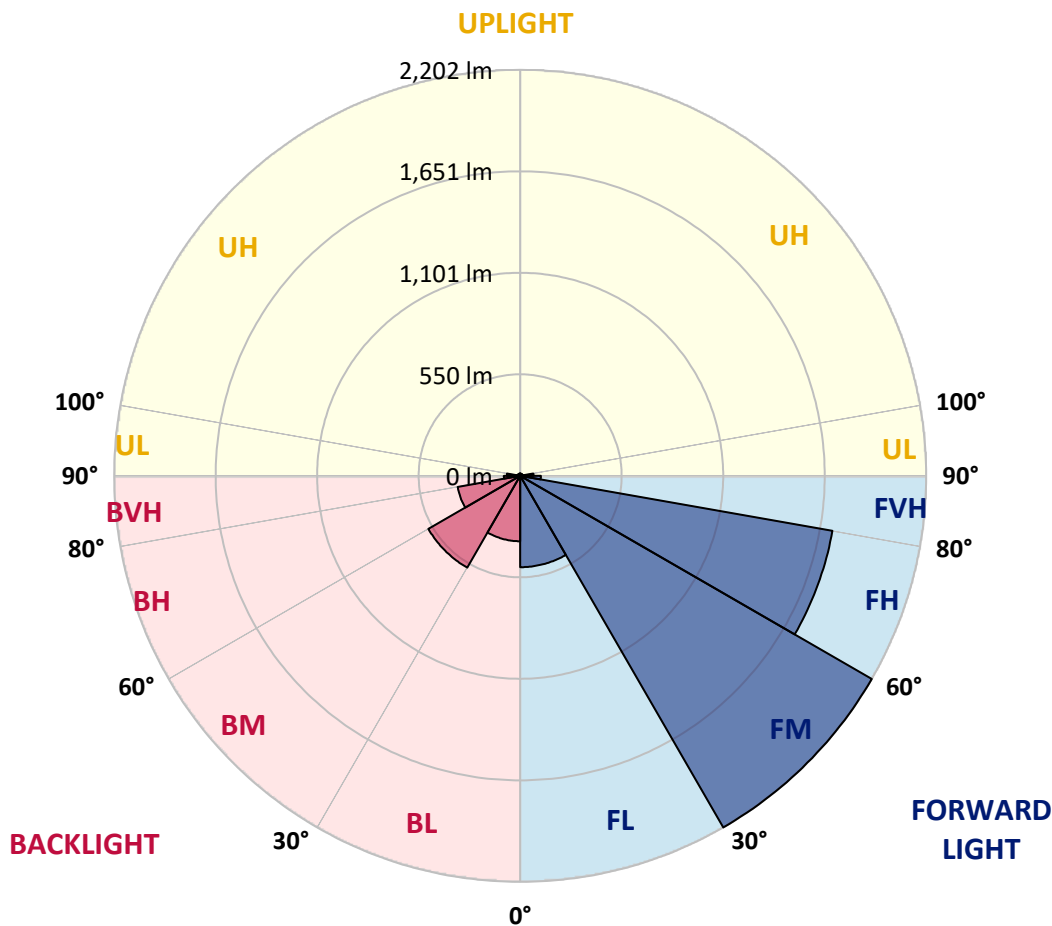
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.4	8.3			
FM	(30°-60°)	2201.6	36.8			
FH	(60°-80°)	1719.1	28.8			G1/1800
FVH	(80°-90°)	112.1	1.9			G2/225
BL	(0°-30°)	354.7	5.9	B1/500		
BM	(30°-60°)	574.9	9.6	B1/1000		
BH	(60°-80°)	344.2	5.8	B1/500		G1/500
BVH	(80°-90°)	88.3	1.5			G1/100
UL	(90°-100°)	72.6	1.2		U3/500	
UH	(100°-180°)	12.1	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7
2.5°	888.9	888.9	886.9	886.9	888.9	890.8	888.9	886.9	888.9	890.8	896.7
5°	924.1	922.2	920.2	912.4	904.5	898.7	894.8	892.8	894.8	902.6	916.3
7.5°	947.6	945.7	945.7	943.7	935.9	920.2	910.4	908.5	908.5	910.4	928.0
10°	996.6	992.7	984.8	971.1	963.3	943.7	926.1	922.2	922.2	926.1	947.6
12.5°	1049.4	1041.6	1043.6	1027.9	1004.4	982.9	957.4	947.6	943.7	947.6	959.4
15°	1121.9	1116.0	1100.3	1082.7	1059.2	1029.9	998.5	982.9	980.9	986.8	977.0
17.5°	1174.7	1166.9	1168.9	1143.4	1123.8	1084.7	1055.3	1025.9	1025.9	1033.8	1008.3
20°	1229.6	1225.6	1231.5	1225.6	1196.3	1161.0	1118.0	1082.7	1076.8	1080.8	1043.6
22.5°	1300.0	1294.2	1294.2	1296.1	1272.6	1237.4	1186.5	1151.2	1149.3	1133.6	1082.7
25°	1372.5	1366.6	1364.6	1368.6	1364.6	1323.5	1270.7	1235.4	1229.6	1208.0	1135.6
27.5°	1441.0	1441.0	1443.0	1446.9	1452.8	1419.5	1368.6	1329.4	1329.4	1305.9	1206.1
30°	1491.9	1491.9	1509.5	1517.4	1523.2	1515.4	1460.6	1423.4	1427.3	1396.0	1286.3
32.5°	1538.9	1540.9	1560.4	1580.0	1585.9	1591.8	1544.8	1521.3	1521.3	1491.9	1372.5
35°	1585.9	1585.9	1613.3	1652.5	1672.0	1666.2	1644.6	1636.8	1638.8	1632.9	1499.7
37.5°	1623.1	1627.0	1668.1	1717.1	1744.5	1754.3	1742.5	1768.0	1791.5	1809.1	1666.2
40°	1660.3	1660.3	1699.4	1752.3	1801.3	1828.7	1844.3	1940.3	1957.9	1963.8	1760.1
42.5°	1621.1	1630.9	1713.2	1791.5	1854.1	1901.1	1971.6	2114.5	2136.1	2069.5	1887.4
45°	1583.9	1595.7	1677.9	1809.1	1899.2	1993.1	2114.5	2259.4	2277.0	2177.2	1963.8
47.5°	1546.7	1560.4	1650.5	1793.4	1940.3	2094.9	2226.1	2386.7	2394.5	2265.3	2049.9
50°	1507.6	1521.3	1617.2	1775.8	1965.7	2198.7	2337.7	2502.2	2502.2	2343.6	2100.8
52.5°	1458.6	1474.3	1572.2	1748.4	1985.3	2269.2	2439.5	2586.4	2570.7	2437.6	2157.6
55°	1396.0	1417.5	1521.3	1709.2	1993.1	2306.4	2504.1	2668.6	2664.7	2553.1	2230.0
57.5°	1329.4	1347.0	1458.6	1658.3	1985.3	2331.8	2572.7	2811.5	2817.4	2652.9	2286.8
60°	1255.0	1266.8	1374.4	1587.8	1934.4	2376.9	2727.3	2964.2	2972.1	2745.0	2308.4
62.5°	1157.1	1164.9	1266.8	1491.9	1865.9	2406.2	2838.9	3103.3	3099.3	2827.2	2312.3
65°	1033.8	1043.6	1139.5	1364.6	1764.1	2386.7	2866.4	3164.0	3167.9	2866.4	2306.4
67.5°	914.3	920.2	1000.5	1196.3	1599.6	2292.7	2838.9	3199.2	3216.8	2899.6	2249.6
70°	755.7	757.7	828.2	1002.4	1372.5	2112.6	2784.1	3220.7	3210.9	2860.5	2151.7
72.5°	581.5	583.5	636.3	767.5	1067.1	1799.3	2590.3	3038.6	3021.0	2645.1	1940.3
75°	413.1	420.9	452.3	538.4	714.6	1313.7	2216.3	2690.1	2701.9	2353.4	1617.2
77.5°	234.9	242.8	268.2	336.8	411.2	736.2	1674.0	2243.7	2251.6	1979.4	1241.3
80°	101.8	103.8	113.6	160.5	219.3	352.4	857.6	1572.2	1685.7	1345.1	708.8
82.5°	86.1	86.1	90.1	94.0	95.9	160.5	332.8	487.5	503.2	397.5	231.0
85°	74.4	74.4	78.3	82.2	84.2	109.6	201.7	244.7	254.5	227.1	162.5
87.5°	58.7	58.7	64.6	68.5	68.5	90.1	150.8	182.1	188.0	182.1	144.9
90°	52.9	52.9	50.9	50.9	52.9	64.6	117.5	152.7	158.6	193.8	166.4
92.5°	45.0	47.0	47.0	47.0	41.1	47.0	84.2	135.1	146.8	191.9	150.8
95°	45.0	43.1	43.1	41.1	39.2	41.1	62.7	117.5	131.2	166.4	127.3
97.5°	31.3	29.4	31.3	33.3	35.2	37.2	52.9	86.1	95.9	129.2	94.0
100°	19.6	19.6	19.6	19.6	23.5	25.5	43.1	52.9	58.7	82.2	62.7
102.5°	11.7	9.8	9.8	9.8	11.7	15.7	21.5	29.4	31.3	47.0	37.2
105°	3.9	3.9	3.9	3.9	5.9	7.8	7.8	11.7	11.7	15.7	15.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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	2.0	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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	2.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	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	2.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	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°	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7
2.5°	900.6	904.5	912.4	922.2	933.9	943.7	951.5	953.5	957.4	957.4	961.3
5°	920.2	928.0	939.8	953.5	959.4	955.5	955.5	957.4	961.3	971.1	975.0
7.5°	941.7	947.6	947.6	953.5	965.2	961.3	959.4	957.4	957.4	953.5	959.4
10°	949.6	941.7	951.5	949.6	945.7	953.5	955.5	943.7	945.7	945.7	947.6
12.5°	951.5	951.5	943.7	943.7	943.7	926.1	922.2	932.0	922.2	926.1	924.1
15°	973.1	957.4	947.6	935.9	920.2	914.3	900.6	885.0	885.0	888.9	888.9
17.5°	988.7	973.1	943.7	912.4	906.5	879.1	869.3	865.4	863.4	865.4	869.3
20°	1012.2	988.7	939.8	908.5	857.6	847.8	830.1	828.2	824.3	810.6	806.7
22.5°	1043.6	1006.4	937.8	875.2	834.1	800.8	769.5	749.9	747.9	738.1	732.3
25°	1078.8	1041.6	945.7	859.5	791.0	742.0	716.6	671.6	650.0	657.9	653.9
27.5°	1151.2	1082.7	959.4	838.0	755.7	679.4	620.7	593.2	565.8	565.8	569.7
30°	1217.8	1135.6	959.4	818.4	697.0	605.0	528.6	485.6	473.8	466.0	462.1
32.5°	1317.7	1202.1	1000.5	791.0	642.2	509.1	422.9	372.0	374.0	381.8	379.8
35°	1433.2	1307.9	1012.2	751.8	561.9	413.1	327.0	299.6	315.2	319.1	319.1
37.5°	1572.2	1437.1	1065.1	720.5	477.7	305.4	258.4	246.7	260.4	258.4	266.3
40°	1648.5	1499.7	1110.1	681.3	366.1	225.2	199.7	191.9	213.4	231.0	234.9
42.5°	1756.2	1574.1	1153.2	606.9	248.7	164.5	152.7	178.2	209.5	229.1	231.0
45°	1815.0	1617.2	1135.6	514.9	158.6	133.1	148.8	180.1	213.4	233.0	234.9
47.5°	1885.4	1674.0	1104.3	401.4	127.3	131.2	150.8	184.0	219.3	236.9	236.9
50°	1955.9	1730.8	1027.9	315.2	119.4	129.2	154.7	186.0	217.3	229.1	229.1
52.5°	1997.0	1779.7	937.8	229.1	117.5	129.2	156.6	188.0	215.4	221.2	221.2
55°	2034.2	1783.6	859.5	170.3	115.5	131.2	158.6	191.9	217.3	223.2	221.2
57.5°	2055.8	1758.2	804.7	146.8	113.6	131.2	160.5	195.8	233.0	246.7	242.8
60°	2044.0	1719.0	763.6	137.1	111.6	131.2	162.5	207.5	295.6	319.1	311.3
62.5°	2024.5	1691.6	677.4	125.3	107.7	131.2	164.5	234.9	328.9	340.7	330.9
65°	1999.0	1611.3	579.5	113.6	103.8	129.2	166.4	254.5	313.3	313.3	311.3
67.5°	1893.3	1503.7	432.7	101.8	97.9	129.2	170.3	250.6	301.5	327.0	327.0
70°	1752.3	1323.5	285.9	90.1	92.0	125.3	178.2	254.5	311.3	346.5	342.6
72.5°	1484.1	1098.4	158.6	78.3	84.2	123.3	178.2	270.2	336.8	375.9	370.0
75°	1211.9	812.5	113.6	70.5	76.4	119.4	180.1	280.0	360.3	401.4	391.6
77.5°	853.6	466.0	90.1	60.7	68.5	113.6	178.2	276.1	372.0	409.2	397.5
80°	360.3	168.4	74.4	54.8	58.7	101.8	164.5	264.3	372.0	432.7	426.8
82.5°	162.5	119.4	64.6	48.9	54.8	84.2	152.7	254.5	360.3	434.7	469.9
85°	127.3	97.9	54.8	43.1	48.9	80.3	137.1	242.8	344.6	401.4	440.5
87.5°	121.4	97.9	48.9	39.2	45.0	68.5	105.7	225.2	309.3	370.0	401.4
90°	131.2	101.8	39.2	33.3	41.1	60.7	86.1	189.9	268.2	325.0	325.0
92.5°	121.4	94.0	29.4	25.5	43.1	48.9	82.2	117.5	193.8	162.5	201.7
95°	101.8	78.3	19.6	17.6	41.1	41.1	45.0	54.8	135.1	3.9	0.0
97.5°	74.4	56.8	11.7	9.8	31.3	33.3	21.5	25.5	54.8	0.0	0.0
100°	54.8	37.2	7.8	7.8	19.6	27.4	13.7	13.7	0.0	0.0	0.0
102.5°	29.4	19.6	5.9	3.9	9.8	15.7	5.9	3.9	0.0	0.0	0.0
105°	15.7	7.8	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.9	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	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691519

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

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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	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	0.0	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	2.0	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)