

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: P691676

Luminaire Tested: **CRTK2-C018-D-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6860 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

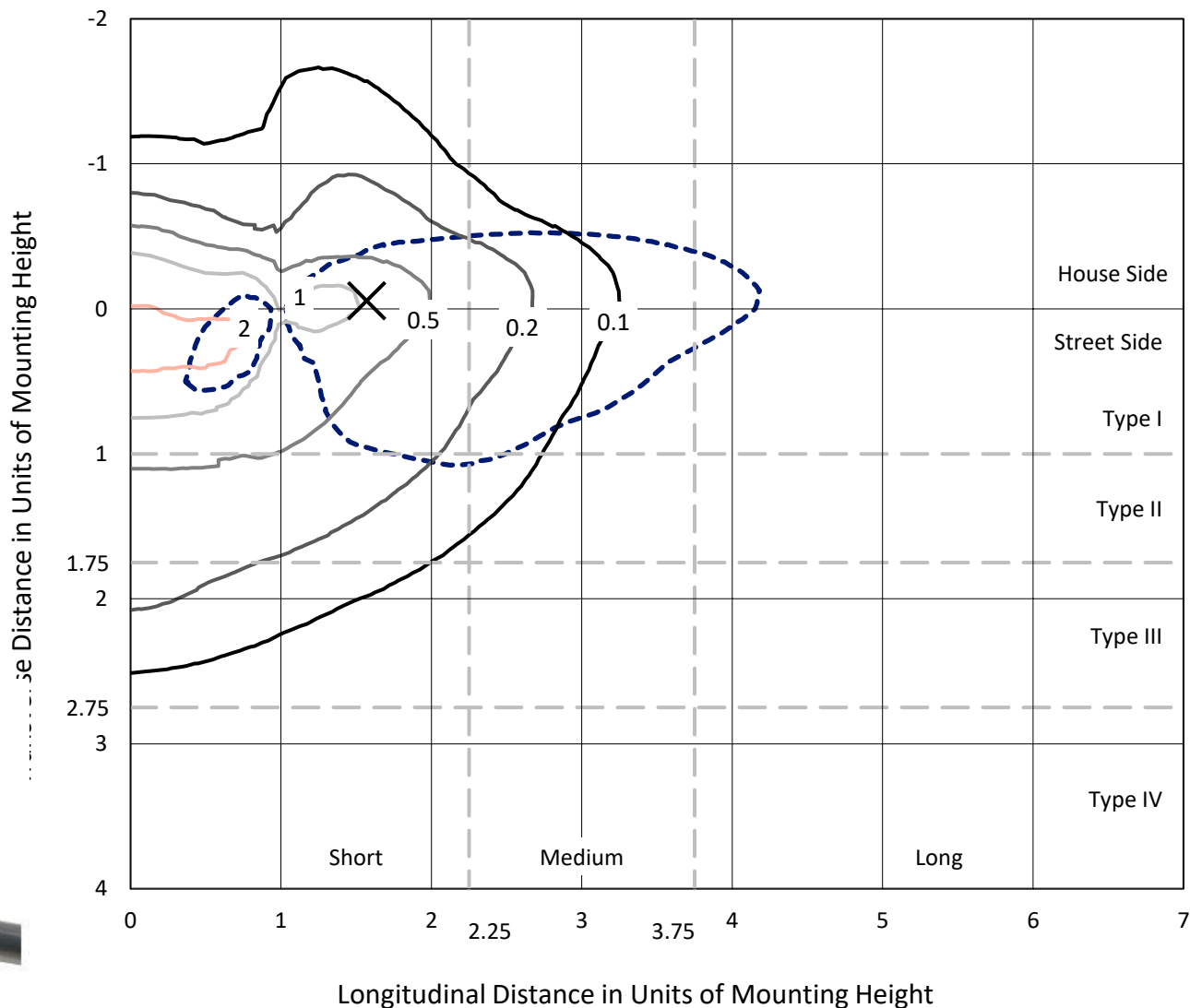
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

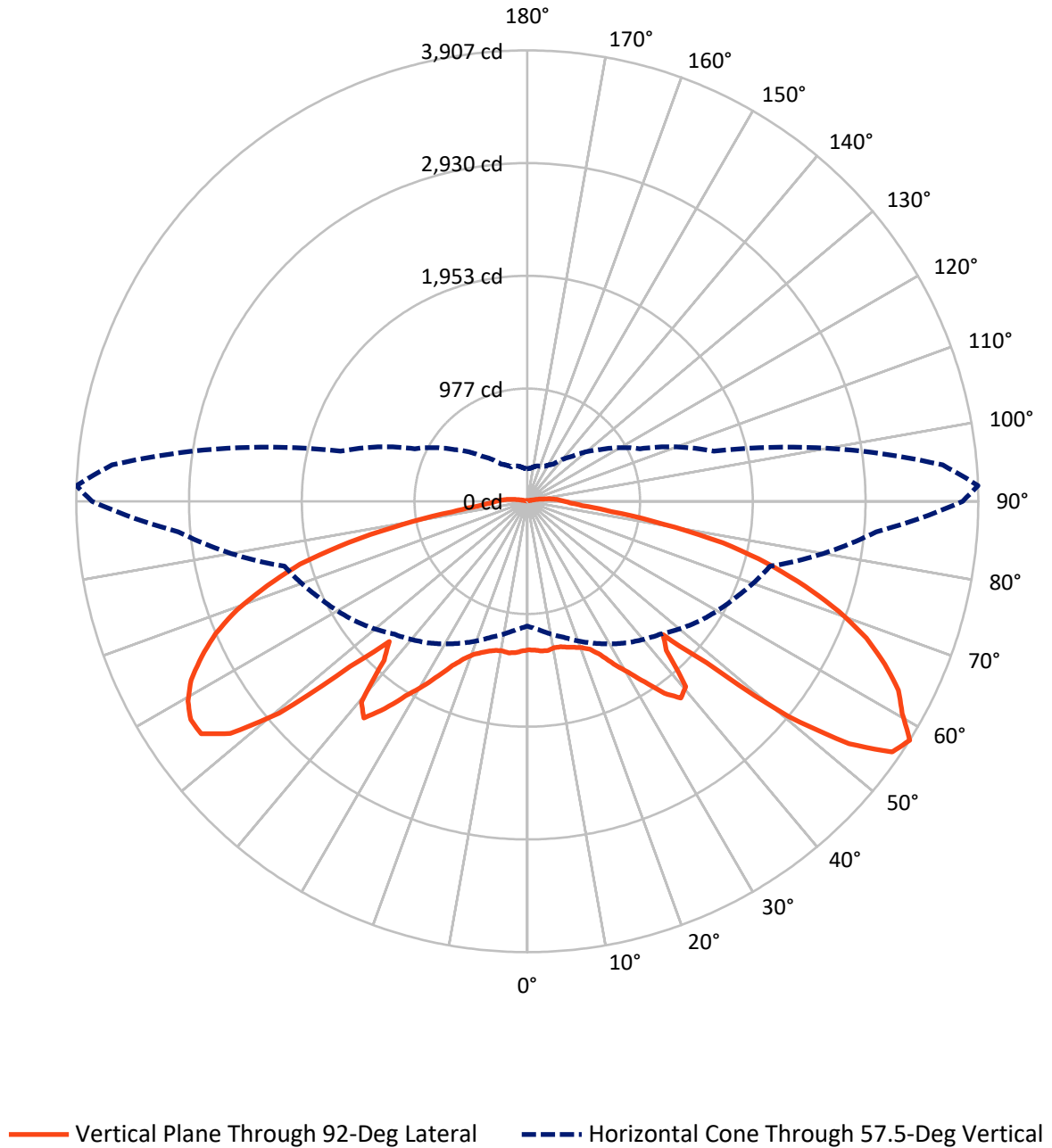
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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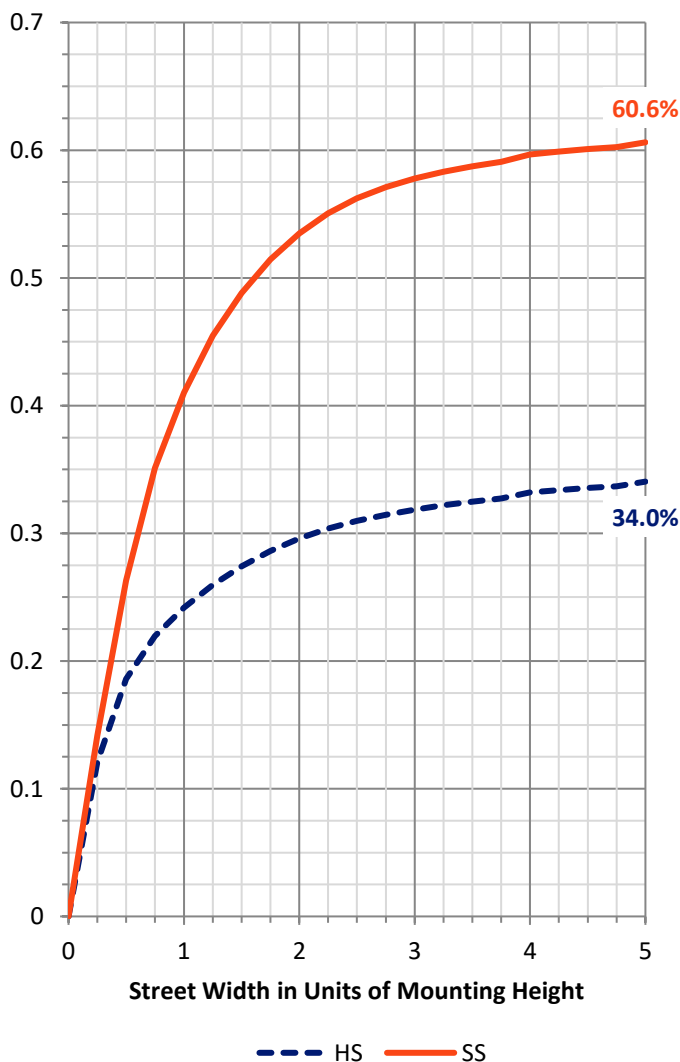
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2447.7	106.9	2554.6
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4218.0	87.3	4305.4
	% Fixture	61.5	1.3	62.8
Total	Lumens	6665.8	194.2	6860.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	1.8
10°-20°	363.5	5.3
20°-30°	602.9	8.8
30°-40°	834.4	12.2
40°-50°	779.2	11.4
50°-60°	1164.2	17.0
60°-70°	1382.9	20.2
70°-80°	1015.0	14.8
80°-90°	400.2	5.8
90°-100°	140.9	2.1
100°-110°	33.3	0.5
110°-120°	12.9	0.2
120°-130°	6.6	0.1
130°-140°	0.6	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°	6665.8	97.2
0°-180°	6860.0	100.0

Coefficient of Utilization



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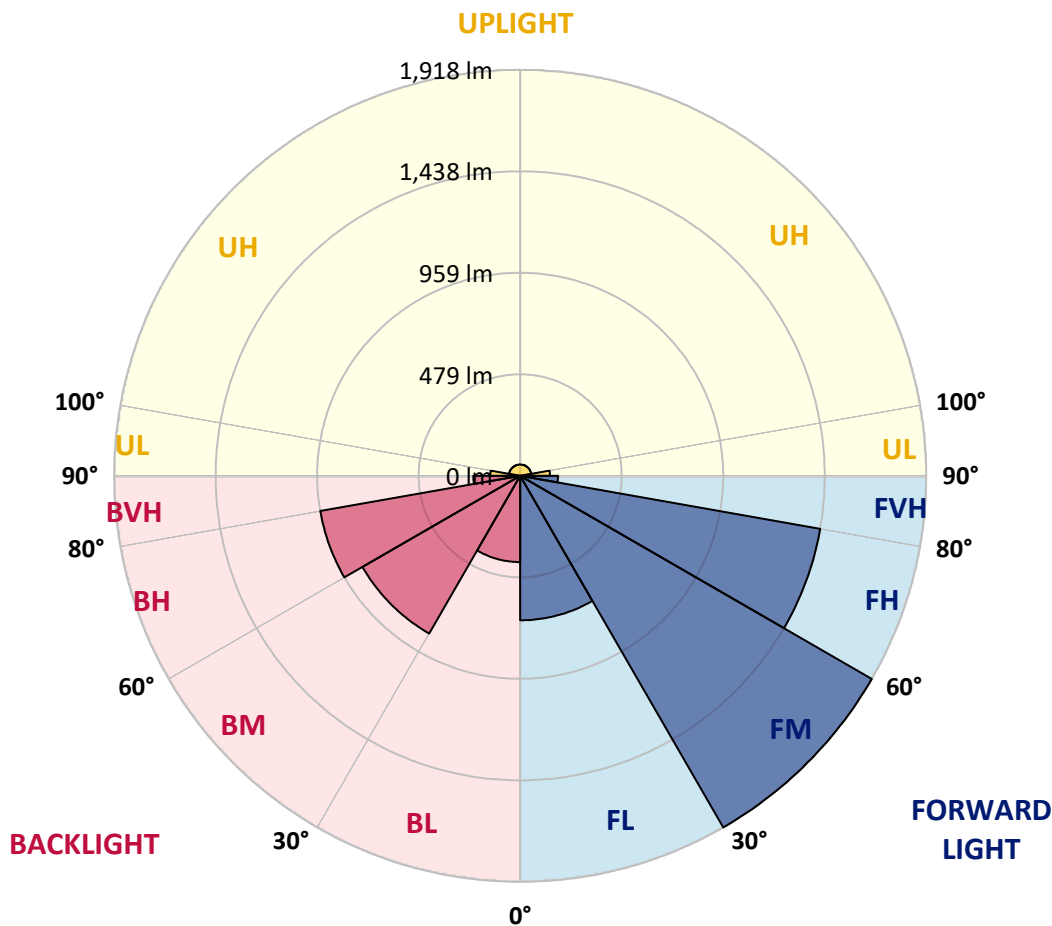
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	682.4	9.9			
FM (30°-60°)	1917.7	28.0			
FH (60°-80°)	1439.1	21.0			G1/1800
FVH (80°-90°)	178.9	2.6			G2/225
BL (0°-30°)	407.4	5.9	B1/500		
BM (30°-60°)	860.2	12.5	B1/1000		
BH (60°-80°)	958.8	14.0	B2/1000		G2/1000
BVH (80°-90°)	221.3	3.2			G2/225
UL (90°-100°)	140.9	2.1		U3/500	
UH (100°-180°)	53.3	0.8		U3/500	

BUG Rating: B2-U3-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8
2.5°	1342.3	1333.0	1335.3	1333.0	1328.4	1323.8	1319.2	1314.5	1307.6	1300.7	1296.1
5°	1420.8	1411.6	1411.6	1411.6	1402.3	1388.5	1370.0	1358.4	1342.3	1323.8	1309.9
7.5°	1474.0	1467.0	1464.7	1462.4	1450.9	1441.6	1420.8	1383.9	1358.4	1335.3	1314.5
10°	1492.4	1492.4	1490.1	1483.2	1471.6	1460.1	1446.2	1411.6	1370.0	1330.7	1303.0
12.5°	1527.1	1531.7	1524.8	1513.2	1508.6	1494.7	1474.0	1446.2	1400.0	1340.0	1307.6
15°	1580.2	1577.9	1568.7	1566.4	1561.7	1545.6	1527.1	1492.4	1439.3	1363.1	1326.1
17.5°	1603.3	1601.0	1601.0	1601.0	1601.0	1589.5	1587.2	1547.9	1492.4	1400.0	1353.8
20°	1608.0	1608.0	1614.9	1631.1	1633.4	1631.1	1642.6	1617.2	1552.5	1446.2	1383.9
22.5°	1638.0	1640.3	1651.8	1668.0	1679.6	1684.2	1693.4	1705.0	1644.9	1520.2	1441.6
25°	1621.8	1633.4	1658.8	1684.2	1711.9	1728.1	1778.9	1818.2	1767.4	1628.7	1522.5
27.5°	1594.1	1603.3	1654.2	1700.4	1762.7	1829.7	1903.7	1954.5	1924.5	1762.7	1651.8
30°	1619.5	1619.5	1651.8	1728.1	1808.9	1931.4	2040.0	2095.4	2081.6	1903.7	1802.0
32.5°	1566.4	1580.2	1649.5	1760.4	1882.9	2042.3	2153.2	2257.1	2271.0	2086.2	1922.2
35°	1409.3	1439.3	1485.5	1631.1	1839.0	2116.2	2287.2	2418.9	2476.6	2294.1	2102.4
37.5°	1164.4	1175.9	1273.0	1418.5	1665.7	1940.6	2236.3	2557.5	2677.6	2451.2	2282.6
40°	1028.1	1035.0	1097.4	1224.4	1432.4	1702.7	1952.2	2282.6	2377.3	2354.2	2194.8
42.5°	981.9	993.4	1067.3	1189.8	1365.4	1552.5	1617.2	1760.4	1723.5	1822.8	1873.6
45°	1037.3	1044.2	1097.4	1203.7	1314.5	1395.4	1349.2	1450.9	1501.7	1698.1	1709.6
47.5°	1076.6	1081.2	1139.0	1273.0	1291.4	1293.8	1356.1	1416.2	1557.1	1982.2	2171.7
50°	924.1	947.2	1058.1	1173.6	1182.9	1365.4	1543.3	1663.4	1836.7	2610.6	2973.3
52.5°	857.1	868.7	988.8	1189.8	1323.8	1536.3	1663.4	1783.5	1949.9	2883.2	3520.9
55°	940.3	958.8	1102.0	1326.1	1460.1	1605.6	1765.1	1912.9	2076.9	3024.2	3765.8
57.5°	1081.2	1115.9	1219.8	1356.1	1497.1	1628.7	1813.6	1984.5	2176.3	3033.4	3770.4
60°	1360.8	1335.3	1277.6	1337.7	1474.0	1624.1	1836.7	2019.2	2231.7	3031.1	3664.1
62.5°	1552.5	1515.5	1323.8	1296.1	1423.1	1575.6	1785.8	2014.6	2220.2	2929.4	3544.0
65°	1515.5	1490.1	1342.3	1240.6	1333.0	1497.1	1716.5	1986.8	2164.7	2820.8	3326.8
67.5°	1307.6	1277.6	1215.2	1175.9	1222.1	1413.9	1651.8	1931.4	2100.0	2696.1	3088.8
70°	1067.3	1051.2	1030.4	1072.0	1129.7	1309.9	1534.0	1811.3	1977.6	2458.1	2834.7
72.5°	905.6	896.4	871.0	914.9	1011.9	1173.6	1360.8	1638.0	1825.1	2137.0	2520.5
75°	762.4	764.7	750.8	778.6	840.9	1000.4	1148.2	1418.5	1626.4	1834.4	2180.9
77.5°	626.1	619.2	633.0	649.2	690.8	806.3	905.6	1141.3	1388.5	1455.5	1672.6
80°	457.4	469.0	494.4	492.1	526.7	577.6	644.6	769.3	974.9	1041.9	1125.1
82.5°	323.4	337.3	360.4	335.0	339.6	353.5	383.5	441.3	549.8	616.8	686.2
85°	228.7	235.6	240.3	221.8	221.8	231.0	251.8	293.4	360.4	402.0	439.0
87.5°	166.3	168.7	177.9	168.7	171.0	175.6	194.1	221.8	277.2	307.3	337.3
90°	127.1	127.1	131.7	129.4	134.0	143.2	161.7	184.8	226.4	263.4	291.1
92.5°	92.4	92.4	97.0	99.3	101.7	113.2	129.4	147.9	175.6	221.8	249.5
95°	71.6	71.6	76.2	76.2	78.5	87.8	101.7	120.1	140.9	173.3	198.7
97.5°	53.1	53.1	57.8	57.8	60.1	67.0	78.5	90.1	108.6	129.4	140.9
100°	41.6	41.6	43.9	43.9	46.2	53.1	60.1	67.0	71.6	83.2	87.8
102.5°	34.7	34.7	34.7	34.7	34.7	39.3	41.6	41.6	43.9	50.8	53.1
105°	27.7	27.7	27.7	25.4	25.4	27.7	27.7	27.7	30.0	30.0	32.3
107.5°	20.8	20.8	20.8	20.8	20.8	23.1	23.1	23.1	23.1	25.4	25.4
110°	18.5	18.5	18.5	18.5	18.5	18.5	20.8	20.8	20.8	20.8	20.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.2	16.2	16.2	16.2	16.2	16.2	18.5	18.5	18.5	18.5	18.5
115°	13.9	13.9	13.9	13.9	13.9	16.2	18.5	16.2	16.2	16.2	16.2
117.5°	11.6	11.6	11.6	13.9	13.9	13.9	16.2	13.9	13.9	13.9	16.2
120°	9.2	9.2	11.6	11.6	11.6	11.6	11.6	11.6	13.9	13.9	13.9
122.5°	9.2	9.2	9.2	9.2	9.2	11.6	11.6	11.6	11.6	11.6	13.9
125°	6.9	6.9	6.9	9.2	9.2	9.2	9.2	9.2	9.2	11.6	11.6
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.2	9.2	9.2
130°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8	1286.8
2.5°	1291.4	1291.4	1277.6	1263.7	1249.9	1236.0	1224.4	1217.5	1208.3	1210.6	1210.6
5°	1303.0	1296.1	1266.0	1247.5	1226.8	1208.3	1189.8	1173.6	1169.0	1166.7	1157.4
7.5°	1305.3	1293.8	1261.4	1233.7	1194.4	1150.5	1129.7	1111.2	1099.7	1108.9	1104.3
10°	1289.1	1275.3	1238.3	1196.7	1141.3	1104.3	1072.0	1053.5	1044.2	1046.6	1044.2
12.5°	1293.8	1277.6	1217.5	1155.1	1108.9	1046.6	1007.3	991.1	979.6	979.6	972.6
15°	1312.2	1284.5	1199.0	1134.3	1058.1	1005.0	958.8	947.2	942.6	938.0	931.0
17.5°	1330.7	1291.4	1196.7	1097.4	1011.9	954.1	907.9	887.1	875.6	875.6	873.3
20°	1353.8	1305.3	1182.9	1058.1	968.0	891.8	836.3	817.8	808.6	806.3	801.7
22.5°	1393.1	1342.3	1175.9	1041.9	910.2	831.7	778.6	743.9	725.4	723.1	723.1
25°	1471.6	1409.3	1189.8	998.0	871.0	769.3	704.6	670.0	649.2	649.2	646.9
27.5°	1596.4	1497.1	1210.6	981.9	797.0	702.3	635.3	582.2	563.7	563.7	566.0
30°	1718.8	1631.1	1263.7	947.2	755.5	614.5	533.7	494.4	471.3	462.1	464.4
32.5°	1864.4	1772.0	1337.7	924.1	672.3	510.6	436.6	415.8	381.2	372.0	365.0
35°	2042.3	1908.3	1420.8	891.8	607.6	434.3	374.3	332.7	316.5	305.0	302.6
37.5°	2162.4	2044.6	1494.7	898.7	517.5	392.7	325.7	281.9	265.7	268.0	268.0
40°	2111.6	1975.3	1513.2	852.5	441.3	341.9	272.6	247.2	238.0	240.3	242.6
42.5°	1765.1	1693.4	1252.2	762.4	365.0	274.9	228.7	228.7	235.6	228.7	228.7
45°	1649.5	1469.3	910.2	536.0	274.9	226.4	217.2	224.1	240.3	240.3	240.3
47.5°	2088.5	1885.2	815.5	448.2	307.3	254.1	235.6	224.1	226.4	224.1	224.1
50°	2929.4	2610.6	1095.1	559.1	372.0	302.6	268.0	244.9	244.9	240.3	235.6
52.5°	3488.5	3153.5	1333.0	700.0	466.7	353.5	307.3	265.7	251.8	242.6	240.3
55°	3835.1	3580.9	1538.6	896.4	607.6	420.5	341.9	298.0	277.2	258.8	256.4
57.5°	3906.7	3611.0	1675.0	1076.6	783.2	552.2	392.7	330.4	316.5	286.5	281.9
60°	3731.1	3534.7	1728.1	1194.4	935.7	727.7	512.9	383.5	353.5	332.7	328.1
62.5°	3608.7	3382.2	1709.6	1233.7	1030.4	873.3	674.6	471.3	385.8	388.1	408.9
65°	3403.0	3250.6	1573.3	1175.9	1025.8	921.8	757.8	545.2	397.4	392.7	418.2
67.5°	3167.4	3047.3	1437.0	1048.9	944.9	854.8	704.6	519.8	376.6	353.5	355.8
70°	2864.7	2763.1	1298.4	977.2	871.0	757.8	612.2	450.5	372.0	335.0	335.0
72.5°	2515.9	2395.8	1182.9	924.1	831.7	727.7	586.8	434.3	399.7	385.8	397.4
75°	2146.2	1993.8	1092.8	873.3	804.0	727.7	584.5	434.3	399.7	388.1	388.1
77.5°	1730.4	1640.3	995.7	792.4	748.5	693.1	538.3	404.3	392.7	388.1	388.1
80°	1196.7	1182.9	810.9	688.5	676.9	656.1	506.0	390.4	390.4	383.5	374.3
82.5°	734.7	700.0	579.9	515.2	554.5	584.5	459.7	367.3	358.1	351.2	346.5
85°	475.9	478.2	406.6	360.4	383.5	445.9	388.1	332.7	318.8	323.4	323.4
87.5°	365.0	376.6	318.8	293.4	288.8	302.6	305.0	298.0	288.8	281.9	284.2
90°	314.2	318.8	256.4	235.6	233.3	238.0	238.0	251.8	251.8	228.7	214.9
92.5°	263.4	270.3	212.5	191.8	191.8	198.7	203.3	203.3	184.8	150.2	134.0
95°	207.9	212.5	168.7	152.5	154.8	154.8	152.5	145.5	113.2	67.0	60.1
97.5°	145.5	147.9	124.8	115.5	117.8	113.2	99.3	90.1	69.3	39.3	37.0
100°	92.4	94.7	78.5	76.2	83.2	73.9	64.7	60.1	41.6	25.4	30.0
102.5°	55.4	55.4	48.5	46.2	50.8	43.9	39.3	32.3	25.4	16.2	20.8
105°	32.3	32.3	30.0	30.0	30.0	27.7	25.4	20.8	13.9	11.6	11.6
107.5°	25.4	25.4	23.1	23.1	20.8	20.8	18.5	13.9	9.2	6.9	6.9
110°	20.8	20.8	18.5	18.5	18.5	16.2	13.9	11.6	6.9	4.6	4.6



REPORT NUMBER: P691676
 CATALOG NUMBER: CRTK2-C018-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	18.5	16.2	16.2	13.9	13.9	11.6	9.2	6.9	4.6	4.6
115°	16.2	16.2	13.9	11.6	11.6	11.6	9.2	6.9	4.6	2.3	4.6
117.5°	16.2	16.2	11.6	9.2	9.2	9.2	6.9	6.9	4.6	2.3	2.3
120°	13.9	13.9	9.2	9.2	6.9	6.9	6.9	4.6	2.3	2.3	2.3
122.5°	11.6	11.6	9.2	6.9	6.9	6.9	4.6	4.6	2.3	2.3	2.3
125°	11.6	11.6	6.9	6.9	6.9	4.6	4.6	4.6	2.3	0.0	0.0
127.5°	9.2	9.2	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
130°	6.9	6.9	6.9	6.9	4.6	4.6	4.6	2.3	2.3	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

(END OF REPORT)