

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: P691508

Luminaire Tested: **CRTK2-C016-D-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5743 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

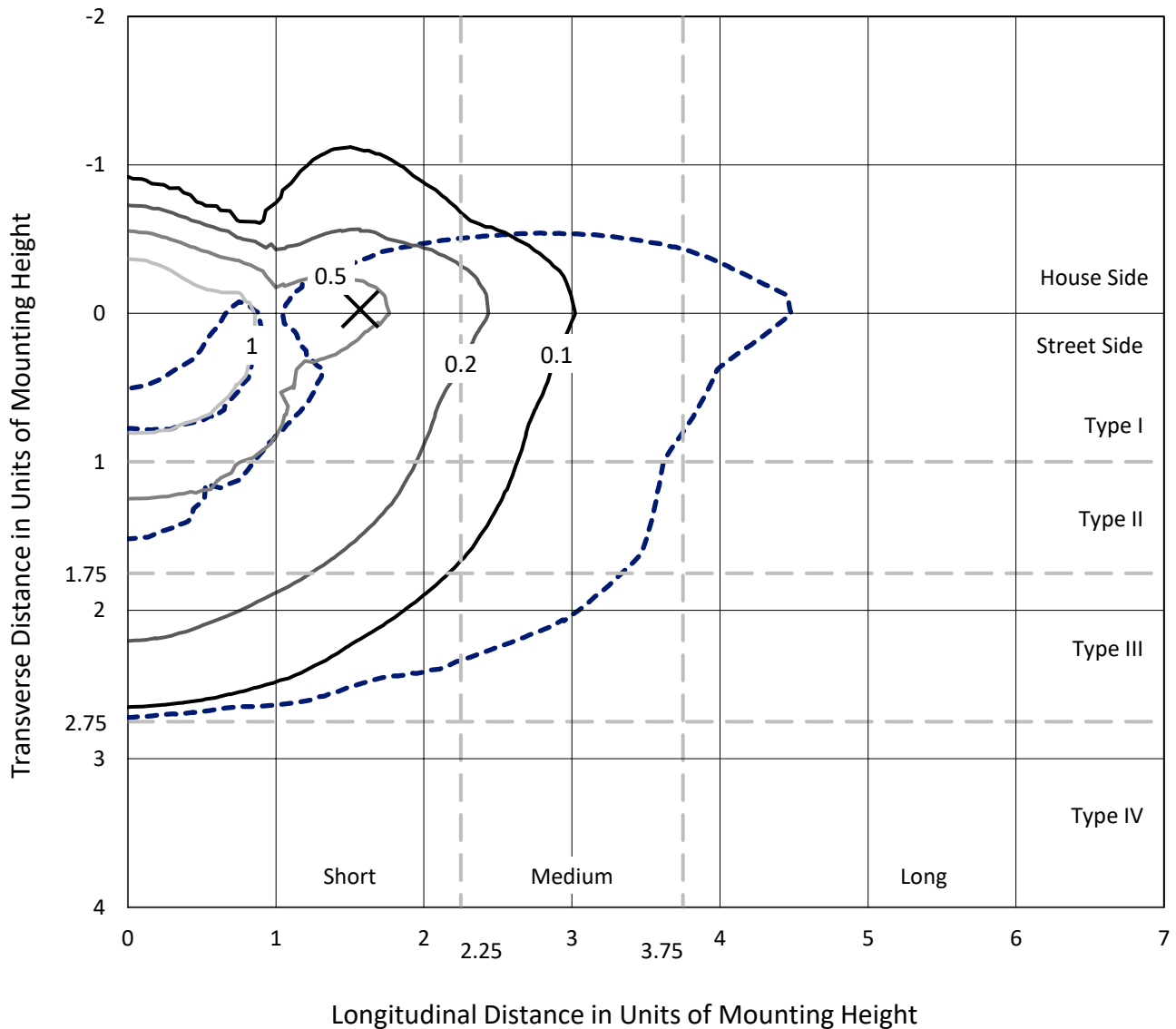
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691508
 CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

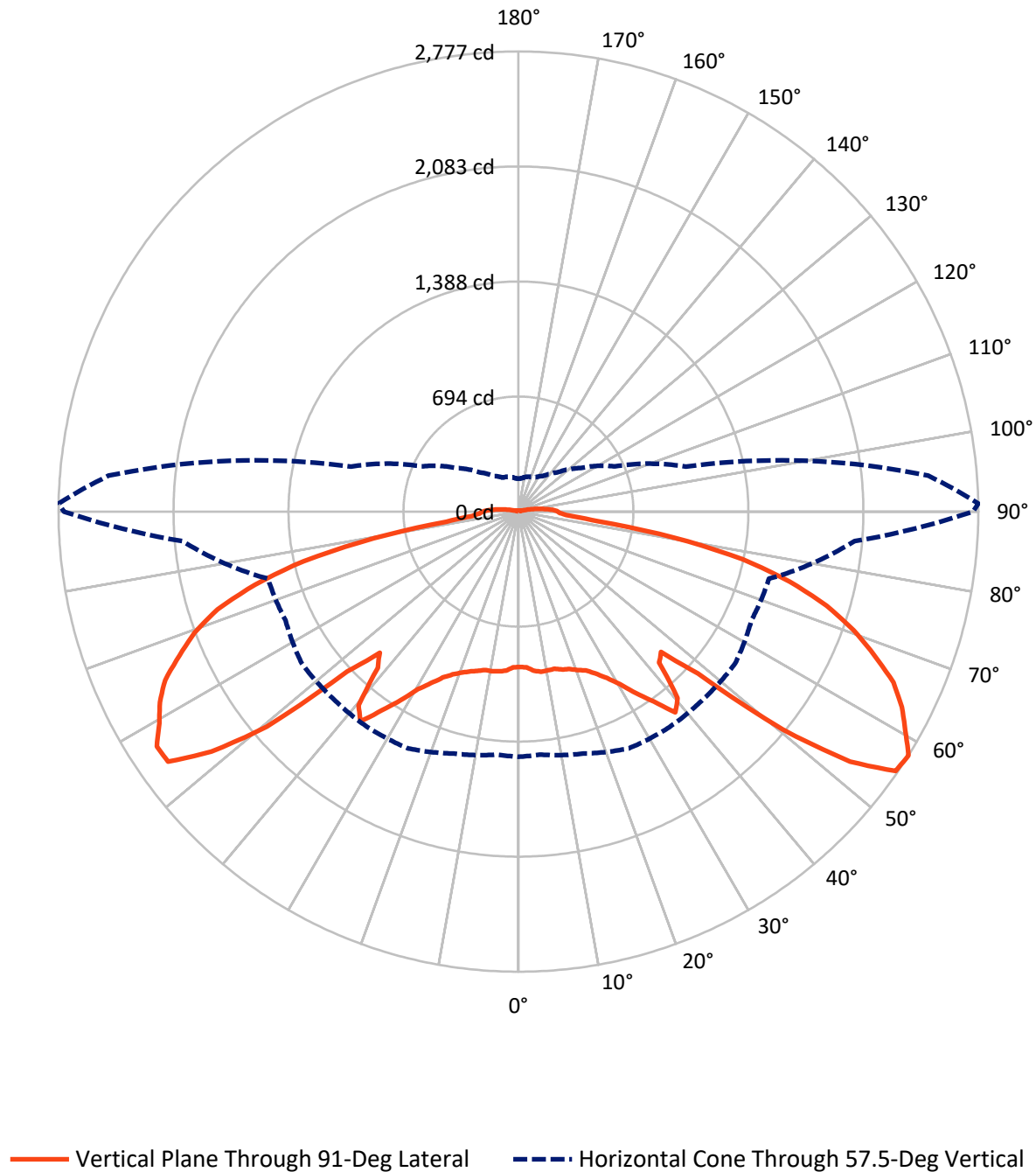
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P691508
CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691508

CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

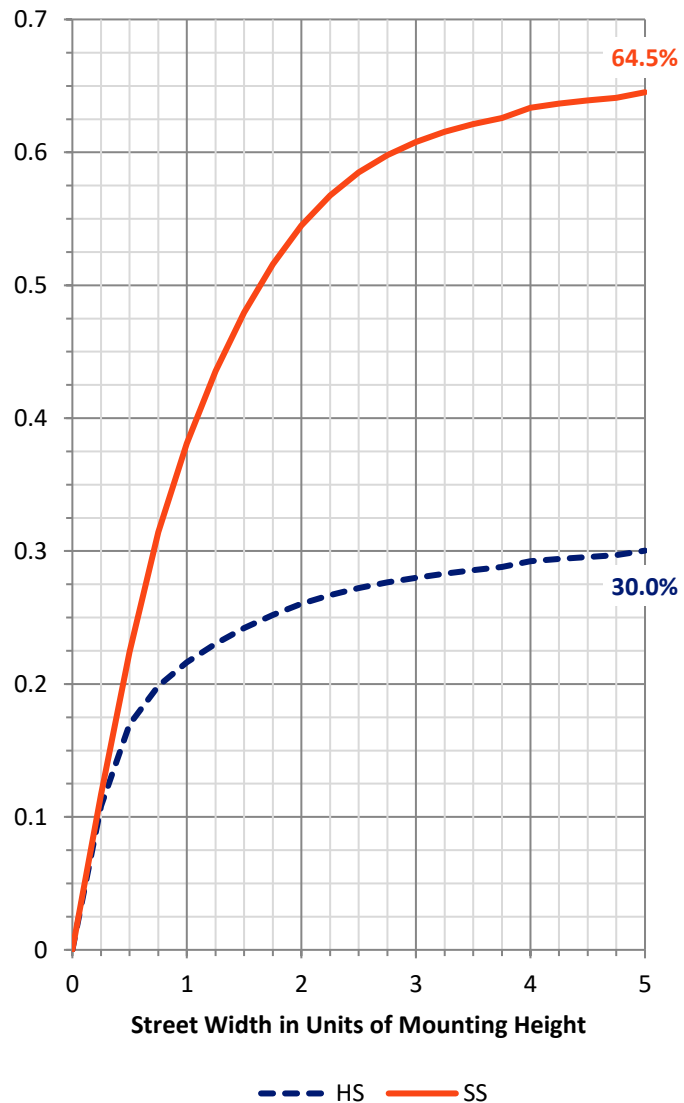
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1822.9	88.6	1911.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	3755.6	75.8	3831.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	5578.5	164.5	5743.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.6
10°-20°	279.1	4.9
20°-30°	474.5	8.3
30°-40°	667.7	11.6
40°-50°	634.1	11.0
50°-60°	949.8	16.5
60°-70°	1229.1	21.4
70°-80°	930.2	16.2
80°-90°	322.2	5.6
90°-100°	121.0	2.1
100°-110°	28.3	0.5
110°-120°	9.7	0.2
120°-130°	5.0	0.1
130°-140°	0.4	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°	5578.5	97.1
0°-180°	5743.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691508

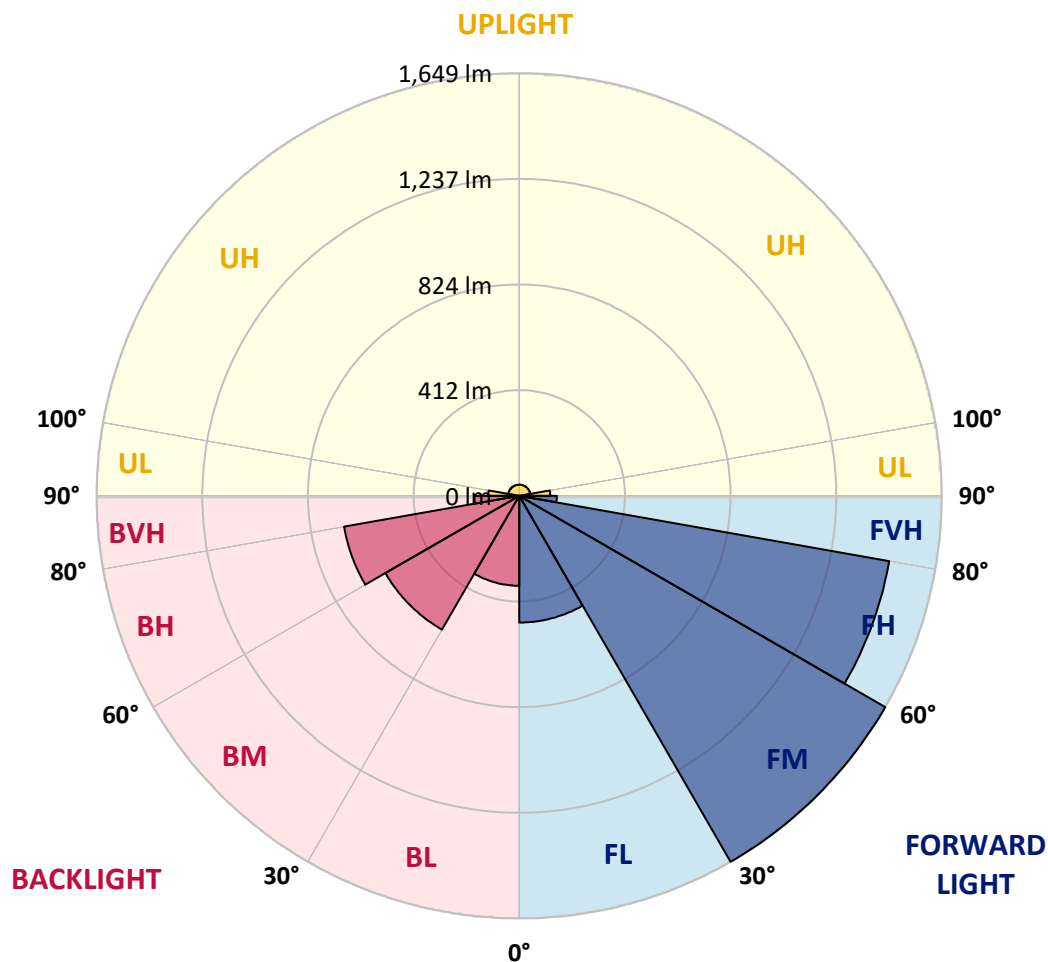
CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	494.4	8.6			
FM	(30°-60°)	1648.7	28.7			
FH	(60°-80°)	1465.5	25.5			G1/1800
FVH	(80°-90°)	146.9	2.6			G2/225
BL	(0°-30°)	350.9	6.1	B1/500		
BM	(30°-60°)	602.9	10.5	B1/1000		
BH	(60°-80°)	693.8	12.1	B2/1000		G2/1000
BVH	(80°-90°)	175.3	3.1			G2/225
UL	(90°-100°)	121.0	2.1		U3/500	
UH	(100°-180°)	43.5	0.8		U2/50	

BUG Rating: B2-U3-G2

Type III Short





REPORT NUMBER: P691508

CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7
2.5°	920.5	920.5	920.5	922.4	928.1	932.0	933.9	932.0	933.9	937.7	941.5
5°	947.2	945.3	943.4	939.6	937.7	937.7	939.6	939.6	943.4	956.7	964.3
7.5°	971.9	968.1	966.2	966.2	964.3	954.8	952.9	947.2	945.3	962.4	973.8
10°	1017.5	1013.7	1002.3	989.0	985.2	973.8	956.7	952.9	954.8	973.8	977.6
12.5°	1059.4	1057.5	1049.9	1036.6	1017.5	1006.1	981.4	970.0	971.9	983.3	975.7
15°	1129.8	1122.1	1099.3	1087.9	1068.9	1048.0	1015.6	1002.3	1006.1	996.6	992.8
17.5°	1171.6	1165.9	1165.9	1145.0	1131.7	1095.5	1065.1	1040.4	1049.9	1025.1	1004.2
20°	1209.6	1209.6	1211.5	1215.3	1190.6	1162.1	1120.2	1089.8	1091.7	1055.6	1025.1
22.5°	1268.6	1262.9	1268.6	1274.3	1257.2	1232.5	1181.1	1150.7	1137.4	1091.7	1051.8
25°	1329.5	1325.7	1325.7	1340.9	1346.6	1308.5	1261.0	1228.7	1209.6	1143.1	1089.8
27.5°	1390.3	1392.2	1397.9	1403.6	1413.1	1394.1	1346.6	1321.8	1297.1	1203.9	1150.7
30°	1439.8	1436.0	1460.7	1474.0	1483.5	1491.1	1437.9	1411.2	1384.6	1281.9	1219.1
32.5°	1494.9	1494.9	1517.7	1542.5	1555.8	1571.0	1527.3	1510.1	1481.6	1375.1	1333.3
35°	1540.6	1540.6	1574.8	1616.6	1641.4	1652.8	1630.0	1628.1	1622.4	1502.5	1441.7
37.5°	1386.5	1405.5	1458.8	1542.5	1637.6	1713.6	1719.4	1757.4	1776.4	1647.1	1569.1
40°	1209.6	1215.3	1278.1	1352.3	1441.7	1536.8	1628.1	1740.3	1727.0	1571.0	1502.5
42.5°	1089.8	1105.0	1184.9	1242.0	1300.9	1359.9	1359.9	1356.1	1261.0	1289.5	1262.9
45°	1078.4	1082.2	1148.8	1234.4	1257.2	1175.4	1061.3	998.5	1006.1	1145.0	1207.7
47.5°	1196.3	1202.0	1270.5	1352.3	1270.5	1125.9	1013.7	1004.2	998.5	1243.9	1456.9
50°	1259.1	1262.9	1327.6	1369.4	1242.0	1240.1	1242.0	1207.7	1177.3	1631.9	2090.2
52.5°	1297.1	1300.9	1297.1	1350.4	1306.6	1407.4	1373.2	1316.1	1293.3	1890.5	2468.7
55°	1196.3	1221.0	1323.8	1464.5	1468.3	1502.5	1489.2	1437.9	1436.0	1987.5	2752.1
57.5°	1479.7	1472.1	1512.0	1576.7	1588.1	1590.0	1597.6	1552.0	1565.3	2037.0	2744.5
60°	1675.6	1654.7	1612.8	1643.3	1656.6	1677.5	1704.1	1652.8	1668.0	2080.7	2624.7
62.5°	1860.1	1827.8	1666.1	1660.4	1681.3	1723.2	1761.2	1721.3	1734.6	2095.9	2541.0
65°	1833.5	1804.9	1683.2	1616.6	1647.1	1704.1	1757.4	1738.4	1734.6	2063.6	2438.3
67.5°	1580.5	1582.4	1569.1	1569.1	1557.7	1639.5	1725.1	1727.0	1707.9	1981.8	2284.2
70°	1358.0	1350.4	1371.3	1451.2	1462.6	1559.6	1673.7	1692.7	1668.0	1890.5	2135.9
72.5°	1156.4	1150.7	1154.5	1221.0	1316.1	1422.7	1552.0	1597.6	1561.5	1727.0	1955.2
75°	956.7	951.0	949.1	971.9	1048.0	1181.1	1329.5	1411.2	1380.8	1489.2	1690.8
77.5°	726.5	715.1	715.1	722.7	779.8	899.6	1042.3	1156.4	1141.2	1200.1	1363.7
80°	483.1	485.0	481.2	479.3	517.3	587.7	692.3	829.2	821.6	821.6	905.3
82.5°	306.2	306.2	311.9	292.9	289.1	296.7	321.4	376.6	380.4	416.5	445.1
85°	195.9	197.8	197.8	178.8	173.1	178.8	195.9	213.0	220.6	256.8	289.1
87.5°	142.6	142.6	138.8	135.0	136.9	142.6	156.0	171.2	184.5	213.0	241.5
90°	108.4	108.4	106.5	104.6	108.4	116.0	133.1	150.3	167.4	199.7	226.3
92.5°	89.4	89.4	87.5	87.5	89.4	95.1	110.3	129.3	146.4	173.1	197.8
95°	74.2	76.1	74.2	76.1	78.0	81.8	91.3	106.5	117.9	135.0	152.2
97.5°	59.0	60.9	60.9	60.9	62.8	68.5	74.2	83.7	91.3	98.9	110.3
100°	43.7	45.6	45.6	45.6	47.5	53.3	59.0	62.8	64.7	66.6	72.3
102.5°	32.3	34.2	34.2	34.2	34.2	38.0	39.9	41.8	41.8	41.8	43.7
105°	22.8	22.8	22.8	22.8	22.8	22.8	24.7	24.7	24.7	24.7	24.7
107.5°	17.1	17.1	17.1	17.1	17.1	17.1	19.0	19.0	19.0	19.0	19.0
110°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	17.1	15.2	15.2	17.1



REPORT NUMBER: P691508

CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.3	13.3	13.3	13.3	13.3	13.3	15.2	15.2	13.3	13.3	13.3
115°	11.4	11.4	11.4	11.4	11.4	11.4	13.3	13.3	11.4	11.4	11.4
117.5°	9.5	9.5	9.5	9.5	9.5	9.5	11.4	11.4	9.5	11.4	11.4
120°	9.5	11.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	11.4
122.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5
125°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
127.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6
130°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7	937.7
2.5°	941.5	945.3	952.9	960.5	968.1	975.7	979.5	981.4	983.3	979.5	981.4
5°	964.3	968.1	979.5	990.9	989.0	983.3	975.7	975.7	977.6	977.6	981.4
7.5°	975.7	981.4	977.6	979.5	983.3	977.6	970.0	960.5	949.1	949.1	951.0
10°	973.8	968.1	973.8	968.1	954.8	952.9	949.1	935.8	928.1	930.0	930.0
12.5°	973.8	971.9	960.5	954.8	943.4	922.4	912.9	916.7	907.2	909.1	905.3
15°	989.0	975.7	960.5	941.5	916.7	905.3	892.0	871.1	869.2	869.2	869.2
17.5°	998.5	989.0	954.8	916.7	899.6	871.1	855.9	850.2	835.0	840.7	844.5
20°	1021.3	998.5	949.1	909.1	850.2	833.0	808.3	802.6	795.0	772.2	764.6
22.5°	1040.4	1019.4	943.4	873.0	823.5	783.6	745.6	718.9	705.6	696.1	688.5
25°	1082.2	1049.9	949.1	855.9	779.8	728.4	694.2	646.7	614.3	610.5	614.3
27.5°	1137.4	1086.0	962.4	833.0	745.6	665.7	597.2	564.9	530.6	519.2	521.1
30°	1207.7	1139.3	960.5	812.1	684.7	593.4	505.9	450.8	424.1	412.7	410.8
32.5°	1308.5	1213.4	1004.2	785.5	629.5	492.6	397.5	329.0	315.7	313.8	311.9
35°	1407.4	1333.3	1025.1	745.6	549.7	395.6	300.5	258.7	256.8	254.9	253.0
37.5°	1538.7	1451.2	1084.1	720.8	473.6	298.6	241.5	211.1	205.4	195.9	199.7
40°	1479.7	1407.4	1101.2	682.8	367.1	220.6	180.7	156.0	152.2	154.1	152.2
42.5°	1245.8	1192.5	960.5	587.7	253.0	161.7	135.0	138.8	146.4	152.2	152.2
45°	1207.7	1103.1	692.3	416.5	163.6	135.0	131.2	136.9	150.3	163.6	165.5
47.5°	1458.8	1325.7	606.7	321.4	188.3	154.1	140.7	140.7	148.4	150.3	148.4
50°	2067.4	1865.8	709.4	369.0	233.9	186.4	161.7	152.2	156.0	159.8	157.9
52.5°	2506.8	2253.8	808.3	441.3	292.9	222.5	190.2	167.4	163.6	163.6	161.7
55°	2763.5	2476.3	924.3	544.0	367.1	268.2	220.6	194.0	184.5	176.9	176.9
57.5°	2776.8	2483.9	1046.1	644.8	458.4	334.7	262.5	226.3	218.7	201.6	197.8
60°	2683.6	2451.6	1139.3	745.6	545.9	427.9	334.7	281.5	272.0	262.5	256.8
62.5°	2598.1	2398.3	1184.9	829.2	639.1	532.5	426.0	351.9	321.4	332.8	340.4
65°	2487.7	2339.4	1154.5	836.9	680.9	595.3	492.6	384.2	332.8	357.6	370.9
67.5°	2318.5	2185.3	1078.4	768.4	635.2	557.3	462.2	361.4	321.4	330.9	330.9
70°	2147.3	2004.6	1004.2	715.1	572.5	490.7	401.3	323.3	317.6	311.9	311.9
72.5°	1945.7	1776.4	907.2	682.8	547.8	477.4	389.9	325.2	340.4	348.1	348.1
75°	1690.8	1502.5	804.5	654.3	536.3	486.9	391.8	350.0	376.6	380.4	380.4
77.5°	1384.6	1179.2	684.7	602.9	504.0	467.9	365.2	344.3	370.9	376.6	378.5
80°	952.9	835.0	574.4	524.9	450.8	420.3	336.6	334.7	361.4	374.7	376.6
82.5°	483.1	475.5	418.4	412.7	384.2	367.1	311.9	325.2	353.8	372.8	374.7
85°	298.6	310.0	279.6	275.8	285.3	292.9	283.4	310.0	330.9	351.9	355.7
87.5°	249.2	262.5	233.9	222.5	226.3	239.6	251.1	279.6	298.6	315.7	317.6
90°	233.9	245.4	199.7	190.2	197.8	207.3	214.9	230.1	245.4	254.9	254.9
92.5°	205.4	209.2	165.5	157.9	169.3	175.0	173.1	176.9	176.9	157.9	157.9
95°	157.9	157.9	125.5	125.5	135.0	136.9	123.6	112.2	104.6	62.8	53.3
97.5°	114.1	112.2	91.3	91.3	98.9	97.0	81.8	68.5	57.1	36.1	38.0
100°	76.1	74.2	60.9	64.7	68.5	60.9	51.4	41.8	34.2	22.8	26.6
102.5°	45.6	43.7	39.9	41.8	39.9	38.0	30.4	24.7	20.9	13.3	15.2
105°	26.6	24.7	24.7	24.7	24.7	22.8	20.9	15.2	11.4	7.6	7.6
107.5°	19.0	19.0	19.0	17.1	17.1	15.2	13.3	11.4	7.6	5.7	3.8
110°	17.1	15.2	15.2	15.2	13.3	13.3	11.4	9.5	5.7	3.8	3.8



REPORT NUMBER: P691508

CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.3	13.3	13.3	11.4	11.4	9.5	7.6	7.6	5.7	1.9	1.9
115°	11.4	11.4	9.5	9.5	7.6	7.6	5.7	5.7	3.8	1.9	1.9
117.5°	11.4	11.4	7.6	7.6	5.7	5.7	5.7	3.8	1.9	1.9	1.9
120°	11.4	9.5	7.6	5.7	5.7	5.7	3.8	3.8	1.9	0.0	1.9
122.5°	9.5	9.5	5.7	5.7	3.8	3.8	3.8	1.9	1.9	0.0	0.0
125°	7.6	7.6	5.7	3.8	3.8	3.8	3.8	1.9	1.9	0.0	0.0
127.5°	7.6	7.6	5.7	3.8	3.8	3.8	3.8	1.9	1.9	0.0	0.0
130°	5.7	5.7	3.8	3.8	3.8	3.8	1.9	1.9	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

(END OF REPORT)