

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: P691416

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691416
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-C016-5TLD-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: 6033 lumens
Efficiency: N/A
Efficacy: 141.0 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): 42.8
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

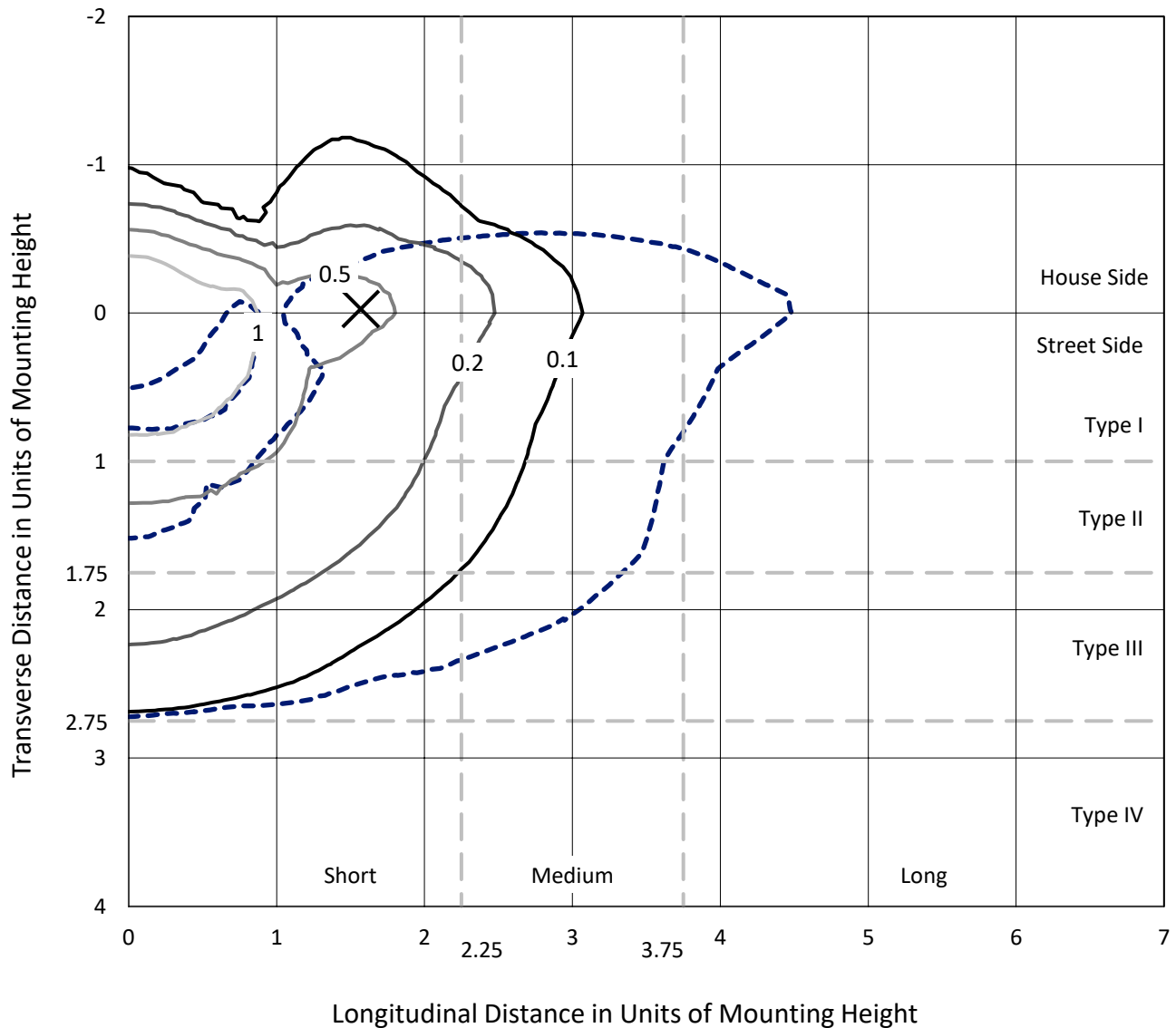


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

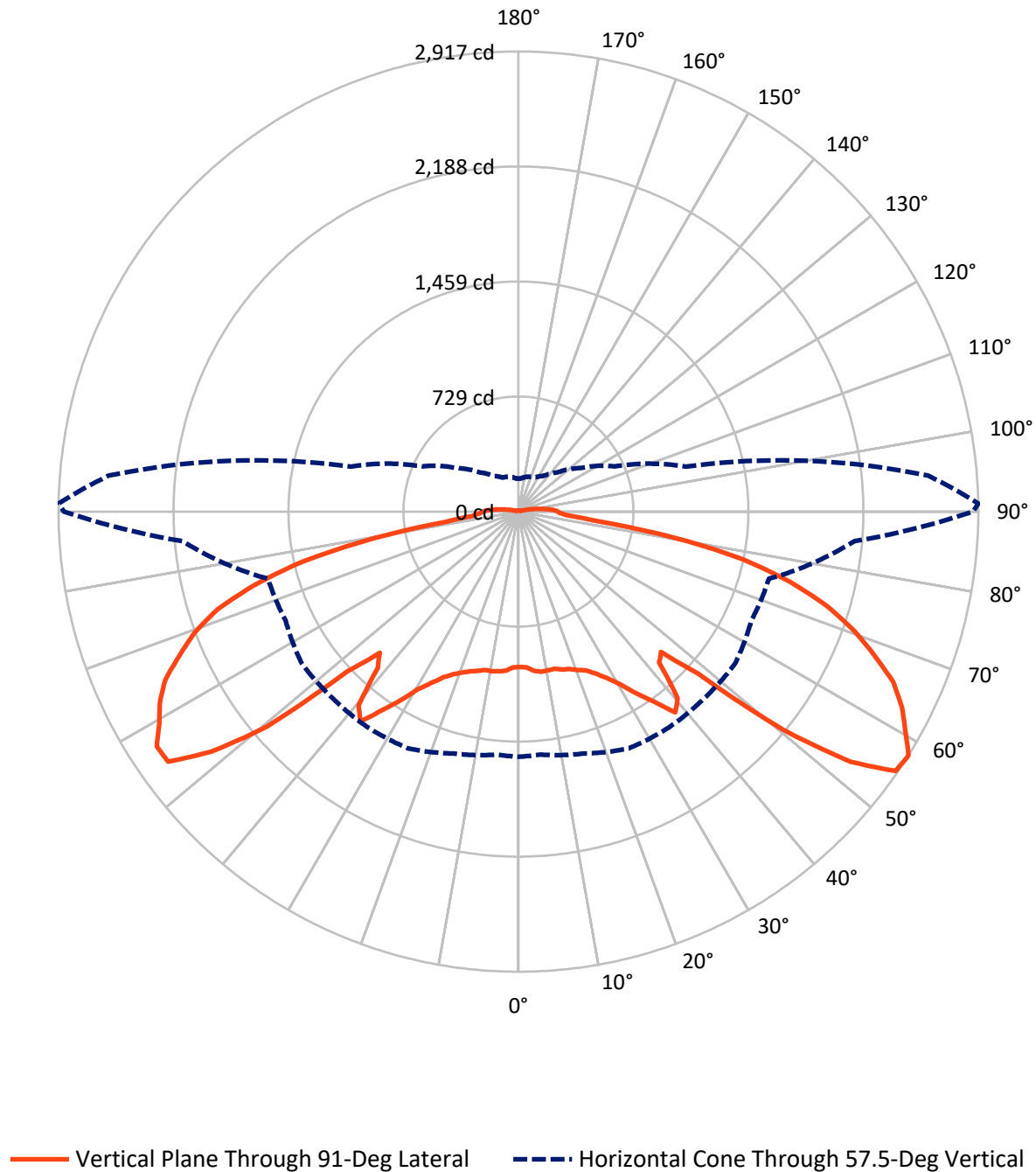


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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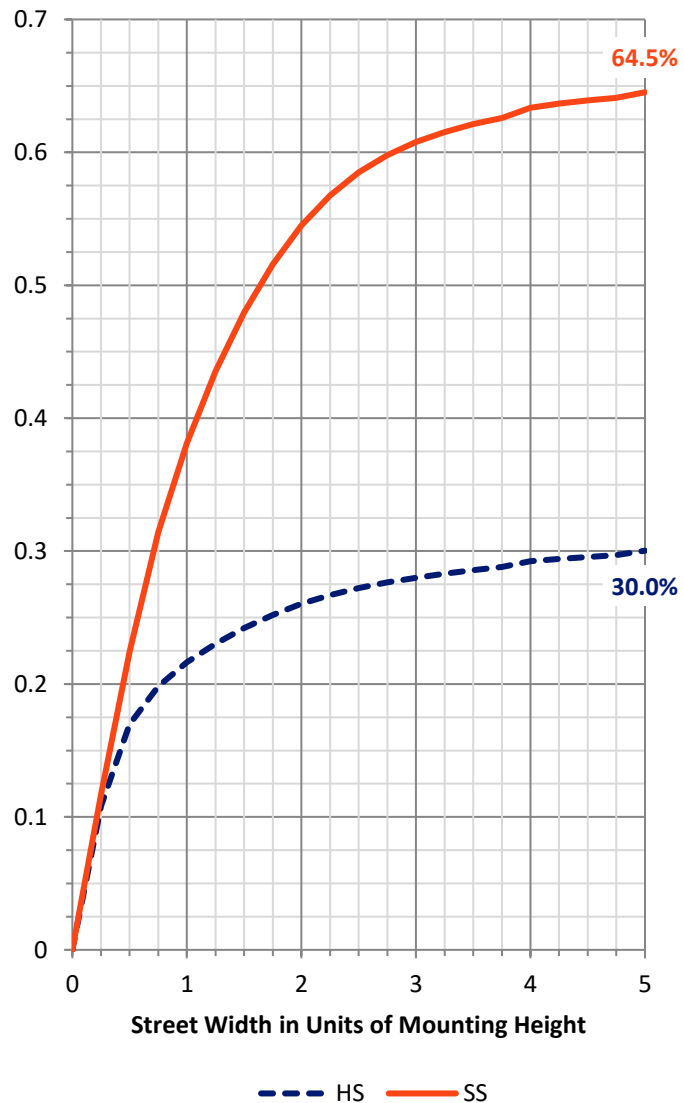
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1915.0	93.1	2008.1
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	3945.2	79.7	4024.9
	% Fixture	65.4	1.3	66.7
Total	Lumens	5860.2	172.8	6033.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	1.6
10°-20°	293.2	4.9
20°-30°	498.5	8.3
30°-40°	701.4	11.6
40°-50°	666.1	11.0
50°-60°	997.8	16.5
60°-70°	1291.2	21.4
70°-80°	977.2	16.2
80°-90°	338.5	5.6
90°-100°	127.1	2.1
100°-110°	29.8	0.5
110°-120°	10.3	0.2
120°-130°	5.2	0.1
130°-140°	0.5	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°	5860.2	97.1
0°-180°	6033.0	100.0

Coefficient of Utilization



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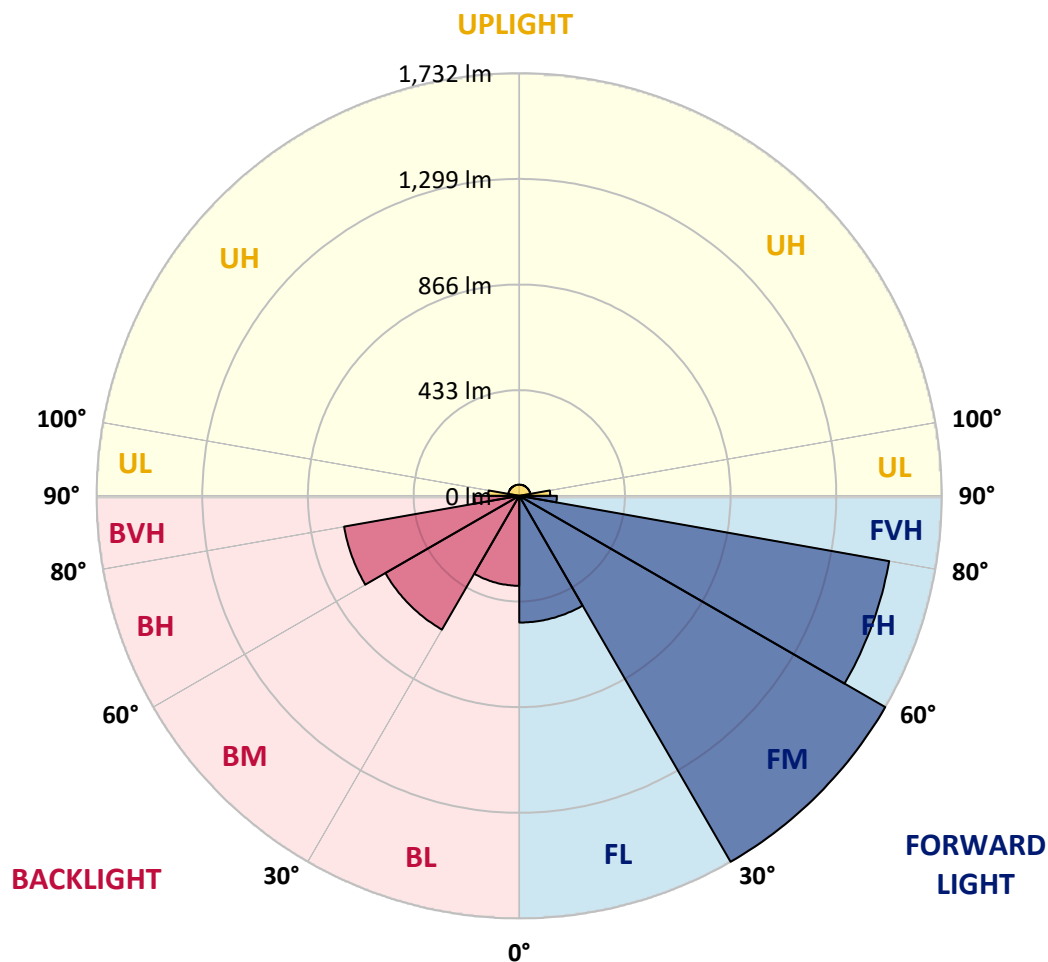
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	519.4	8.6			
FM	(30°-60°)	1732.0	28.7			
FH	(60°-80°)	1539.5	25.5			G1/1800
FVH	(80°-90°)	154.3	2.6			G2/225
BL	(0°-30°)	368.7	6.1	B1/500		
BM	(30°-60°)	633.4	10.5	B1/1000		
BH	(60°-80°)	728.8	12.1	B2/1000		G2/1000
BVH	(80°-90°)	184.2	3.1			G2/225
UL	(90°-100°)	127.1	2.1		U3/500	
UH	(100°-180°)	45.7	0.8		U2/50	

BUG Rating: B2-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0
2.5°	967.0	967.0	967.0	969.0	975.0	979.0	981.0	979.0	981.0	985.0	989.0
5°	995.0	993.0	991.0	987.0	985.0	985.0	987.0	987.0	991.0	1005.0	1013.0
7.5°	1021.0	1017.0	1015.0	1015.0	1013.0	1003.0	1001.0	995.0	993.0	1011.0	1023.0
10°	1068.9	1064.9	1052.9	1039.0	1035.0	1023.0	1005.0	1001.0	1003.0	1023.0	1027.0
12.5°	1112.9	1110.9	1102.9	1088.9	1068.9	1056.9	1031.0	1019.0	1021.0	1033.0	1025.0
15°	1186.8	1178.8	1154.8	1142.8	1122.9	1100.9	1066.9	1052.9	1056.9	1046.9	1042.9
17.5°	1230.8	1224.8	1224.8	1202.8	1188.8	1150.8	1118.9	1092.9	1102.9	1076.9	1054.9
20°	1270.7	1270.7	1272.7	1276.7	1250.7	1220.8	1176.8	1144.8	1146.8	1108.9	1076.9
22.5°	1332.7	1326.7	1332.7	1338.6	1320.7	1294.7	1240.7	1208.8	1194.8	1146.8	1104.9
25°	1396.6	1392.6	1392.6	1408.6	1414.6	1374.6	1324.7	1290.7	1270.7	1200.8	1144.8
27.5°	1460.5	1462.5	1468.5	1474.5	1484.5	1464.5	1414.6	1388.6	1362.6	1264.7	1208.8
30°	1512.5	1508.5	1534.4	1548.4	1558.4	1566.4	1510.5	1482.5	1454.5	1346.6	1280.7
32.5°	1570.4	1570.4	1594.4	1620.4	1634.3	1650.3	1604.4	1586.4	1556.4	1444.5	1400.6
35°	1618.4	1618.4	1654.3	1698.3	1724.3	1736.2	1712.3	1710.3	1704.3	1578.4	1514.5
37.5°	1456.5	1476.5	1532.5	1620.4	1720.3	1800.2	1806.2	1846.1	1866.1	1730.3	1648.3
40°	1270.7	1276.7	1342.6	1420.6	1514.5	1614.4	1710.3	1828.2	1814.2	1650.3	1578.4
42.5°	1144.8	1160.8	1244.7	1304.7	1366.6	1428.6	1428.6	1424.6	1324.7	1354.6	1326.7
45°	1132.9	1136.9	1206.8	1296.7	1320.7	1234.8	1114.9	1048.9	1056.9	1202.8	1268.7
47.5°	1256.7	1262.7	1334.7	1420.6	1334.7	1182.8	1064.9	1054.9	1048.9	1306.7	1530.5
50°	1322.7	1326.7	1394.6	1438.5	1304.7	1302.7	1304.7	1268.7	1236.8	1714.3	2195.8
52.5°	1362.6	1366.6	1362.6	1418.6	1372.6	1478.5	1442.5	1382.6	1358.6	1986.0	2593.4
55°	1256.7	1282.7	1390.6	1538.4	1542.4	1578.4	1564.4	1510.5	1508.5	2087.9	2891.1
57.5°	1554.4	1546.4	1588.4	1656.3	1668.3	1670.3	1678.3	1630.4	1644.3	2139.8	2883.1
60°	1760.2	1738.2	1694.3	1726.3	1740.2	1762.2	1790.2	1736.2	1752.2	2185.8	2757.2
62.5°	1954.0	1920.1	1750.2	1744.2	1766.2	1810.2	1850.1	1808.2	1822.2	2201.8	2669.3
65°	1926.1	1896.1	1768.2	1698.3	1730.3	1790.2	1846.1	1826.2	1822.2	2167.8	2561.4
67.5°	1660.3	1662.3	1648.3	1648.3	1636.3	1722.3	1812.2	1814.2	1794.2	2081.9	2399.6
70°	1426.6	1418.6	1440.5	1524.5	1536.4	1638.3	1758.2	1778.2	1752.2	1986.0	2243.7
72.5°	1214.8	1208.8	1212.8	1282.7	1382.6	1494.5	1630.4	1678.3	1640.3	1814.2	2053.9
75°	1005.0	999.0	997.0	1021.0	1100.9	1240.7	1396.6	1482.5	1450.5	1564.4	1776.2
77.5°	763.2	751.2	751.2	759.2	819.2	945.0	1094.9	1214.8	1198.8	1260.7	1432.6
80°	507.5	509.5	505.5	503.5	543.5	617.4	727.3	871.1	863.1	863.1	951.0
82.5°	321.7	321.7	327.7	307.7	303.7	311.7	337.7	395.6	399.6	437.6	467.5
85°	205.8	207.8	207.8	187.8	181.8	187.8	205.8	223.8	231.8	269.7	303.7
87.5°	149.8	149.8	145.9	141.9	143.9	149.8	163.8	179.8	193.8	223.8	253.7
90°	113.9	113.9	111.9	109.9	113.9	121.9	139.9	157.8	175.8	209.8	237.8
92.5°	93.9	93.9	91.9	91.9	93.9	99.9	115.9	135.9	153.8	181.8	207.8
95°	77.9	79.9	77.9	79.9	81.9	85.9	95.9	111.9	123.9	141.9	159.8
97.5°	61.9	63.9	63.9	63.9	65.9	71.9	77.9	87.9	95.9	103.9	115.9
100°	46.0	48.0	48.0	48.0	49.9	55.9	61.9	65.9	67.9	69.9	75.9
102.5°	34.0	36.0	36.0	36.0	36.0	40.0	42.0	44.0	44.0	44.0	46.0
105°	24.0	24.0	24.0	24.0	24.0	24.0	26.0	26.0	26.0	26.0	26.0
107.5°	18.0	18.0	18.0	18.0	18.0	18.0	20.0	20.0	20.0	20.0	20.0
110°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	18.0	16.0	16.0	18.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	14.0	14.0	14.0	14.0	16.0	16.0	14.0	14.0	14.0
115°	12.0	12.0	12.0	12.0	12.0	12.0	14.0	14.0	12.0	12.0	12.0
117.5°	10.0	10.0	10.0	10.0	10.0	10.0	12.0	12.0	10.0	12.0	12.0
120°	10.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0
122.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.0	10.0
125°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0
130°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0	985.0
2.5°	989.0	993.0	1001.0	1009.0	1017.0	1025.0	1029.0	1031.0	1033.0	1029.0	1031.0
5°	1013.0	1017.0	1029.0	1040.9	1039.0	1033.0	1025.0	1025.0	1027.0	1027.0	1031.0
7.5°	1025.0	1031.0	1027.0	1029.0	1033.0	1027.0	1019.0	1009.0	997.0	997.0	999.0
10°	1023.0	1017.0	1023.0	1017.0	1003.0	1001.0	997.0	983.0	975.0	977.0	977.0
12.5°	1023.0	1021.0	1009.0	1003.0	991.0	969.0	959.0	963.0	953.0	955.0	951.0
15°	1039.0	1025.0	1009.0	989.0	963.0	951.0	937.1	915.1	913.1	913.1	913.1
17.5°	1048.9	1039.0	1003.0	963.0	945.0	915.1	899.1	893.1	877.1	883.1	887.1
20°	1072.9	1048.9	997.0	955.0	893.1	875.1	849.1	843.1	835.2	811.2	803.2
22.5°	1092.9	1070.9	991.0	917.1	865.1	823.2	783.2	755.2	741.3	731.3	723.3
25°	1136.9	1102.9	997.0	899.1	819.2	765.2	729.3	679.3	645.3	641.4	645.3
27.5°	1194.8	1140.8	1011.0	875.1	783.2	699.3	627.4	593.4	557.4	545.4	547.4
30°	1268.7	1196.8	1009.0	853.1	719.3	623.4	531.5	473.5	445.5	433.6	431.6
32.5°	1374.6	1274.7	1054.9	825.2	661.3	517.5	417.6	345.7	331.7	329.7	327.7
35°	1478.5	1400.6	1076.9	783.2	577.4	415.6	315.7	271.7	269.7	267.7	265.7
37.5°	1616.4	1524.5	1138.8	757.2	497.5	313.7	253.7	221.8	215.8	205.8	209.8
40°	1554.4	1478.5	1156.8	717.3	385.6	231.8	189.8	163.8	159.8	161.8	159.8
42.5°	1308.7	1252.7	1009.0	617.4	265.7	169.8	141.9	145.9	153.8	159.8	159.8
45°	1268.7	1158.8	727.3	437.6	171.8	141.9	137.9	143.9	157.8	171.8	173.8
47.5°	1532.5	1392.6	637.4	337.7	197.8	161.8	147.9	147.9	155.8	157.8	155.8
50°	2171.8	1960.0	745.2	387.6	245.8	195.8	169.8	159.8	163.8	167.8	165.8
52.5°	2633.3	2367.6	849.1	463.5	307.7	233.8	199.8	175.8	171.8	171.8	169.8
55°	2903.1	2601.4	971.0	571.4	385.6	281.7	231.8	203.8	193.8	185.8	185.8
57.5°	2917.1	2609.4	1098.9	677.3	481.5	351.6	275.7	237.8	229.8	211.8	207.8
60°	2819.2	2575.4	1196.8	783.2	573.4	449.5	351.6	295.7	285.7	275.7	269.7
62.5°	2729.2	2519.5	1244.7	871.1	671.3	559.4	447.5	369.6	337.7	349.6	357.6
65°	2613.4	2457.5	1212.8	879.1	715.3	625.4	517.5	403.6	349.6	375.6	389.6
67.5°	2435.5	2295.7	1132.9	807.2	667.3	585.4	485.5	379.6	337.7	347.6	347.6
70°	2255.7	2105.9	1054.9	751.2	601.4	515.5	421.6	339.7	333.7	327.7	327.7
72.5°	2043.9	1866.1	953.0	717.3	575.4	501.5	409.6	341.7	357.6	365.6	365.6
75°	1776.2	1578.4	845.1	687.3	563.4	511.5	411.6	367.6	395.6	399.6	399.6
77.5°	1454.5	1238.7	719.3	633.4	529.5	491.5	383.6	361.6	389.6	395.6	397.6
80°	1001.0	877.1	603.4	551.4	473.5	441.6	353.6	351.6	379.6	393.6	395.6
82.5°	507.5	499.5	439.6	433.6	403.6	385.6	327.7	341.7	371.6	391.6	393.6
85°	313.7	325.7	293.7	289.7	299.7	307.7	297.7	325.7	347.6	369.6	373.6
87.5°	261.7	275.7	245.8	233.8	237.8	251.7	263.7	293.7	313.7	331.7	333.7
90°	245.8	257.7	209.8	199.8	207.8	217.8	225.8	241.8	257.7	267.7	267.7
92.5°	215.8	219.8	173.8	165.8	177.8	183.8	181.8	185.8	185.8	165.8	165.8
95°	165.8	165.8	131.9	131.9	141.9	143.9	129.9	117.9	109.9	65.9	55.9
97.5°	119.9	117.9	95.9	95.9	103.9	101.9	85.9	71.9	59.9	38.0	40.0
100°	79.9	77.9	63.9	67.9	71.9	63.9	53.9	44.0	36.0	24.0	28.0
102.5°	48.0	46.0	42.0	44.0	42.0	40.0	32.0	26.0	22.0	14.0	16.0
105°	28.0	26.0	26.0	26.0	26.0	24.0	22.0	16.0	12.0	8.0	8.0
107.5°	20.0	20.0	20.0	18.0	18.0	16.0	14.0	12.0	8.0	6.0	4.0
110°	18.0	16.0	16.0	16.0	14.0	14.0	12.0	10.0	6.0	4.0	4.0



REPORT NUMBER: P691416

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	14.0	14.0	12.0	12.0	10.0	8.0	8.0	6.0	2.0	2.0
115°	12.0	12.0	10.0	10.0	8.0	8.0	6.0	6.0	4.0	2.0	2.0
117.5°	12.0	12.0	8.0	8.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0
120°	12.0	10.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0	0.0	2.0
122.5°	10.0	10.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
125°	8.0	8.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
127.5°	8.0	8.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
130°	6.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	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

(END OF REPORT)