

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: P691384

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691384
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-C016-5TLD-U-T2-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5931 lumens
Efficiency: N/A
Efficacy: 138.6 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): 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

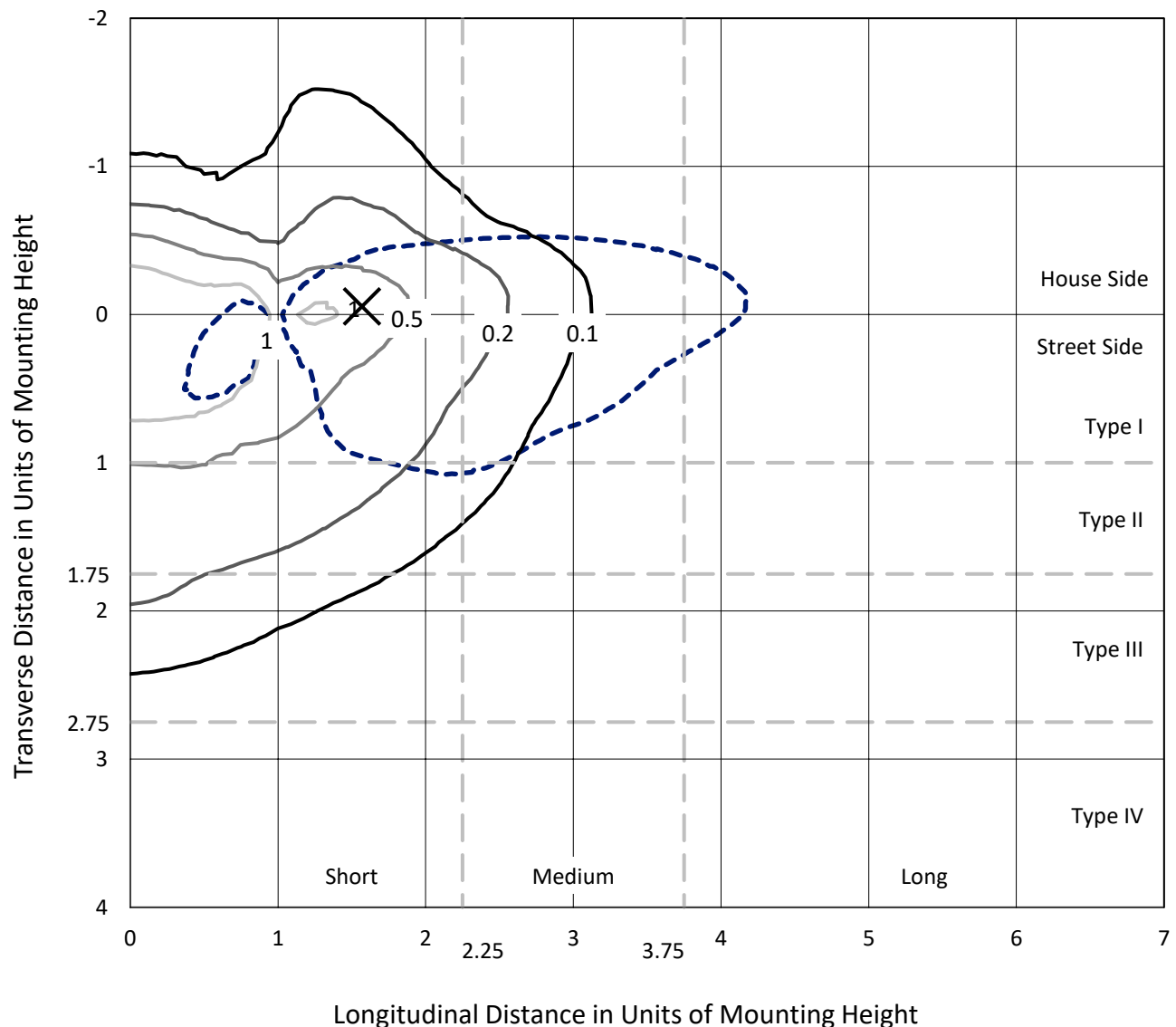


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



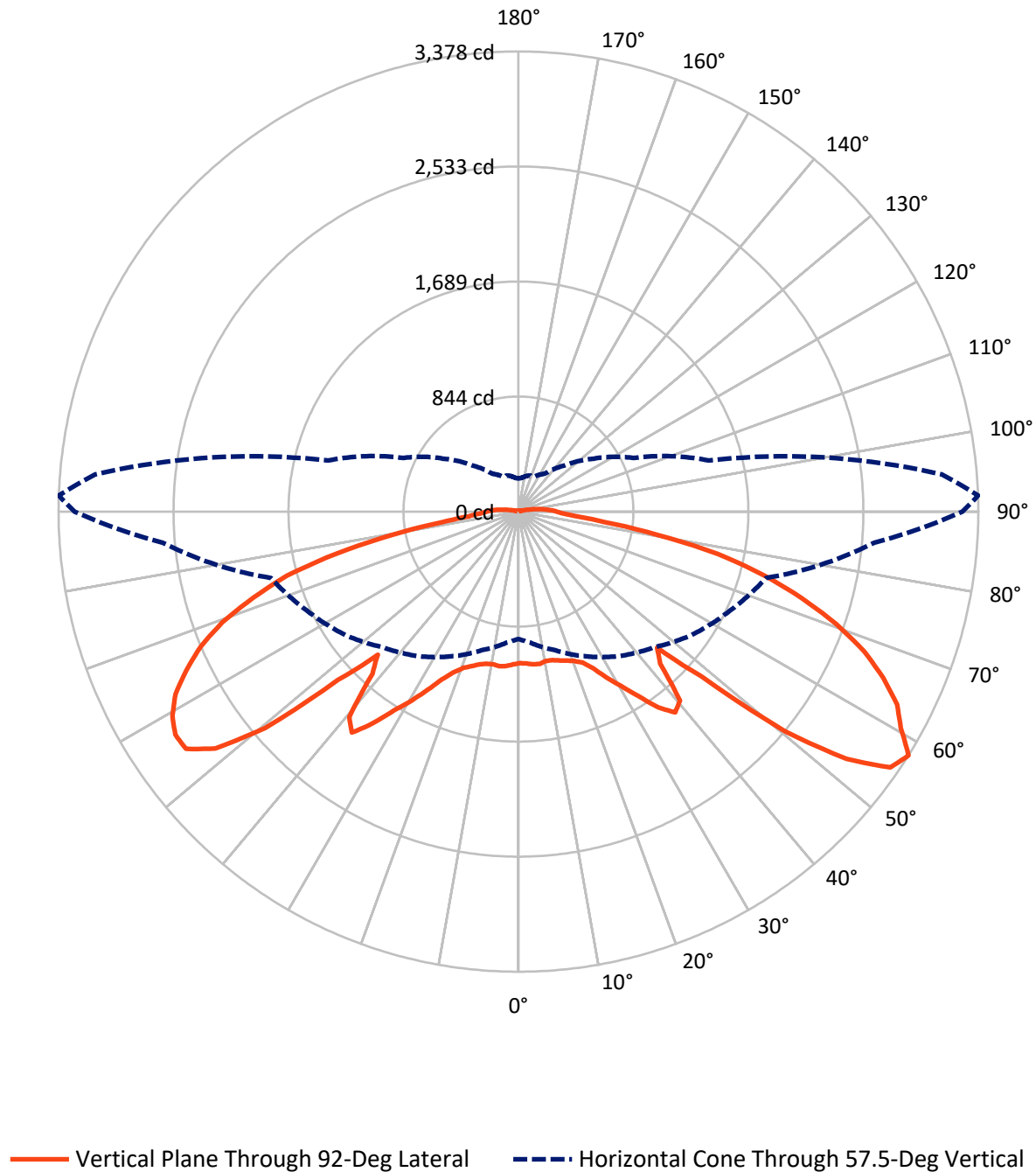
Based on 25 foot mounting height. Maximum calculated value = 2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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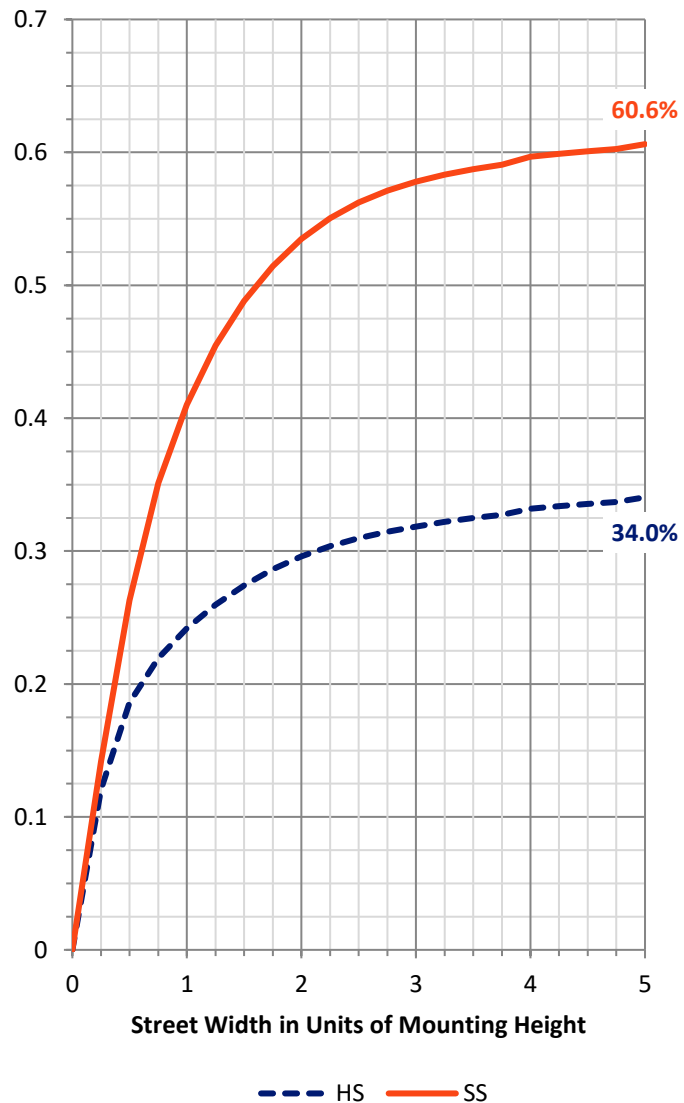
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2116.2	92.5	2208.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3646.8	75.5	3722.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	5763.1	168.0	5931.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	1.8
10°-20°	314.3	5.3
20°-30°	521.3	8.8
30°-40°	721.4	12.2
40°-50°	673.6	11.4
50°-60°	1006.6	17.0
60°-70°	1195.7	20.2
70°-80°	877.5	14.8
80°-90°	346.0	5.8
90°-100°	121.8	2.1
100°-110°	28.8	0.5
110°-120°	11.1	0.2
120°-130°	5.7	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°	5763.1	97.2
0°-180°	5931.0	100.0

Coefficient of Utilization



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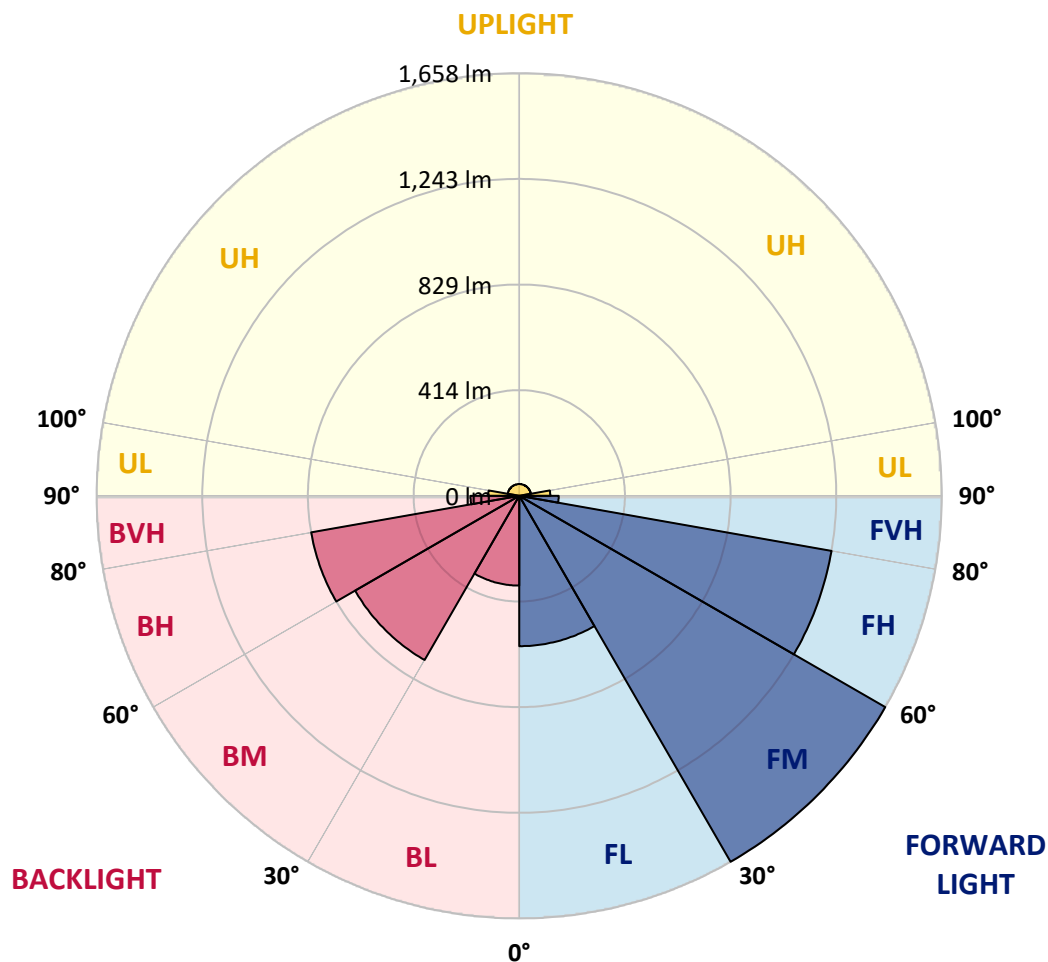
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	590.0	9.9			
FM	(30°-60°)	1658.0	28.0			
FH	(60°-80°)	1244.2	21.0			G1/1800
FVH	(80°-90°)	154.6	2.6			G2/225
BL	(0°-30°)	352.3	5.9	B1/500		
BM	(30°-60°)	743.7	12.5	B1/1000		
BH	(60°-80°)	829.0	14.0	B2/1000		G2/1000
BVH	(80°-90°)	191.3	3.2			G2/225
UL	(90°-100°)	121.8	2.1		U3/500	
UH	(100°-180°)	46.1	0.8		U2/50	

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°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1160.5	1152.5	1154.5	1152.5	1148.5	1144.5	1140.5	1136.5	1130.5	1124.5	1120.5
5°	1228.4	1220.4	1220.4	1220.4	1212.4	1200.4	1184.5	1174.5	1160.5	1144.5	1132.5
7.5°	1274.3	1268.4	1266.4	1264.4	1254.4	1246.4	1228.4	1196.5	1174.5	1154.5	1136.5
10°	1290.3	1290.3	1288.3	1282.3	1272.4	1262.4	1250.4	1220.4	1184.5	1150.5	1126.5
12.5°	1320.3	1324.3	1318.3	1308.3	1304.3	1292.3	1274.3	1250.4	1210.4	1158.5	1130.5
15°	1366.2	1364.2	1356.2	1354.2	1350.3	1336.3	1320.3	1290.3	1244.4	1178.5	1146.5
17.5°	1386.2	1384.2	1384.2	1384.2	1384.2	1374.2	1372.2	1338.3	1290.3	1210.4	1170.5
20°	1390.2	1390.2	1396.2	1410.2	1412.2	1410.2	1420.2	1398.2	1342.3	1250.4	1196.5
22.5°	1416.2	1418.2	1428.2	1442.1	1452.1	1456.1	1464.1	1474.1	1422.2	1314.3	1246.4
25°	1402.2	1412.2	1434.1	1456.1	1480.1	1494.1	1538.0	1572.0	1528.0	1408.2	1316.3
27.5°	1378.2	1386.2	1430.1	1470.1	1524.0	1582.0	1645.9	1689.8	1663.8	1524.0	1428.2
30°	1400.2	1400.2	1428.2	1494.1	1564.0	1669.8	1763.7	1811.7	1799.7	1645.9	1558.0
32.5°	1354.2	1366.2	1426.2	1522.0	1627.9	1765.7	1861.6	1951.5	1963.5	1803.7	1661.8
35°	1218.4	1244.4	1284.3	1410.2	1589.9	1829.6	1977.4	2091.3	2141.2	1983.4	1817.6
37.5°	1006.7	1016.7	1100.6	1226.4	1440.1	1677.8	1933.5	2211.1	2315.0	2119.3	1973.4
40°	888.8	894.8	948.8	1058.6	1238.4	1472.1	1687.8	1973.4	2055.3	2035.4	1897.5
42.5°	848.9	858.9	922.8	1028.7	1180.5	1342.3	1398.2	1522.0	1490.1	1576.0	1619.9
45°	896.8	902.8	948.8	1040.7	1136.5	1206.4	1166.5	1254.4	1298.3	1468.1	1478.1
47.5°	930.8	934.8	984.7	1100.6	1116.6	1118.6	1172.5	1224.4	1346.3	1713.8	1877.6
50°	799.0	818.9	914.8	1014.7	1022.7	1180.5	1334.3	1438.1	1587.9	2257.1	2570.7
52.5°	741.0	751.0	854.9	1028.7	1144.5	1328.3	1438.1	1542.0	1685.8	2492.8	3044.1
55°	812.9	828.9	952.8	1146.5	1262.4	1388.2	1526.0	1653.9	1795.7	2614.6	3255.8
57.5°	934.8	964.8	1054.6	1172.5	1294.3	1408.2	1568.0	1715.8	1881.6	2622.6	3259.8
60°	1176.5	1154.5	1104.6	1156.5	1274.3	1404.2	1587.9	1745.7	1929.5	2620.6	3167.9
62.5°	1342.3	1310.3	1144.5	1120.5	1230.4	1362.2	1544.0	1741.7	1919.5	2532.7	3064.0
65°	1310.3	1288.3	1160.5	1072.6	1152.5	1294.3	1484.1	1717.8	1871.6	2438.8	2876.3
67.5°	1130.5	1104.6	1050.6	1016.7	1056.6	1222.4	1428.2	1669.8	1815.6	2331.0	2670.5
70°	922.8	908.8	890.8	926.8	976.7	1132.5	1326.3	1566.0	1709.8	2125.2	2450.8
72.5°	783.0	775.0	753.0	791.0	874.9	1014.7	1176.5	1416.2	1578.0	1847.6	2179.2
75°	659.1	661.1	649.2	673.1	727.1	864.9	992.7	1226.4	1406.2	1585.9	1885.6
77.5°	541.3	535.3	547.3	561.3	597.2	697.1	783.0	986.7	1200.4	1258.4	1446.1
80°	395.5	405.5	427.4	425.4	455.4	499.4	557.3	665.1	842.9	900.8	972.7
82.5°	279.6	291.6	311.6	289.6	293.6	305.6	331.6	381.5	475.4	533.3	593.2
85°	197.7	203.7	207.7	191.8	191.8	199.7	217.7	253.7	311.6	347.5	379.5
87.5°	143.8	145.8	153.8	145.8	147.8	151.8	167.8	191.8	239.7	265.7	291.6
90°	109.9	109.9	113.9	111.9	115.8	123.8	139.8	159.8	195.7	227.7	251.7
92.5°	79.9	79.9	83.9	85.9	87.9	97.9	111.9	127.8	151.8	191.8	215.7
95°	61.9	61.9	65.9	65.9	67.9	75.9	87.9	103.9	121.8	149.8	171.8
97.5°	45.9	45.9	49.9	49.9	51.9	57.9	67.9	77.9	93.9	111.9	121.8
100°	36.0	36.0	38.0	38.0	39.9	45.9	51.9	57.9	61.9	71.9	75.9
102.5°	30.0	30.0	30.0	30.0	30.0	34.0	36.0	36.0	38.0	43.9	45.9
105°	24.0	24.0	24.0	22.0	22.0	24.0	24.0	24.0	26.0	26.0	28.0
107.5°	18.0	18.0	18.0	18.0	18.0	20.0	20.0	20.0	20.0	22.0	22.0
110°	16.0	16.0	16.0	16.0	16.0	16.0	18.0	18.0	18.0	18.0	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	16.0	16.0	16.0
115°	12.0	12.0	12.0	12.0	12.0	14.0	16.0	14.0	14.0	14.0	14.0
117.5°	10.0	10.0	10.0	12.0	12.0	12.0	14.0	12.0	12.0	12.0	14.0
120°	8.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0	12.0	12.0
122.5°	8.0	8.0	8.0	8.0	8.0	10.0	10.0	10.0	10.0	10.0	12.0
125°	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	10.0	10.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1116.6	1116.6	1104.6	1092.6	1080.6	1068.6	1058.6	1052.6	1044.6	1046.6	1046.6
5°	1126.5	1120.5	1094.6	1078.6	1060.6	1044.6	1028.7	1014.7	1010.7	1008.7	1000.7
7.5°	1128.5	1118.6	1090.6	1066.6	1032.7	994.7	976.7	960.8	950.8	958.8	954.8
10°	1114.6	1102.6	1070.6	1034.7	986.7	954.8	926.8	910.8	902.8	904.8	902.8
12.5°	1118.6	1104.6	1052.6	998.7	958.8	904.8	870.9	856.9	846.9	846.9	840.9
15°	1134.5	1110.6	1036.7	980.7	914.8	868.9	828.9	818.9	814.9	810.9	805.0
17.5°	1150.5	1116.6	1034.7	948.8	874.9	824.9	785.0	767.0	757.0	757.0	755.0
20°	1170.5	1128.5	1022.7	914.8	836.9	771.0	723.1	707.1	699.1	697.1	693.1
22.5°	1204.4	1160.5	1016.7	900.8	787.0	719.1	673.1	643.2	627.2	625.2	625.2
25°	1272.4	1218.4	1028.7	862.9	753.0	665.1	609.2	579.2	561.3	561.3	559.3
27.5°	1380.2	1294.3	1046.6	848.9	689.1	607.2	549.3	503.3	487.4	487.4	489.4
30°	1486.1	1410.2	1092.6	818.9	653.2	531.3	461.4	427.4	407.5	399.5	401.5
32.5°	1611.9	1532.0	1156.5	799.0	581.2	441.4	377.5	359.5	329.6	321.6	315.6
35°	1765.7	1649.9	1228.4	771.0	525.3	375.5	323.6	287.6	273.6	263.7	261.7
37.5°	1869.6	1767.7	1292.3	777.0	447.4	339.6	281.6	243.7	229.7	231.7	231.7
40°	1825.6	1707.8	1308.3	737.0	381.5	295.6	235.7	213.7	205.7	207.7	209.7
42.5°	1526.0	1464.1	1082.6	659.1	315.6	237.7	197.7	197.7	203.7	197.7	197.7
45°	1426.2	1270.4	787.0	463.4	237.7	195.7	187.8	193.7	207.7	207.7	207.7
47.5°	1805.7	1629.9	705.1	387.5	265.7	219.7	203.7	193.7	195.7	193.7	193.7
50°	2532.7	2257.1	946.8	483.4	321.6	261.7	231.7	211.7	211.7	207.7	203.7
52.5°	3016.1	2726.5	1152.5	605.2	403.5	305.6	265.7	229.7	217.7	209.7	207.7
55°	3315.7	3096.0	1330.3	775.0	525.3	363.5	295.6	257.7	239.7	223.7	221.7
57.5°	3377.6	3122.0	1448.1	930.8	677.1	477.4	339.6	285.6	273.6	247.7	243.7
60°	3225.8	3056.0	1494.1	1032.7	809.0	629.2	443.4	331.6	305.6	287.6	283.6
62.5°	3120.0	2924.2	1478.1	1066.6	890.8	755.0	583.2	407.5	333.6	335.6	353.5
65°	2942.2	2810.4	1360.2	1016.7	886.9	797.0	655.2	471.4	343.6	339.6	361.5
67.5°	2738.5	2634.6	1242.4	906.8	816.9	739.0	609.2	449.4	325.6	305.6	307.6
70°	2476.8	2388.9	1122.5	844.9	753.0	655.2	529.3	389.5	321.6	289.6	289.6
72.5°	2175.2	2071.3	1022.7	799.0	719.1	629.2	507.3	375.5	345.6	333.6	343.6
75°	1855.6	1723.8	944.8	755.0	695.1	629.2	505.3	375.5	345.6	335.6	335.6
77.5°	1496.1	1418.2	860.9	685.1	647.2	599.2	465.4	349.5	339.6	335.6	335.6
80°	1034.7	1022.7	701.1	595.2	585.2	567.3	437.4	337.6	337.6	331.6	323.6
82.5°	635.2	605.2	501.4	445.4	479.4	505.3	397.5	317.6	309.6	303.6	299.6
85°	411.5	413.5	351.5	311.6	331.6	385.5	335.6	287.6	275.6	279.6	279.6
87.5°	315.6	325.6	275.6	253.7	249.7	261.7	263.7	257.7	249.7	243.7	245.7
90°	271.6	275.6	221.7	203.7	201.7	205.7	205.7	217.7	217.7	197.7	185.8
92.5°	227.7	233.7	183.8	165.8	165.8	171.8	175.8	175.8	159.8	129.8	115.8
95°	179.8	183.8	145.8	131.8	133.8	133.8	131.8	125.8	97.9	57.9	51.9
97.5°	125.8	127.8	107.9	99.9	101.9	97.9	85.9	77.9	59.9	34.0	32.0
100°	79.9	81.9	67.9	65.9	71.9	63.9	55.9	51.9	36.0	22.0	26.0
102.5°	47.9	47.9	41.9	39.9	43.9	38.0	34.0	28.0	22.0	14.0	18.0
105°	28.0	28.0	26.0	26.0	26.0	24.0	22.0	18.0	12.0	10.0	10.0
107.5°	22.0	22.0	20.0	20.0	18.0	18.0	16.0	12.0	8.0	6.0	6.0
110°	18.0	18.0	16.0	16.0	16.0	14.0	12.0	10.0	6.0	4.0	4.0



REPORT NUMBER: P691384

CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.0	16.0	14.0	14.0	12.0	12.0	10.0	8.0	6.0	4.0	4.0
115°	14.0	14.0	12.0	10.0	10.0	10.0	8.0	6.0	4.0	2.0	4.0
117.5°	14.0	14.0	10.0	8.0	8.0	8.0	6.0	6.0	4.0	2.0	2.0
120°	12.0	12.0	8.0	8.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0
122.5°	10.0	10.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	2.0
125°	10.0	10.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0	0.0	0.0
127.5°	8.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
130°	6.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	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)