

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: P691400

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691400
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-T2-7050-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: 6178 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

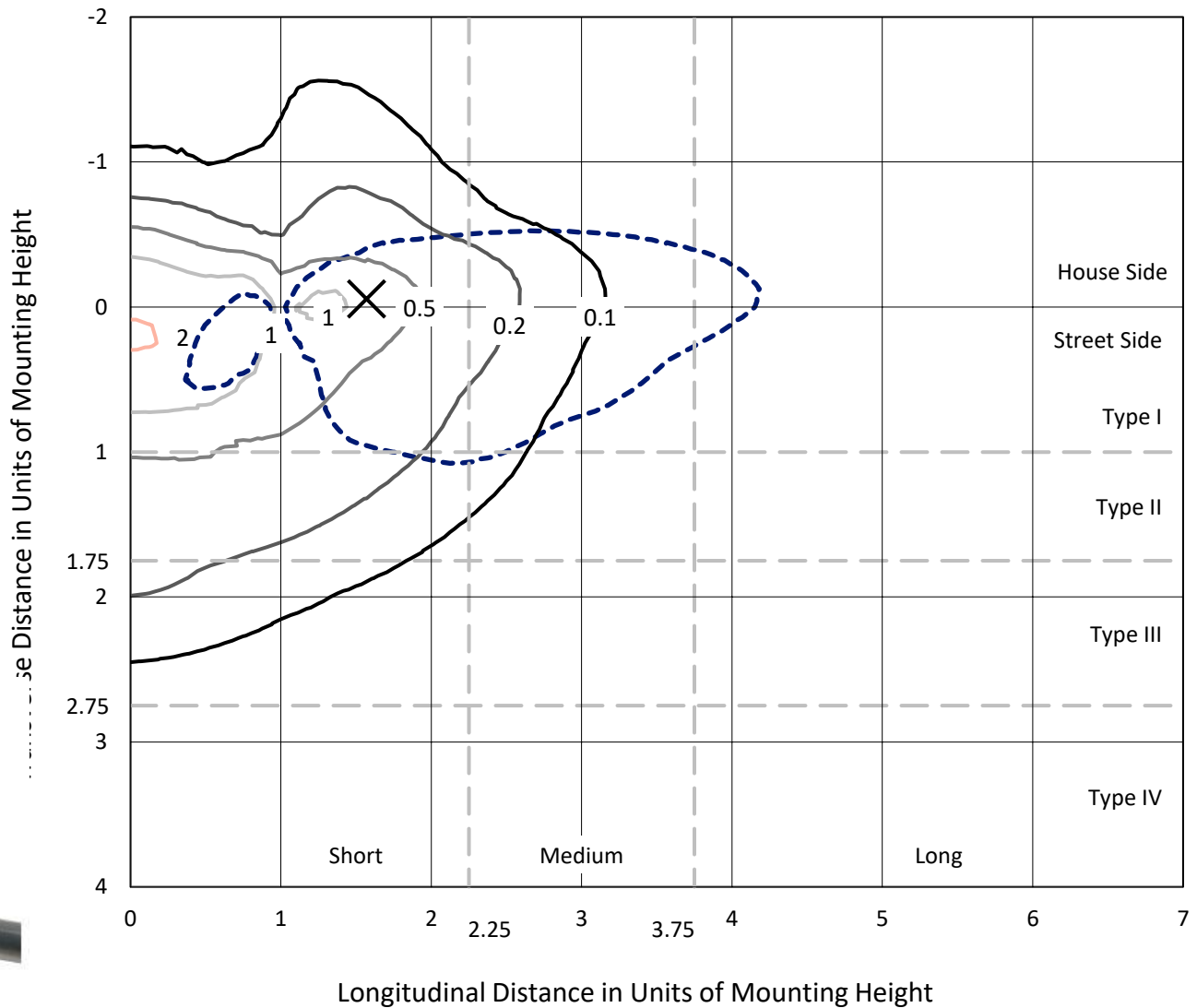
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

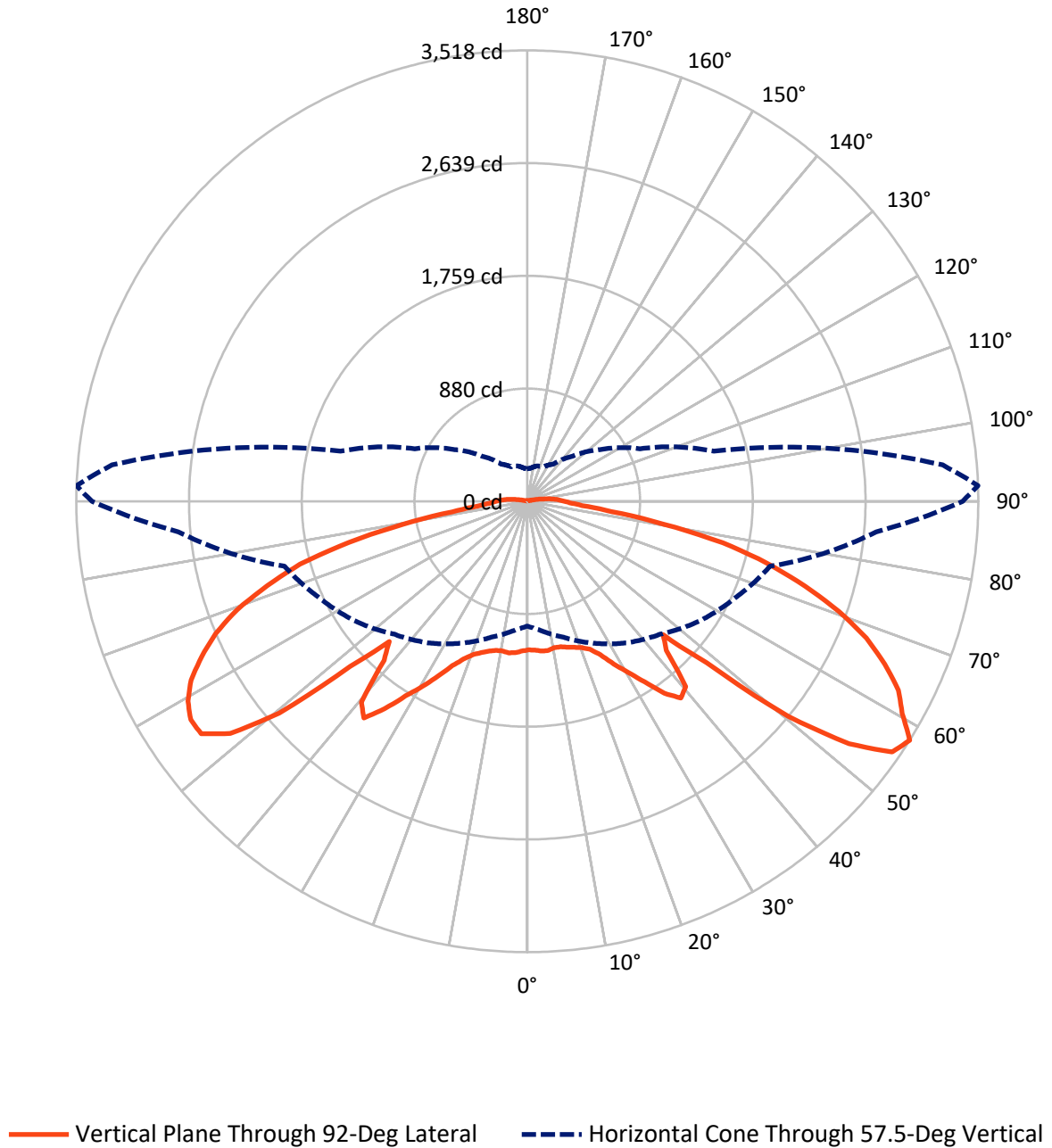
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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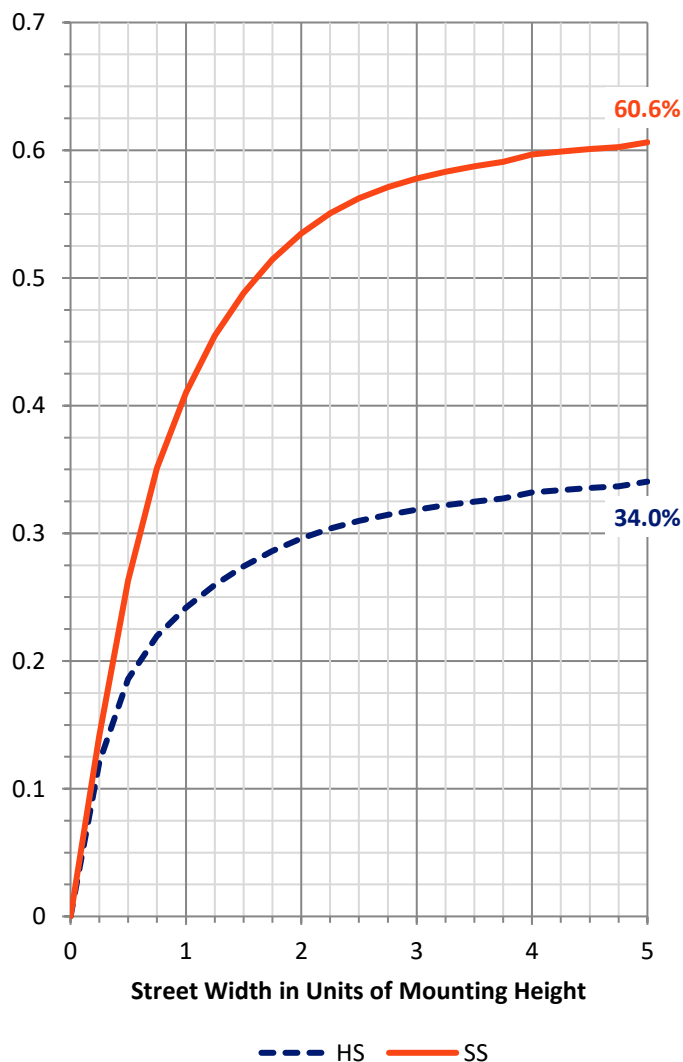
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2204.4	96.3	2300.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3798.7	78.6	3877.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	6003.1	174.9	6178.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	1.8
10°-20°	327.4	5.3
20°-30°	543.0	8.8
30°-40°	751.5	12.2
40°-50°	701.7	11.4
50°-60°	1048.5	17.0
60°-70°	1245.5	20.2
70°-80°	914.1	14.8
80°-90°	360.4	5.8
90°-100°	126.9	2.1
100°-110°	30.0	0.5
110°-120°	11.6	0.2
120°-130°	5.9	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°	6003.1	97.2
0°-180°	6178.0	100.0

Coefficient of Utilization



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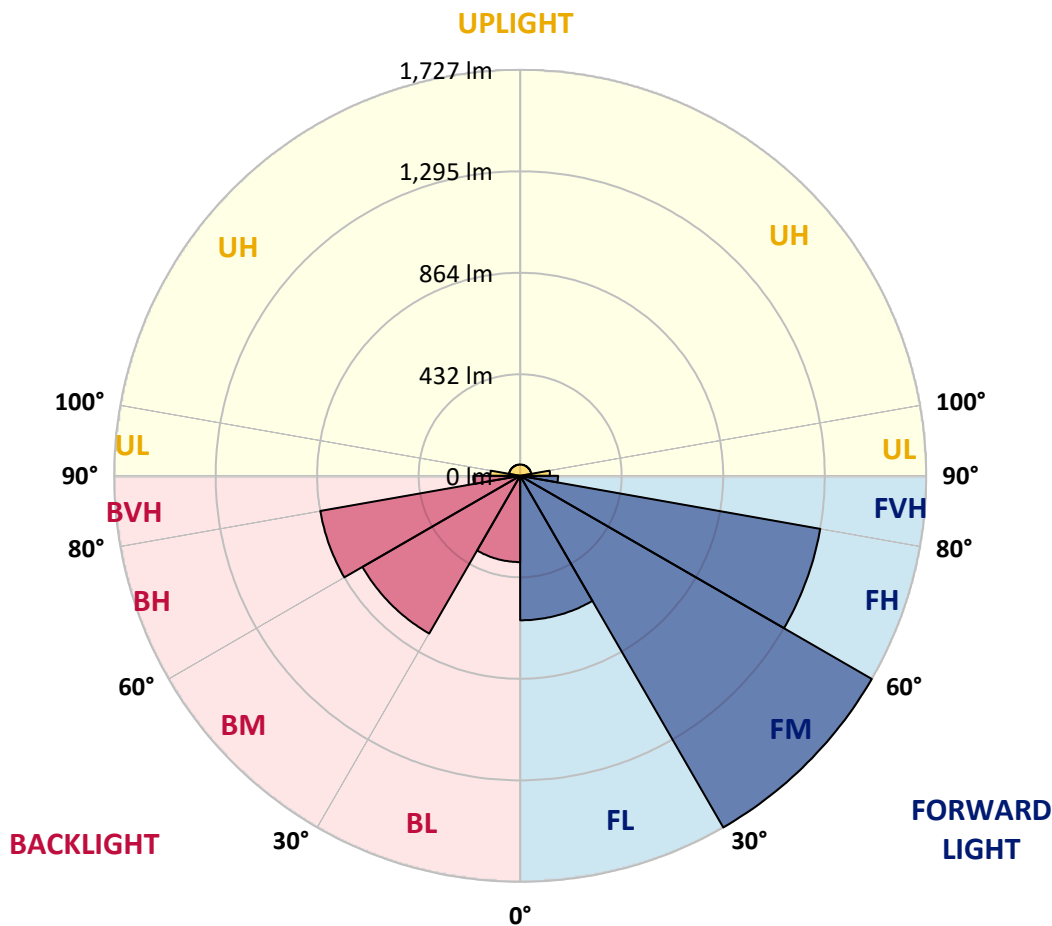
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.6	9.9			
FM (30°-60°)	1727.0	28.0			
FH (60°-80°)	1296.0	21.0			G1/1800
FVH (80°-90°)	161.1	2.6			G2/225
BL (0°-30°)	366.9	5.9	B1/500		
BM (30°-60°)	774.6	12.5	B1/1000		
BH (60°-80°)	863.5	14.0	B2/1000		G2/1000
BVH (80°-90°)	199.3	3.2			G2/225
UL (90°-100°)	126.9	2.1		U3/500	
UH (100°-180°)	48.0	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°	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9
2.5°	1208.8	1200.5	1202.6	1200.5	1196.3	1192.2	1188.0	1183.9	1177.6	1171.4	1167.2
5°	1279.6	1271.2	1271.2	1271.2	1262.9	1250.4	1233.8	1223.4	1208.8	1192.2	1179.7
7.5°	1327.4	1321.2	1319.1	1317.0	1306.6	1298.3	1279.6	1246.3	1223.4	1202.6	1183.9
10°	1344.1	1344.1	1342.0	1335.7	1325.3	1314.9	1302.5	1271.2	1233.8	1198.4	1173.5
12.5°	1375.3	1379.4	1373.2	1362.8	1358.6	1346.1	1327.4	1302.5	1260.8	1206.7	1177.6
15°	1423.1	1421.0	1412.7	1410.6	1406.5	1391.9	1375.3	1344.1	1296.2	1227.6	1194.3
17.5°	1443.9	1441.9	1441.9	1441.9	1441.9	1431.5	1429.4	1394.0	1344.1	1260.8	1219.2
20°	1448.1	1448.1	1454.3	1468.9	1471.0	1468.9	1479.3	1456.4	1398.2	1302.5	1246.3
22.5°	1475.1	1477.2	1487.6	1502.2	1512.6	1516.8	1525.1	1535.5	1481.4	1369.0	1298.3
25°	1460.6	1471.0	1493.9	1516.8	1541.7	1556.3	1602.1	1637.4	1591.7	1466.8	1371.1
27.5°	1435.6	1443.9	1489.7	1531.3	1587.5	1647.8	1714.4	1760.2	1733.1	1587.5	1487.6
30°	1458.5	1458.5	1487.6	1556.3	1629.1	1739.4	1837.2	1887.1	1874.6	1714.4	1622.9
32.5°	1410.6	1423.1	1485.5	1585.4	1695.7	1839.2	1939.1	2032.7	2045.2	1878.8	1731.1
35°	1269.2	1296.2	1337.8	1468.9	1656.2	1905.8	2059.8	2178.4	2230.4	2066.0	1893.3
37.5°	1048.6	1059.0	1146.4	1277.5	1500.1	1747.7	2014.0	2303.2	2411.4	2207.5	2055.6
40°	925.9	932.1	988.3	1102.7	1290.0	1533.4	1758.1	2055.6	2140.9	2120.1	1976.6
42.5°	884.3	894.7	961.2	1071.5	1229.6	1398.2	1456.4	1585.4	1552.1	1641.6	1687.4
45°	934.2	940.4	988.3	1084.0	1183.9	1256.7	1215.1	1306.6	1352.4	1529.2	1539.6
47.5°	969.6	973.7	1025.7	1146.4	1163.1	1165.1	1221.3	1275.4	1402.3	1785.2	1955.8
50°	832.2	853.0	952.9	1056.9	1065.3	1229.6	1389.8	1498.0	1654.1	2351.1	2677.7
52.5°	771.9	782.3	890.5	1071.5	1192.2	1383.6	1498.0	1606.2	1756.0	2596.6	3170.8
55°	846.8	863.4	992.4	1194.3	1314.9	1446.0	1589.6	1722.7	1870.5	2723.5	3391.4
57.5°	973.7	1004.9	1098.6	1221.3	1348.2	1466.8	1633.3	1787.2	1959.9	2731.8	3395.5
60°	1225.5	1202.6	1150.6	1204.7	1327.4	1462.7	1654.1	1818.4	2009.9	2729.7	3299.8
62.5°	1398.2	1364.9	1192.2	1167.2	1281.6	1419.0	1608.3	1814.3	1999.5	2638.2	3191.6
65°	1364.9	1342.0	1208.8	1117.3	1200.5	1348.2	1545.9	1789.3	1949.5	2540.4	2996.1
67.5°	1177.6	1150.6	1094.4	1059.0	1100.6	1273.3	1487.6	1739.4	1891.3	2428.1	2781.8
70°	961.2	946.7	927.9	965.4	1017.4	1179.7	1381.5	1631.2	1781.0	2213.8	2552.9
72.5°	815.6	807.3	784.4	823.9	911.3	1056.9	1225.5	1475.1	1643.7	1924.6	2269.9
75°	686.6	688.7	676.2	701.2	757.3	900.9	1034.1	1277.5	1464.7	1652.0	1964.1
77.5°	563.8	557.6	570.1	584.6	622.1	726.1	815.6	1027.8	1250.4	1310.8	1506.4
80°	412.0	422.4	445.2	443.2	474.4	520.1	580.5	692.8	878.0	938.3	1013.3
82.5°	291.3	303.8	324.6	301.7	305.8	318.3	345.4	397.4	495.2	555.5	617.9
85°	206.0	212.2	216.4	199.7	199.7	208.1	226.8	264.2	324.6	362.0	395.3
87.5°	149.8	151.9	160.2	151.9	154.0	158.1	174.8	199.7	249.7	276.7	303.8
90°	114.4	114.4	118.6	116.5	120.7	129.0	145.6	166.4	203.9	237.2	262.2
92.5°	83.2	83.2	87.4	89.5	91.5	101.9	116.5	133.2	158.1	199.7	224.7
95°	64.5	64.5	68.7	68.7	70.7	79.1	91.5	108.2	126.9	156.0	178.9
97.5°	47.9	47.9	52.0	52.0	54.1	60.3	70.7	81.1	97.8	116.5	126.9
100°	37.5	37.5	39.5	39.5	41.6	47.9	54.1	60.3	64.5	74.9	79.1
102.5°	31.2	31.2	31.2	31.2	31.2	35.4	37.5	37.5	39.5	45.8	47.9
105°	25.0	25.0	25.0	22.9	22.9	25.0	25.0	25.0	27.0	27.0	29.1
107.5°	18.7	18.7	18.7	18.7	18.7	20.8	20.8	20.8	20.8	22.9	22.9
110°	16.6	16.6	16.6	16.6	16.6	16.6	18.7	18.7	18.7	18.7	18.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.6	14.6	14.6	14.6	14.6	14.6	16.6	16.6	16.6	16.6	16.6
115°	12.5	12.5	12.5	12.5	12.5	14.6	16.6	14.6	14.6	14.6	14.6
117.5°	10.4	10.4	10.4	12.5	12.5	12.5	14.6	12.5	12.5	12.5	14.6
120°	8.3	8.3	10.4	10.4	10.4	10.4	10.4	10.4	12.5	12.5	12.5
122.5°	8.3	8.3	8.3	8.3	8.3	10.4	10.4	10.4	10.4	10.4	12.5
125°	6.2	6.2	6.2	8.3	8.3	8.3	8.3	8.3	8.3	10.4	10.4
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3
130°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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°	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9
2.5°	1163.1	1163.1	1150.6	1138.1	1125.6	1113.1	1102.7	1096.5	1088.2	1090.2	1090.2
5°	1173.5	1167.2	1140.2	1123.5	1104.8	1088.2	1071.5	1056.9	1052.8	1050.7	1042.4
7.5°	1175.5	1165.1	1136.0	1111.0	1075.7	1036.1	1017.4	1000.8	990.4	998.7	994.5
10°	1161.0	1148.5	1115.2	1077.7	1027.8	994.5	965.4	948.8	940.4	942.5	940.4
12.5°	1165.1	1150.6	1096.5	1040.3	998.7	942.5	907.1	892.6	882.2	882.2	875.9
15°	1181.8	1156.8	1079.8	1021.6	952.9	905.1	863.4	853.0	848.9	844.7	838.5
17.5°	1198.4	1163.1	1077.7	988.3	911.3	859.3	817.7	798.9	788.5	788.5	786.5
20°	1219.2	1175.5	1065.3	952.9	871.8	803.1	753.2	736.5	728.2	726.1	722.0
22.5°	1254.6	1208.8	1059.0	938.3	819.8	749.0	701.2	670.0	653.3	651.2	651.2
25°	1325.3	1269.2	1071.5	898.8	784.4	692.8	634.6	603.4	584.6	584.6	582.6
27.5°	1437.7	1348.2	1090.2	884.3	717.8	632.5	572.2	524.3	507.7	507.7	509.7
30°	1548.0	1468.9	1138.1	853.0	680.4	553.4	480.6	445.2	424.4	416.1	418.2
32.5°	1679.0	1595.8	1204.7	832.2	605.5	459.8	393.2	374.5	343.3	335.0	328.7
35°	1839.2	1718.6	1279.6	803.1	547.2	391.2	337.1	299.6	285.0	274.6	272.6
37.5°	1947.4	1841.3	1346.1	809.4	466.1	353.7	293.4	253.8	239.3	241.3	241.3
40°	1901.7	1778.9	1362.8	767.7	397.4	307.9	245.5	222.6	214.3	216.4	218.5
42.5°	1589.6	1525.1	1127.7	686.6	328.7	247.6	206.0	206.0	212.2	206.0	206.0
45°	1485.5	1323.3	819.8	482.7	247.6	203.9	195.6	201.8	216.4	216.4	216.4
47.5°	1880.9	1697.8	734.5	403.6	276.7	228.9	212.2	201.8	203.9	201.8	201.8
50°	2638.2	2351.1	986.2	503.5	335.0	272.6	241.3	220.5	220.5	216.4	212.2
52.5°	3141.7	2840.0	1200.5	630.4	420.3	318.3	276.7	239.3	226.8	218.5	216.4
55°	3453.8	3224.9	1385.7	807.3	547.2	378.7	307.9	268.4	249.7	233.0	230.9
57.5°	3518.3	3252.0	1508.4	969.6	705.3	497.3	353.7	297.5	285.0	258.0	253.8
60°	3360.2	3183.3	1556.3	1075.7	842.6	655.4	461.9	345.4	318.3	299.6	295.4
62.5°	3249.9	3046.0	1539.6	1111.0	927.9	786.5	607.5	424.4	347.5	349.5	368.3
65°	3064.7	2927.4	1416.9	1059.0	923.8	830.2	682.4	491.0	357.9	353.7	376.6
67.5°	2852.5	2744.3	1294.1	944.6	851.0	769.8	634.6	468.1	339.1	318.3	320.4
70°	2579.9	2488.4	1169.3	880.1	784.4	682.4	551.4	405.7	335.0	301.7	301.7
72.5°	2265.8	2157.6	1065.3	832.2	749.0	655.4	528.5	391.2	359.9	347.5	357.9
75°	1932.9	1795.6	984.1	786.5	724.0	655.4	526.4	391.2	359.9	349.5	349.5
77.5°	1558.4	1477.2	896.7	713.6	674.1	624.2	484.8	364.1	353.7	349.5	349.5
80°	1077.7	1065.3	730.3	620.0	609.6	590.9	455.7	351.6	351.6	345.4	337.1
82.5°	661.6	630.4	522.2	464.0	499.3	526.4	414.0	330.8	322.5	316.3	312.1
85°	428.6	430.7	366.2	324.6	345.4	401.6	349.5	299.6	287.1	291.3	291.3
87.5°	328.7	339.1	287.1	264.2	260.1	272.6	274.6	268.4	260.1	253.8	255.9
90°	283.0	287.1	230.9	212.2	210.1	214.3	214.3	226.8	226.8	206.0	193.5
92.5°	237.2	243.4	191.4	172.7	172.7	178.9	183.1	183.1	166.4	135.2	120.7
95°	187.3	191.4	151.9	137.3	139.4	139.4	137.3	131.1	101.9	60.3	54.1
97.5°	131.1	133.2	112.4	104.0	106.1	101.9	89.5	81.1	62.4	35.4	33.3
100°	83.2	85.3	70.7	68.7	74.9	66.6	58.3	54.1	37.5	22.9	27.0
102.5°	49.9	49.9	43.7	41.6	45.8	39.5	35.4	29.1	22.9	14.6	18.7
105°	29.1	29.1	27.0	27.0	27.0	25.0	22.9	18.7	12.5	10.4	10.4
107.5°	22.9	22.9	20.8	20.8	18.7	18.7	16.6	12.5	8.3	6.2	6.2
110°	18.7	18.7	16.6	16.6	16.6	14.6	12.5	10.4	6.2	4.2	4.2



REPORT NUMBER: P691400
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.6	16.6	14.6	14.6	12.5	12.5	10.4	8.3	6.2	4.2	4.2
115°	14.6	14.6	12.5	10.4	10.4	10.4	8.3	6.2	4.2	2.1	4.2
117.5°	14.6	14.6	10.4	8.3	8.3	8.3	6.2	6.2	4.2	2.1	2.1
120°	12.5	12.5	8.3	8.3	6.2	6.2	6.2	4.2	2.1	2.1	2.1
122.5°	10.4	10.4	8.3	6.2	6.2	6.2	4.2	4.2	2.1	2.1	2.1
125°	10.4	10.4	6.2	6.2	6.2	4.2	4.2	4.2	2.1	0.0	0.0
127.5°	8.3	8.3	6.2	6.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0
130°	6.2	6.2	6.2	6.2	4.2	4.2	4.2	2.1	2.1	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)