

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: P691484

Luminaire Tested: **CRTK2-C016-D-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691484
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-D-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

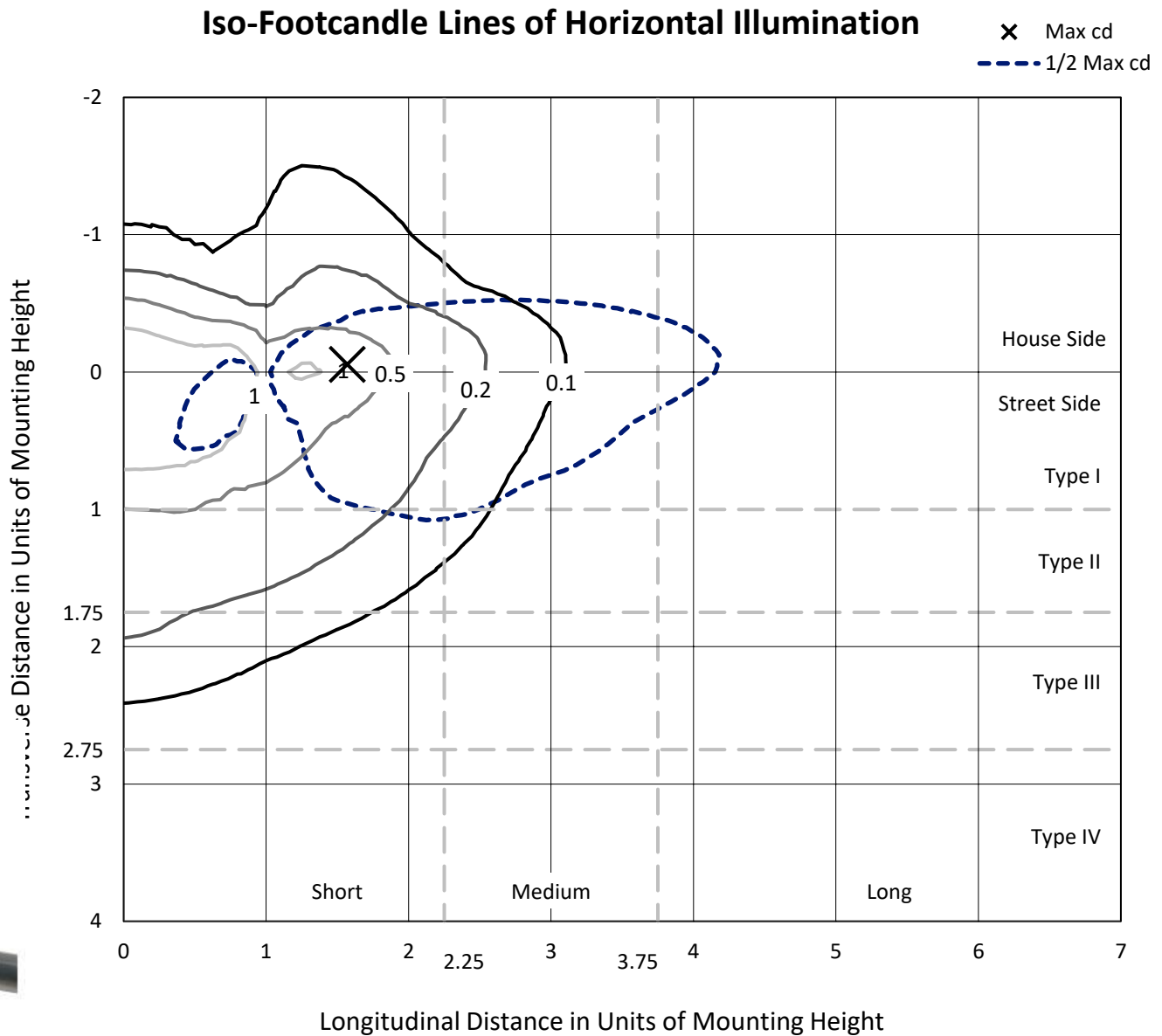
Lumens per Lamp: N/A
Luminaire Lumens: 5813 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 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: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

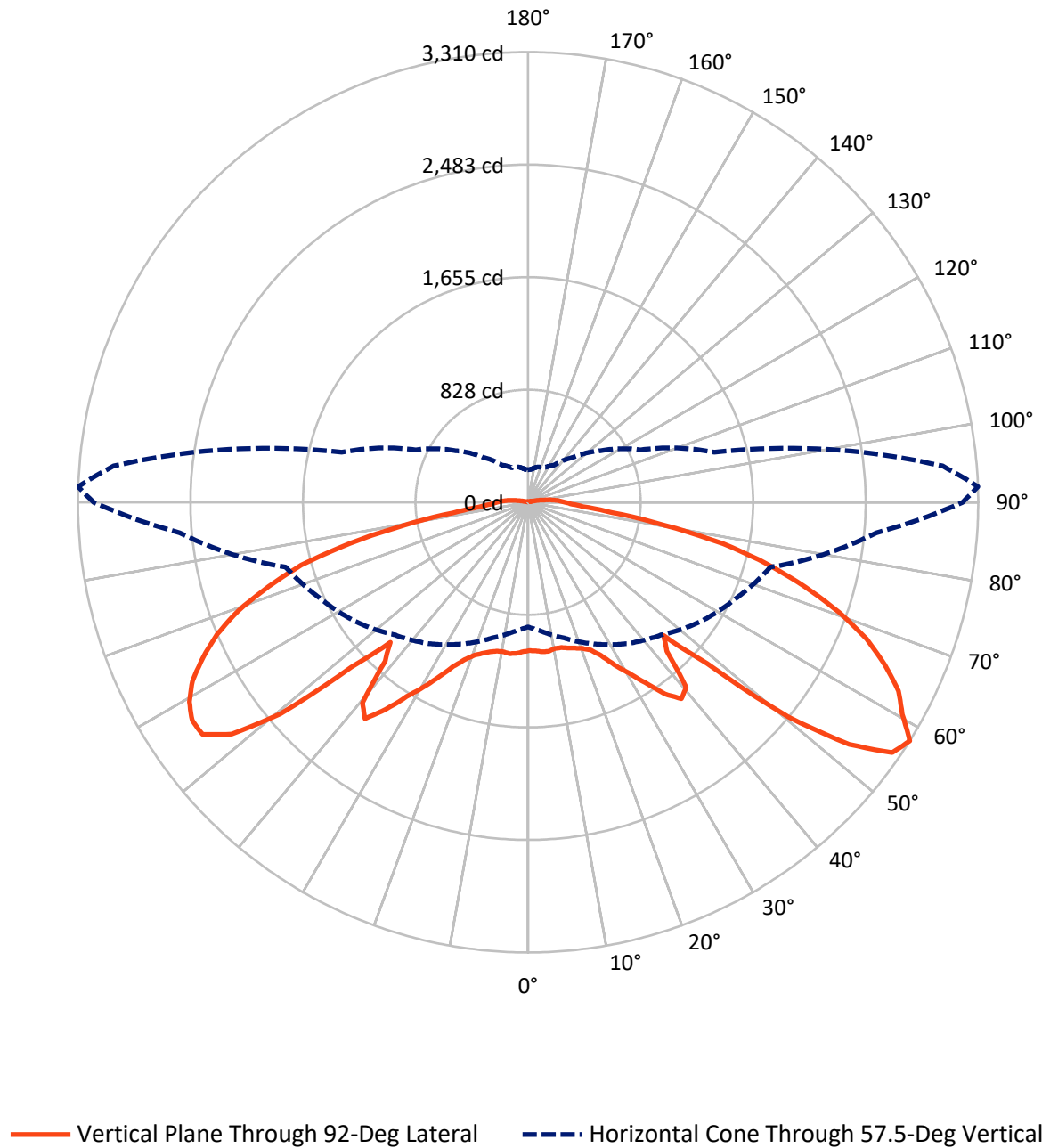


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type I - Short - N/A

REPORT NUMBER: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

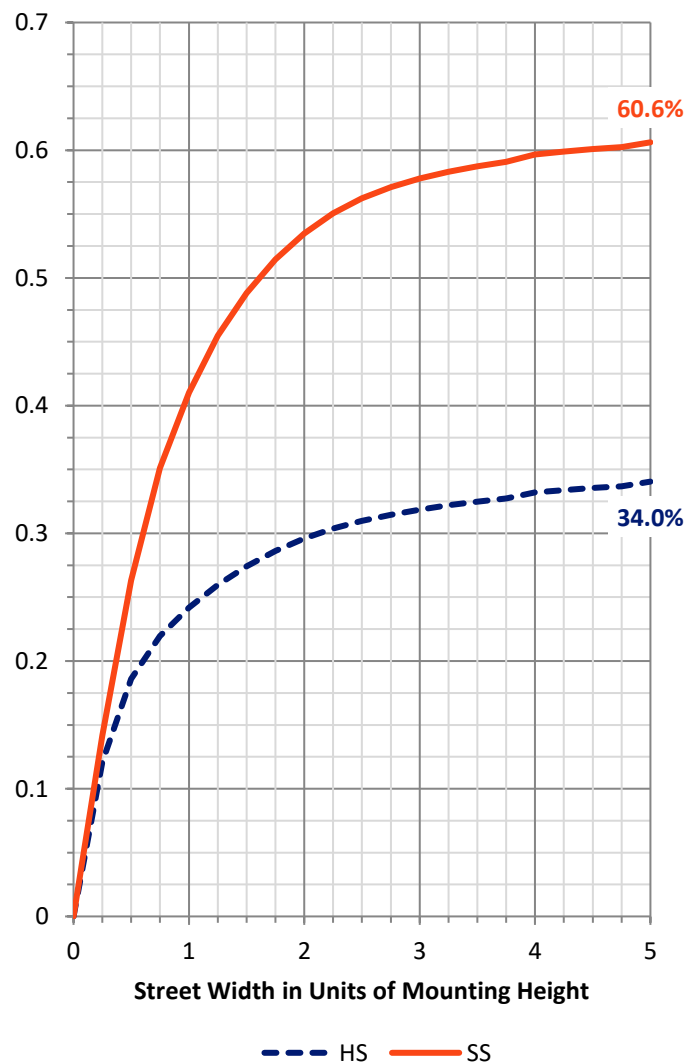
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2074.1	90.6	2164.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3574.3	74.0	3648.2
	% Fixture	61.5	1.3	62.8
Total	Lumens	5648.4	164.6	5813.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	1.8
10°-20°	308.0	5.3
20°-30°	510.9	8.8
30°-40°	707.1	12.2
40°-50°	660.2	11.4
50°-60°	986.5	17.0
60°-70°	1171.9	20.2
70°-80°	860.1	14.8
80°-90°	339.1	5.8
90°-100°	119.4	2.1
100°-110°	28.2	0.5
110°-120°	10.9	0.2
120°-130°	5.6	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°	5648.4	97.2
0°-180°	5813.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691484

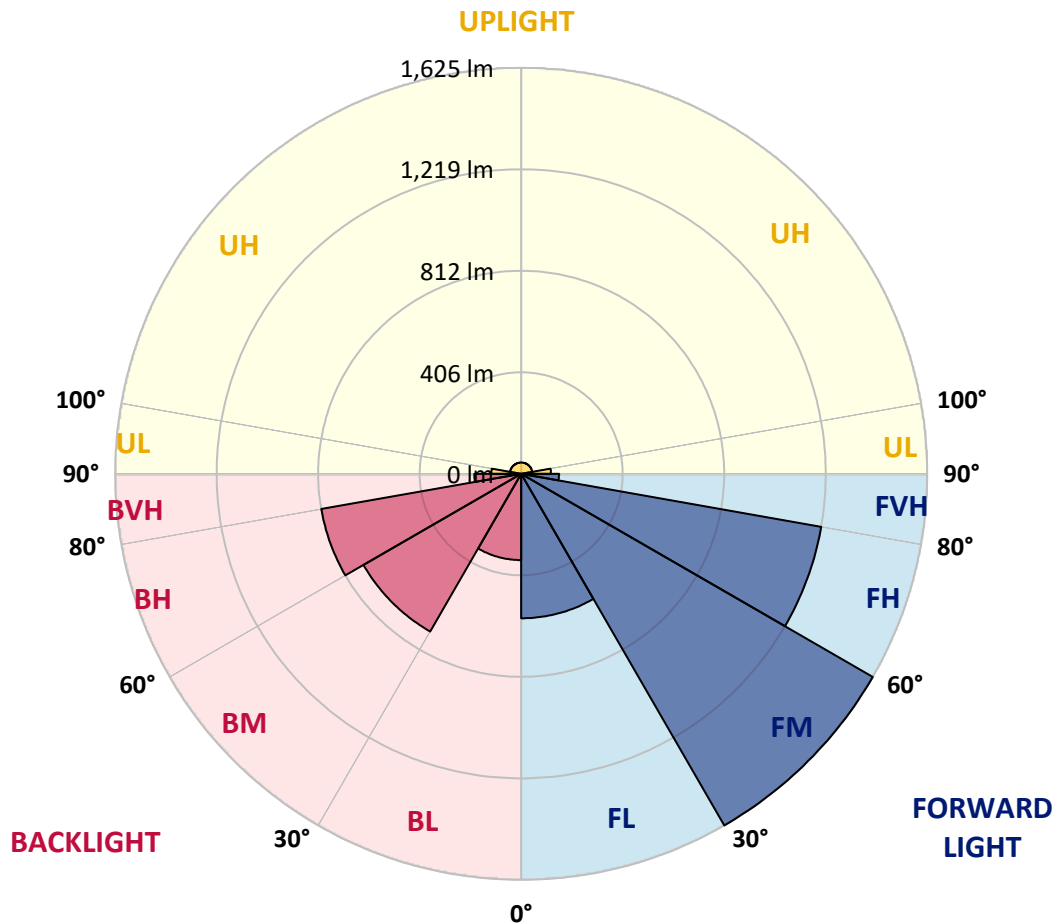
CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.2	9.9			
FM	(30°-60°)	1625.0	28.0			
FH	(60°-80°)	1219.5	21.0			G1/1800
FVH	(80°-90°)	151.6	2.6			G2/225
BL	(0°-30°)	345.3	5.9	B1/500		
BM	(30°-60°)	728.9	12.5	B1/1000		
BH	(60°-80°)	812.5	14.0	B2/1000		G2/1000
BVH	(80°-90°)	187.5	3.2			G2/225
UL	(90°-100°)	119.4	2.1		U3/500	
UH	(100°-180°)	45.2	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short



REPORT NUMBER: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	1137.4	1129.6	1131.5	1129.6	1125.7	1121.7	1117.8	1113.9	1108.0	1102.2	1098.3
5°	1204.0	1196.1	1196.1	1196.1	1188.3	1176.6	1160.9	1151.1	1137.4	1121.7	1110.0
7.5°	1249.0	1243.1	1241.2	1239.2	1229.4	1221.6	1204.0	1172.6	1151.1	1131.5	1113.9
10°	1264.7	1264.7	1262.7	1256.8	1247.0	1237.2	1225.5	1196.1	1160.9	1127.6	1104.1
12.5°	1294.0	1297.9	1292.1	1282.3	1278.4	1266.6	1249.0	1225.5	1186.4	1135.5	1108.0
15°	1339.0	1337.1	1329.3	1327.3	1323.4	1309.7	1294.0	1264.7	1219.6	1155.0	1123.7
17.5°	1358.6	1356.7	1356.7	1356.7	1356.7	1346.9	1344.9	1311.6	1264.7	1186.4	1147.2
20°	1362.5	1362.5	1368.4	1382.1	1384.1	1382.1	1391.9	1370.4	1315.6	1225.5	1172.6
22.5°	1388.0	1389.9	1399.7	1413.4	1423.2	1427.1	1435.0	1444.8	1393.9	1288.1	1221.6
25°	1374.3	1384.1	1405.6	1427.1	1450.6	1464.3	1507.4	1540.7	1497.6	1380.2	1290.1
27.5°	1350.8	1358.6	1401.7	1440.8	1493.7	1550.5	1613.1	1656.2	1630.7	1493.7	1399.7
30°	1372.3	1372.3	1399.7	1464.3	1532.9	1636.6	1728.6	1775.6	1763.9	1613.1	1527.0
32.5°	1327.3	1339.0	1397.8	1491.7	1595.5	1730.6	1824.6	1912.6	1924.4	1767.8	1628.8
35°	1194.2	1219.6	1258.8	1382.1	1558.3	1793.2	1938.1	2049.7	2098.6	1944.0	1781.5
37.5°	986.7	996.5	1078.7	1202.0	1411.5	1644.4	1895.0	2167.1	2268.9	2077.1	1934.2
40°	871.2	877.0	929.9	1037.6	1213.8	1442.8	1654.2	1934.2	2014.4	1994.9	1859.8
42.5°	832.0	841.8	904.4	1008.2	1157.0	1315.6	1370.4	1491.7	1460.4	1544.6	1587.7
45°	879.0	884.9	929.9	1019.9	1113.9	1182.4	1143.3	1229.4	1272.5	1438.9	1448.7
47.5°	912.3	916.2	965.1	1078.7	1094.3	1096.3	1149.2	1200.1	1319.5	1679.7	1840.2
50°	783.1	802.6	896.6	994.5	1002.3	1157.0	1307.7	1409.5	1556.4	2212.2	2519.5
52.5°	726.3	736.1	837.9	1008.2	1121.7	1301.9	1409.5	1511.3	1652.3	2443.2	2983.5
55°	796.8	812.4	933.8	1123.7	1237.2	1360.6	1495.7	1621.0	1759.9	2562.6	3191.0
57.5°	916.2	945.6	1033.7	1149.2	1268.6	1380.2	1536.8	1681.6	1844.1	2570.4	3194.9
60°	1153.1	1131.5	1082.6	1133.5	1249.0	1376.2	1556.4	1711.0	1891.1	2568.5	3104.9
62.5°	1315.6	1284.2	1121.7	1098.3	1205.9	1335.1	1513.3	1707.1	1881.3	2482.3	3003.1
65°	1284.2	1262.7	1137.4	1051.3	1129.6	1268.6	1454.6	1683.6	1834.3	2390.3	2819.1
67.5°	1108.0	1082.6	1029.7	996.5	1035.6	1198.1	1399.7	1636.6	1779.5	2284.6	2617.4
70°	904.4	890.7	873.1	908.4	957.3	1110.0	1299.9	1534.8	1675.8	2083.0	2402.1
72.5°	767.4	759.6	738.0	775.2	857.5	994.5	1153.1	1388.0	1546.6	1810.8	2135.8
75°	646.0	648.0	636.2	659.7	712.6	847.7	973.0	1202.0	1378.2	1554.4	1848.0
77.5°	530.5	524.7	536.4	550.1	585.3	683.2	767.4	967.1	1176.6	1233.3	1417.4
80°	387.6	397.4	418.9	417.0	446.3	489.4	546.2	651.9	826.1	882.9	953.4
82.5°	274.1	285.8	305.4	283.9	287.8	299.5	325.0	373.9	465.9	522.7	581.4
85°	193.8	199.7	203.6	187.9	187.9	195.8	213.4	248.6	305.4	340.6	372.0
87.5°	141.0	142.9	150.7	142.9	144.9	148.8	164.4	187.9	234.9	260.4	285.8
90°	107.7	107.7	111.6	109.6	113.5	121.4	137.0	156.6	191.9	223.2	246.7
92.5°	78.3	78.3	82.2	84.2	86.1	95.9	109.6	125.3	148.8	187.9	211.4
95°	60.7	60.7	64.6	64.6	66.6	74.4	86.1	101.8	119.4	146.8	168.4
97.5°	45.0	45.0	48.9	48.9	50.9	56.8	66.6	76.3	92.0	109.6	119.4
100°	35.2	35.2	37.2	37.2	39.2	45.0	50.9	56.8	60.7	70.5	74.4
102.5°	29.4	29.4	29.4	29.4	29.4	33.3	35.2	35.2	37.2	43.1	45.0
105°	23.5	23.5	23.5	21.5	21.5	23.5	23.5	23.5	25.4	25.4	27.4
107.5°	17.6	17.6	17.6	17.6	17.6	19.6	19.6	19.6	19.6	21.5	21.5
110°	15.7	15.7	15.7	15.7	15.7	15.7	17.6	17.6	17.6	17.6	17.6

REPORT NUMBER: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.7	13.7	13.7	13.7	13.7	13.7	15.7	15.7	15.7	15.7	15.7
115°	11.7	11.7	11.7	11.7	11.7	13.7	15.7	13.7	13.7	13.7	13.7
117.5°	9.8	9.8	9.8	11.7	11.7	11.7	13.7	11.7	11.7	11.7	13.7
120°	7.8	7.8	9.8	9.8	9.8	9.8	9.8	9.8	11.7	11.7	11.7
122.5°	7.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8	9.8	9.8	11.7
125°	5.9	5.9	5.9	7.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
130°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
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

REPORT NUMBER: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	1094.3	1094.3	1082.6	1070.8	1059.1	1047.4	1037.6	1031.7	1023.9	1025.8	1025.8
5°	1104.1	1098.3	1072.8	1057.1	1039.5	1023.9	1008.2	994.5	990.6	988.6	980.8
7.5°	1106.1	1096.3	1068.9	1045.4	1012.1	974.9	957.3	941.6	931.9	939.7	935.8
10°	1092.4	1080.6	1049.3	1014.1	967.1	935.8	908.4	892.7	884.9	886.8	884.9
12.5°	1096.3	1082.6	1031.7	978.8	939.7	886.8	853.5	839.8	830.1	830.1	824.2
15°	1112.0	1088.5	1016.0	961.2	896.6	851.6	812.4	802.6	798.7	794.8	788.9
17.5°	1127.6	1094.3	1014.1	929.9	857.5	808.5	769.4	751.7	742.0	742.0	740.0
20°	1147.2	1106.1	1002.3	896.6	820.3	755.7	708.7	693.0	685.2	683.2	679.3
22.5°	1180.5	1137.4	996.5	882.9	771.3	704.8	659.7	630.4	614.7	612.8	612.8
25°	1247.0	1194.2	1008.2	845.7	738.0	651.9	597.1	567.7	550.1	550.1	548.1
27.5°	1352.8	1268.6	1025.8	832.0	675.4	595.1	538.4	493.3	477.7	477.7	479.6
30°	1456.5	1382.1	1070.8	802.6	640.2	520.7	452.2	418.9	399.4	391.5	393.5
32.5°	1579.8	1501.5	1133.5	783.1	569.7	432.6	370.0	352.4	323.0	315.2	309.3
35°	1730.6	1617.0	1204.0	755.7	514.9	368.0	317.1	281.9	268.2	258.4	256.5
37.5°	1832.4	1732.5	1266.6	761.5	438.5	332.8	276.0	238.8	225.1	227.1	227.1
40°	1789.3	1673.8	1282.3	722.4	373.9	289.7	231.0	209.5	201.6	203.6	205.6
42.5°	1495.7	1435.0	1061.1	646.0	309.3	233.0	193.8	193.8	199.7	193.8	193.8
45°	1397.8	1245.1	771.3	454.2	233.0	191.9	184.0	189.9	203.6	203.6	203.6
47.5°	1769.7	1597.5	691.1	379.8	260.4	215.3	199.7	189.9	191.9	189.9	189.9
50°	2482.3	2212.2	927.9	473.8	315.2	256.5	227.1	207.5	207.5	203.6	199.7
52.5°	2956.1	2672.2	1129.6	593.2	395.5	299.5	260.4	225.1	213.4	205.6	203.6
55°	3249.7	3034.4	1303.8	759.6	514.9	356.3	289.7	252.5	234.9	219.3	217.3
57.5°	3310.4	3059.8	1419.3	912.3	663.7	467.9	332.8	279.9	268.2	242.8	238.8
60°	3161.6	2995.2	1464.3	1012.1	792.9	616.7	434.6	325.0	299.5	281.9	278.0
62.5°	3057.9	2866.0	1448.7	1045.4	873.1	740.0	571.6	399.4	326.9	328.9	346.5
65°	2883.7	2754.4	1333.2	996.5	869.2	781.1	642.1	462.0	336.7	332.8	354.3
67.5°	2684.0	2582.2	1217.7	888.8	800.7	724.3	597.1	440.5	319.1	299.5	301.5
70°	2427.5	2341.4	1100.2	828.1	738.0	642.1	518.8	381.7	315.2	283.9	283.9
72.5°	2131.9	2030.1	1002.3	783.1	704.8	616.7	497.2	368.0	338.7	326.9	336.7
75°	1818.7	1689.5	926.0	740.0	681.3	616.7	495.3	368.0	338.7	328.9	328.9
77.5°	1466.3	1389.9	843.8	671.5	634.3	587.3	456.1	342.6	332.8	328.9	328.9
80°	1014.1	1002.3	687.1	583.4	573.6	556.0	428.7	330.8	330.8	325.0	317.1
82.5°	622.5	593.2	491.4	436.6	469.8	495.3	389.6	311.3	303.4	297.6	293.7
85°	403.3	405.2	344.6	305.4	325.0	377.8	328.9	281.9	270.2	274.1	274.1
87.5°	309.3	319.1	270.2	248.6	244.7	256.5	258.4	252.5	244.7	238.8	240.8
90°	266.2	270.2	217.3	199.7	197.7	201.6	201.6	213.4	213.4	193.8	182.1
92.5°	223.2	229.0	180.1	162.5	162.5	168.4	172.3	172.3	156.6	127.2	113.5
95°	176.2	180.1	142.9	129.2	131.2	131.2	129.2	123.3	95.9	56.8	50.9
97.5°	123.3	125.3	105.7	97.9	99.8	95.9	84.2	76.3	58.7	33.3	31.3
100°	78.3	80.3	66.6	64.6	70.5	62.6	54.8	50.9	35.2	21.5	25.4
102.5°	47.0	47.0	41.1	39.2	43.1	37.2	33.3	27.4	21.5	13.7	17.6
105°	27.4	27.4	25.4	25.4	25.4	23.5	21.5	17.6	11.7	9.8	9.8
107.5°	21.5	21.5	19.6	19.6	17.6	17.6	15.7	11.7	7.8	5.9	5.9
110°	17.6	17.6	15.7	15.7	15.7	13.7	11.7	9.8	5.9	3.9	3.9

REPORT NUMBER: P691484

CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.7	15.7	13.7	13.7	11.7	11.7	9.8	7.8	5.9	3.9	3.9
115°	13.7	13.7	11.7	9.8	9.8	9.8	7.8	5.9	3.9	2.0	3.9
117.5°	13.7	13.7	9.8	7.8	7.8	7.8	5.9	5.9	3.9	2.0	2.0
120°	11.7	11.7	7.8	7.8	5.9	5.9	5.9	3.9	2.0	2.0	2.0
122.5°	9.8	9.8	7.8	5.9	5.9	5.9	3.9	3.9	2.0	2.0	2.0
125°	9.8	9.8	5.9	5.9	5.9	3.9	3.9	3.9	2.0	0.0	0.0
127.5°	7.8	7.8	5.9	5.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
130°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	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)