

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: P691492

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691492
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-T2-7050-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: 5880 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

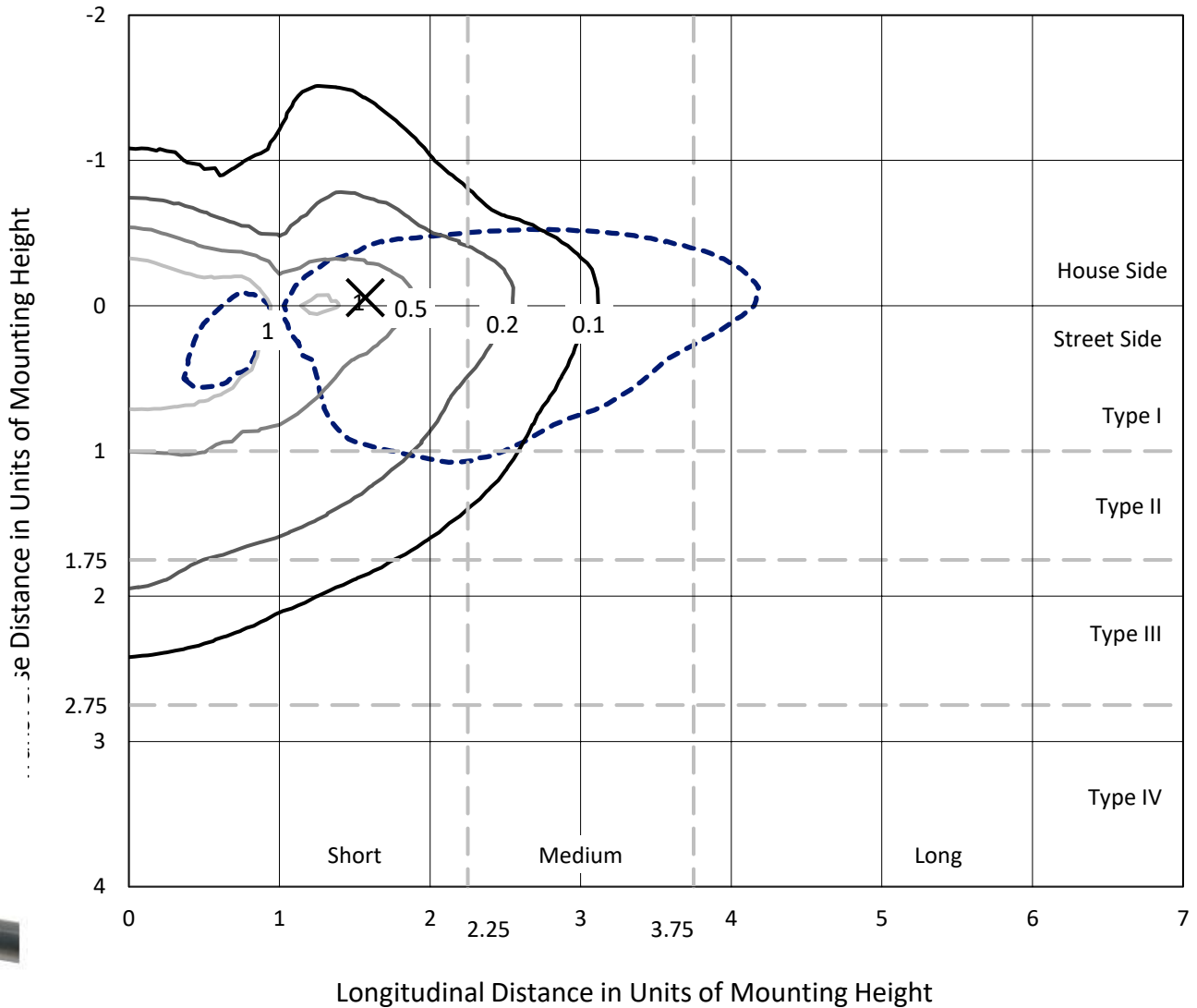
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

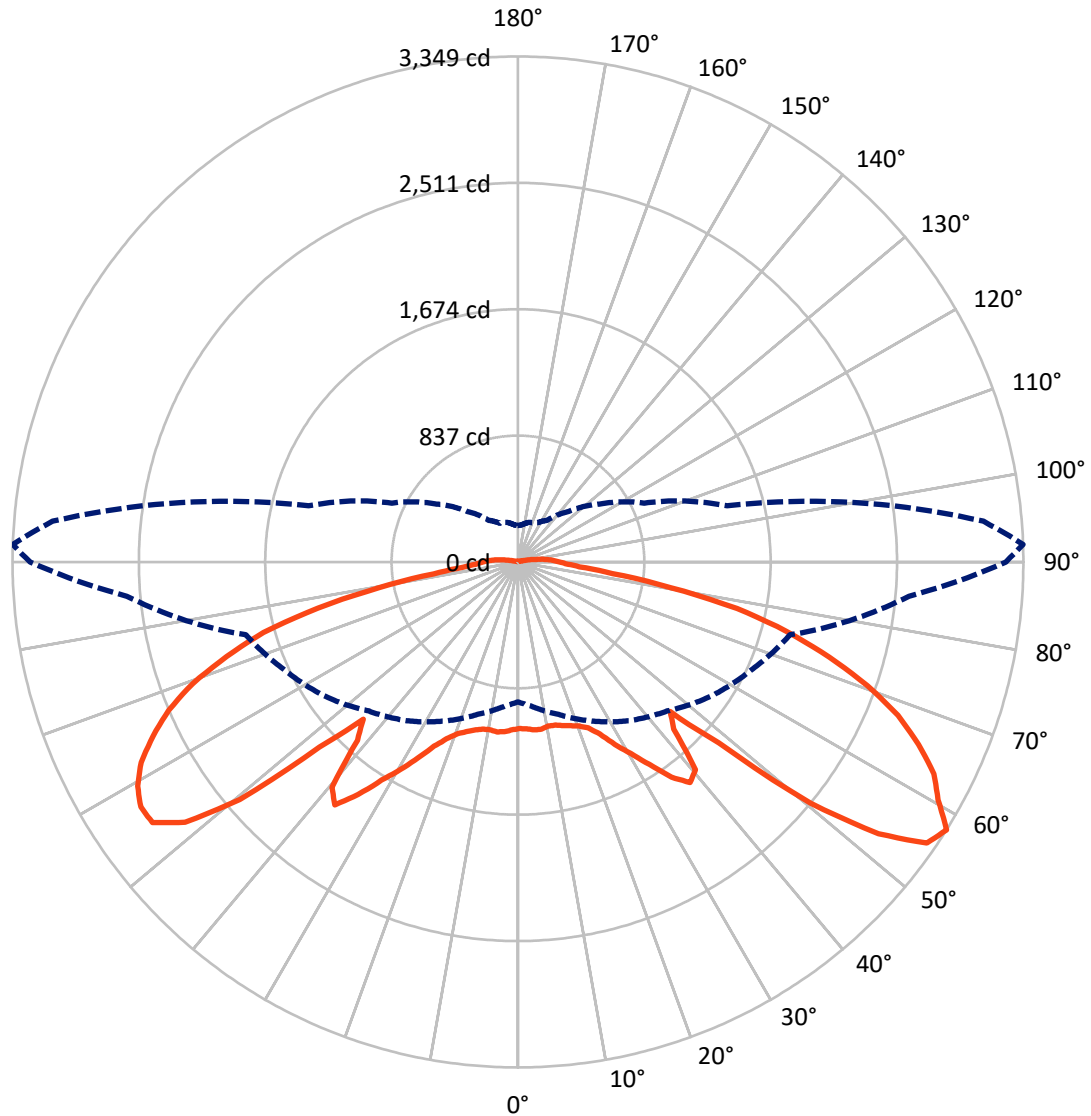
✕ Max cd
 - - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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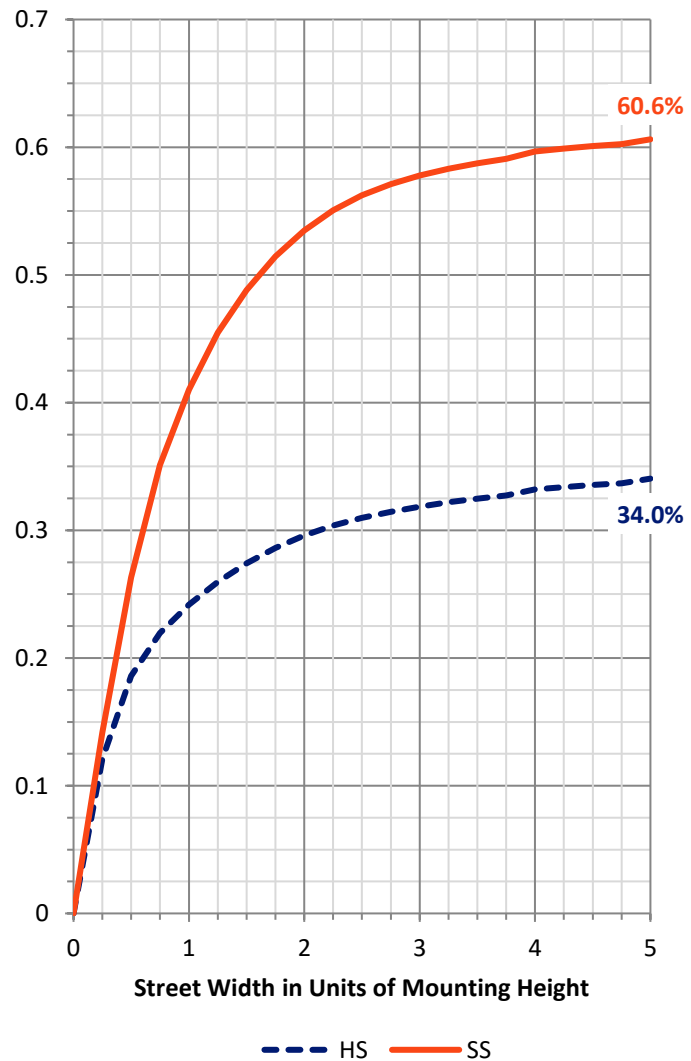
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2098.0	91.7	2189.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3615.5	74.8	3690.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	5713.5	166.5	5880.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	1.8
10°-20°	311.6	5.3
20°-30°	516.8	8.8
30°-40°	715.2	12.2
40°-50°	667.8	11.4
50°-60°	997.9	17.0
60°-70°	1185.4	20.2
70°-80°	870.0	14.8
80°-90°	343.0	5.8
90°-100°	120.8	2.1
100°-110°	28.6	0.5
110°-120°	11.0	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°	5713.5	97.2
0°-180°	5880.0	100.0



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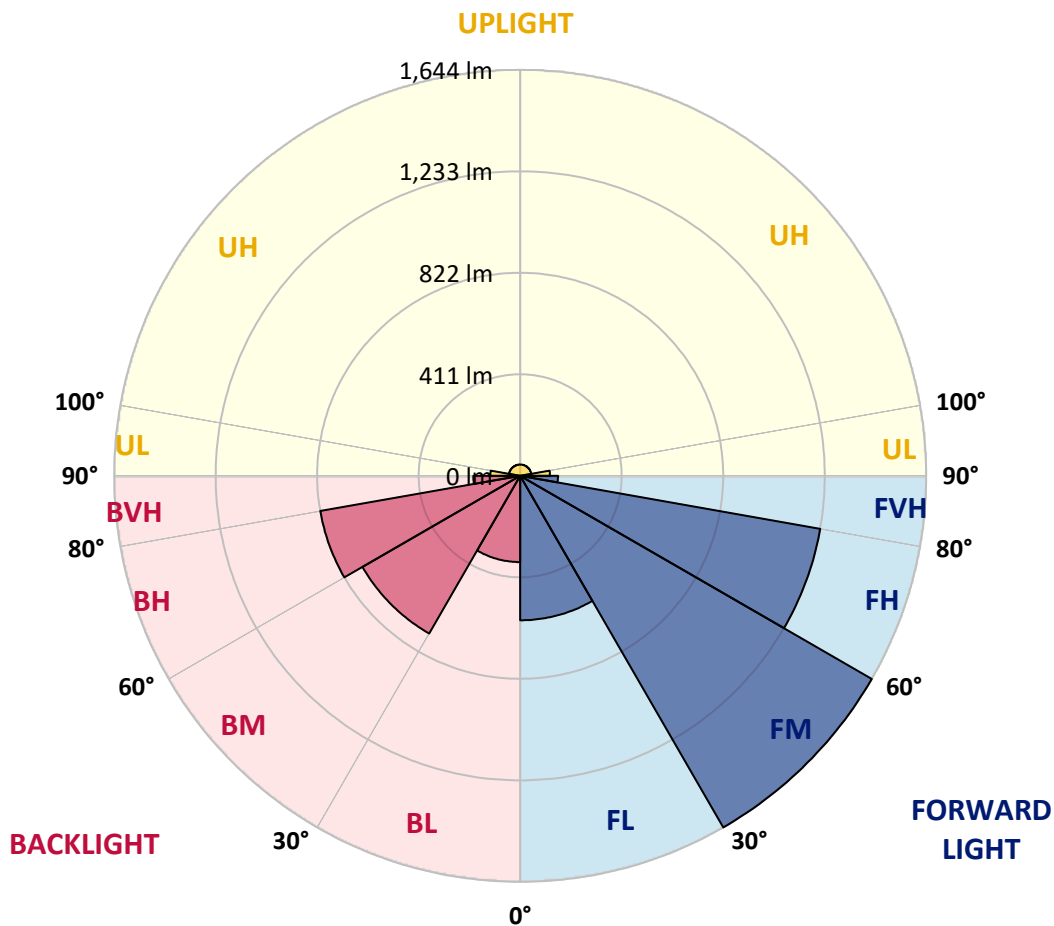
CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.9	9.9			
FM (30°-60°)	1643.7	28.0			
FH (60°-80°)	1233.5	21.0			G1/1800
FVH (80°-90°)	153.3	2.6			G2/225
BL (0°-30°)	349.2	5.9	B1/500		
BM (30°-60°)	737.3	12.5	B1/1000		
BH (60°-80°)	821.8	14.0	B2/1000		G2/1000
BVH (80°-90°)	189.7	3.2			G2/225
UL (90°-100°)	120.8	2.1		U3/500	
UH (100°-180°)	45.7	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°	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0
2.5°	1150.5	1142.6	1144.6	1142.6	1138.6	1134.7	1130.7	1126.8	1120.8	1114.9	1110.9
5°	1217.8	1209.9	1209.9	1209.9	1202.0	1190.1	1174.3	1164.4	1150.5	1134.7	1122.8
7.5°	1263.4	1257.5	1255.5	1253.5	1243.6	1235.7	1217.8	1186.2	1164.4	1144.6	1126.8
10°	1279.2	1279.2	1277.3	1271.3	1261.4	1251.5	1239.6	1209.9	1174.3	1140.6	1116.9
12.5°	1308.9	1312.9	1307.0	1297.1	1293.1	1281.2	1263.4	1239.6	1200.0	1148.5	1120.8
15°	1354.5	1352.5	1344.6	1342.6	1338.6	1324.8	1308.9	1279.2	1233.7	1168.3	1136.7
17.5°	1374.3	1372.3	1372.3	1372.3	1372.3	1362.4	1360.4	1326.8	1279.2	1200.0	1160.4
20°	1378.2	1378.2	1384.2	1398.0	1400.0	1398.0	1407.9	1386.2	1330.7	1239.6	1186.2
22.5°	1404.0	1406.0	1415.9	1429.7	1439.6	1443.6	1451.5	1461.4	1409.9	1303.0	1235.7
25°	1390.1	1400.0	1421.8	1443.6	1467.4	1481.2	1524.8	1558.4	1514.9	1396.1	1305.0
27.5°	1366.4	1374.3	1417.9	1457.5	1510.9	1568.3	1631.7	1675.3	1649.5	1510.9	1415.9
30°	1388.1	1388.1	1415.9	1481.2	1550.5	1655.5	1748.5	1796.1	1784.2	1631.7	1544.6
32.5°	1342.6	1354.5	1413.9	1508.9	1613.9	1750.5	1845.6	1934.7	1946.6	1788.2	1647.6
35°	1207.9	1233.7	1273.3	1398.0	1576.3	1813.9	1960.4	2073.3	2122.8	1966.4	1802.0
37.5°	998.0	1007.9	1091.1	1215.9	1427.8	1663.4	1916.9	2192.1	2295.1	2101.0	1956.5
40°	881.2	887.1	940.6	1049.5	1227.7	1459.4	1673.3	1956.5	2037.7	2017.9	1881.2
42.5°	841.6	851.5	914.9	1019.8	1170.3	1330.7	1386.2	1508.9	1477.3	1562.4	1606.0
45°	889.1	895.1	940.6	1031.7	1126.8	1196.1	1156.5	1243.6	1287.2	1455.5	1465.4
47.5°	922.8	926.8	976.3	1091.1	1107.0	1108.9	1162.4	1213.9	1334.7	1699.0	1861.4
50°	792.1	811.9	906.9	1006.0	1013.9	1170.3	1322.8	1425.8	1574.3	2237.7	2548.6
52.5°	734.7	744.6	847.5	1019.8	1134.7	1316.9	1425.8	1528.7	1671.3	2471.3	3017.9
55°	806.0	821.8	944.6	1136.7	1251.5	1376.3	1512.9	1639.6	1780.2	2592.1	3227.8
57.5°	926.8	956.5	1045.6	1162.4	1283.2	1396.1	1554.5	1701.0	1865.4	2600.1	3231.7
60°	1166.4	1144.6	1095.1	1146.6	1263.4	1392.1	1574.3	1730.7	1912.9	2598.1	3140.7
62.5°	1330.7	1299.0	1134.7	1110.9	1219.8	1350.5	1530.7	1726.8	1903.0	2510.9	3037.7
65°	1299.0	1277.3	1150.5	1063.4	1142.6	1283.2	1471.3	1703.0	1855.5	2417.9	2851.5
67.5°	1120.8	1095.1	1041.6	1007.9	1047.5	1211.9	1415.9	1655.5	1800.0	2310.9	2647.6
70°	914.9	901.0	883.2	918.8	968.3	1122.8	1314.9	1552.5	1695.1	2107.0	2429.8
72.5°	776.3	768.3	746.5	784.2	867.3	1006.0	1166.4	1404.0	1564.4	1831.7	2160.4
75°	653.5	655.5	643.6	667.3	720.8	857.4	984.2	1215.9	1394.1	1572.3	1869.3
77.5°	536.6	530.7	542.6	556.4	592.1	691.1	776.3	978.2	1190.1	1247.5	1433.7
80°	392.1	402.0	423.8	421.8	451.5	495.1	552.5	659.4	835.7	893.1	964.4
82.5°	277.2	289.1	308.9	287.1	291.1	303.0	328.7	378.2	471.3	528.7	588.1
85°	196.0	202.0	205.9	190.1	190.1	198.0	215.8	251.5	308.9	344.6	376.2
87.5°	142.6	144.6	152.5	144.6	146.5	150.5	166.3	190.1	237.6	263.4	289.1
90°	108.9	108.9	112.9	110.9	114.9	122.8	138.6	158.4	194.1	225.7	249.5
92.5°	79.2	79.2	83.2	85.2	87.1	97.0	110.9	126.7	150.5	190.1	213.9
95°	61.4	61.4	65.3	65.3	67.3	75.2	87.1	103.0	120.8	148.5	170.3
97.5°	45.5	45.5	49.5	49.5	51.5	57.4	67.3	77.2	93.1	110.9	120.8
100°	35.6	35.6	37.6	37.6	39.6	45.5	51.5	57.4	61.4	71.3	75.2
102.5°	29.7	29.7	29.7	29.7	29.7	33.7	35.6	35.6	37.6	43.6	45.5
105°	23.8	23.8	23.8	21.8	21.8	23.8	23.8	23.8	25.7	25.7	27.7
107.5°	17.8	17.8	17.8	17.8	17.8	19.8	19.8	19.8	19.8	21.8	21.8
110°	15.8	15.8	15.8	15.8	15.8	15.8	17.8	17.8	17.8	17.8	17.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.9	13.9	13.9	13.9	13.9	13.9	15.8	15.8	15.8	15.8	15.8
115°	11.9	11.9	11.9	11.9	11.9	13.9	15.8	13.9	13.9	13.9	13.9
117.5°	9.9	9.9	9.9	11.9	11.9	11.9	13.9	11.9	11.9	11.9	13.9
120°	7.9	7.9	9.9	9.9	9.9	9.9	9.9	9.9	11.9	11.9	11.9
122.5°	7.9	7.9	7.9	7.9	7.9	9.9	9.9	9.9	9.9	9.9	11.9
125°	5.9	5.9	5.9	7.9	7.9	7.9	7.9	7.9	7.9	9.9	9.9
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.9	7.9	7.9
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



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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0	1103.0
2.5°	1107.0	1107.0	1095.1	1083.2	1071.3	1059.4	1049.5	1043.6	1035.7	1037.6	1037.6
5°	1116.9	1110.9	1085.2	1069.3	1051.5	1035.7	1019.8	1006.0	1002.0	1000.0	992.1
7.5°	1118.8	1108.9	1081.2	1057.4	1023.8	986.2	968.3	952.5	942.6	950.5	946.6
10°	1105.0	1093.1	1061.4	1025.8	978.2	946.6	918.8	903.0	895.1	897.0	895.1
12.5°	1108.9	1095.1	1043.6	990.1	950.5	897.0	863.4	849.5	839.6	839.6	833.7
15°	1124.8	1101.0	1027.7	972.3	906.9	861.4	821.8	811.9	807.9	804.0	798.0
17.5°	1140.6	1107.0	1025.8	940.6	867.3	817.8	778.2	760.4	750.5	750.5	748.5
20°	1160.4	1118.8	1013.9	906.9	829.7	764.4	716.8	701.0	693.1	691.1	687.1
22.5°	1194.1	1150.5	1007.9	893.1	780.2	712.9	667.3	637.6	621.8	619.8	619.8
25°	1261.4	1207.9	1019.8	855.5	746.5	659.4	604.0	574.3	556.4	556.4	554.5
27.5°	1368.3	1283.2	1037.6	841.6	683.2	602.0	544.6	499.0	483.2	483.2	485.2
30°	1473.3	1398.0	1083.2	811.9	647.5	526.7	457.4	423.8	404.0	396.0	398.0
32.5°	1598.1	1518.8	1146.6	792.1	576.2	437.6	374.3	356.4	326.7	318.8	312.9
35°	1750.5	1635.7	1217.8	764.4	520.8	372.3	320.8	285.2	271.3	261.4	259.4
37.5°	1853.5	1752.5	1281.2	770.3	443.6	336.6	279.2	241.6	227.7	229.7	229.7
40°	1809.9	1693.1	1297.1	730.7	378.2	293.1	233.7	211.9	204.0	205.9	207.9
42.5°	1512.9	1451.5	1073.3	653.5	312.9	235.6	196.0	196.0	202.0	196.0	196.0
45°	1413.9	1259.4	780.2	459.4	235.6	194.1	186.1	192.1	205.9	205.9	205.9
47.5°	1790.1	1615.9	699.0	384.2	263.4	217.8	202.0	192.1	194.1	192.1	192.1
50°	2510.9	2237.7	938.6	479.2	318.8	259.4	229.7	209.9	209.9	205.9	202.0
52.5°	2990.2	2703.0	1142.6	600.0	400.0	303.0	263.4	227.7	215.8	207.9	205.9
55°	3287.2	3069.4	1318.8	768.3	520.8	360.4	293.1	255.5	237.6	221.8	219.8
57.5°	3348.6	3095.1	1435.7	922.8	671.3	473.3	336.6	283.2	271.3	245.5	241.6
60°	3198.1	3029.8	1481.2	1023.8	802.0	623.8	439.6	328.7	303.0	285.2	281.2
62.5°	3093.1	2899.1	1465.4	1057.4	883.2	748.5	578.2	404.0	330.7	332.7	350.5
65°	2916.9	2786.2	1348.5	1007.9	879.2	790.1	649.5	467.3	340.6	336.6	358.4
67.5°	2714.9	2611.9	1231.7	899.0	809.9	732.7	604.0	445.6	322.8	303.0	305.0
70°	2455.5	2368.4	1112.9	837.6	746.5	649.5	524.8	386.1	318.8	287.1	287.1
72.5°	2156.5	2053.5	1013.9	792.1	712.9	623.8	503.0	372.3	342.6	330.7	340.6
75°	1839.6	1708.9	936.7	748.5	689.1	623.8	501.0	372.3	342.6	332.7	332.7
77.5°	1483.2	1406.0	853.5	679.2	641.6	594.1	461.4	346.5	336.6	332.7	332.7
80°	1025.8	1013.9	695.1	590.1	580.2	562.4	433.7	334.7	334.7	328.7	320.8
82.5°	629.7	600.0	497.0	441.6	475.3	501.0	394.1	314.9	306.9	301.0	297.0
85°	407.9	409.9	348.5	308.9	328.7	382.2	332.7	285.2	273.3	277.2	277.2
87.5°	312.9	322.8	273.3	251.5	247.5	259.4	261.4	255.5	247.5	241.6	243.6
90°	269.3	273.3	219.8	202.0	200.0	204.0	204.0	215.8	215.8	196.0	184.2
92.5°	225.7	231.7	182.2	164.4	164.4	170.3	174.3	174.3	158.4	128.7	114.9
95°	178.2	182.2	144.6	130.7	132.7	132.7	130.7	124.8	97.0	57.4	51.5
97.5°	124.8	126.7	106.9	99.0	101.0	97.0	85.2	77.2	59.4	33.7	31.7
100°	79.2	81.2	67.3	65.3	71.3	63.4	55.4	51.5	35.6	21.8	25.7
102.5°	47.5	47.5	41.6	39.6	43.6	37.6	33.7	27.7	21.8	13.9	17.8
105°	27.7	27.7	25.7	25.7	25.7	23.8	21.8	17.8	11.9	9.9	9.9
107.5°	21.8	21.8	19.8	19.8	17.8	17.8	15.8	11.9	7.9	5.9	5.9
110°	17.8	17.8	15.8	15.8	15.8	13.9	11.9	9.9	5.9	4.0	4.0



REPORT NUMBER: P691492
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.8	15.8	13.9	13.9	11.9	11.9	9.9	7.9	5.9	4.0	4.0
115°	13.9	13.9	11.9	9.9	9.9	9.9	7.9	5.9	4.0	2.0	4.0
117.5°	13.9	13.9	9.9	7.9	7.9	7.9	5.9	5.9	4.0	2.0	2.0
120°	11.9	11.9	7.9	7.9	5.9	5.9	5.9	4.0	2.0	2.0	2.0
122.5°	9.9	9.9	7.9	5.9	5.9	5.9	4.0	4.0	2.0	2.0	2.0
125°	9.9	9.9	5.9	5.9	5.9	4.0	4.0	4.0	2.0	0.0	0.0
127.5°	7.9	7.9	5.9	5.9	4.0	4.0	4.0	2.0	2.0	0.0	0.0
130°	5.9	5.9	5.9	5.9	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)