

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: P691415

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5214 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - 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

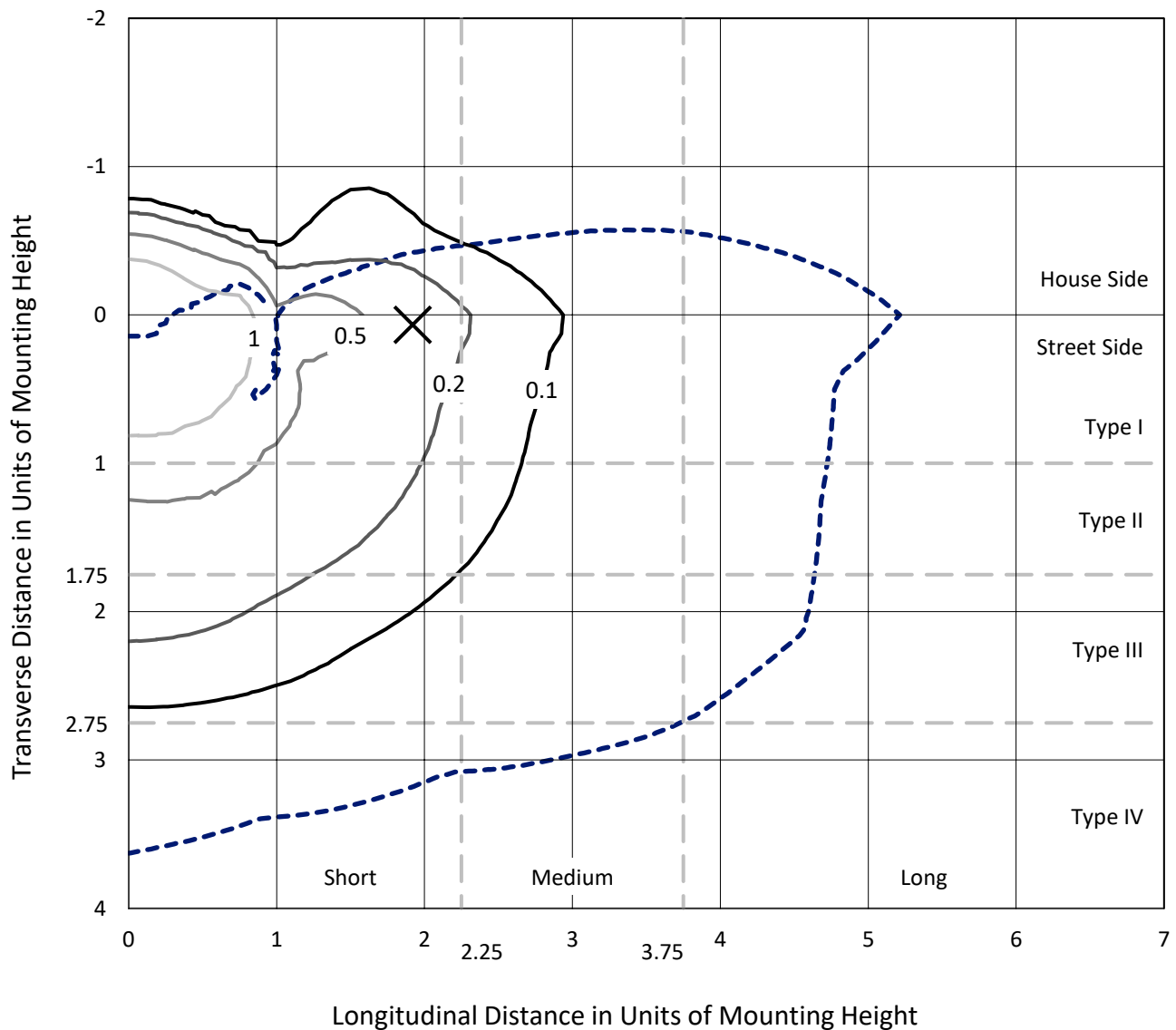


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

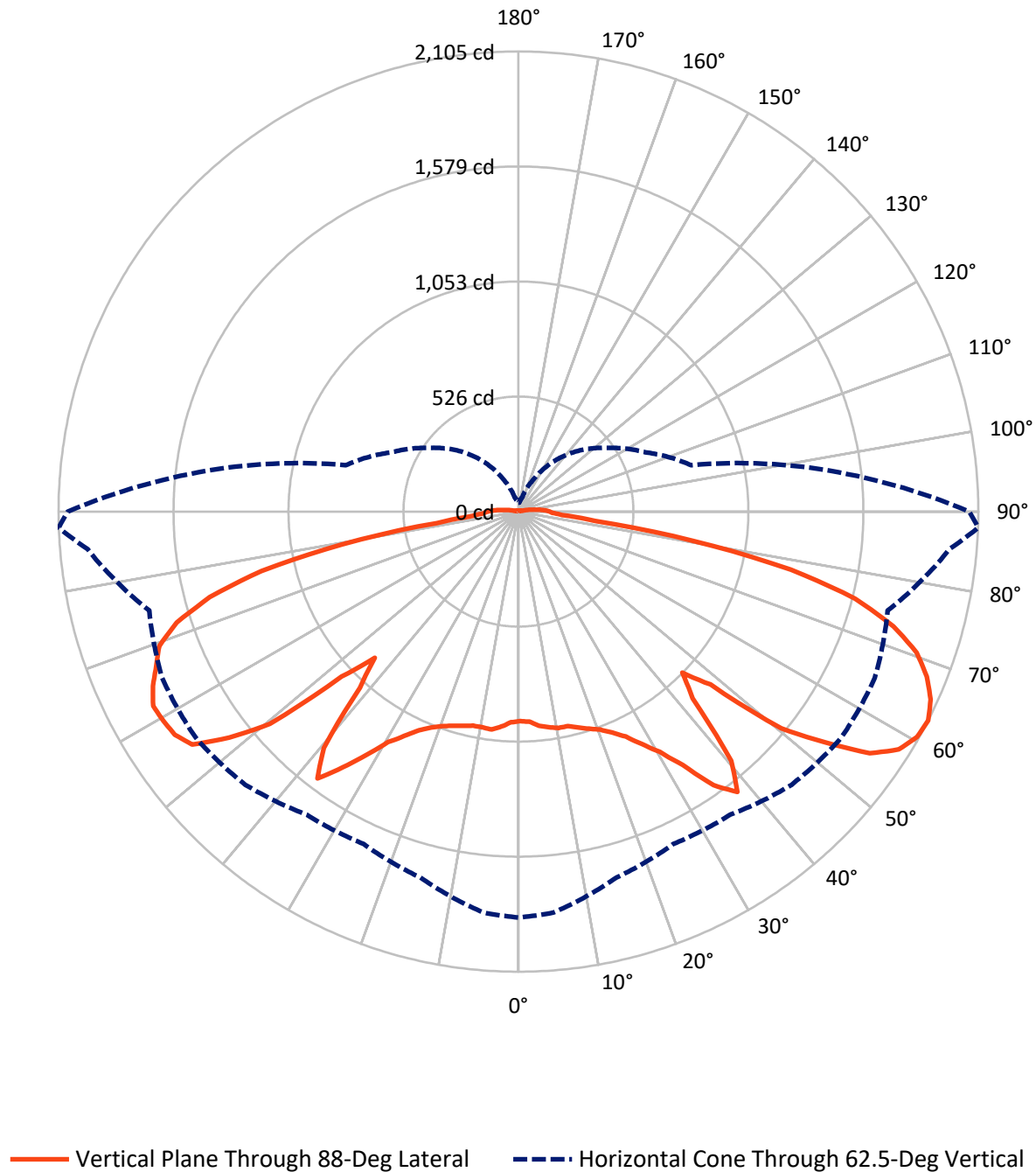


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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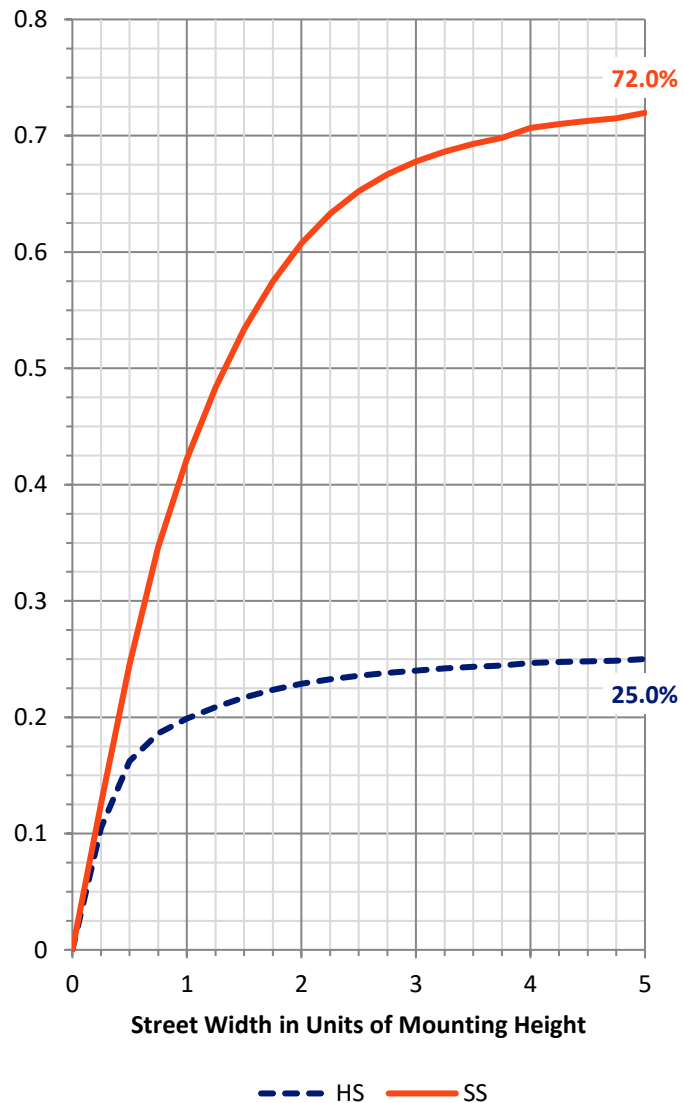
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1326.5	25.0	1351.5
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3800.9	61.7	3862.5
	% Fixture	72.9	1.2	74.1
Total	Lumens	5127.4	86.7	5214.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	1.8
10°-20°	288.5	5.5
20°-30°	488.7	9.4
30°-40°	674.6	12.9
40°-50°	583.4	11.2
50°-60°	844.6	16.2
60°-70°	1105.6	21.2
70°-80°	838.3	16.1
80°-90°	209.1	4.0
90°-100°	61.5	1.2
100°-110°	14.3	0.3
110°-120°	6.4	0.1
120°-130°	4.1	0.1
130°-140°	0.4	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°	5127.4	98.3
0°-180°	5214.0	100.0

Coefficient of Utilization



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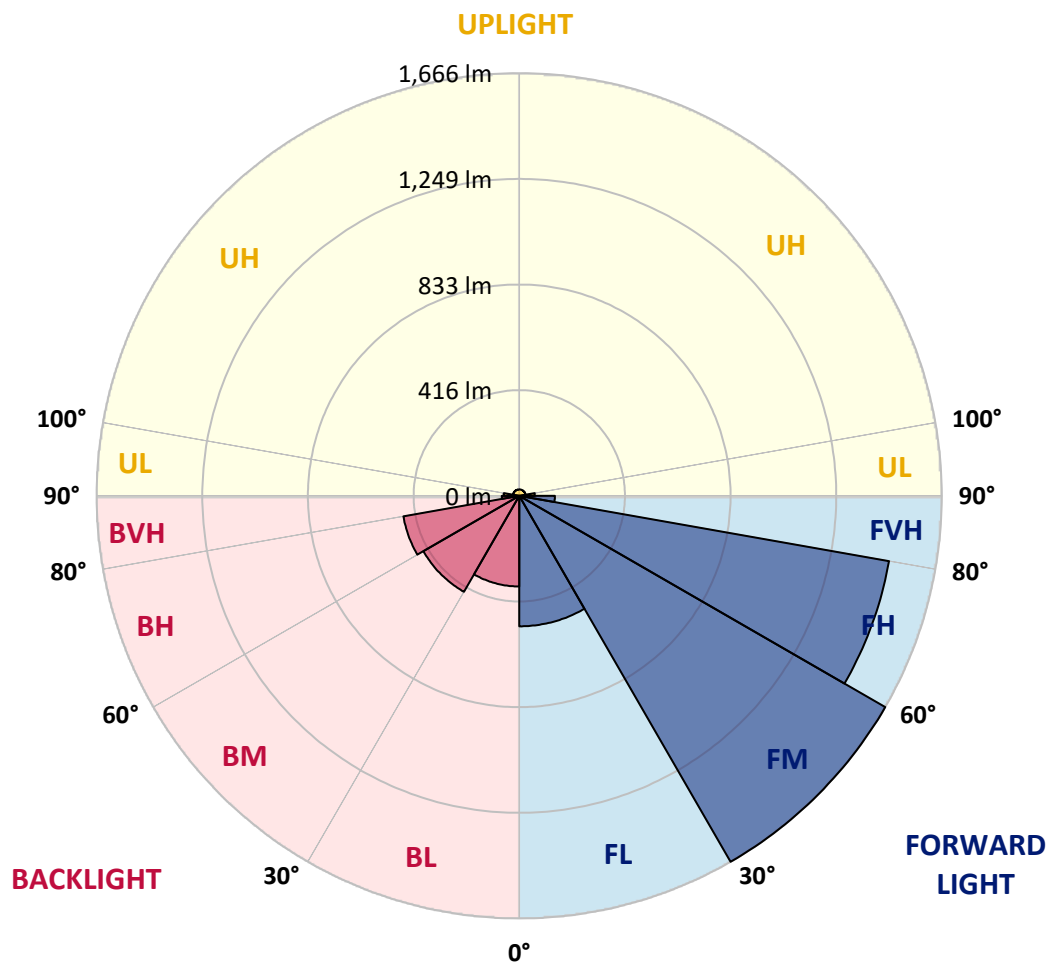
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	514.4	9.9			
FM	(30°-60°)	1665.9	31.9			
FH	(60°-80°)	1480.1	28.4			G1/1800
FVH	(80°-90°)	140.5	2.7			G2/225
BL	(0°-30°)	357.3	6.9	B1/500		
BM	(30°-60°)	436.8	8.4	B1/1000		
BH	(60°-80°)	463.8	8.9	B1/500		G1/500
BVH	(80°-90°)	68.7	1.3			G1/100
UL	(90°-100°)	61.5	1.2		U3/500	
UH	(100°-180°)	25.2	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8
2.5°	948.8	948.8	946.8	948.8	952.8	956.8	952.8	954.8	956.8	960.8	962.8
5°	984.8	982.8	978.8	974.8	970.8	970.8	966.8	964.8	968.8	980.8	984.8
7.5°	1014.8	1008.8	1004.8	1006.8	1000.8	990.8	982.8	978.8	974.8	990.8	996.8
10°	1062.7	1058.7	1044.7	1032.7	1024.8	1008.8	990.8	988.8	986.8	1002.8	1006.8
12.5°	1110.7	1106.7	1098.7	1086.7	1060.7	1046.7	1018.8	1006.8	1004.8	1014.8	1006.8
15°	1180.6	1172.6	1150.6	1138.6	1112.6	1090.7	1056.7	1038.7	1042.7	1028.7	1024.8
17.5°	1220.5	1216.5	1214.5	1196.5	1176.6	1138.6	1106.7	1080.7	1088.7	1056.7	1044.7
20°	1264.5	1262.5	1266.5	1268.5	1242.5	1208.5	1168.6	1128.6	1130.6	1088.7	1064.7
22.5°	1320.4	1314.4	1322.4	1332.4	1310.4	1282.4	1230.5	1198.5	1182.6	1126.6	1098.7
25°	1386.3	1384.3	1384.3	1402.3	1398.3	1360.3	1310.4	1274.5	1258.5	1182.6	1140.6
27.5°	1454.2	1456.2	1460.2	1472.2	1478.2	1456.2	1408.3	1376.3	1346.4	1246.5	1204.5
30°	1498.2	1498.2	1526.1	1544.1	1552.1	1552.1	1494.2	1470.2	1440.2	1328.4	1276.4
32.5°	1552.1	1556.1	1582.1	1612.0	1624.0	1640.0	1592.1	1574.1	1548.1	1430.3	1382.3
35°	1590.1	1596.1	1636.0	1682.0	1713.9	1721.9	1693.9	1701.9	1689.9	1564.1	1538.1
37.5°	1424.3	1440.2	1500.2	1590.1	1676.0	1759.9	1789.8	1829.8	1835.8	1689.9	1628.0
40°	1240.5	1246.5	1314.4	1380.3	1486.2	1554.1	1630.0	1717.9	1670.0	1512.2	1500.2
42.5°	1100.7	1126.6	1220.5	1270.5	1352.4	1368.3	1330.4	1274.5	1188.6	1174.6	1168.6
45°	1076.7	1102.7	1196.5	1278.4	1318.4	1122.6	1016.8	942.9	976.8	1060.7	1050.7
47.5°	1188.6	1220.5	1318.4	1412.3	1330.4	1112.6	1042.7	1040.7	1012.8	1156.6	1182.6
50°	1256.5	1282.4	1396.3	1394.3	1328.4	1222.5	1260.5	1218.5	1168.6	1414.3	1560.1
52.5°	1290.4	1314.4	1354.4	1404.3	1410.3	1402.3	1412.3	1378.3	1302.4	1642.0	1751.9
55°	1196.5	1256.5	1430.3	1516.2	1552.1	1530.1	1536.1	1512.2	1462.2	1783.8	1951.6
57.5°	1498.2	1530.1	1594.1	1616.0	1638.0	1628.0	1636.0	1628.0	1582.1	1889.7	2053.5
60°	1672.0	1672.0	1699.9	1664.0	1676.0	1709.9	1733.9	1733.9	1686.0	1967.6	2095.5
62.5°	1857.7	1841.8	1733.9	1678.0	1691.9	1767.9	1803.8	1799.8	1749.9	1979.6	2105.4
65°	1821.8	1793.8	1755.9	1634.0	1650.0	1755.9	1805.8	1803.8	1751.9	1935.6	2073.5
67.5°	1554.1	1580.1	1626.0	1616.0	1576.1	1697.9	1775.8	1779.8	1719.9	1861.7	2015.6
70°	1346.4	1362.3	1390.3	1474.2	1492.2	1618.0	1741.9	1759.9	1680.0	1775.8	1933.6
72.5°	1172.6	1182.6	1160.6	1246.5	1310.4	1476.2	1622.0	1656.0	1574.1	1628.0	1795.8
75°	1002.8	980.8	954.8	992.8	1042.7	1218.5	1396.3	1464.2	1392.3	1426.3	1592.1
77.5°	779.1	747.1	721.1	731.1	777.1	928.9	1100.7	1208.5	1144.6	1142.6	1274.5
80°	531.4	503.4	485.4	481.4	515.4	609.3	733.1	861.0	805.0	751.1	809.0
82.5°	331.6	331.6	315.6	291.6	289.6	307.6	331.6	363.6	343.6	335.6	353.6
85°	207.7	209.7	201.8	175.8	169.8	173.8	185.8	193.8	187.8	193.8	199.8
87.5°	145.8	143.8	133.8	129.8	127.8	133.8	143.8	147.8	147.8	153.8	153.8
90°	109.9	109.9	103.9	101.9	101.9	107.9	117.9	125.8	131.8	141.8	141.8
92.5°	91.9	91.9	87.9	85.9	85.9	87.9	95.9	105.9	111.9	121.9	117.9
95°	75.9	75.9	73.9	73.9	73.9	75.9	79.9	85.9	87.9	87.9	87.9
97.5°	59.9	57.9	55.9	55.9	55.9	57.9	59.9	65.9	67.9	61.9	61.9
100°	41.9	40.0	38.0	40.0	40.0	40.0	41.9	43.9	43.9	40.0	38.0
102.5°	26.0	26.0	26.0	26.0	24.0	24.0	24.0	24.0	22.0	20.0	20.0
105°	18.0	18.0	16.0	16.0	16.0	16.0	14.0	14.0	14.0	12.0	12.0
107.5°	14.0	14.0	14.0	14.0	14.0	12.0	12.0	12.0	12.0	10.0	10.0
110°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	10.0	8.0	8.0

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	12.0	12.0	12.0	12.0	12.0	10.0	10.0	10.0	10.0	8.0	8.0
115°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0
117.5°	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0	8.0	10.0	8.0
120°	10.0	10.0	10.0	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
122.5°	10.0	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
125°	8.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
130°	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0
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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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8
2.5°	962.8	966.8	974.8	984.8	992.8	998.8	1002.8	1006.8	1006.8	1002.8	1006.8
5°	984.8	988.8	1002.8	1012.8	1012.8	1006.8	1002.8	1000.8	1004.8	1006.8	1010.8
7.5°	1002.8	1006.8	1000.8	1004.8	1008.8	1002.8	994.8	988.8	982.8	976.8	980.8
10°	1004.8	994.8	994.8	990.8	976.8	978.8	976.8	966.8	958.8	960.8	962.8
12.5°	1002.8	998.8	982.8	974.8	968.8	948.8	940.9	946.8	934.9	940.9	932.9
15°	1020.8	1000.8	984.8	964.8	942.9	932.9	918.9	898.9	890.9	892.9	894.9
17.5°	1032.7	1012.8	974.8	938.9	926.9	894.9	878.9	868.9	855.0	857.0	864.9
20°	1052.7	1022.8	968.8	930.9	872.9	851.0	831.0	819.0	807.0	789.0	781.1
22.5°	1080.7	1042.7	960.8	890.9	841.0	803.0	759.1	729.1	713.1	701.1	699.2
25°	1116.6	1072.7	962.8	872.9	793.0	737.1	699.2	647.2	609.3	605.3	611.3
27.5°	1182.6	1106.7	974.8	845.0	753.1	667.2	597.3	561.3	517.4	507.4	507.4
30°	1246.5	1160.6	966.8	821.0	685.2	589.3	495.4	427.5	403.5	385.5	383.5
32.5°	1364.3	1236.5	1008.8	785.0	623.2	473.4	369.6	295.6	279.7	273.7	271.7
35°	1472.2	1340.4	1012.8	739.1	531.4	367.6	265.7	215.7	205.7	199.8	197.8
37.5°	1588.1	1440.2	1052.7	701.1	441.5	259.7	191.8	153.8	141.8	133.8	129.8
40°	1454.2	1320.4	1034.7	637.2	327.6	165.8	119.9	83.9	71.9	71.9	71.9
42.5°	1138.6	1002.8	783.0	515.4	191.8	95.9	59.9	57.9	59.9	61.9	61.9
45°	1008.8	831.0	479.4	273.7	79.9	53.9	47.9	45.9	51.9	57.9	59.9
47.5°	1186.6	988.8	369.6	191.8	85.9	53.9	43.9	43.9	41.9	38.0	38.0
50°	1604.1	1334.4	423.5	219.7	107.9	59.9	43.9	38.0	38.0	40.0	41.9
52.5°	1809.8	1486.2	499.4	285.7	157.8	81.9	47.9	38.0	34.0	28.0	28.0
55°	1987.6	1606.0	591.3	369.6	231.7	127.8	67.9	40.0	34.0	28.0	26.0
57.5°	2045.5	1620.0	689.2	465.4	315.6	199.8	117.9	55.9	36.0	30.0	28.0
60°	2053.5	1636.0	763.1	567.3	411.5	291.6	193.8	101.9	45.9	36.0	34.0
62.5°	2063.5	1640.0	819.0	641.2	507.4	395.5	279.7	161.8	69.9	41.9	40.0
65°	2027.5	1592.1	805.0	625.2	535.3	437.5	321.6	189.8	79.9	47.9	45.9
67.5°	1967.6	1550.1	747.1	575.3	483.4	381.5	275.7	153.8	73.9	55.9	53.9
70°	1919.7	1508.2	717.1	571.3	447.5	333.6	221.7	111.9	87.9	75.9	71.9
72.5°	1801.8	1408.3	693.2	569.3	447.5	325.6	215.7	119.9	119.9	121.9	113.9
75°	1604.1	1258.5	657.2	553.3	437.5	323.6	207.7	129.8	129.8	115.9	109.9
77.5°	1324.4	1030.7	581.3	505.4	397.5	285.7	169.8	107.9	103.9	89.9	85.9
80°	876.9	739.1	463.4	417.5	327.6	229.7	125.8	83.9	77.9	65.9	61.9
82.5°	393.5	353.6	293.6	295.6	235.7	163.8	85.9	57.9	53.9	43.9	41.9
85°	215.7	203.8	159.8	139.8	119.9	85.9	49.9	38.0	32.0	24.0	24.0
87.5°	163.8	157.8	117.9	91.9	69.9	49.9	32.0	24.0	18.0	12.0	10.0
90°	149.8	141.8	95.9	73.9	55.9	40.0	26.0	16.0	12.0	8.0	6.0
92.5°	125.8	119.9	77.9	61.9	47.9	36.0	22.0	12.0	8.0	4.0	4.0
95°	91.9	89.9	57.9	47.9	38.0	30.0	18.0	10.0	6.0	4.0	2.0
97.5°	61.9	59.9	41.9	36.0	30.0	22.0	14.0	8.0	4.0	2.0	2.0
100°	38.0	38.0	26.0	24.0	20.0	16.0	10.0	6.0	4.0	2.0	2.0
102.5°	20.0	18.0	14.0	14.0	12.0	10.0	8.0	4.0	2.0	0.0	0.0
105°	12.0	10.0	10.0	8.0	8.0	6.0	6.0	4.0	2.0	0.0	0.0
107.5°	10.0	8.0	8.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0
110°	8.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	0.0	0.0	0.0



REPORT NUMBER: P691415

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
115°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
117.5°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
120°	8.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
122.5°	8.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
125°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	4.0	4.0	4.0	2.0	2.0	2.0	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)