

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: P691667

Luminaire Tested: **CRTK2-C018-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5753 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 50.4
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



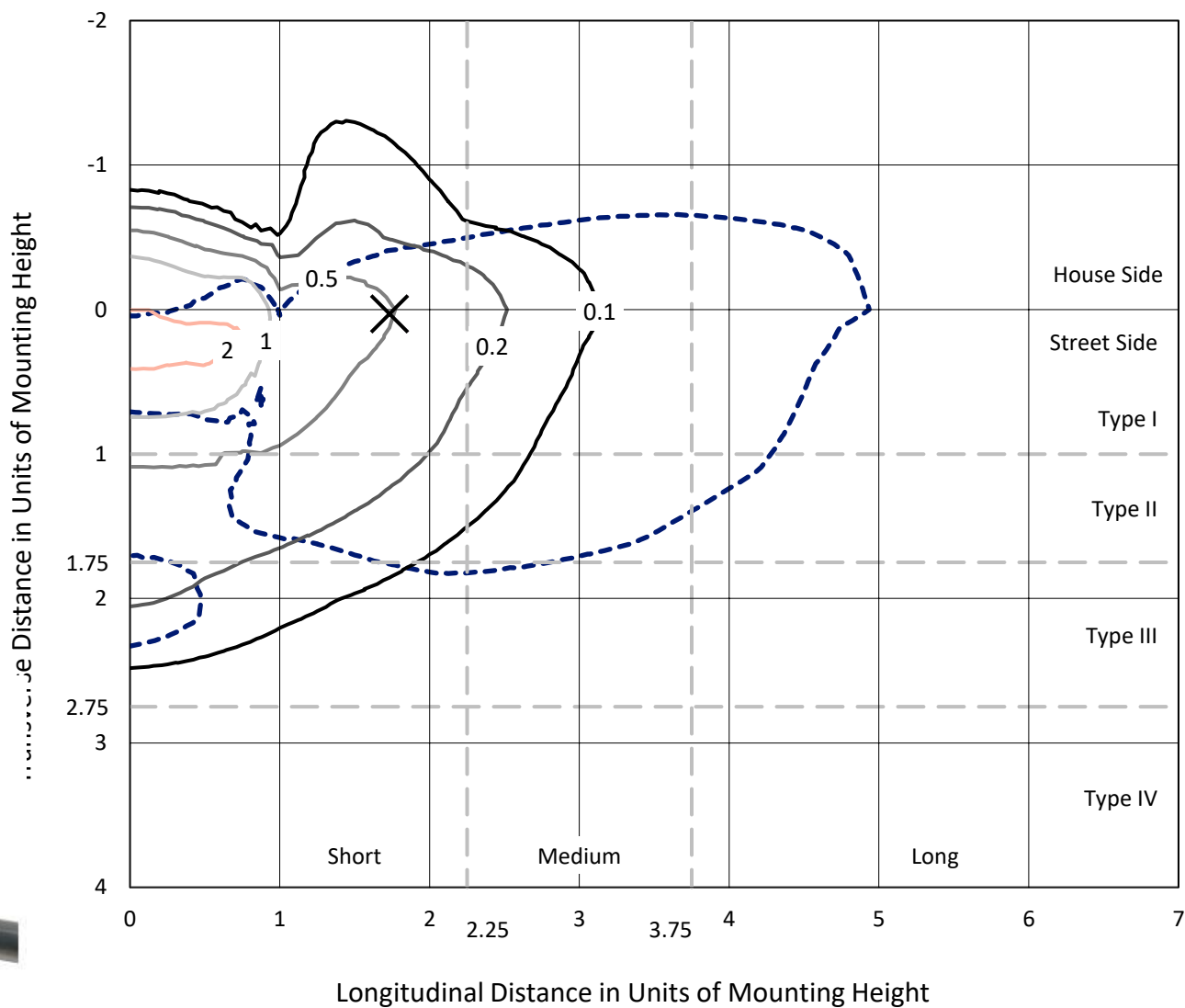
REPORT NUMBER: P691667

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

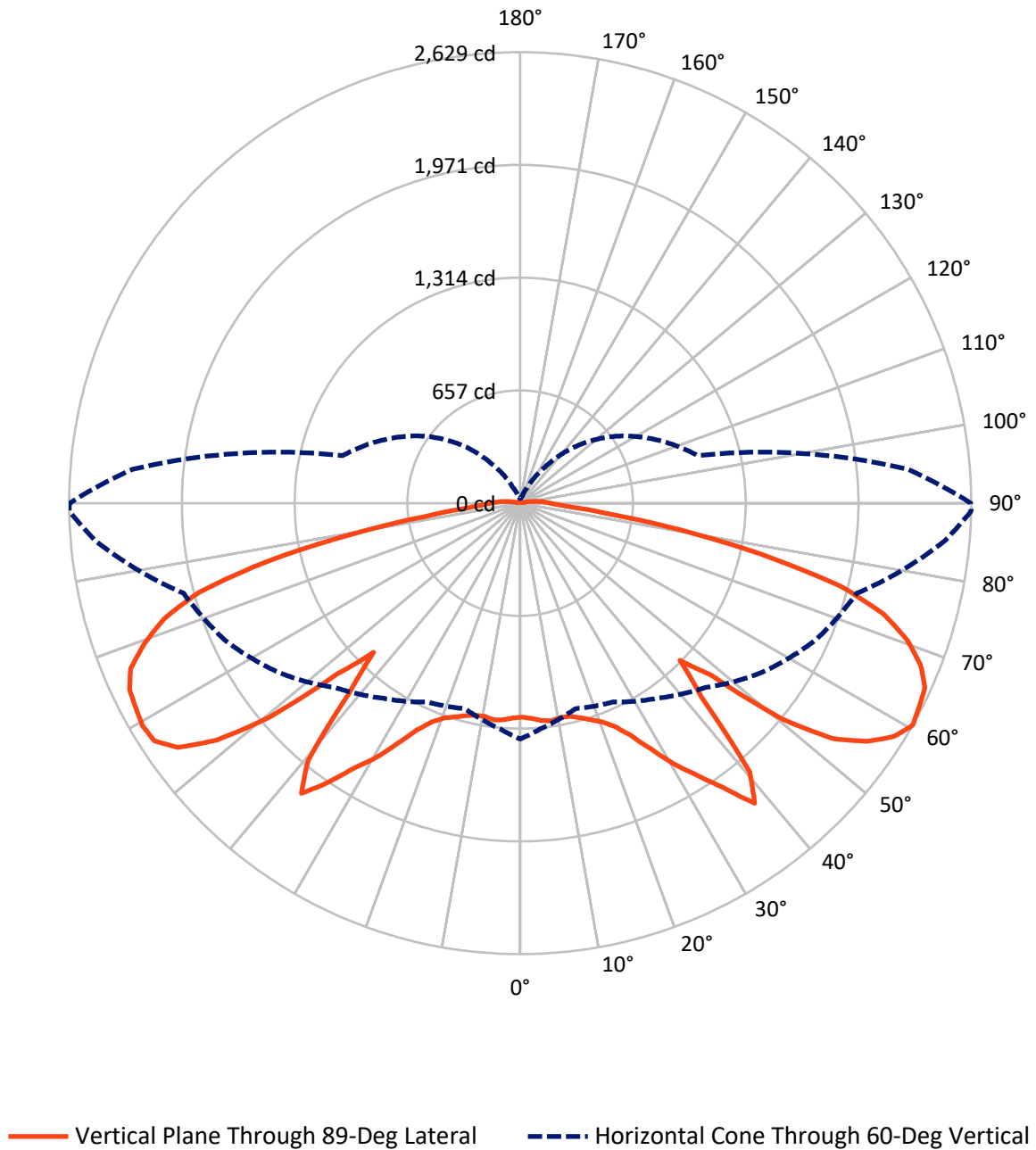


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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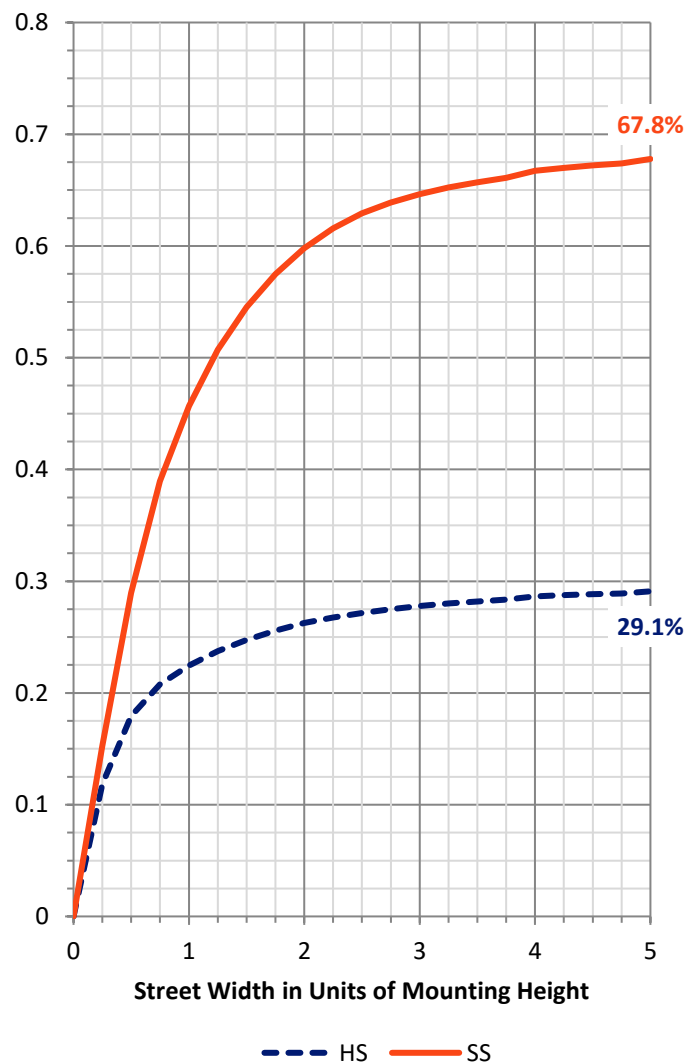
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1707.9	32.1	1739.9
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3951.3	61.8	4013.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	5659.1	93.9	5753.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	2.1
10°-20°	353.8	6.2
20°-30°	584.1	10.2
30°-40°	792.3	13.8
40°-50°	659.9	11.5
50°-60°	913.9	15.9
60°-70°	1126.4	19.6
70°-80°	852.9	14.8
80°-90°	255.9	4.4
90°-100°	66.3	1.2
100°-110°	15.1	0.3
110°-120°	7.1	0.1
120°-130°	4.8	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°	5659.1	98.4
0°-180°	5753.0	100.0

Coefficient of Utilization



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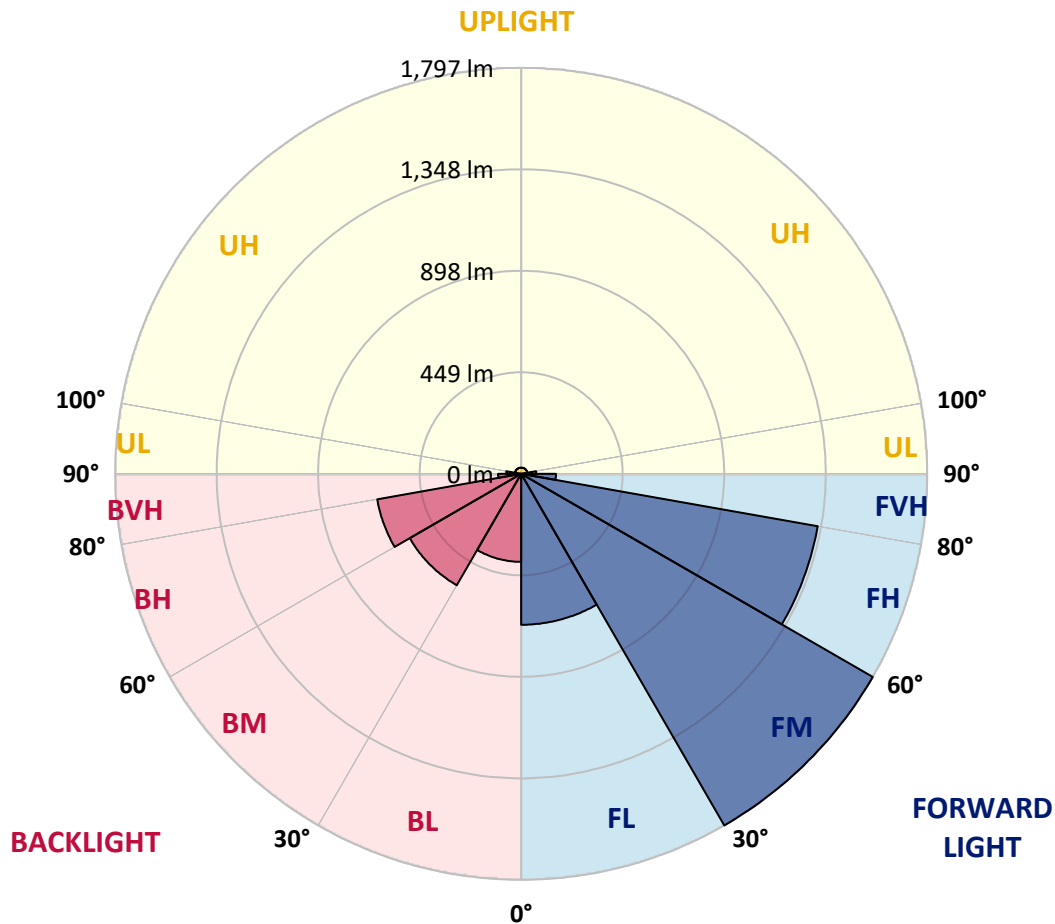
CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	668.2	11.6			
FM	(30°-60°)	1796.7	31.2			
FH	(60°-80°)	1332.4	23.2			G1/1800
FVH	(80°-90°)	153.9	2.7			G2/225
BL	(0°-30°)	389.5	6.8	B1/500		
BM	(30°-60°)	569.4	9.9	B1/1000		
BH	(60°-80°)	646.9	11.2	B2/1000		G2/1000
BVH	(80°-90°)	102.0	1.8			G2/225
UL	(90°-100°)	66.3	1.2		U3/500	
UH	(100°-180°)	27.6	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9
2.5°	1308.6	1301.7	1301.7	1301.7	1288.0	1288.0	1278.9	1274.3	1265.2	1258.3	1256.0
5°	1383.9	1379.4	1379.4	1377.1	1363.4	1354.2	1336.0	1320.0	1306.3	1283.4	1272.0
7.5°	1443.3	1436.5	1436.5	1434.2	1420.5	1409.0	1388.5	1352.0	1324.5	1299.4	1281.2
10°	1463.9	1461.6	1459.3	1452.4	1441.0	1431.9	1413.6	1379.4	1336.0	1294.9	1272.0
12.5°	1502.7	1502.7	1495.8	1486.7	1477.6	1468.4	1443.3	1415.9	1367.9	1304.0	1274.3
15°	1552.9	1548.4	1543.8	1539.2	1532.4	1518.7	1495.8	1461.6	1406.8	1329.1	1297.1
17.5°	1573.5	1571.2	1571.2	1573.5	1571.2	1562.1	1557.5	1518.7	1461.6	1363.4	1326.8
20°	1578.0	1580.3	1584.9	1600.9	1605.4	1600.9	1607.7	1584.9	1518.7	1409.0	1361.1
22.5°	1605.4	1610.0	1619.1	1635.1	1642.0	1648.8	1655.7	1674.0	1607.7	1479.8	1413.6
25°	1594.0	1598.6	1626.0	1651.1	1676.2	1696.8	1740.2	1781.3	1733.3	1584.9	1500.4
27.5°	1564.3	1573.5	1621.4	1671.7	1733.3	1788.1	1868.1	1918.3	1879.5	1717.3	1621.4
30°	1589.5	1589.5	1621.4	1694.5	1774.4	1897.8	2002.8	2059.9	2032.5	1845.2	1763.0
32.5°	1536.9	1550.6	1616.9	1726.5	1849.8	2007.4	2110.1	2210.6	2219.8	2016.5	1888.6
35°	1374.8	1397.6	1452.4	1598.6	1788.1	2062.2	2242.6	2377.3	2420.7	2222.0	2034.8
37.5°	1132.7	1148.7	1244.6	1390.8	1616.9	1879.5	2169.5	2475.5	2596.6	2354.5	2219.8
40°	1002.5	1014.0	1071.1	1192.1	1399.9	1653.4	1881.8	2176.4	2242.6	2149.0	2059.9
42.5°	959.2	977.4	1048.2	1160.1	1329.1	1507.2	1543.8	1653.4	1619.1	1630.6	1552.9
45°	1018.5	1025.4	1077.9	1176.1	1278.9	1326.8	1278.9	1354.2	1390.8	1383.9	1306.3
47.5°	1048.2	1059.6	1116.7	1242.3	1242.3	1244.6	1304.0	1349.7	1454.7	1552.9	1498.1
50°	899.8	915.8	1020.8	1121.3	1137.3	1326.8	1482.1	1571.2	1680.8	1943.4	1975.4
52.5°	847.3	858.7	972.9	1173.8	1290.3	1484.4	1580.3	1662.5	1756.2	2190.1	2279.1
55°	927.2	947.7	1082.5	1290.3	1418.2	1534.6	1658.0	1776.7	1877.2	2384.2	2450.4
57.5°	1071.1	1109.9	1192.1	1308.6	1429.6	1534.6	1699.1	1845.2	1977.7	2459.6	2566.9
60°	1374.8	1322.3	1240.1	1278.9	1388.5	1520.9	1719.6	1895.5	2030.2	2487.0	2628.5
62.5°	1516.4	1477.6	1276.6	1224.1	1320.0	1473.0	1680.8	1895.5	2011.9	2434.4	2610.3
65°	1466.1	1434.2	1290.3	1160.1	1235.5	1406.8	1621.4	1868.1	1970.8	2368.2	2592.0
67.5°	1249.2	1217.2	1171.5	1123.6	1155.6	1340.5	1566.6	1817.8	1925.2	2313.4	2516.6
70°	1016.2	998.0	982.0	1018.5	1077.9	1240.1	1457.0	1705.9	1833.8	2180.9	2393.3
72.5°	865.5	854.1	826.7	863.2	956.9	1105.3	1292.6	1541.5	1694.5	1957.1	2217.5
75°	735.4	728.5	719.4	737.6	797.0	936.3	1084.8	1329.1	1514.1	1708.2	1927.4
77.5°	596.0	586.9	607.5	612.0	657.7	758.2	854.1	1057.4	1262.9	1340.5	1438.7
80°	433.9	443.0	477.3	463.6	497.8	532.1	600.6	689.7	851.8	938.6	945.5
82.5°	303.7	312.9	344.8	310.6	319.7	322.0	347.1	379.1	445.3	518.4	527.5
85°	214.7	219.2	226.1	201.0	201.0	201.0	217.0	235.2	269.5	299.2	306.0
87.5°	153.0	153.0	162.1	153.0	150.7	148.4	157.6	164.4	185.0	205.5	210.1
90°	114.2	114.2	118.8	114.2	114.2	114.2	123.3	130.2	148.4	166.7	169.0
92.5°	82.2	82.2	89.1	86.8	86.8	89.1	98.2	102.8	118.8	137.0	139.3
95°	63.9	63.9	68.5	66.2	66.2	70.8	77.6	82.2	93.6	102.8	105.1
97.5°	45.7	45.7	48.0	48.0	48.0	48.0	52.5	59.4	73.1	73.1	70.8
100°	32.0	32.0	34.3	32.0	32.0	34.3	34.3	38.8	45.7	43.4	43.4
102.5°	22.8	22.8	22.8	22.8	22.8	20.6	20.6	22.8	25.1	22.8	22.8
105°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.7
107.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	11.4	11.4
110°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.1

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CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.1	9.1
115°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.1	9.1
117.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
120°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
122.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
125°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.1	9.1	6.9
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	6.9	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9	1246.9
2.5°	1253.8	1249.2	1235.5	1219.5	1205.8	1194.4	1183.0	1173.8	1171.5	1167.0	1171.5
5°	1269.7	1253.8	1221.8	1201.2	1183.0	1164.7	1146.4	1137.3	1130.4	1125.9	1125.9
7.5°	1276.6	1253.8	1217.2	1189.8	1151.0	1112.2	1089.3	1071.1	1064.2	1071.1	1071.1
10°	1265.2	1237.8	1194.4	1153.3	1100.7	1068.8	1036.8	1020.8	1011.7	1011.7	1004.8
12.5°	1269.7	1237.8	1173.8	1112.2	1068.8	1011.7	972.9	954.6	940.9	945.5	945.5
15°	1288.0	1244.6	1155.6	1093.9	1018.5	972.9	924.9	913.5	911.2	904.3	899.8
17.5°	1315.4	1251.5	1151.0	1052.8	975.1	920.3	874.7	854.1	842.7	835.8	833.6
20°	1345.1	1260.6	1137.3	1014.0	929.5	858.7	803.9	776.5	767.3	767.3	762.8
22.5°	1395.3	1292.6	1125.9	995.7	867.8	797.0	742.2	703.4	685.1	682.8	680.5
25°	1477.6	1354.2	1137.3	954.6	831.3	726.2	664.6	630.3	609.7	602.9	602.9
27.5°	1603.2	1438.7	1153.3	931.8	755.9	660.0	591.5	539.0	509.3	511.5	513.8
30°	1737.9	1564.3	1198.9	895.2	707.9	566.4	484.1	443.0	415.6	406.5	401.9
32.5°	1847.5	1694.5	1265.2	865.5	618.9	452.2	381.4	351.7	322.0	296.9	287.7
35°	2016.5	1804.1	1322.3	822.1	545.8	370.0	308.3	262.6	237.5	226.1	221.5
37.5°	2169.5	1911.5	1365.7	813.0	443.0	317.4	244.4	196.4	171.3	169.0	169.0
40°	1984.5	1776.7	1333.7	739.9	349.4	246.6	175.8	139.3	121.0	111.9	111.9
42.5°	1518.7	1361.1	1016.2	616.6	251.2	166.7	111.9	105.1	102.8	93.6	93.6
45°	1272.0	1004.8	616.6	322.0	118.8	91.3	79.9	79.9	82.2	89.1	89.1
47.5°	1527.8	1187.5	454.5	230.7	116.5	79.9	70.8	63.9	59.4	57.1	57.1
50°	1977.7	1689.9	580.1	274.0	139.3	82.2	63.9	57.1	54.8	52.5	48.0
52.5°	2306.5	1980.0	765.0	417.9	223.8	105.1	63.9	48.0	36.5	32.0	29.7
55°	2505.2	2233.5	902.1	600.6	363.1	175.8	79.9	43.4	32.0	27.4	25.1
57.5°	2612.6	2263.2	1016.2	765.0	534.4	312.9	139.3	52.5	32.0	25.1	25.1
60°	2626.3	2267.7	1071.1	874.7	680.5	475.0	264.9	102.8	41.1	29.7	27.4
62.5°	2614.8	2228.9	1084.8	918.0	769.6	607.5	417.9	203.2	63.9	34.3	32.0
65°	2594.3	2231.2	1023.1	879.2	769.6	650.9	484.1	267.2	91.3	38.8	36.5
67.5°	2525.8	2224.3	988.8	794.7	696.5	582.3	433.9	248.9	105.1	48.0	45.7
70°	2386.5	2142.1	968.3	760.5	653.1	518.4	365.4	198.7	118.8	82.2	89.1
72.5°	2228.9	1993.7	947.7	730.8	637.2	516.1	367.7	214.7	159.9	134.7	143.9
75°	1993.7	1735.6	911.2	701.1	628.0	532.1	372.2	203.2	150.7	121.0	118.8
77.5°	1534.6	1443.3	831.3	628.0	570.9	491.0	317.4	155.3	111.9	84.5	82.2
80°	1002.5	991.1	648.6	507.0	481.9	433.9	264.9	121.0	89.1	68.5	63.9
82.5°	566.4	543.5	404.2	319.7	340.3	351.7	214.7	91.3	68.5	54.8	50.2
85°	322.0	326.6	235.2	173.6	175.8	207.8	139.3	63.9	43.4	32.0	29.7
87.5°	221.5	228.4	153.0	116.5	105.1	98.2	73.1	38.8	25.1	16.0	11.4
90°	180.4	180.4	114.2	84.5	73.1	63.9	41.1	22.8	18.3	9.1	6.9
92.5°	146.2	153.0	95.9	68.5	57.1	50.2	32.0	16.0	11.4	6.9	4.6
95°	109.6	116.5	77.6	57.1	45.7	38.8	27.4	13.7	9.1	4.6	4.6
97.5°	75.4	75.4	54.8	43.4	36.5	29.7	20.6	11.4	6.9	4.6	4.6
100°	43.4	45.7	32.0	27.4	25.1	22.8	13.7	9.1	4.6	2.3	2.3
102.5°	22.8	22.8	16.0	16.0	13.7	13.7	11.4	6.9	4.6	2.3	2.3
105°	13.7	13.7	11.4	11.4	9.1	9.1	6.9	4.6	2.3	0.0	2.3
107.5°	11.4	11.4	9.1	9.1	6.9	6.9	4.6	4.6	2.3	0.0	0.0
110°	9.1	9.1	6.9	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	9.1	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
115°	9.1	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
117.5°	9.1	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
120°	9.1	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
122.5°	9.1	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
125°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
127.5°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
130°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	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)