

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: P691659

Luminaire Tested: **CRTK2-C018-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691659
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-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 5588 lumens
Efficiency: N/A
Efficacy: 110.9 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

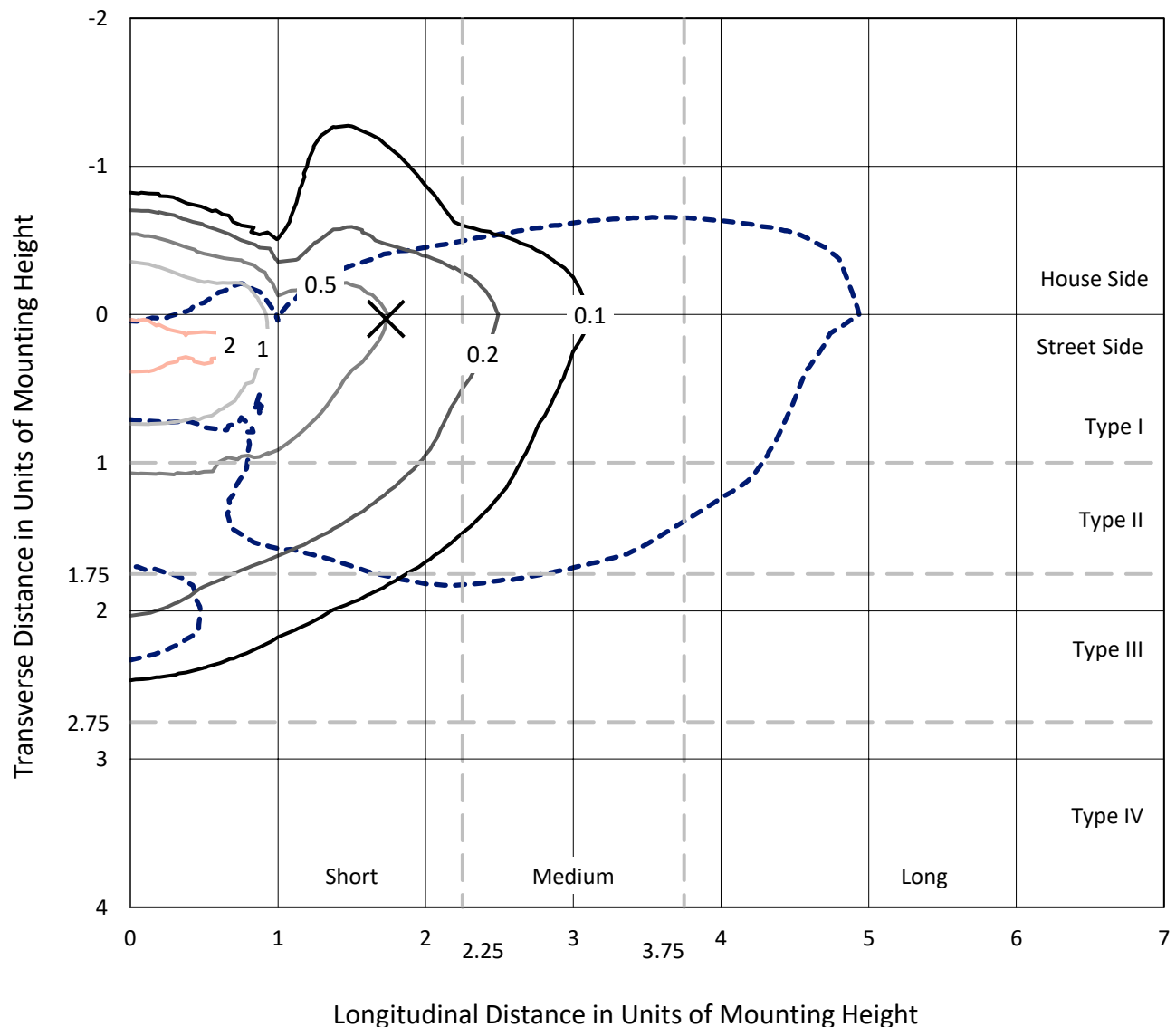


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

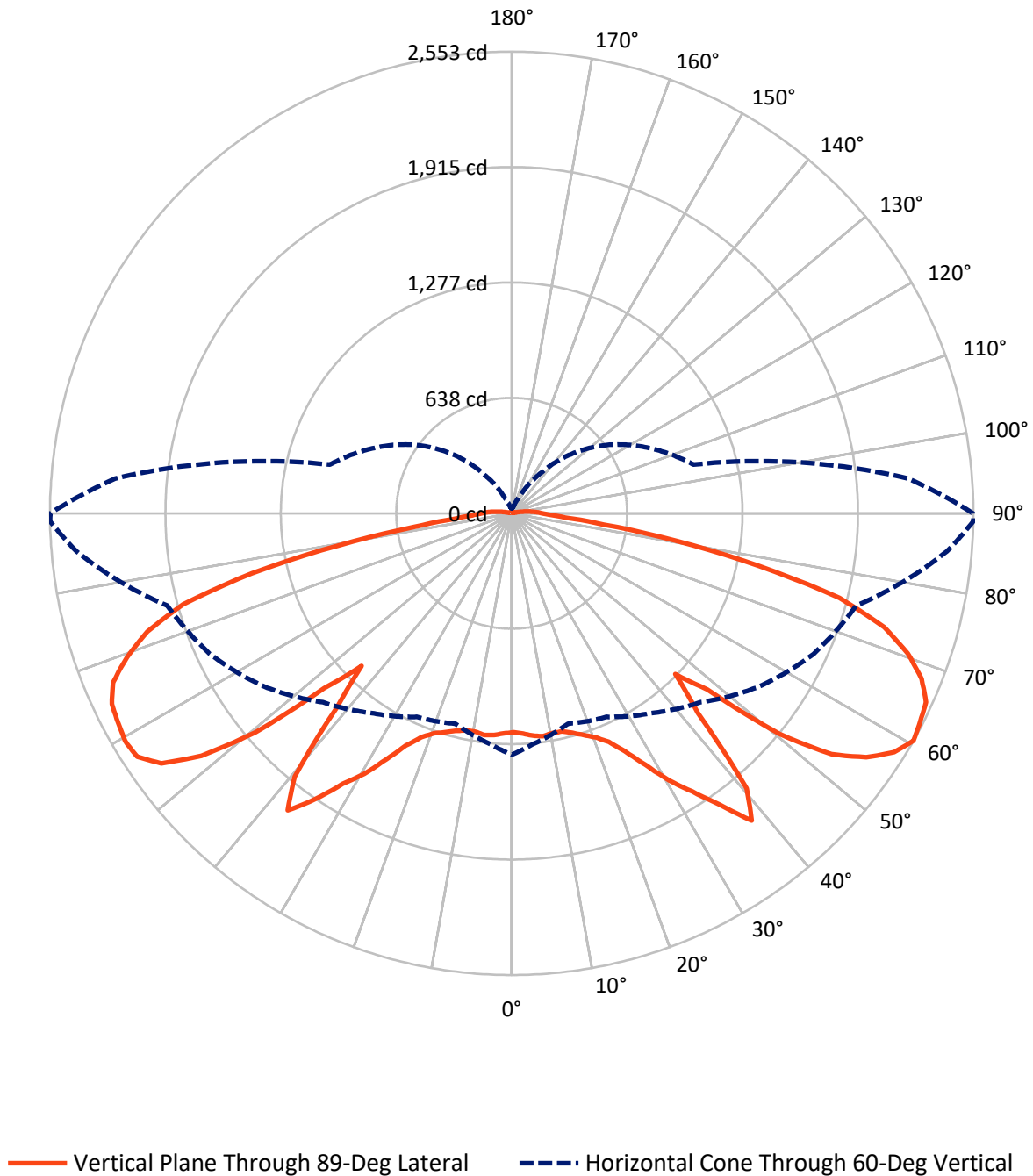


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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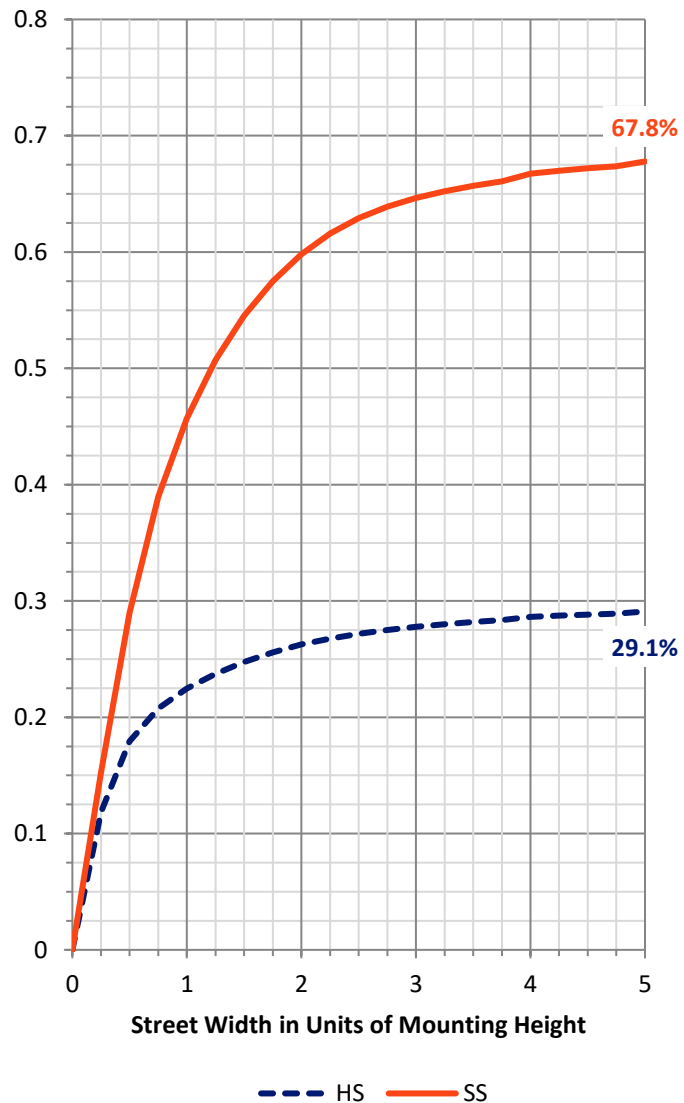
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.9	31.1	1690.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3837.9	60.1	3898.0
	% Fixture	68.7	1.1	69.8
Total	Lumens	5496.8	91.2	5588.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	2.1
10°-20°	343.7	6.2
20°-30°	567.3	10.2
30°-40°	769.6	13.8
40°-50°	641.0	11.5
50°-60°	887.7	15.9
60°-70°	1094.1	19.6
70°-80°	828.4	14.8
80°-90°	248.6	4.4
90°-100°	64.4	1.2
100°-110°	14.7	0.3
110°-120°	6.9	0.1
120°-130°	4.7	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°	5496.8	98.4
0°-180°	5588.0	100.0

Coefficient of Utilization



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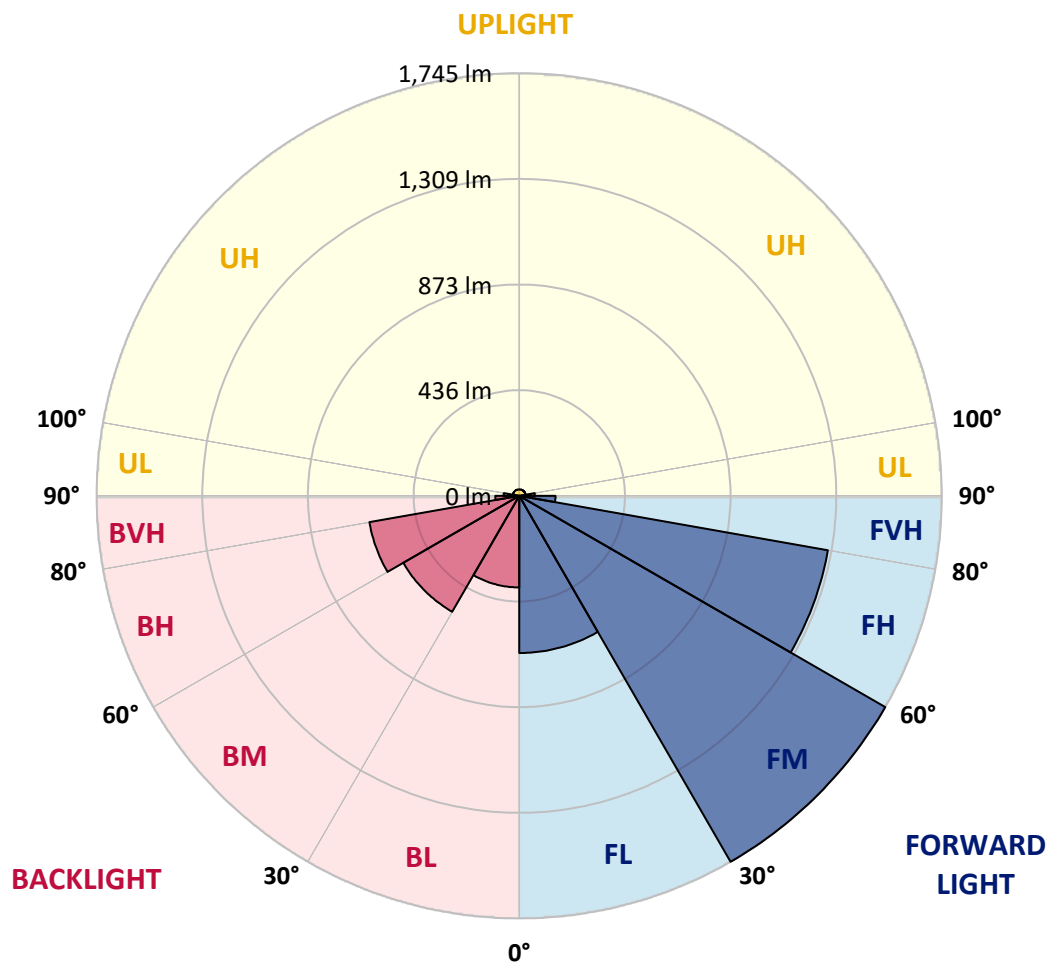
CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	649.1	11.6			
FM	(30°-60°)	1745.2	31.2			
FH	(60°-80°)	1294.2	23.2			G1/1800
FVH	(80°-90°)	149.5	2.7			G2/225
BL	(0°-30°)	378.4	6.8	B1/500		
BM	(30°-60°)	553.1	9.9	B1/1000		
BH	(60°-80°)	628.3	11.2	B2/1000		G2/1000
BVH	(80°-90°)	99.1	1.8			G1/100
UL	(90°-100°)	64.4	1.2		U3/500	
UH	(100°-180°)	26.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1
2.5°	1271.0	1264.4	1264.4	1264.4	1251.1	1251.1	1242.2	1237.8	1228.9	1222.2	1220.0
5°	1344.2	1339.8	1339.8	1337.6	1324.3	1315.4	1297.7	1282.1	1268.8	1246.6	1235.5
7.5°	1401.9	1395.3	1395.3	1393.0	1379.7	1368.6	1348.7	1313.2	1286.6	1262.2	1244.4
10°	1421.9	1419.7	1417.4	1410.8	1399.7	1390.8	1373.1	1339.8	1297.7	1257.7	1235.5
12.5°	1459.6	1459.6	1452.9	1444.1	1435.2	1426.3	1401.9	1375.3	1328.7	1266.6	1237.8
15°	1508.4	1503.9	1499.5	1495.1	1488.4	1475.1	1452.9	1419.7	1366.4	1291.0	1259.9
17.5°	1528.3	1526.1	1526.1	1528.3	1526.1	1517.3	1512.8	1475.1	1419.7	1324.3	1288.8
20°	1532.8	1535.0	1539.4	1555.0	1559.4	1555.0	1561.6	1539.4	1475.1	1368.6	1322.1
22.5°	1559.4	1563.8	1572.7	1588.2	1594.9	1601.5	1608.2	1625.9	1561.6	1437.4	1373.1
25°	1548.3	1552.7	1579.4	1603.8	1628.2	1648.1	1690.3	1730.2	1683.6	1539.4	1457.4
27.5°	1519.5	1528.3	1574.9	1623.7	1683.6	1736.9	1814.5	1863.3	1825.6	1668.1	1574.9
30°	1543.9	1543.9	1574.9	1645.9	1723.5	1843.3	1945.4	2000.8	1974.2	1792.3	1712.5
32.5°	1492.9	1506.2	1570.5	1677.0	1796.7	1949.8	2049.6	2147.2	2156.1	1958.7	1834.5
35°	1335.4	1357.5	1410.8	1552.7	1736.9	2003.0	2178.3	2309.2	2351.3	2158.3	1976.4
37.5°	1100.2	1115.8	1208.9	1350.9	1570.5	1825.6	2107.3	2404.5	2522.1	2287.0	2156.1
40°	973.8	984.9	1040.3	1157.9	1359.8	1606.0	1827.8	2114.0	2178.3	2087.3	2000.8
42.5°	931.6	949.4	1018.2	1126.8	1291.0	1464.0	1499.5	1606.0	1572.7	1583.8	1508.4
45°	989.3	996.0	1047.0	1142.4	1242.2	1288.8	1242.2	1315.4	1350.9	1344.2	1268.8
47.5°	1018.2	1029.2	1084.7	1206.7	1206.7	1208.9	1266.6	1311.0	1413.0	1508.4	1455.1
50°	874.0	889.5	991.5	1089.1	1104.7	1288.8	1439.6	1526.1	1632.6	1887.7	1918.7
52.5°	823.0	834.0	945.0	1140.2	1253.3	1441.8	1535.0	1614.9	1705.8	2127.3	2213.8
55°	900.6	920.6	1051.4	1253.3	1377.5	1490.6	1610.4	1725.8	1823.4	2315.8	2380.1
57.5°	1040.3	1078.0	1157.9	1271.0	1388.6	1490.6	1650.3	1792.3	1921.0	2389.0	2493.3
60°	1335.4	1284.3	1204.5	1242.2	1348.7	1477.3	1670.3	1841.1	1972.0	2415.6	2553.2
62.5°	1472.9	1435.2	1240.0	1189.0	1282.1	1430.7	1632.6	1841.1	1954.2	2364.6	2535.4
65°	1424.1	1393.0	1253.3	1126.8	1200.0	1366.4	1574.9	1814.5	1914.3	2300.3	2517.7
67.5°	1213.4	1182.3	1137.9	1091.4	1122.4	1302.1	1521.7	1765.7	1869.9	2247.0	2444.5
70°	987.1	969.4	953.8	989.3	1047.0	1204.5	1415.2	1657.0	1781.2	2118.4	2324.7
72.5°	840.7	829.6	803.0	838.5	929.4	1073.6	1255.5	1497.3	1645.9	1901.0	2153.9
75°	714.3	707.6	698.7	716.5	774.2	909.5	1053.6	1291.0	1470.7	1659.2	1872.2
77.5°	579.0	570.1	590.0	594.5	638.8	736.4	829.6	1027.0	1226.7	1302.1	1397.5
80°	421.5	430.3	463.6	450.3	483.6	516.8	583.4	669.9	827.4	911.7	918.3
82.5°	295.0	303.9	334.9	301.7	310.5	312.8	337.2	368.2	432.6	503.5	512.4
85°	208.5	212.9	219.6	195.2	195.2	195.2	210.7	228.5	261.7	290.6	297.2
87.5°	148.6	148.6	157.5	148.6	146.4	144.2	153.1	159.7	179.7	199.6	204.1
90°	110.9	110.9	115.3	110.9	110.9	110.9	119.8	126.4	144.2	161.9	164.1
92.5°	79.9	79.9	86.5	84.3	84.3	86.5	95.4	99.8	115.3	133.1	135.3
95°	62.1	62.1	66.5	64.3	64.3	68.8	75.4	79.9	90.9	99.8	102.0
97.5°	44.4	44.4	46.6	46.6	46.6	46.6	51.0	57.7	71.0	71.0	68.8
100°	31.1	31.1	33.3	31.1	31.1	33.3	33.3	37.7	44.4	42.1	42.1
102.5°	22.2	22.2	22.2	22.2	22.2	20.0	20.0	22.2	24.4	22.2	22.2
105°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.3
107.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.1	11.1
110°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	8.9



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CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	8.9	8.9
115°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	8.9	8.9
117.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
120°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
122.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
125°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	8.9	8.9	6.7
127.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
130°	6.7	4.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	4.4
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°	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1	1211.1
2.5°	1217.8	1213.4	1200.0	1184.5	1171.2	1160.1	1149.0	1140.2	1137.9	1133.5	1137.9
5°	1233.3	1217.8	1186.7	1166.8	1149.0	1131.3	1113.5	1104.7	1098.0	1093.6	1093.6
7.5°	1240.0	1217.8	1182.3	1155.7	1118.0	1080.3	1058.1	1040.3	1033.7	1040.3	1040.3
10°	1228.9	1202.3	1160.1	1120.2	1069.2	1038.1	1007.1	991.5	982.7	982.7	976.0
12.5°	1233.3	1202.3	1140.2	1080.3	1038.1	982.7	945.0	927.2	913.9	918.3	918.3
15°	1251.1	1208.9	1122.4	1062.5	989.3	945.0	898.4	887.3	885.1	878.4	874.0
17.5°	1277.7	1215.6	1118.0	1022.6	947.2	893.9	849.6	829.6	818.5	811.9	809.6
20°	1306.5	1224.5	1104.7	984.9	902.8	834.0	780.8	754.2	745.3	745.3	740.9
22.5°	1355.3	1255.5	1093.6	967.1	842.9	774.2	720.9	683.2	665.5	663.2	661.0
25°	1435.2	1315.4	1104.7	927.2	807.4	705.4	645.5	612.2	592.3	585.6	585.6
27.5°	1557.2	1397.5	1120.2	905.0	734.2	641.1	574.5	523.5	494.7	496.9	499.1
30°	1688.1	1519.5	1164.6	869.5	687.6	550.1	470.3	430.3	403.7	394.8	390.4
32.5°	1794.5	1645.9	1228.9	840.7	601.1	439.2	370.4	341.6	312.8	288.4	279.5
35°	1958.7	1752.4	1284.3	798.6	530.2	359.3	299.5	255.1	230.7	219.6	215.2
37.5°	2107.3	1856.6	1326.5	789.7	430.3	308.3	237.3	190.8	166.4	164.1	164.1
40°	1927.6	1725.8	1295.4	718.7	339.4	239.6	170.8	135.3	117.6	108.7	108.7
42.5°	1475.1	1322.1	987.1	598.9	244.0	161.9	108.7	102.0	99.8	90.9	90.9
45°	1235.5	976.0	598.9	312.8	115.3	88.7	77.6	77.6	79.9	86.5	86.5
47.5°	1484.0	1153.5	441.4	224.0	113.1	77.6	68.8	62.1	57.7	55.5	55.5
50°	1921.0	1641.5	563.4	266.2	135.3	79.9	62.1	55.5	53.2	51.0	46.6
52.5°	2240.4	1923.2	743.1	405.9	217.4	102.0	62.1	46.6	35.5	31.1	28.8
55°	2433.4	2169.4	876.2	583.4	352.7	170.8	77.6	42.1	31.1	26.6	24.4
57.5°	2537.6	2198.2	987.1	743.1	519.1	303.9	135.3	51.0	31.1	24.4	24.4
60°	2550.9	2202.7	1040.3	849.6	661.0	461.4	257.3	99.8	39.9	28.8	26.6
62.5°	2539.8	2165.0	1053.6	891.7	747.5	590.0	405.9	197.4	62.1	33.3	31.1
65°	2519.9	2167.2	993.8	854.0	747.5	632.2	470.3	259.5	88.7	37.7	35.5
67.5°	2453.3	2160.5	960.5	771.9	676.6	565.6	421.5	241.8	102.0	46.6	44.4
70°	2318.0	2080.7	940.5	738.7	634.4	503.5	354.9	193.0	115.3	79.9	86.5
72.5°	2165.0	1936.5	920.6	709.8	618.9	501.3	357.1	208.5	155.3	130.9	139.7
75°	1936.5	1685.8	885.1	681.0	610.0	516.8	361.6	197.4	146.4	117.6	115.3
77.5°	1490.6	1401.9	807.4	610.0	554.6	476.9	308.3	150.8	108.7	82.1	79.9
80°	973.8	962.7	630.0	492.4	468.0	421.5	257.3	117.6	86.5	66.5	62.1
82.5°	550.1	527.9	392.6	310.5	330.5	341.6	208.5	88.7	66.5	53.2	48.8
85°	312.8	317.2	228.5	168.6	170.8	201.9	135.3	62.1	42.1	31.1	28.8
87.5°	215.2	221.8	148.6	113.1	102.0	95.4	71.0	37.7	24.4	15.5	11.1
90°	175.2	175.2	110.9	82.1	71.0	62.1	39.9	22.2	17.7	8.9	6.7
92.5°	142.0	148.6	93.2	66.5	55.5	48.8	31.1	15.5	11.1	6.7	4.4
95°	106.5	113.1	75.4	55.5	44.4	37.7	26.6	13.3	8.9	4.4	4.4
97.5°	73.2	73.2	53.2	42.1	35.5	28.8	20.0	11.1	6.7	4.4	4.4
100°	42.1	44.4	31.1	26.6	24.4	22.2	13.3	8.9	4.4	2.2	2.2
102.5°	22.2	22.2	15.5	15.5	13.3	13.3	11.1	6.7	4.4	2.2	2.2
105°	13.3	13.3	11.1	11.1	8.9	8.9	6.7	4.4	2.2	0.0	2.2
107.5°	11.1	11.1	8.9	8.9	6.7	6.7	4.4	4.4	2.2	0.0	0.0
110°	8.9	8.9	6.7	6.7	6.7	4.4	4.4	2.2	2.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.9	8.9	6.7	6.7	4.4	4.4	4.4	2.2	2.2	0.0	0.0
115°	8.9	6.7	6.7	4.4	4.4	4.4	2.2	2.2	0.0	0.0	0.0
117.5°	8.9	6.7	4.4	4.4	4.4	2.2	2.2	2.2	0.0	0.0	0.0
120°	8.9	6.7	4.4	4.4	4.4	4.4	2.2	2.2	0.0	0.0	0.0
122.5°	8.9	6.7	4.4	4.4	4.4	2.2	2.2	2.2	0.0	0.0	0.0
125°	6.7	6.7	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0
127.5°	6.7	6.7	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0
130°	6.7	6.7	4.4	4.4	2.2	2.2	2.2	2.2	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)