

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: P691607

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691607
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-C018-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 6884 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 53.7
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



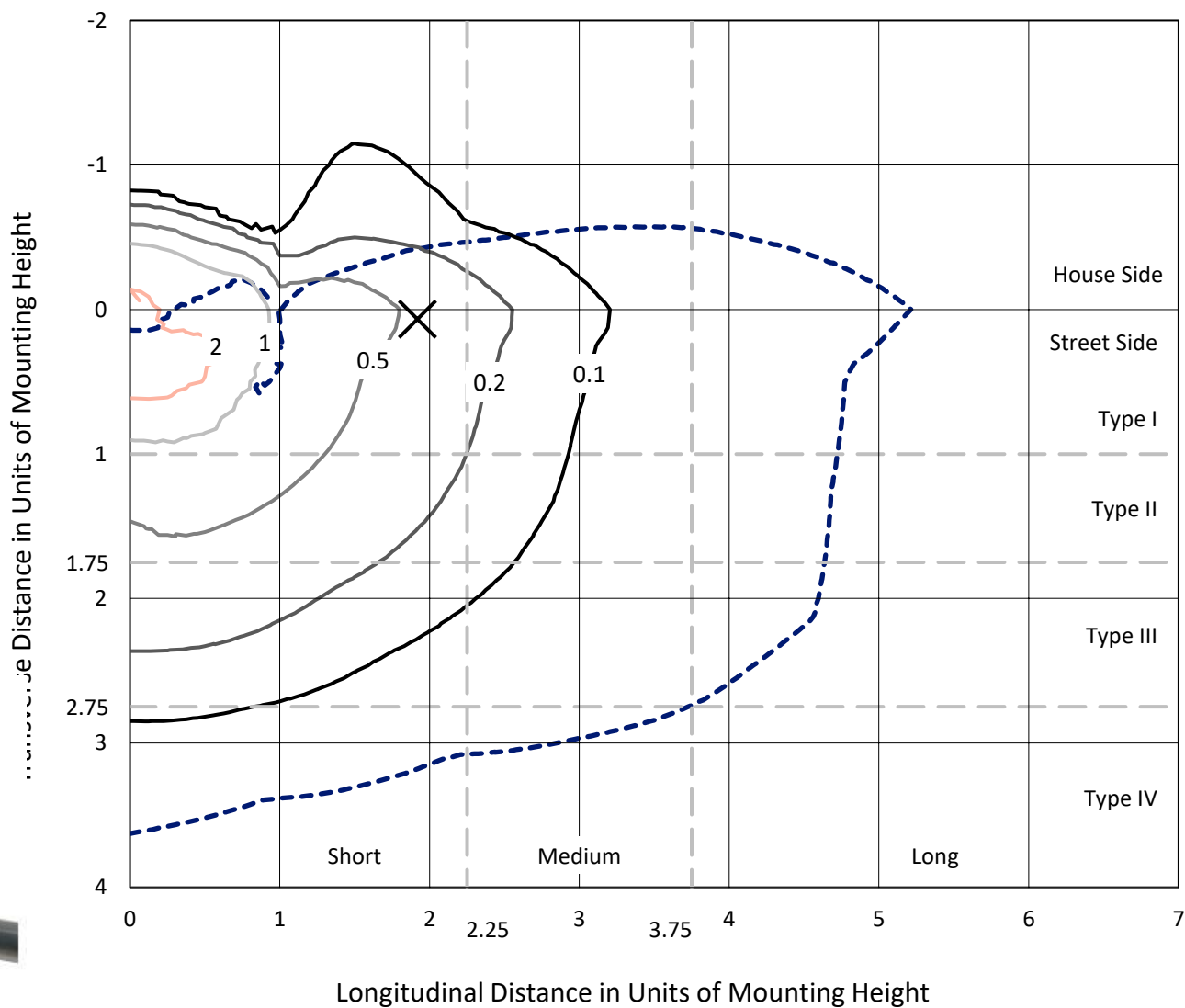
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

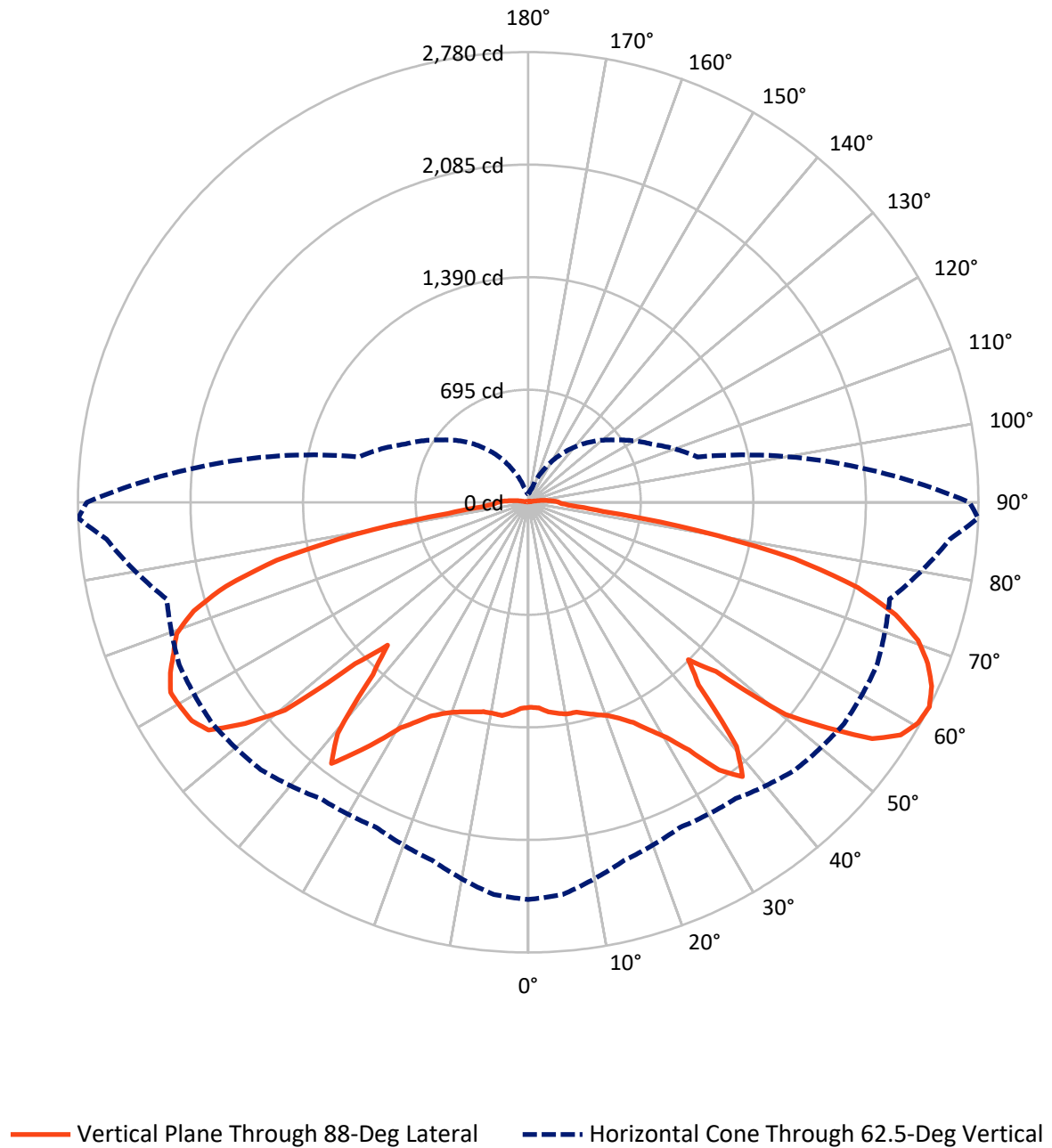


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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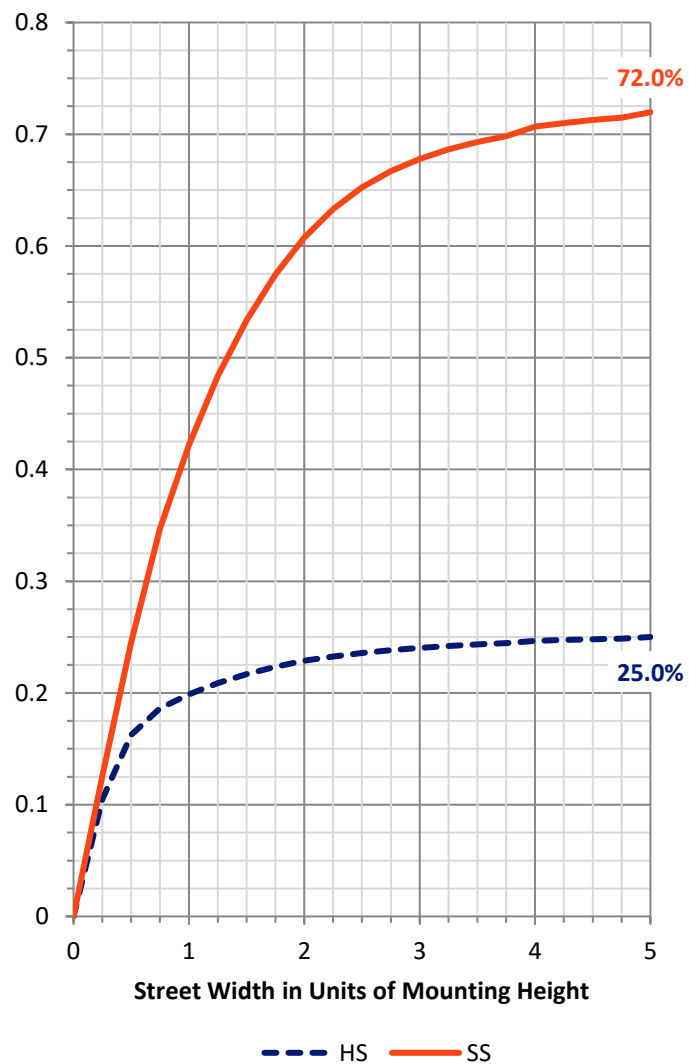
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1751.3	33.0	1784.3
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5018.3	81.4	5099.6
	% Fixture	72.9	1.2	74.1
Total	Lumens	6769.6	114.4	6884.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.8
10°-20°	380.9	5.5
20°-30°	645.2	9.4
30°-40°	890.6	12.9
40°-50°	770.3	11.2
50°-60°	1115.2	16.2
60°-70°	1459.8	21.2
70°-80°	1106.8	16.1
80°-90°	276.1	4.0
90°-100°	81.2	1.2
100°-110°	18.8	0.3
110°-120°	8.4	0.1
120°-130°	5.4	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°	6769.6	98.3
0°-180°	6884.0	100.0

Coefficient of Utilization



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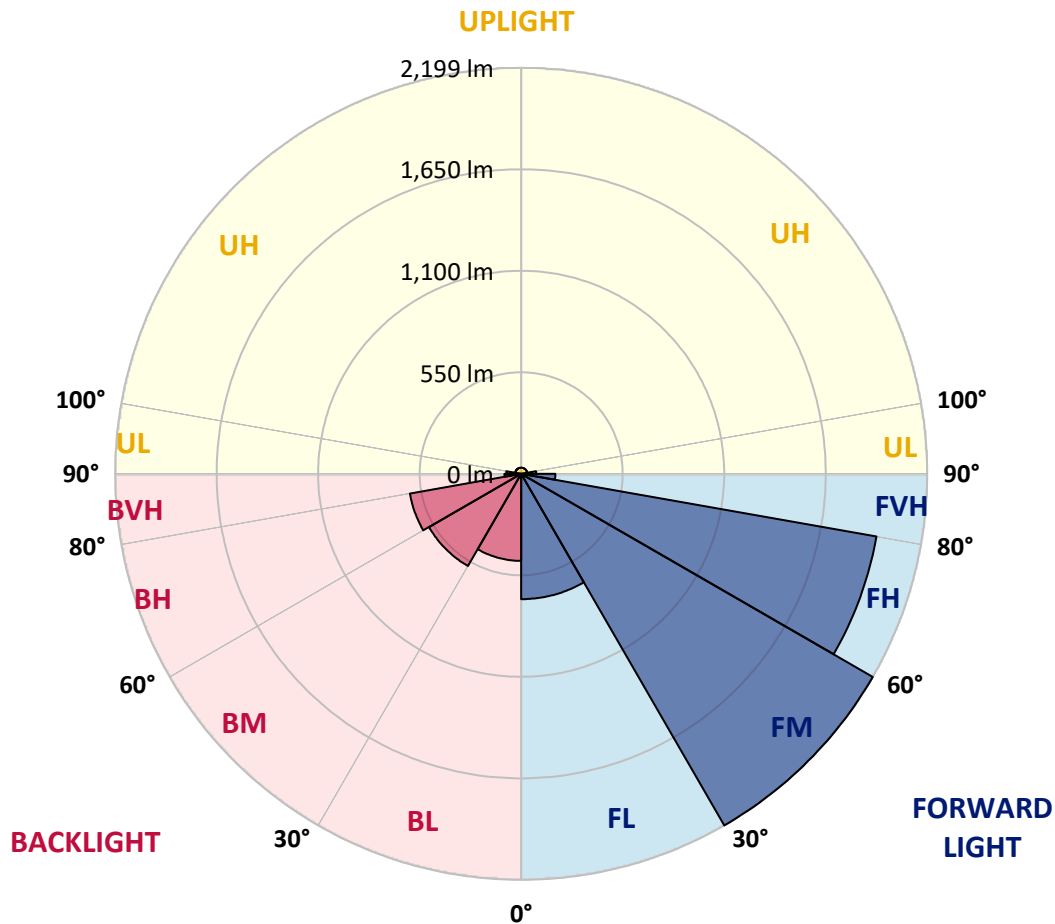
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	679.2	9.9			
FM	(30°-60°)	2199.4	31.9			
FH	(60°-80°)	1954.2	28.4			G2/5000
FVH	(80°-90°)	185.5	2.7			G2/225
BL	(0°-30°)	471.7	6.9	B1/500		
BM	(30°-60°)	576.6	8.4	B1/1000		
BH	(60°-80°)	612.3	8.9	B2/1000		G2/1000
BVH	(80°-90°)	90.6	1.3			G1/100
UL	(90°-100°)	81.2	1.2		U3/500	
UH	(100°-180°)	33.1	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9
2.5°	1252.8	1252.8	1250.1	1252.8	1258.0	1263.3	1258.0	1260.7	1263.3	1268.6	1271.2
5°	1300.2	1297.6	1292.3	1287.0	1281.8	1281.8	1276.5	1273.9	1279.1	1295.0	1300.2
7.5°	1339.8	1331.9	1326.6	1329.2	1321.3	1308.1	1297.6	1292.3	1287.0	1308.1	1316.1
10°	1403.1	1397.8	1379.3	1363.5	1353.0	1331.9	1308.1	1305.5	1302.9	1324.0	1329.2
12.5°	1466.4	1461.1	1450.6	1434.7	1400.4	1382.0	1345.1	1329.2	1326.6	1339.8	1329.2
15°	1558.7	1548.1	1519.1	1503.3	1469.0	1440.0	1395.2	1371.4	1376.7	1358.2	1353.0
17.5°	1611.4	1606.2	1603.5	1579.8	1553.4	1503.3	1461.1	1426.8	1437.4	1395.2	1379.3
20°	1669.5	1666.8	1672.1	1674.7	1640.4	1595.6	1542.9	1490.1	1492.8	1437.4	1405.7
22.5°	1743.3	1735.4	1745.9	1759.1	1730.1	1693.2	1624.6	1582.4	1561.3	1487.5	1450.6
25°	1830.3	1827.7	1827.7	1851.4	1846.2	1796.1	1730.1	1682.6	1661.5	1561.3	1505.9
27.5°	1920.0	1922.6	1927.9	1943.7	1951.7	1922.6	1859.4	1817.2	1777.6	1645.7	1590.3
30°	1978.0	1978.0	2015.0	2038.7	2049.2	2049.2	1972.8	1941.1	1901.5	1753.9	1685.3
32.5°	2049.2	2054.5	2088.8	2128.4	2144.2	2165.3	2102.0	2078.3	2044.0	1888.4	1825.1
35°	2099.4	2107.3	2160.0	2220.7	2262.9	2273.4	2236.5	2247.0	2231.2	2065.1	2030.8
37.5°	1880.5	1901.5	1980.7	2099.4	2212.8	2323.5	2363.1	2415.8	2423.8	2231.2	2149.5
40°	1637.8	1645.7	1735.4	1822.4	1962.2	2051.9	2152.1	2268.1	2204.8	1996.5	1980.7
42.5°	1453.2	1487.5	1611.4	1677.4	1785.5	1806.6	1756.5	1682.6	1569.2	1550.8	1542.9
45°	1421.5	1455.8	1579.8	1687.9	1740.7	1482.2	1342.4	1244.8	1289.7	1400.4	1387.3
47.5°	1569.2	1611.4	1740.7	1864.6	1756.5	1469.0	1376.7	1374.1	1337.2	1527.0	1561.3
50°	1658.9	1693.2	1843.5	1840.9	1753.9	1614.1	1664.2	1608.8	1542.9	1867.3	2059.8
52.5°	1703.7	1735.4	1788.1	1854.1	1862.0	1851.4	1864.6	1819.8	1719.6	2167.9	2313.0
55°	1579.8	1658.9	1888.4	2001.8	2049.2	2020.2	2028.1	1996.5	1930.6	2355.2	2576.7
57.5°	1978.0	2020.2	2104.6	2133.6	2162.6	2149.5	2160.0	2149.5	2088.8	2495.0	2711.2
60°	2207.5	2207.5	2244.4	2196.9	2212.8	2257.6	2289.2	2289.2	2225.9	2597.8	2766.6
62.5°	2452.8	2431.7	2289.2	2215.4	2233.9	2334.1	2381.6	2376.3	2310.3	2613.6	2779.8
65°	2405.3	2368.4	2318.3	2157.4	2178.5	2318.3	2384.2	2381.6	2313.0	2555.6	2737.6
67.5°	2051.9	2086.2	2146.8	2133.6	2080.9	2241.8	2344.6	2349.9	2270.8	2458.0	2661.1
70°	1777.6	1798.7	1835.6	1946.4	1970.1	2136.3	2299.8	2323.5	2218.0	2344.6	2553.0
72.5°	1548.1	1561.3	1532.3	1645.7	1730.1	1949.0	2141.6	2186.4	2078.3	2149.5	2371.0
75°	1324.0	1295.0	1260.7	1310.8	1376.7	1608.8	1843.5	1933.2	1838.3	1883.1	2102.0
77.5°	1028.6	986.4	952.1	965.3	1025.9	1226.4	1453.2	1595.6	1511.2	1508.6	1682.6
80°	701.5	664.6	640.9	635.6	680.4	804.4	967.9	1136.7	1062.9	991.7	1068.1
82.5°	437.8	437.8	416.7	385.1	382.4	406.2	437.8	480.0	453.6	443.1	466.8
85°	274.3	276.9	266.4	232.1	224.2	229.5	245.3	255.8	247.9	255.8	263.7
87.5°	192.5	189.9	176.7	171.4	168.8	176.7	189.9	195.2	195.2	203.1	203.1
90°	145.1	145.1	137.1	134.5	134.5	142.4	155.6	166.2	174.1	187.3	187.3
92.5°	121.3	121.3	116.0	113.4	113.4	116.0	126.6	139.8	147.7	160.9	155.6
95°	100.2	100.2	97.6	97.6	97.6	100.2	105.5	113.4	116.0	116.0	116.0
97.5°	79.1	76.5	73.8	73.8	73.8	76.5	79.1	87.0	89.7	81.8	81.8
100°	55.4	52.7	50.1	52.7	52.7	52.7	55.4	58.0	58.0	52.7	50.1
102.5°	34.3	34.3	34.3	34.3	31.6	31.6	31.6	31.6	29.0	26.4	26.4
105°	23.7	23.7	21.1	21.1	21.1	21.1	18.5	18.5	18.5	15.8	15.8
107.5°	18.5	18.5	18.5	18.5	18.5	15.8	15.8	15.8	15.8	13.2	13.2
110°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	13.2	13.2	10.5	10.5

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CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	15.8	15.8	15.8	15.8	15.8	13.2	13.2	13.2	13.2	10.5	10.5
115°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10.5	10.5
117.5°	13.2	13.2	13.2	13.2	13.2	13.2	10.5	10.5	10.5	13.2	10.5
120°	13.2	13.2	13.2	13.2	10.5	10.5	10.5	10.5	10.5	10.5	10.5
122.5°	13.2	13.2	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125°	10.5	10.5	10.5	10.5	7.9	7.9	7.9	7.9	7.9	7.9	7.9
127.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
130°	7.9	7.9	7.9	7.9	7.9	7.9	5.3	5.3	5.3	5.3	5.3
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°	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9	1265.9
2.5°	1271.2	1276.5	1287.0	1300.2	1310.8	1318.7	1324.0	1329.2	1329.2	1324.0	1329.2
5°	1300.2	1305.5	1324.0	1337.2	1337.2	1329.2	1324.0	1321.3	1326.6	1329.2	1334.5
7.5°	1324.0	1329.2	1321.3	1326.6	1331.9	1324.0	1313.4	1305.5	1297.6	1289.7	1295.0
10°	1326.6	1313.4	1313.4	1308.1	1289.7	1292.3	1289.7	1276.5	1265.9	1268.6	1271.2
12.5°	1324.0	1318.7	1297.6	1287.0	1279.1	1252.8	1242.2	1250.1	1234.3	1242.2	1231.7
15°	1347.7	1321.3	1300.2	1273.9	1244.8	1231.7	1213.2	1186.8	1176.3	1178.9	1181.5
17.5°	1363.5	1337.2	1287.0	1239.6	1223.7	1181.5	1160.4	1147.3	1128.8	1131.4	1142.0
20°	1389.9	1350.3	1279.1	1229.0	1152.5	1123.5	1097.1	1081.3	1065.5	1041.8	1031.2
22.5°	1426.8	1376.7	1268.6	1176.3	1110.3	1060.2	1002.2	962.6	941.5	925.7	923.1
25°	1474.3	1416.3	1271.2	1152.5	1047.0	973.2	923.1	854.5	804.4	799.1	807.0
27.5°	1561.3	1461.1	1287.0	1115.6	994.3	880.9	788.6	741.1	683.1	669.9	669.9
30°	1645.7	1532.3	1276.5	1084.0	904.6	778.0	654.1	564.4	532.8	509.0	506.4
32.5°	1801.3	1632.5	1331.9	1036.5	822.9	625.1	487.9	390.3	369.2	361.3	358.7
35°	1943.7	1769.7	1337.2	975.8	701.5	485.3	350.8	284.8	271.6	263.7	261.1
37.5°	2096.7	1901.5	1389.9	925.7	582.9	342.9	253.2	203.1	187.3	176.7	171.4
40°	1920.0	1743.3	1366.2	841.3	432.5	218.9	158.2	110.8	94.9	94.9	94.9
42.5°	1503.3	1324.0	1033.9	680.4	253.2	126.6	79.1	76.5	79.1	81.8	81.8
45°	1331.9	1097.1	633.0	361.3	105.5	71.2	63.3	60.7	68.6	76.5	79.1
47.5°	1566.6	1305.5	487.9	253.2	113.4	71.2	58.0	58.0	55.4	50.1	50.1
50°	2117.8	1761.8	559.1	290.1	142.4	79.1	58.0	50.1	50.1	52.7	55.4
52.5°	2389.5	1962.2	659.3	377.1	208.4	108.1	63.3	50.1	44.8	36.9	36.9
55°	2624.2	2120.5	780.7	487.9	305.9	168.8	89.7	52.7	44.8	36.9	34.3
57.5°	2700.7	2138.9	909.9	614.5	416.7	263.7	155.6	73.8	47.5	39.6	36.9
60°	2711.2	2160.0	1007.5	749.0	543.3	385.1	255.8	134.5	60.7	47.5	44.8
62.5°	2724.4	2165.3	1081.3	846.6	669.9	522.2	369.2	213.6	92.3	55.4	52.7
65°	2676.9	2102.0	1062.9	825.5	706.8	577.6	424.6	250.6	105.5	63.3	60.7
67.5°	2597.8	2046.6	986.4	759.6	638.2	503.7	364.0	203.1	97.6	73.8	71.2
70°	2534.5	1991.2	946.8	754.3	590.8	440.4	292.7	147.7	116.0	100.2	94.9
72.5°	2378.9	1859.4	915.2	751.7	590.8	429.9	284.8	158.2	158.2	160.9	150.3
75°	2117.8	1661.5	867.7	730.6	577.6	427.3	274.3	171.4	171.4	153.0	145.1
77.5°	1748.6	1360.9	767.5	667.3	524.8	377.1	224.2	142.4	137.1	118.7	113.4
80°	1157.8	975.8	611.9	551.2	432.5	303.3	166.2	110.8	102.9	87.0	81.8
82.5°	519.6	466.8	387.7	390.3	311.2	216.3	113.4	76.5	71.2	58.0	55.4
85°	284.8	269.0	211.0	184.6	158.2	113.4	65.9	50.1	42.2	31.6	31.6
87.5°	216.3	208.4	155.6	121.3	92.3	65.9	42.2	31.6	23.7	15.8	13.2
90°	197.8	187.3	126.6	97.6	73.8	52.7	34.3	21.1	15.8	10.5	7.9
92.5°	166.2	158.2	102.9	81.8	63.3	47.5	29.0	15.8	10.5	5.3	5.3
95°	121.3	118.7	76.5	63.3	50.1	39.6	23.7	13.2	7.9	5.3	2.6
97.5°	81.8	79.1	55.4	47.5	39.6	29.0	18.5	10.5	5.3	2.6	2.6
100°	50.1	50.1	34.3	31.6	26.4	21.1	13.2	7.9	5.3	2.6	2.6
102.5°	26.4	23.7	18.5	18.5	15.8	13.2	10.5	5.3	2.6	0.0	0.0
105°	15.8	13.2	13.2	10.5	10.5	7.9	7.9	5.3	2.6	0.0	0.0
107.5°	13.2	10.5	10.5	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0
110°	10.5	10.5	7.9	7.9	5.3	5.3	5.3	2.6	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	7.9	7.9	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0
115°	10.5	7.9	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0
117.5°	10.5	7.9	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0
120°	10.5	7.9	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0
122.5°	10.5	7.9	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0
125°	7.9	5.3	5.3	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0
127.5°	7.9	5.3	5.3	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0
130°	5.3	5.3	5.3	2.6	2.6	2.6	2.6	2.6	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)