

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: P691424

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6212 lumens
Efficiency: N/A
Efficacy: 145.1 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): 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

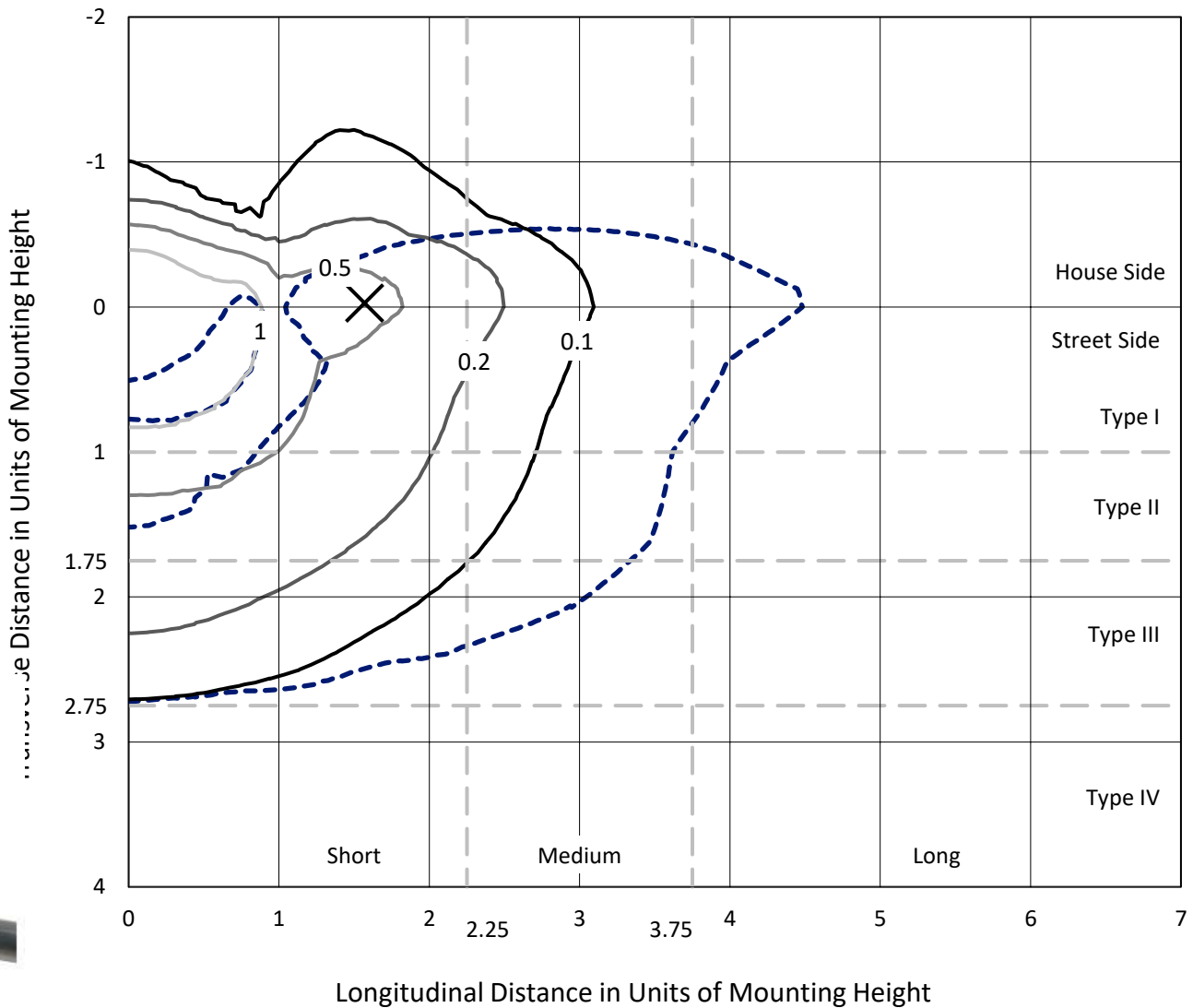


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

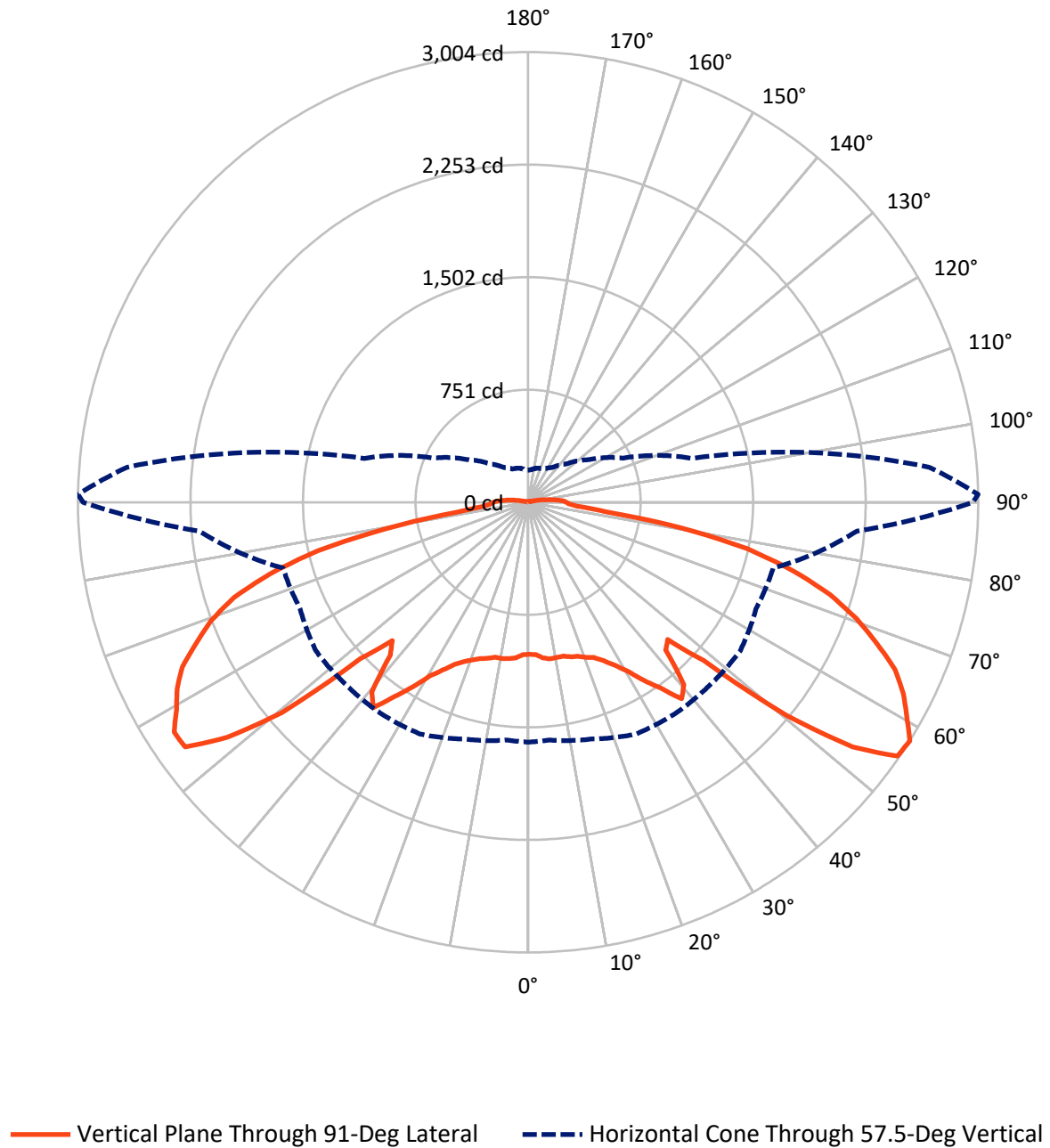


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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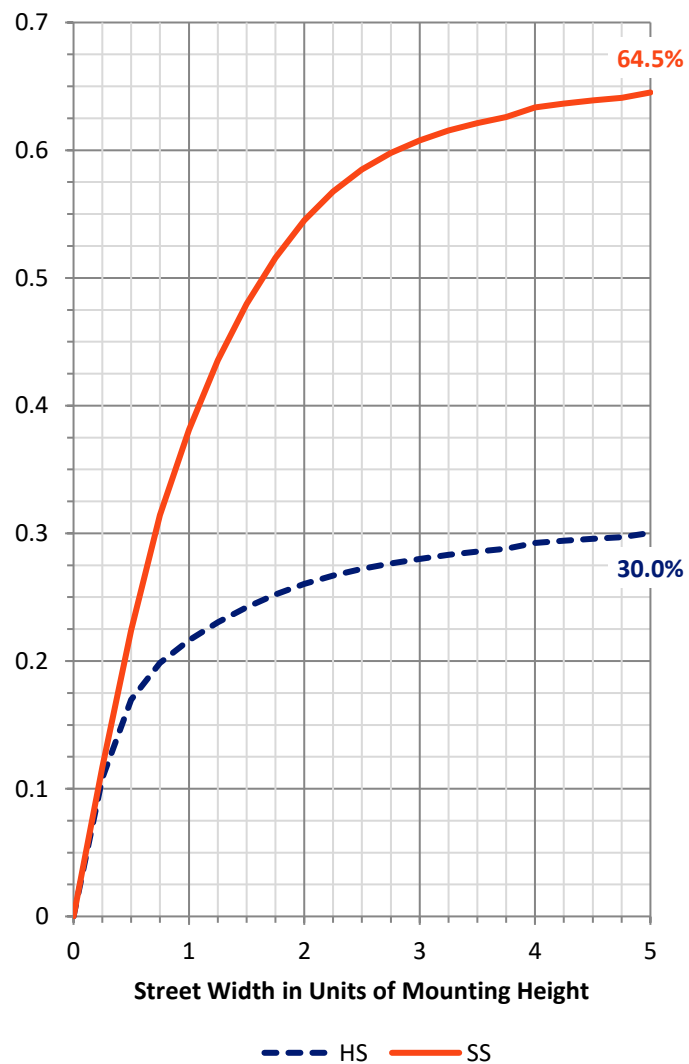
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1971.8	95.9	2067.7
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	4062.3	82.0	4144.3
	% Fixture	65.4	1.3	66.7
Total	Lumens	6034.1	177.9	6212.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.6
10°-20°	301.9	4.9
20°-30°	513.3	8.3
30°-40°	722.2	11.6
40°-50°	685.9	11.0
50°-60°	1027.4	16.5
60°-70°	1329.5	21.4
70°-80°	1006.2	16.2
80°-90°	348.5	5.6
90°-100°	130.9	2.1
100°-110°	30.7	0.5
110°-120°	10.6	0.2
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°	6034.1	97.1
0°-180°	6212.0	100.0

Coefficient of Utilization



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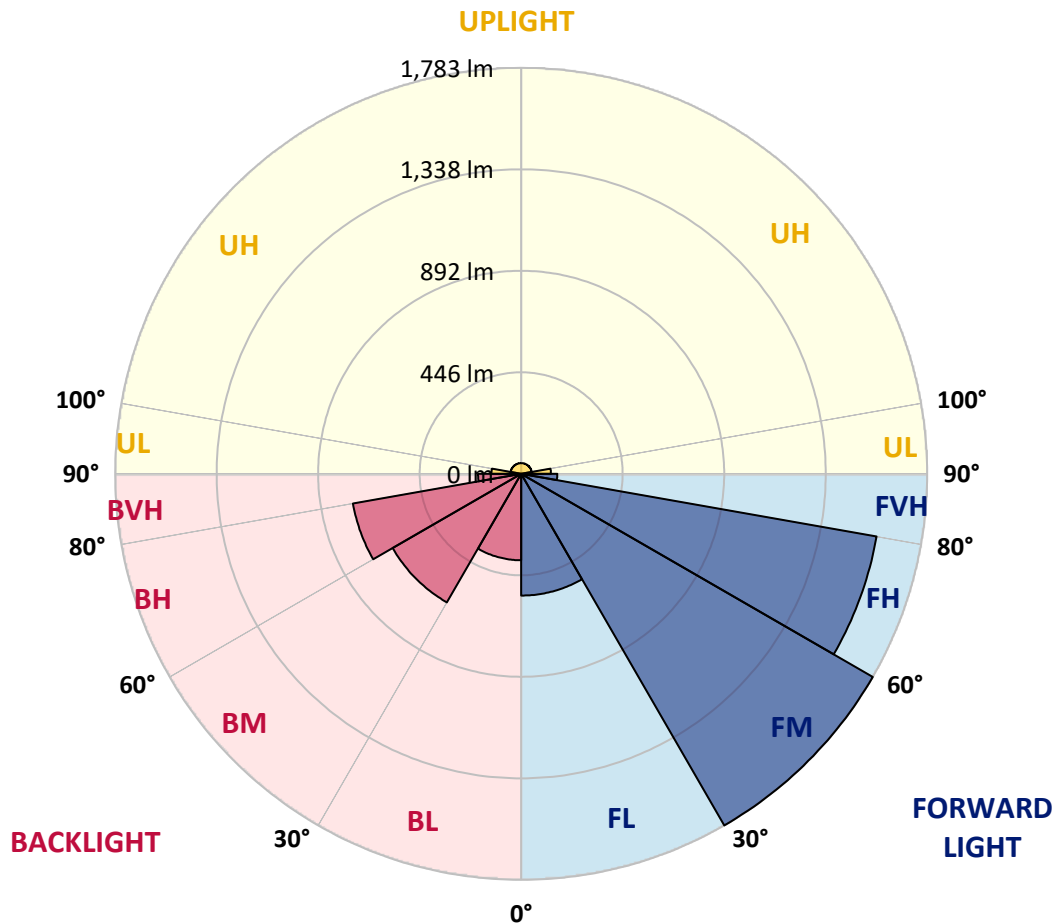
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	534.8	8.6			
FM	(30°-60°)	1783.3	28.7			
FH	(60°-80°)	1585.2	25.5			G1/1800
FVH	(80°-90°)	158.9	2.6			G2/225
BL	(0°-30°)	379.6	6.1	B1/500		
BM	(30°-60°)	652.2	10.5	B1/1000		
BH	(60°-80°)	750.4	12.1	B2/1000		G2/1000
BVH	(80°-90°)	189.6	3.1			G2/225
UL	(90°-100°)	130.9	2.1		U3/500	
UH	(100°-180°)	47.1	0.8		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°	90°
0°	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	995.7	995.7	995.7	997.8	1003.9	1008.1	1010.1	1008.1	1010.1	1014.2	1018.3
5°	1024.5	1022.5	1020.4	1016.3	1014.2	1014.2	1016.3	1016.3	1020.4	1034.8	1043.0
7.5°	1051.3	1047.1	1045.1	1045.1	1043.0	1032.7	1030.7	1024.5	1022.5	1041.0	1053.3
10°	1100.6	1096.5	1084.2	1069.8	1065.7	1053.3	1034.8	1030.7	1032.7	1053.3	1057.4
12.5°	1145.9	1143.8	1135.6	1121.2	1100.6	1088.3	1061.5	1049.2	1051.3	1063.6	1055.4
15°	1222.0	1213.8	1189.1	1176.8	1156.2	1133.6	1098.6	1084.2	1088.3	1078.0	1073.9
17.5°	1267.3	1261.1	1261.1	1238.5	1224.1	1185.0	1152.1	1125.3	1135.6	1108.9	1086.2
20°	1308.4	1308.4	1310.5	1314.6	1287.8	1257.0	1211.7	1178.8	1180.9	1141.8	1108.9
22.5°	1372.2	1366.0	1372.2	1378.4	1359.9	1333.1	1277.6	1244.6	1230.2	1180.9	1137.7
25°	1438.0	1433.9	1433.9	1450.4	1456.5	1415.4	1364.0	1329.0	1308.4	1236.4	1178.8
27.5°	1503.9	1505.9	1512.1	1518.3	1528.5	1508.0	1456.5	1429.8	1403.1	1302.2	1244.6
30°	1557.3	1553.2	1580.0	1594.4	1604.7	1612.9	1555.3	1526.5	1497.7	1386.6	1318.7
32.5°	1617.0	1617.0	1641.7	1668.4	1682.8	1699.3	1652.0	1633.5	1602.6	1487.4	1442.1
35°	1666.4	1666.4	1703.4	1748.7	1775.4	1787.8	1763.1	1761.0	1754.8	1625.2	1559.4
37.5°	1499.7	1520.3	1577.9	1668.4	1771.3	1853.6	1859.8	1900.9	1921.5	1781.6	1697.2
40°	1308.4	1314.6	1382.5	1462.7	1559.4	1662.3	1761.0	1882.4	1868.0	1699.3	1625.2
42.5°	1178.8	1195.3	1281.7	1343.4	1407.2	1470.9	1470.9	1466.8	1364.0	1394.8	1366.0
45°	1166.5	1170.6	1242.6	1335.2	1359.9	1271.4	1148.0	1080.1	1088.3	1238.5	1306.4
47.5°	1294.0	1300.2	1374.3	1462.7	1374.3	1217.9	1096.5	1086.2	1080.1	1345.4	1575.9
50°	1361.9	1366.0	1436.0	1481.2	1343.4	1341.3	1343.4	1306.4	1273.4	1765.1	2260.9
52.5°	1403.1	1407.2	1403.1	1460.7	1413.3	1522.4	1485.3	1423.6	1398.9	2044.9	2670.3
55°	1294.0	1320.8	1431.9	1584.1	1588.2	1625.2	1610.8	1555.3	1553.2	2149.8	2976.9
57.5°	1600.5	1592.3	1635.5	1705.5	1717.8	1719.9	1728.1	1678.7	1693.1	2203.3	2968.6
60°	1812.4	1789.8	1744.6	1777.5	1791.9	1814.5	1843.3	1787.8	1804.2	2250.6	2839.0
62.5°	2012.0	1977.0	1802.2	1796.0	1818.6	1863.9	1905.0	1861.8	1876.2	2267.1	2748.5
65°	1983.2	1952.3	1820.7	1748.7	1781.6	1843.3	1900.9	1880.3	1876.2	2232.1	2637.4
67.5°	1709.6	1711.6	1697.2	1697.2	1684.9	1773.4	1865.9	1868.0	1847.4	2143.7	2470.8
70°	1468.9	1460.7	1483.3	1569.7	1582.0	1687.0	1810.4	1831.0	1804.2	2044.9	2310.3
72.5°	1250.8	1244.6	1248.8	1320.8	1423.6	1538.8	1678.7	1728.1	1689.0	1868.0	2114.9
75°	1034.8	1028.6	1026.6	1051.3	1133.6	1277.6	1438.0	1526.5	1493.6	1610.8	1828.9
77.5°	785.9	773.5	773.5	781.8	843.5	973.1	1127.4	1250.8	1234.4	1298.1	1475.1
80°	522.5	524.6	520.5	518.4	559.6	635.7	748.8	897.0	888.7	888.7	979.3
82.5°	331.2	331.2	337.4	316.8	312.7	320.9	347.7	407.3	411.5	450.5	481.4
85°	211.9	214.0	214.0	193.4	187.2	193.4	211.9	230.4	238.6	277.7	312.7
87.5°	154.3	154.3	150.2	146.1	148.1	154.3	168.7	185.2	199.6	230.4	261.3
90°	117.3	117.3	115.2	113.1	117.3	125.5	144.0	162.5	181.0	216.0	244.8
92.5°	96.7	96.7	94.6	94.6	96.7	102.9	119.3	139.9	158.4	187.2	214.0
95°	80.2	82.3	80.2	82.3	84.3	88.5	98.7	115.2	127.6	146.1	164.6
97.5°	63.8	65.8	65.8	65.8	67.9	74.1	80.2	90.5	98.7	107.0	119.3
100°	47.3	49.4	49.4	49.4	51.4	57.6	63.8	67.9	69.9	72.0	78.2
102.5°	35.0	37.0	37.0	37.0	37.0	41.1	43.2	45.3	45.3	45.3	47.3
105°	24.7	24.7	24.7	24.7	24.7	24.7	26.7	26.7	26.7	26.7	26.7
107.5°	18.5	18.5	18.5	18.5	18.5	18.5	20.6	20.6	20.6	20.6	20.6
110°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	18.5	16.5	16.5	18.5

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	14.4	14.4	14.4	14.4	16.5	16.5	14.4	14.4	14.4
115°	12.3	12.3	12.3	12.3	12.3	12.3	14.4	14.4	12.3	12.3	12.3
117.5°	10.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3	10.3	12.3	12.3
120°	10.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.3
122.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3
125°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
130°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	1018.3	1022.5	1030.7	1038.9	1047.1	1055.4	1059.5	1061.5	1063.6	1059.5	1061.5
5°	1043.0	1047.1	1059.5	1071.8	1069.8	1063.6	1055.4	1055.4	1057.4	1057.4	1061.5
7.5°	1055.4	1061.5	1057.4	1059.5	1063.6	1057.4	1049.2	1038.9	1026.6	1026.6	1028.6
10°	1053.3	1047.1	1053.3	1047.1	1032.7	1030.7	1026.6	1012.2	1003.9	1006.0	1006.0
12.5°	1053.3	1051.3	1038.9	1032.7	1020.4	997.8	987.5	991.6	981.3	983.4	979.3
15°	1069.8	1055.4	1038.9	1018.3	991.6	979.3	964.9	942.2	940.2	940.2	940.2
17.5°	1080.1	1069.8	1032.7	991.6	973.1	942.2	925.8	919.6	903.1	909.3	913.4
20°	1104.7	1080.1	1026.6	983.4	919.6	901.1	874.3	868.2	859.9	835.2	827.0
22.5°	1125.3	1102.7	1020.4	944.3	890.8	847.6	806.4	777.6	763.2	753.0	744.7
25°	1170.6	1135.6	1026.6	925.8	843.5	787.9	750.9	699.5	664.5	660.4	664.5
27.5°	1230.2	1174.7	1041.0	901.1	806.4	720.0	646.0	611.0	574.0	561.6	563.7
30°	1306.4	1232.3	1038.9	878.5	740.6	641.9	547.2	487.6	458.8	446.4	444.4
32.5°	1415.4	1312.5	1086.2	849.6	681.0	532.8	430.0	355.9	341.5	339.4	337.4
35°	1522.4	1442.1	1108.9	806.4	594.5	427.9	325.0	279.8	277.7	275.7	273.6
37.5°	1664.3	1569.7	1172.6	779.7	512.3	323.0	261.3	228.4	222.2	211.9	216.0
40°	1600.5	1522.4	1191.2	738.6	397.1	238.6	195.4	168.7	164.6	166.6	164.6
42.5°	1347.5	1289.9	1038.9	635.7	273.6	174.9	146.1	150.2	158.4	164.6	164.6
45°	1306.4	1193.2	748.8	450.5	176.9	146.1	142.0	148.1	162.5	176.9	179.0
47.5°	1577.9	1433.9	656.3	347.7	203.7	166.6	152.2	152.2	160.5	162.5	160.5
50°	2236.2	2018.2	767.4	399.1	253.0	201.6	174.9	164.6	168.7	172.8	170.8
52.5°	2711.5	2437.9	874.3	477.3	316.8	240.7	205.7	181.0	176.9	176.9	174.9
55°	2989.2	2678.6	999.8	588.4	397.1	290.1	238.6	209.8	199.6	191.3	191.3
57.5°	3003.6	2686.8	1131.5	697.4	495.8	362.1	283.9	244.8	236.6	218.1	214.0
60°	2902.8	2651.8	1232.3	806.4	590.4	462.9	362.1	304.5	294.2	283.9	277.7
62.5°	2810.2	2594.2	1281.7	897.0	691.2	576.0	460.8	380.6	347.7	360.0	368.2
65°	2690.9	2530.4	1248.8	905.2	736.5	643.9	532.8	415.6	360.0	386.8	401.2
67.5°	2507.8	2363.8	1166.5	831.1	687.1	602.8	499.9	390.9	347.7	358.0	358.0
70°	2322.6	2168.4	1086.2	773.5	619.2	530.8	434.1	349.7	343.6	337.4	337.4
72.5°	2104.6	1921.5	981.3	738.6	592.5	516.4	421.7	351.8	368.2	376.5	376.5
75°	1828.9	1625.2	870.2	707.7	580.1	526.7	423.8	378.5	407.3	411.5	411.5
77.5°	1497.7	1275.5	740.6	652.2	545.2	506.1	395.0	372.4	401.2	407.3	409.4
80°	1030.7	903.1	621.3	567.8	487.6	454.7	364.1	362.1	390.9	405.3	407.3
82.5°	522.5	514.3	452.6	446.4	415.6	397.1	337.4	351.8	382.7	403.2	405.3
85°	323.0	335.3	302.4	298.3	308.6	316.8	306.5	335.3	358.0	380.6	384.7
87.5°	269.5	283.9	253.0	240.7	244.8	259.2	271.6	302.4	323.0	341.5	343.6
90°	253.0	265.4	216.0	205.7	214.0	224.2	232.5	248.9	265.4	275.7	275.7
92.5°	222.2	226.3	179.0	170.8	183.1	189.3	187.2	191.3	191.3	170.8	170.8
95°	170.8	170.8	135.8	135.8	146.1	148.1	133.7	121.4	113.1	67.9	57.6
97.5°	123.4	121.4	98.7	98.7	107.0	104.9	88.5	74.1	61.7	39.1	41.1
100°	82.3	80.2	65.8	69.9	74.1	65.8	55.5	45.3	37.0	24.7	28.8
102.5°	49.4	47.3	43.2	45.3	43.2	41.1	32.9	26.7	22.6	14.4	16.5
105°	28.8	26.7	26.7	26.7	26.7	24.7	22.6	16.5	12.3	8.2	8.2
107.5°	20.6	20.6	20.6	18.5	18.5	16.5	14.4	12.3	8.2	6.2	4.1
110°	18.5	16.5	16.5	16.5	14.4	14.4	12.3	10.3	6.2	4.1	4.1

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.4	14.4	14.4	12.3	12.3	10.3	8.2	8.2	6.2	2.1	2.1
115°	12.3	12.3	10.3	10.3	8.2	8.2	6.2	6.2	4.1	2.1	2.1
117.5°	12.3	12.3	8.2	8.2	6.2	6.2	6.2	4.1	2.1	2.1	2.1
120°	12.3	10.3	8.2	6.2	6.2	6.2	4.1	4.1	2.1	0.0	2.1
122.5°	10.3	10.3	6.2	6.2	4.1	4.1	4.1	2.1	2.1	0.0	0.0
125°	8.2	8.2	6.2	4.1	4.1	4.1	4.1	2.1	2.1	0.0	0.0
127.5°	8.2	8.2	6.2	4.1	4.1	4.1	4.1	2.1	2.1	0.0	0.0
130°	6.2	6.2	4.1	4.1	4.1	4.1	2.1	2.1	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)