

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: P691392

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - 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



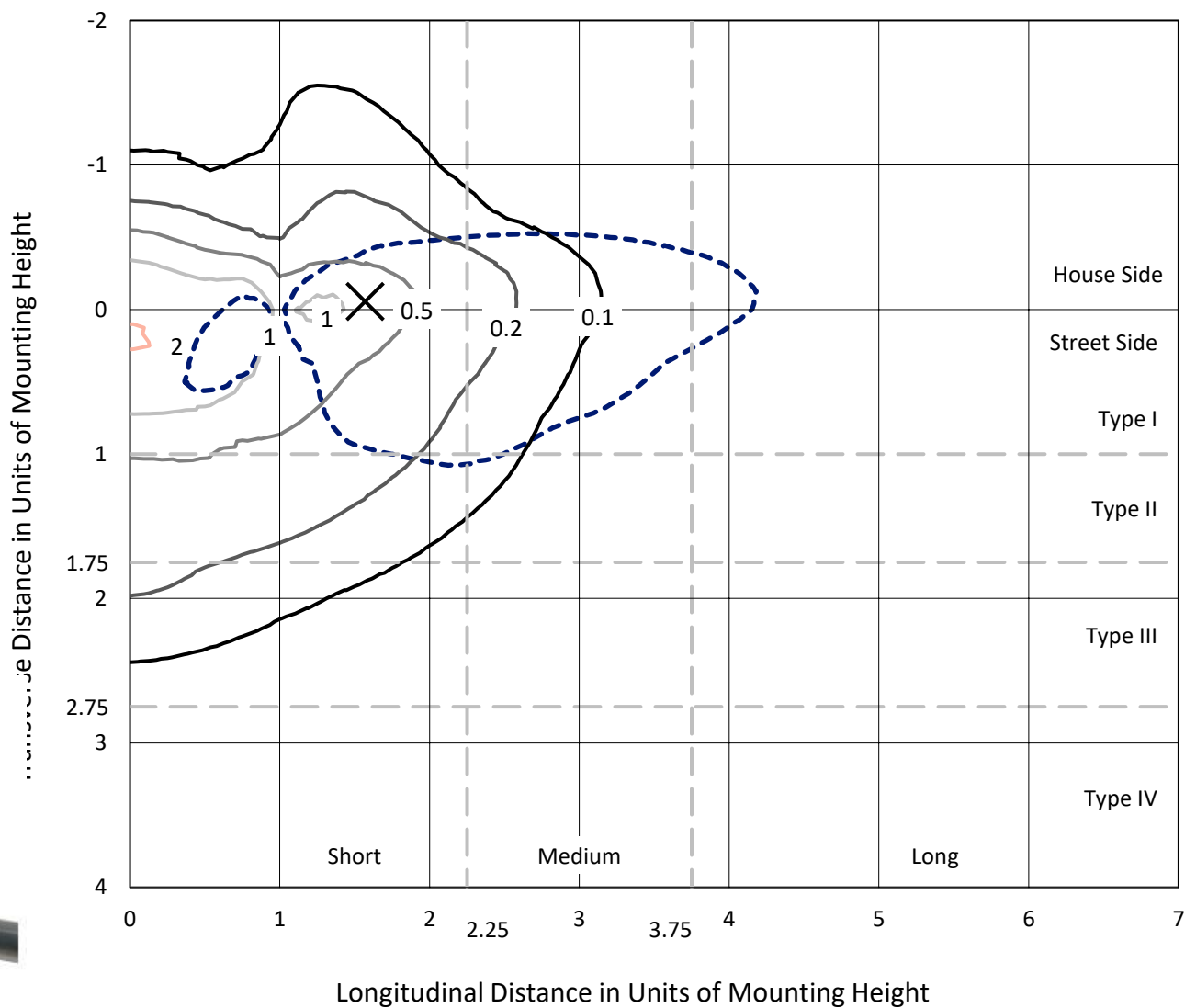
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

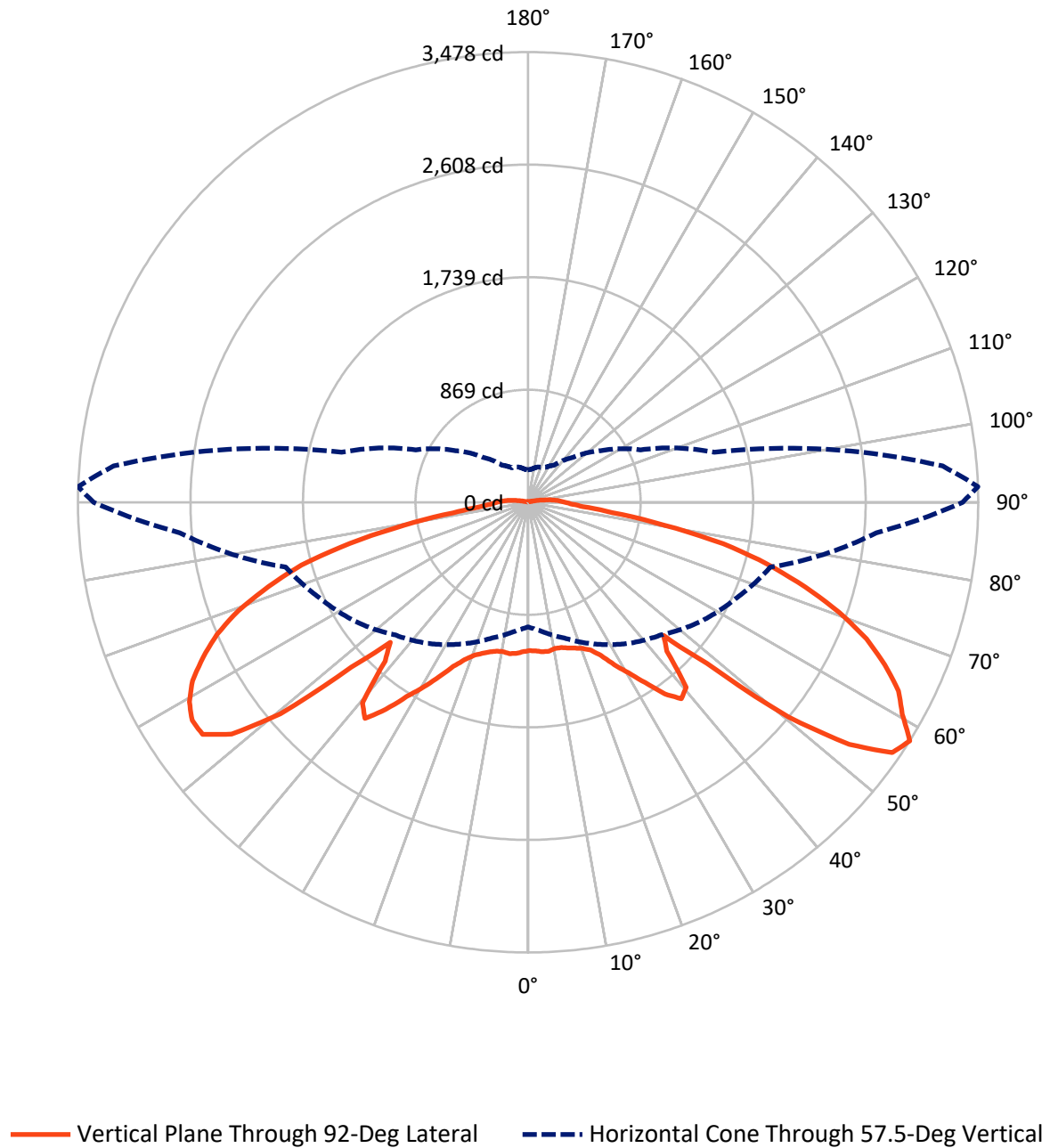


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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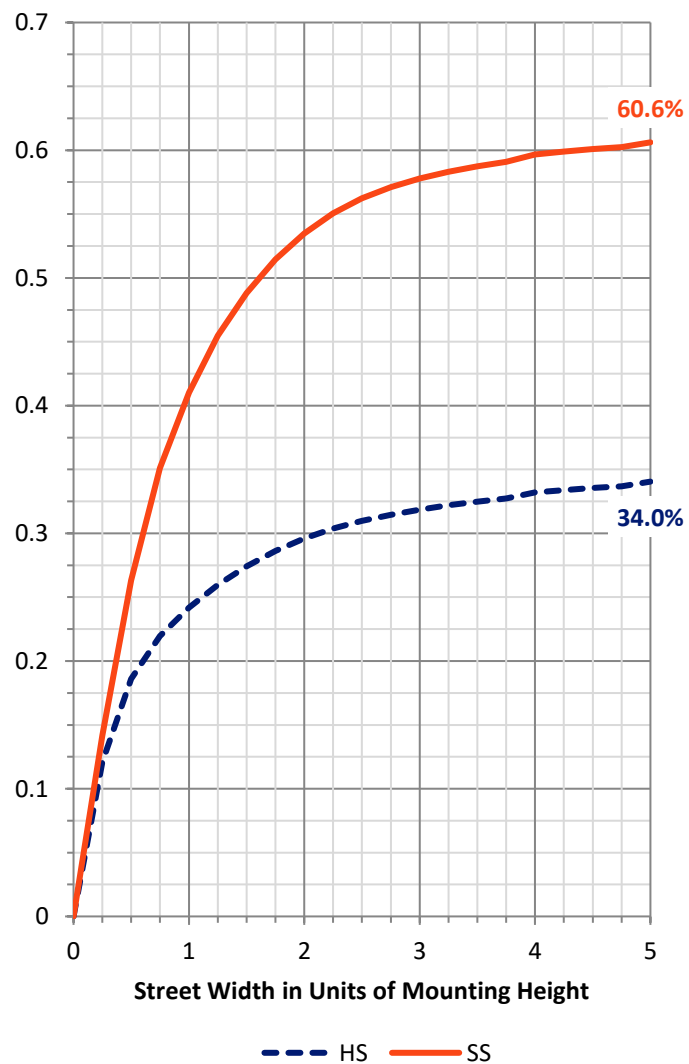
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2179.0	95.2	2274.2
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3755.0	77.7	3832.8
	% Fixture	61.5	1.3	62.8
Total	Lumens	5934.1	172.9	6107.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.8
10°-20°	323.6	5.3
20°-30°	536.7	8.8
30°-40°	742.8	12.2
40°-50°	693.6	11.4
50°-60°	1036.4	17.0
60°-70°	1231.1	20.2
70°-80°	903.6	14.8
80°-90°	356.2	5.8
90°-100°	125.4	2.1
100°-110°	29.7	0.5
110°-120°	11.4	0.2
120°-130°	5.9	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°	5934.1	97.2
0°-180°	6107.0	100.0

Coefficient of Utilization



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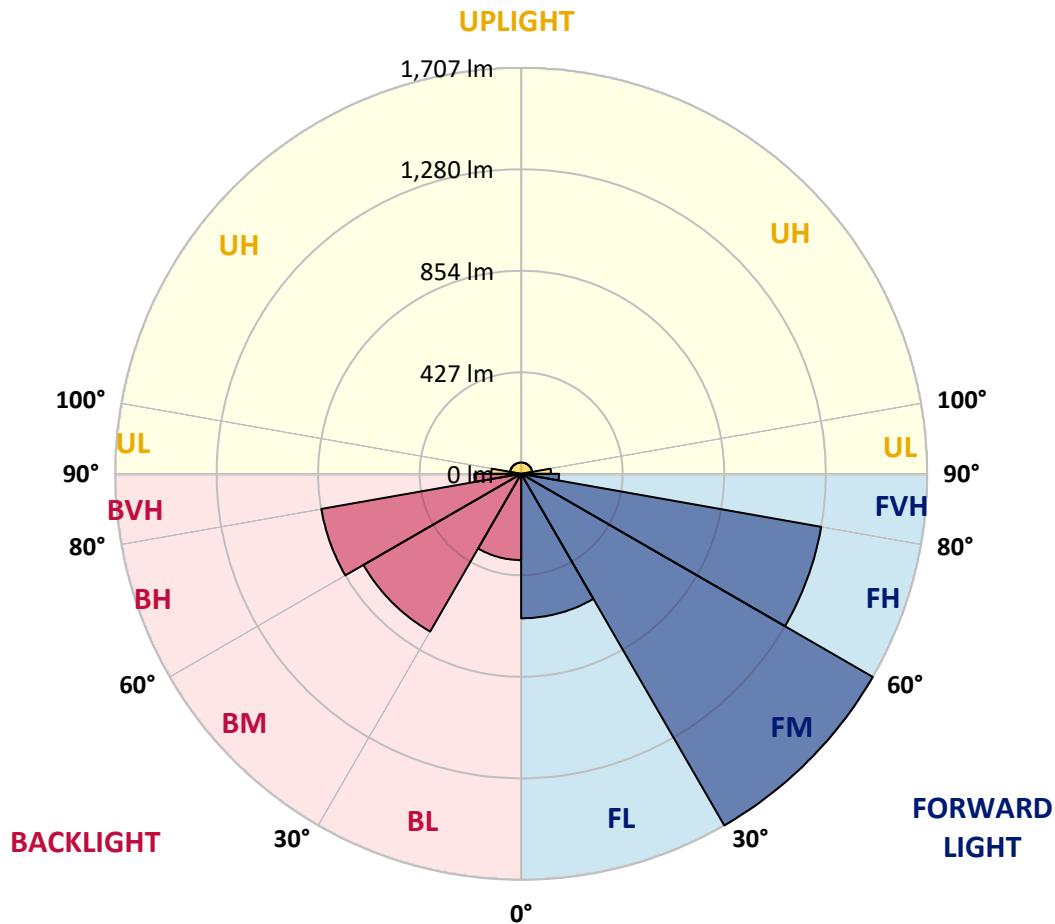
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.5	9.9			
FM	(30°-60°)	1707.2	28.0			
FH	(60°-80°)	1281.1	21.0			G1/1800
FVH	(80°-90°)	159.2	2.6			G2/225
BL	(0°-30°)	362.7	5.9	B1/500		
BM	(30°-60°)	765.7	12.5	B1/1000		
BH	(60°-80°)	853.6	14.0	B2/1000		G2/1000
BVH	(80°-90°)	197.0	3.2			G2/225
UL	(90°-100°)	125.4	2.1		U3/500	
UH	(100°-180°)	47.5	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1194.9	1186.7	1188.8	1186.7	1182.6	1178.5	1174.4	1170.3	1164.1	1157.9	1153.8
5°	1264.9	1256.6	1256.6	1256.6	1248.4	1236.1	1219.6	1209.3	1194.9	1178.5	1166.1
7.5°	1312.2	1306.0	1303.9	1301.9	1291.6	1283.4	1264.9	1232.0	1209.3	1188.8	1170.3
10°	1328.6	1328.6	1326.6	1320.4	1310.1	1299.8	1287.5	1256.6	1219.6	1184.7	1160.0
12.5°	1359.5	1363.6	1357.4	1347.1	1343.0	1330.7	1312.2	1287.5	1246.4	1192.9	1164.1
15°	1406.8	1404.7	1396.5	1394.4	1390.3	1375.9	1359.5	1328.6	1281.3	1213.4	1180.5
17.5°	1427.3	1425.3	1425.3	1425.3	1425.3	1415.0	1412.9	1378.0	1328.6	1246.4	1205.2
20°	1431.5	1431.5	1437.6	1452.0	1454.1	1452.0	1462.3	1439.7	1382.1	1287.5	1232.0
22.5°	1458.2	1460.2	1470.5	1484.9	1495.2	1499.3	1507.6	1517.8	1464.4	1353.3	1283.4
25°	1443.8	1454.1	1476.7	1499.3	1524.0	1538.4	1583.6	1618.6	1573.4	1450.0	1355.4
27.5°	1419.1	1427.3	1472.6	1513.7	1569.3	1628.9	1694.7	1740.0	1713.2	1569.3	1470.5
30°	1441.7	1441.7	1470.5	1538.4	1610.4	1719.4	1816.1	1865.4	1853.1	1694.7	1604.2
32.5°	1394.4	1406.8	1468.5	1567.2	1676.2	1818.1	1916.8	2009.4	2021.7	1857.2	1711.2
35°	1254.6	1281.3	1322.4	1452.0	1637.1	1883.9	2036.1	2153.4	2204.8	2042.3	1871.6
37.5°	1036.6	1046.9	1133.2	1262.8	1482.9	1727.6	1990.9	2276.8	2383.7	2182.1	2032.0
40°	915.2	921.4	976.9	1090.0	1275.1	1515.8	1737.9	2032.0	2116.3	2095.8	1953.9
42.5°	874.1	884.4	950.2	1059.2	1215.5	1382.1	1439.7	1567.2	1534.3	1622.7	1668.0
45°	923.5	929.6	976.9	1071.5	1170.3	1242.2	1201.1	1291.6	1336.8	1511.7	1521.9
47.5°	958.4	962.5	1013.9	1133.2	1149.7	1151.7	1207.3	1260.7	1386.2	1764.6	1933.3
50°	822.7	843.2	942.0	1044.8	1053.0	1215.5	1373.9	1480.8	1635.1	2324.1	2647.0
52.5°	763.0	773.3	880.3	1059.2	1178.5	1367.7	1480.8	1587.8	1735.8	2566.7	3134.4
55°	837.1	853.5	981.0	1180.5	1299.8	1429.4	1571.3	1702.9	1849.0	2692.2	3352.4
57.5°	962.5	993.4	1085.9	1207.3	1332.7	1450.0	1614.5	1766.7	1937.4	2700.4	3356.5
60°	1211.4	1188.8	1137.3	1190.8	1312.2	1445.9	1635.1	1797.5	1986.8	2698.4	3261.9
62.5°	1382.1	1349.2	1178.5	1153.8	1266.9	1402.7	1589.8	1793.4	1976.5	2607.9	3155.0
65°	1349.2	1326.6	1194.9	1104.4	1186.7	1332.7	1528.1	1768.7	1927.1	2511.2	2961.6
67.5°	1164.1	1137.3	1081.8	1046.9	1088.0	1258.7	1470.5	1719.4	1869.5	2400.2	2749.8
70°	950.2	935.8	917.3	954.3	1005.7	1166.1	1365.6	1612.4	1760.5	2188.3	2523.6
72.5°	806.2	798.0	775.4	814.4	900.8	1044.8	1211.4	1458.2	1624.8	1902.4	2243.8
75°	678.7	680.8	668.4	693.1	748.6	890.5	1022.2	1262.8	1447.9	1633.0	1941.5
77.5°	557.4	551.2	563.5	577.9	614.9	717.8	806.2	1016.0	1236.1	1295.7	1489.0
80°	407.2	417.5	440.1	438.1	468.9	514.2	573.8	684.9	867.9	927.6	1001.6
82.5°	287.9	300.3	320.8	298.2	302.3	314.7	341.4	392.8	489.5	549.1	610.8
85°	203.6	209.8	213.9	197.4	197.4	205.7	224.2	261.2	320.8	357.9	390.8
87.5°	148.1	150.1	158.4	150.1	152.2	156.3	172.8	197.4	246.8	273.5	300.3
90°	113.1	113.1	117.2	115.2	119.3	127.5	144.0	164.5	201.6	234.5	259.1
92.5°	82.3	82.3	86.4	88.4	90.5	100.8	115.2	131.6	156.3	197.4	222.1
95°	63.8	63.8	67.9	67.9	69.9	78.2	90.5	106.9	125.5	154.3	176.9
97.5°	47.3	47.3	51.4	51.4	53.5	59.6	69.9	80.2	96.7	115.2	125.5
100°	37.0	37.0	39.1	39.1	41.1	47.3	53.5	59.6	63.8	74.0	78.2
102.5°	30.9	30.9	30.9	30.9	30.9	35.0	37.0	37.0	39.1	45.2	47.3
105°	24.7	24.7	24.7	22.6	22.6	24.7	24.7	24.7	26.7	26.7	28.8
107.5°	18.5	18.5	18.5	18.5	18.5	20.6	20.6	20.6	20.6	22.6	22.6
110°	16.5	16.5	16.5	16.5	16.5	16.5	18.5	18.5	18.5	18.5	18.5

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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	16.5	16.5	16.5
115°	12.3	12.3	12.3	12.3	12.3	14.4	16.5	14.4	14.4	14.4	14.4
117.5°	10.3	10.3	10.3	12.3	12.3	12.3	14.4	12.3	12.3	12.3	14.4
120°	8.2	8.2	10.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3	12.3
122.5°	8.2	8.2	8.2	8.2	8.2	10.3	10.3	10.3	10.3	10.3	12.3
125°	6.2	6.2	6.2	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1149.7	1149.7	1137.3	1125.0	1112.7	1100.3	1090.0	1083.9	1075.6	1077.7	1077.7
5°	1160.0	1153.8	1127.1	1110.6	1092.1	1075.6	1059.2	1044.8	1040.7	1038.6	1030.4
7.5°	1162.0	1151.7	1123.0	1098.3	1063.3	1024.2	1005.7	989.3	979.0	987.2	983.1
10°	1147.6	1135.3	1102.4	1065.4	1016.0	983.1	954.3	937.8	929.6	931.7	929.6
12.5°	1151.7	1137.3	1083.9	1028.3	987.2	931.7	896.7	882.3	872.0	872.0	865.9
15°	1168.2	1143.5	1067.4	1009.8	942.0	894.7	853.5	843.2	839.1	835.0	828.8
17.5°	1184.7	1149.7	1065.4	976.9	900.8	849.4	808.3	789.8	779.5	779.5	777.4
20°	1205.2	1162.0	1053.0	942.0	861.8	793.9	744.5	728.1	719.8	717.8	713.7
22.5°	1240.2	1194.9	1046.9	927.6	810.3	740.4	693.1	662.3	645.8	643.7	643.7
25°	1310.1	1254.6	1059.2	888.5	775.4	684.9	627.3	596.4	577.9	577.9	575.9
27.5°	1421.2	1332.7	1077.7	874.1	709.6	625.2	565.6	518.3	501.8	501.8	503.9
30°	1530.2	1452.0	1125.0	843.2	672.5	547.1	475.1	440.1	419.6	411.3	413.4
32.5°	1659.7	1577.5	1190.8	822.7	598.5	454.5	388.7	370.2	339.4	331.1	325.0
35°	1818.1	1698.8	1264.9	793.9	540.9	386.7	333.2	296.2	281.8	271.5	269.4
37.5°	1925.1	1820.2	1330.7	800.1	460.7	349.6	290.0	250.9	236.5	238.6	238.6
40°	1879.8	1758.5	1347.1	758.9	392.8	304.4	242.7	220.1	211.8	213.9	216.0
42.5°	1571.3	1507.6	1114.7	678.7	325.0	244.7	203.6	203.6	209.8	203.6	203.6
45°	1468.5	1308.1	810.3	477.2	244.7	201.6	193.3	199.5	213.9	213.9	213.9
47.5°	1859.2	1678.3	726.0	399.0	273.5	226.2	209.8	199.5	201.6	199.5	199.5
50°	2607.9	2324.1	974.9	497.7	331.1	269.4	238.6	218.0	218.0	213.9	209.8
52.5°	3105.6	2807.4	1186.7	623.2	415.5	314.7	273.5	236.5	224.2	216.0	213.9
55°	3414.1	3187.9	1369.8	798.0	540.9	374.3	304.4	265.3	246.8	230.3	228.3
57.5°	3477.9	3214.6	1491.1	958.4	697.2	491.5	349.6	294.1	281.8	255.0	250.9
60°	3321.5	3146.7	1538.4	1063.3	833.0	647.9	456.6	341.4	314.7	296.2	292.0
62.5°	3212.5	3011.0	1521.9	1098.3	917.3	777.4	600.6	419.6	343.5	345.5	364.0
65°	3029.5	2893.8	1400.6	1046.9	913.2	820.6	674.6	485.4	353.7	349.6	372.3
67.5°	2819.7	2712.8	1279.3	933.7	841.2	761.0	627.3	462.8	335.2	314.7	316.7
70°	2550.3	2459.8	1155.9	870.0	775.4	674.6	545.0	401.1	331.1	298.2	298.2
72.5°	2239.7	2132.8	1053.0	822.7	740.4	647.9	522.4	386.7	355.8	343.5	353.7
75°	1910.7	1774.9	972.8	777.4	715.7	647.9	520.3	386.7	355.8	345.5	345.5
77.5°	1540.5	1460.2	886.4	705.4	666.4	617.0	479.2	359.9	349.6	345.5	345.5
80°	1065.4	1053.0	721.9	612.9	602.6	584.1	450.4	347.6	347.6	341.4	333.2
82.5°	654.0	623.2	516.2	458.6	493.6	520.3	409.3	327.0	318.8	312.6	308.5
85°	423.7	425.7	362.0	320.8	341.4	396.9	345.5	296.2	283.8	287.9	287.9
87.5°	325.0	335.2	283.8	261.2	257.1	269.4	271.5	265.3	257.1	250.9	253.0
90°	279.7	283.8	228.3	209.8	207.7	211.8	211.8	224.2	224.2	203.6	191.3
92.5°	234.5	240.6	189.2	170.7	170.7	176.9	181.0	181.0	164.5	133.7	119.3
95°	185.1	189.2	150.1	135.7	137.8	137.8	135.7	129.6	100.8	59.6	53.5
97.5°	129.6	131.6	111.1	102.8	104.9	100.8	88.4	80.2	61.7	35.0	32.9
100°	82.3	84.3	69.9	67.9	74.0	65.8	57.6	53.5	37.0	22.6	26.7
102.5°	49.4	49.4	43.2	41.1	45.2	39.1	35.0	28.8	22.6	14.4	18.5
105°	28.8	28.8	26.7	26.7	26.7	24.7	22.6	18.5	12.3	10.3	10.3
107.5°	22.6	22.6	20.6	20.6	18.5	18.5	16.5	12.3	8.2	6.2	6.2
110°	18.5	18.5	16.5	16.5	16.5	14.4	12.3	10.3	6.2	4.1	4.1

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	16.5	14.4	14.4	12.3	12.3	10.3	8.2	6.2	4.1	4.1
115°	14.4	14.4	12.3	10.3	10.3	10.3	8.2	6.2	4.1	2.1	4.1
117.5°	14.4	14.4	10.3	8.2	8.2	8.2	6.2	6.2	4.1	2.1	2.1
120°	12.3	12.3	8.2	8.2	6.2	6.2	6.2	4.1	2.1	2.1	2.1
122.5°	10.3	10.3	8.2	6.2	6.2	6.2	4.1	4.1	2.1	2.1	2.1
125°	10.3	10.3	6.2	6.2	6.2	4.1	4.1	4.1	2.1	0.0	0.0
127.5°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	2.1	2.1	0.0	0.0
130°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	2.1	2.1	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)