

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: P691391

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691391
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-C016-5TLD-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: 5181 lumens
Efficiency: N/A
Efficacy: 121.1 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

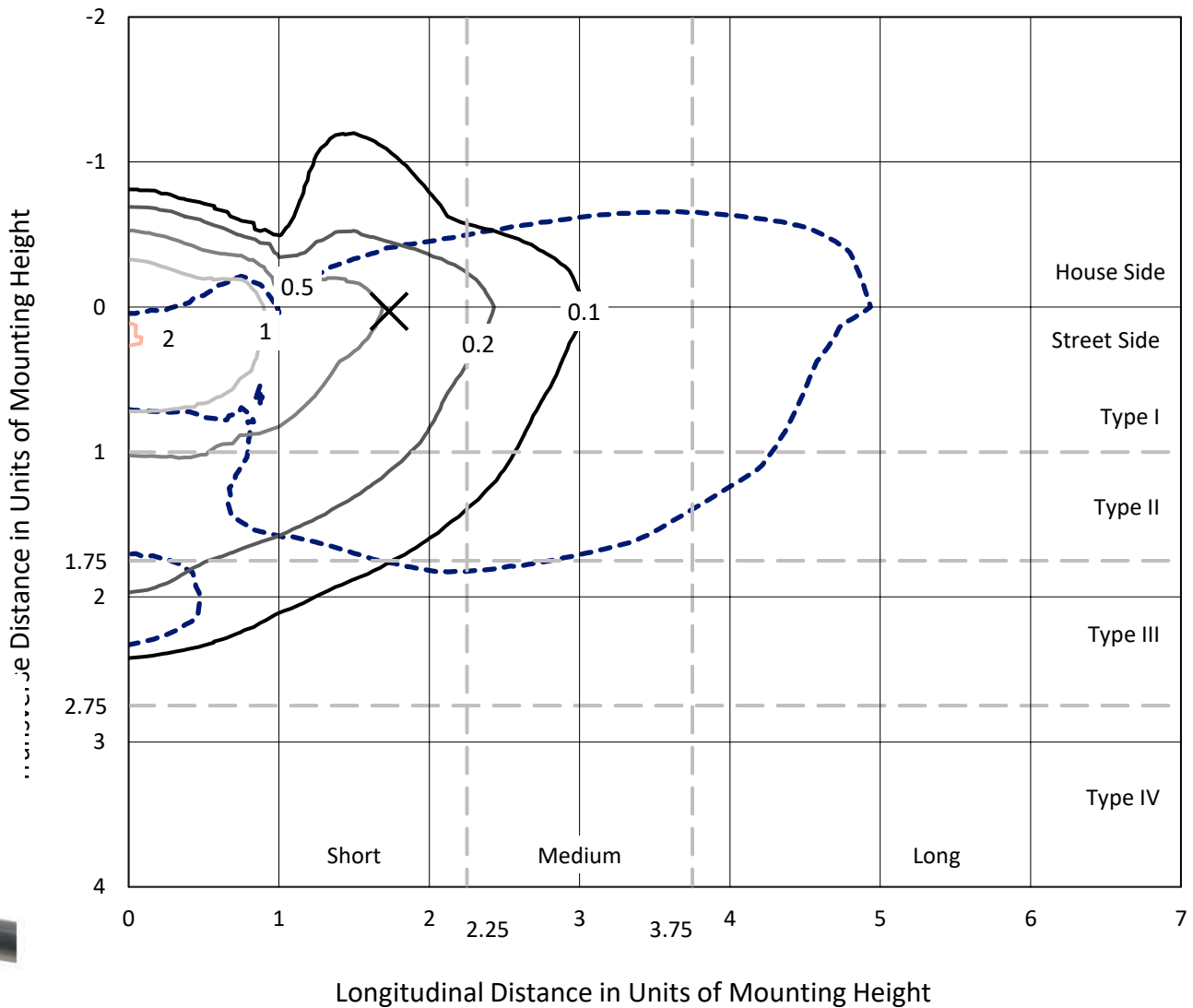


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

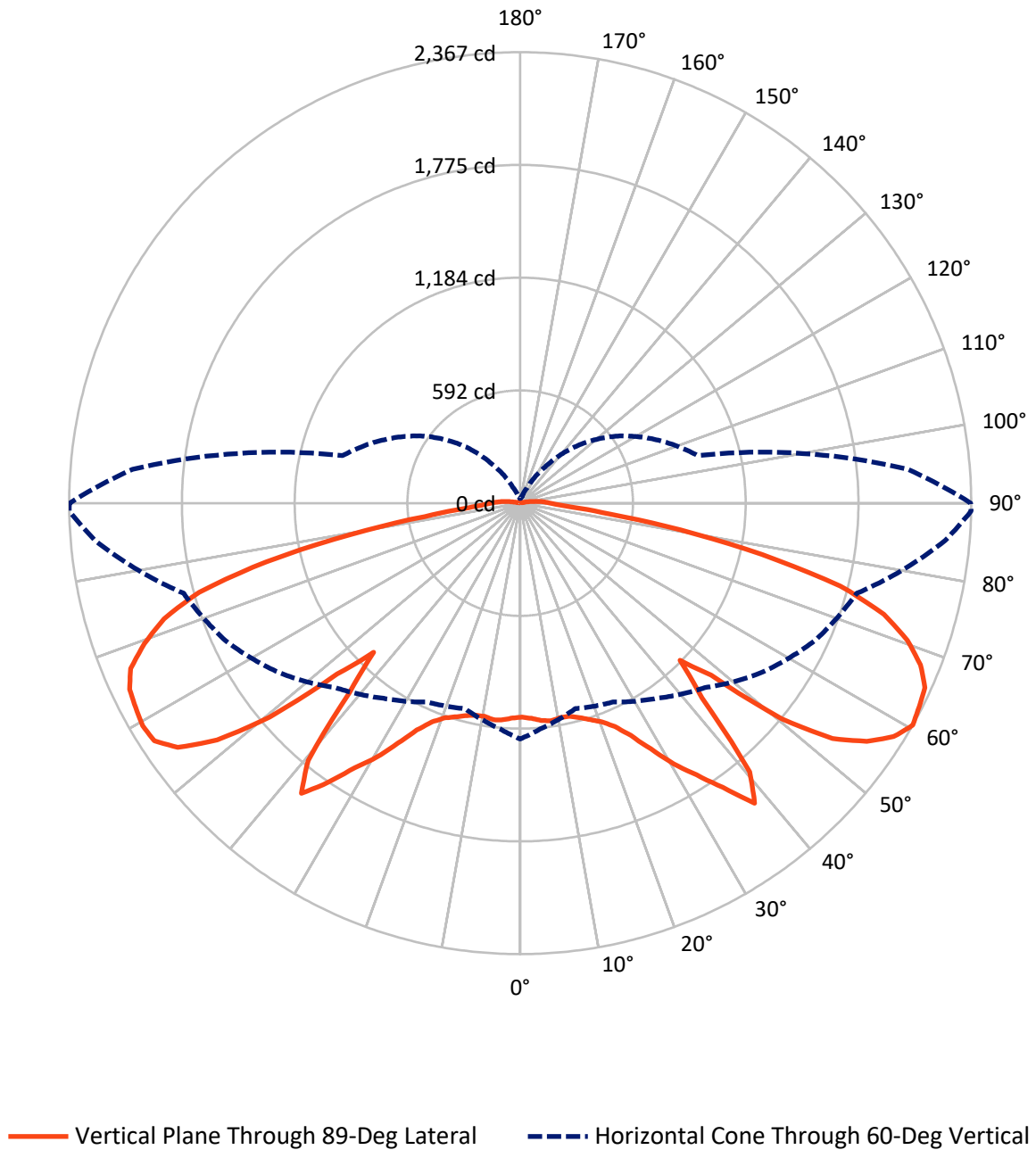


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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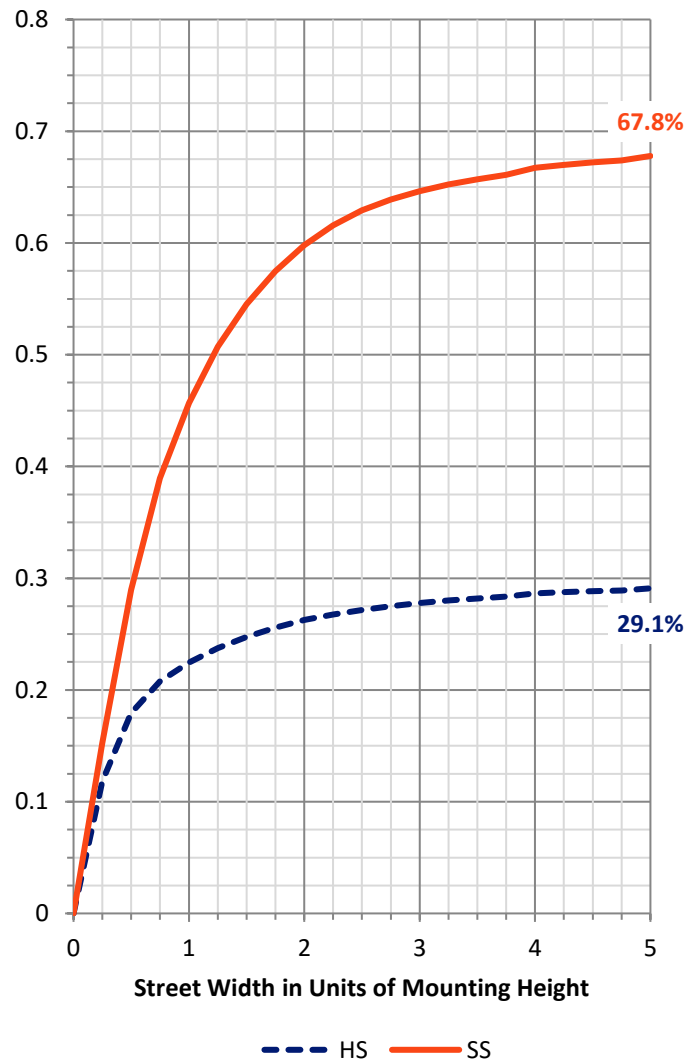
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1538.1	28.9	1567.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3558.4	55.7	3614.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	5096.5	84.6	5181.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	2.1
10°-20°	318.7	6.2
20°-30°	526.0	10.2
30°-40°	713.5	13.8
40°-50°	594.3	11.5
50°-60°	823.0	15.9
60°-70°	1014.4	19.6
70°-80°	768.1	14.8
80°-90°	230.5	4.4
90°-100°	59.7	1.2
100°-110°	13.6	0.3
110°-120°	6.4	0.1
120°-130°	4.4	0.1
130°-140°	0.4	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°	5096.5	98.4
0°-180°	5181.0	100.0

Coefficient of Utilization



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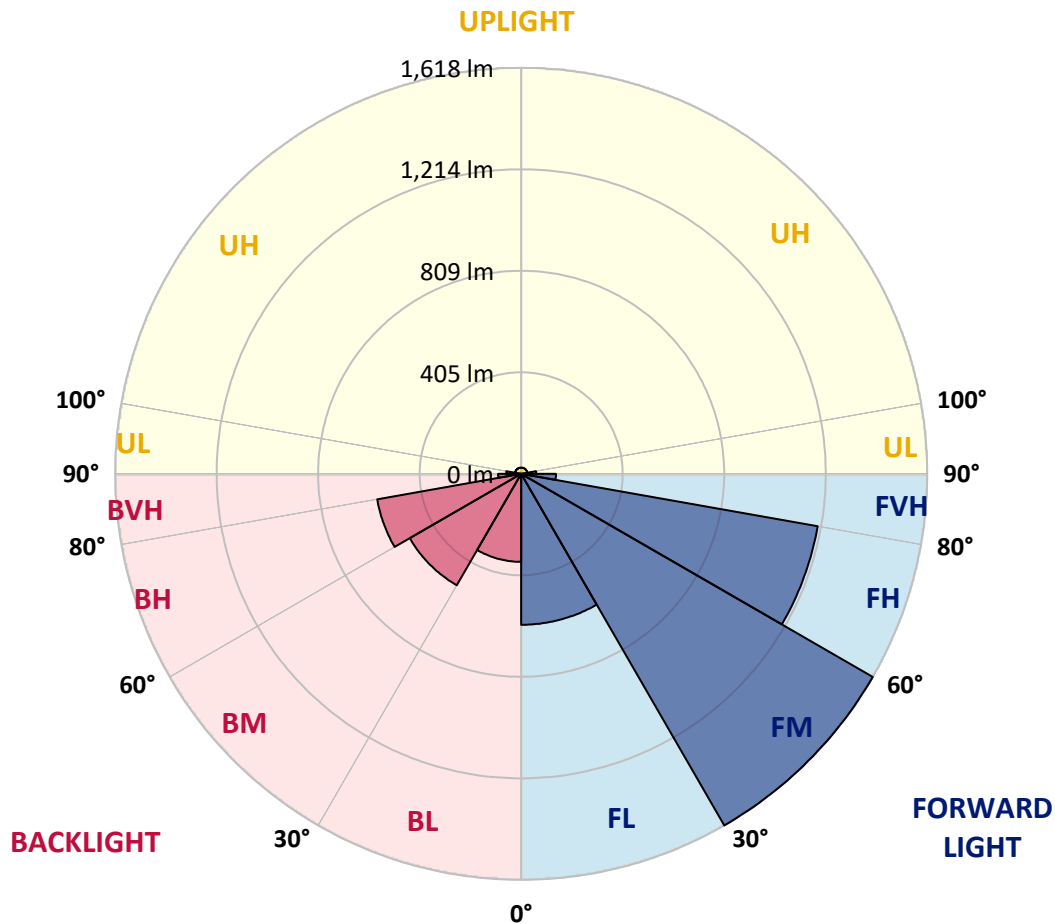
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.8	11.6			
FM	(30°-60°)	1618.1	31.2			
FH	(60°-80°)	1199.9	23.2			G1/1800
FVH	(80°-90°)	138.6	2.7			G2/225
BL	(0°-30°)	350.8	6.8	B1/500		
BM	(30°-60°)	512.8	9.9	B1/1000		
BH	(60°-80°)	582.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	91.9	1.8			G1/100
UL	(90°-100°)	59.7	1.2		U3/500	
UH	(100°-180°)	24.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1178.5	1172.3	1172.3	1172.3	1159.9	1159.9	1151.7	1147.6	1139.4	1133.2	1131.2
5°	1246.3	1242.2	1242.2	1240.2	1227.8	1219.6	1203.1	1188.7	1176.4	1155.8	1145.6
7.5°	1299.8	1293.6	1293.6	1291.6	1279.2	1268.9	1250.4	1217.5	1192.9	1170.2	1153.8
10°	1318.3	1316.3	1314.2	1308.0	1297.7	1289.5	1273.1	1242.2	1203.1	1166.1	1145.6
12.5°	1353.3	1353.3	1347.1	1338.9	1330.6	1322.4	1299.8	1275.1	1231.9	1174.3	1147.6
15°	1398.5	1394.4	1390.3	1386.2	1380.0	1367.7	1347.1	1316.3	1266.9	1197.0	1168.2
17.5°	1417.0	1415.0	1415.0	1417.0	1415.0	1406.7	1402.6	1367.7	1316.3	1227.8	1194.9
20°	1421.1	1423.2	1427.3	1441.7	1445.8	1441.7	1447.9	1427.3	1367.7	1268.9	1225.8
22.5°	1445.8	1449.9	1458.2	1472.6	1478.7	1484.9	1491.1	1507.5	1447.9	1332.7	1273.1
25°	1435.5	1439.7	1464.3	1487.0	1509.6	1528.1	1567.2	1604.2	1561.0	1427.3	1351.2
27.5°	1408.8	1417.0	1460.2	1505.5	1561.0	1610.4	1682.3	1727.6	1692.6	1546.6	1460.2
30°	1431.4	1431.4	1460.2	1526.0	1598.0	1709.1	1803.7	1855.1	1830.4	1661.8	1587.7
32.5°	1384.1	1396.5	1456.1	1554.8	1665.9	1807.8	1900.3	1990.8	1999.1	1816.0	1700.8
35°	1238.1	1258.7	1308.0	1439.7	1610.4	1857.2	2019.6	2141.0	2180.0	2001.1	1832.5
37.5°	1020.1	1034.5	1120.9	1252.5	1456.1	1692.6	1953.8	2229.4	2338.4	2120.4	1999.1
40°	902.9	913.2	964.6	1073.6	1260.7	1489.0	1694.7	1960.0	2019.6	1935.3	1855.1
42.5°	863.8	880.2	944.0	1044.8	1197.0	1357.4	1390.3	1489.0	1458.2	1468.4	1398.5
45°	917.3	923.4	970.7	1059.2	1151.7	1194.9	1151.7	1219.6	1252.5	1246.3	1176.4
47.5°	944.0	954.3	1005.7	1118.8	1118.8	1120.9	1174.3	1215.5	1310.1	1398.5	1349.2
50°	810.3	824.7	919.3	1009.8	1024.2	1194.9	1334.8	1415.0	1513.7	1750.2	1779.0
52.5°	763.0	773.3	876.1	1057.1	1162.0	1336.8	1423.2	1497.2	1581.6	1972.3	2052.5
55°	835.0	853.5	974.8	1162.0	1277.2	1382.1	1493.1	1600.1	1690.6	2147.1	2206.8
57.5°	964.6	999.5	1073.6	1178.5	1287.5	1382.1	1530.1	1661.8	1781.1	2215.0	2311.7
60°	1238.1	1190.8	1116.8	1151.7	1250.4	1369.7	1548.7	1707.0	1828.4	2239.7	2367.2
62.5°	1365.6	1330.6	1149.7	1102.4	1188.7	1326.5	1513.7	1707.0	1811.9	2192.4	2350.7
65°	1320.4	1291.6	1162.0	1044.8	1112.6	1266.9	1460.2	1682.3	1774.9	2132.7	2334.3
67.5°	1125.0	1096.2	1055.1	1011.9	1040.7	1207.3	1410.9	1637.1	1733.8	2083.4	2266.4
70°	915.2	898.8	884.4	917.3	970.7	1116.8	1312.1	1536.3	1651.5	1964.1	2155.4
72.5°	779.5	769.2	744.5	777.4	861.7	995.4	1164.1	1388.2	1526.0	1762.5	1997.0
75°	662.2	656.1	647.8	664.3	717.8	843.2	976.9	1197.0	1363.6	1538.4	1735.8
77.5°	536.8	528.6	547.1	551.2	592.3	682.8	769.2	952.2	1137.3	1207.3	1295.7
80°	390.8	399.0	429.8	417.5	448.3	479.2	540.9	621.1	767.1	845.3	851.5
82.5°	273.5	281.8	310.6	279.7	287.9	290.0	312.6	341.4	401.0	466.9	475.1
85°	193.3	197.4	203.6	181.0	181.0	181.0	195.4	211.8	242.7	269.4	275.6
87.5°	137.8	137.8	146.0	137.8	135.7	133.7	141.9	148.1	166.6	185.1	189.2
90°	102.8	102.8	106.9	102.8	102.8	102.8	111.1	117.2	133.7	150.1	152.2
92.5°	74.0	74.0	80.2	78.2	78.2	80.2	88.4	92.5	106.9	123.4	125.5
95°	57.6	57.6	61.7	59.6	59.6	63.8	69.9	74.0	84.3	92.5	94.6
97.5°	41.1	41.1	43.2	43.2	43.2	43.2	47.3	53.5	65.8	65.8	63.8
100°	28.8	28.8	30.8	28.8	28.8	30.8	30.8	35.0	41.1	39.1	39.1
102.5°	20.6	20.6	20.6	20.6	20.6	18.5	18.5	20.6	22.6	20.6	20.6
105°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	12.3
107.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.3	10.3
110°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.2

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2
115°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2
117.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
120°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
122.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
125°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	6.2
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
130°	6.2	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1
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°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1129.1	1125.0	1112.6	1098.2	1085.9	1075.6	1065.3	1057.1	1055.1	1050.9	1055.1
5°	1143.5	1129.1	1100.3	1081.8	1065.3	1048.9	1032.4	1024.2	1018.0	1013.9	1013.9
7.5°	1149.7	1129.1	1096.2	1071.5	1036.5	1001.6	981.0	964.6	958.4	964.6	964.6
10°	1139.4	1114.7	1075.6	1038.6	991.3	962.5	933.7	919.3	911.1	911.1	904.9
12.5°	1143.5	1114.7	1057.1	1001.6	962.5	911.1	876.1	859.7	847.3	851.5	851.5
15°	1159.9	1120.9	1040.7	985.1	917.3	876.1	832.9	822.7	820.6	814.4	810.3
17.5°	1184.6	1127.0	1036.5	948.1	878.2	828.8	787.7	769.2	758.9	752.7	750.7
20°	1211.4	1135.3	1024.2	913.2	837.1	773.3	723.9	699.3	691.0	691.0	686.9
22.5°	1256.6	1164.1	1013.9	896.7	781.5	717.8	668.4	633.4	617.0	614.9	612.9
25°	1330.6	1219.6	1024.2	859.7	748.6	654.0	598.5	567.6	549.1	543.0	543.0
27.5°	1443.8	1295.7	1038.6	839.1	680.7	594.4	532.7	485.4	458.6	460.7	462.7
30°	1565.1	1408.8	1079.7	806.2	637.6	510.0	436.0	399.0	374.3	366.1	362.0
32.5°	1663.8	1526.0	1139.4	779.5	557.4	407.2	343.5	316.7	290.0	267.4	259.1
35°	1816.0	1624.7	1190.8	740.4	491.5	333.2	277.6	236.5	213.9	203.6	199.5
37.5°	1953.8	1721.4	1229.9	732.2	399.0	285.9	220.1	176.9	154.2	152.2	152.2
40°	1787.2	1600.1	1201.1	666.4	314.7	222.1	158.4	125.5	109.0	100.8	100.8
42.5°	1367.7	1225.8	915.2	555.3	226.2	150.1	100.8	94.6	92.5	84.3	84.3
45°	1145.6	904.9	555.3	290.0	106.9	82.3	72.0	72.0	74.0	80.2	80.2
47.5°	1375.9	1069.5	409.3	207.7	104.9	72.0	63.8	57.6	53.5	51.4	51.4
50°	1781.1	1521.9	522.4	246.8	125.5	74.0	57.6	51.4	49.4	47.3	43.2
52.5°	2077.2	1783.1	689.0	376.4	201.6	94.6	57.6	43.2	32.9	28.8	26.7
55°	2256.1	2011.4	812.4	540.9	327.0	158.4	72.0	39.1	28.8	24.7	22.6
57.5°	2352.8	2038.1	915.2	689.0	481.3	281.8	125.5	47.3	28.8	22.6	22.6
60°	2365.1	2042.2	964.6	787.7	612.9	427.8	238.6	92.5	37.0	26.7	24.7
62.5°	2354.9	2007.3	976.9	826.8	693.1	547.1	376.4	183.0	57.6	30.8	28.8
65°	2336.3	2009.3	921.4	791.8	693.1	586.1	436.0	240.6	82.3	35.0	32.9
67.5°	2274.6	2003.2	890.5	715.7	627.3	524.4	390.8	224.2	94.6	43.2	41.1
70°	2149.2	1929.1	872.0	684.9	588.2	466.9	329.1	178.9	106.9	74.0	80.2
72.5°	2007.3	1795.5	853.5	658.1	573.8	464.8	331.1	193.3	144.0	121.3	129.6
75°	1795.5	1563.0	820.6	631.4	565.6	479.2	335.2	183.0	135.7	109.0	106.9
77.5°	1382.1	1299.8	748.6	565.6	514.2	442.2	285.9	139.9	100.8	76.1	74.0
80°	902.9	892.6	584.1	456.6	434.0	390.8	238.6	109.0	80.2	61.7	57.6
82.5°	510.0	489.5	364.0	287.9	306.4	316.7	193.3	82.3	61.7	49.4	45.2
85°	290.0	294.1	211.8	156.3	158.4	187.2	125.5	57.6	39.1	28.8	26.7
87.5°	199.5	205.7	137.8	104.9	94.6	88.4	65.8	35.0	22.6	14.4	10.3
90°	162.5	162.5	102.8	76.1	65.8	57.6	37.0	20.6	16.5	8.2	6.2
92.5°	131.6	137.8	86.4	61.7	51.4	45.2	28.8	14.4	10.3	6.2	4.1
95°	98.7	104.9	69.9	51.4	41.1	35.0	24.7	12.3	8.2	4.1	4.1
97.5°	67.9	67.9	49.4	39.1	32.9	26.7	18.5	10.3	6.2	4.1	4.1
100°	39.1	41.1	28.8	24.7	22.6	20.6	12.3	8.2	4.1	2.1	2.1
102.5°	20.6	20.6	14.4	14.4	12.3	12.3	10.3	6.2	4.1	2.1	2.1
105°	12.3	12.3	10.3	10.3	8.2	8.2	6.2	4.1	2.1	0.0	2.1
107.5°	10.3	10.3	8.2	8.2	6.2	6.2	4.1	4.1	2.1	0.0	0.0
110°	8.2	8.2	6.2	6.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	2.1	2.1	0.0	0.0
115°	8.2	6.2	6.2	4.1	4.1	4.1	2.1	2.1	0.0	0.0	0.0
117.5°	8.2	6.2	4.1	4.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0
120°	8.2	6.2	4.1	4.1	4.1	4.1	2.1	2.1	0.0	0.0	0.0
122.5°	8.2	6.2	4.1	4.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0
125°	6.2	6.2	4.1	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
127.5°	6.2	6.2	4.1	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
130°	6.2	6.2	4.1	4.1	2.1	2.1	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)