

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: P691423

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691423
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-C016-5TLD-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: 5368 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - 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



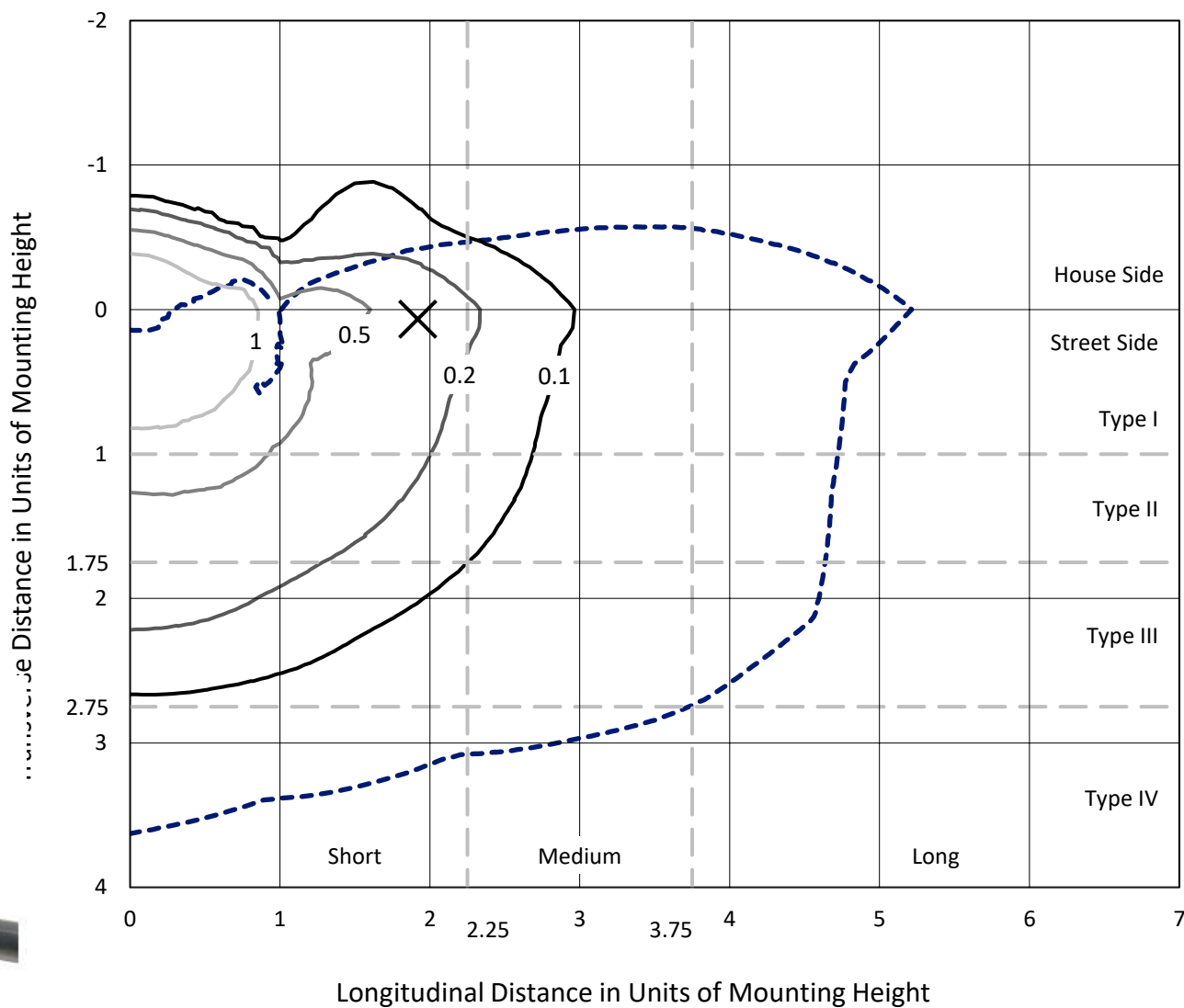
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

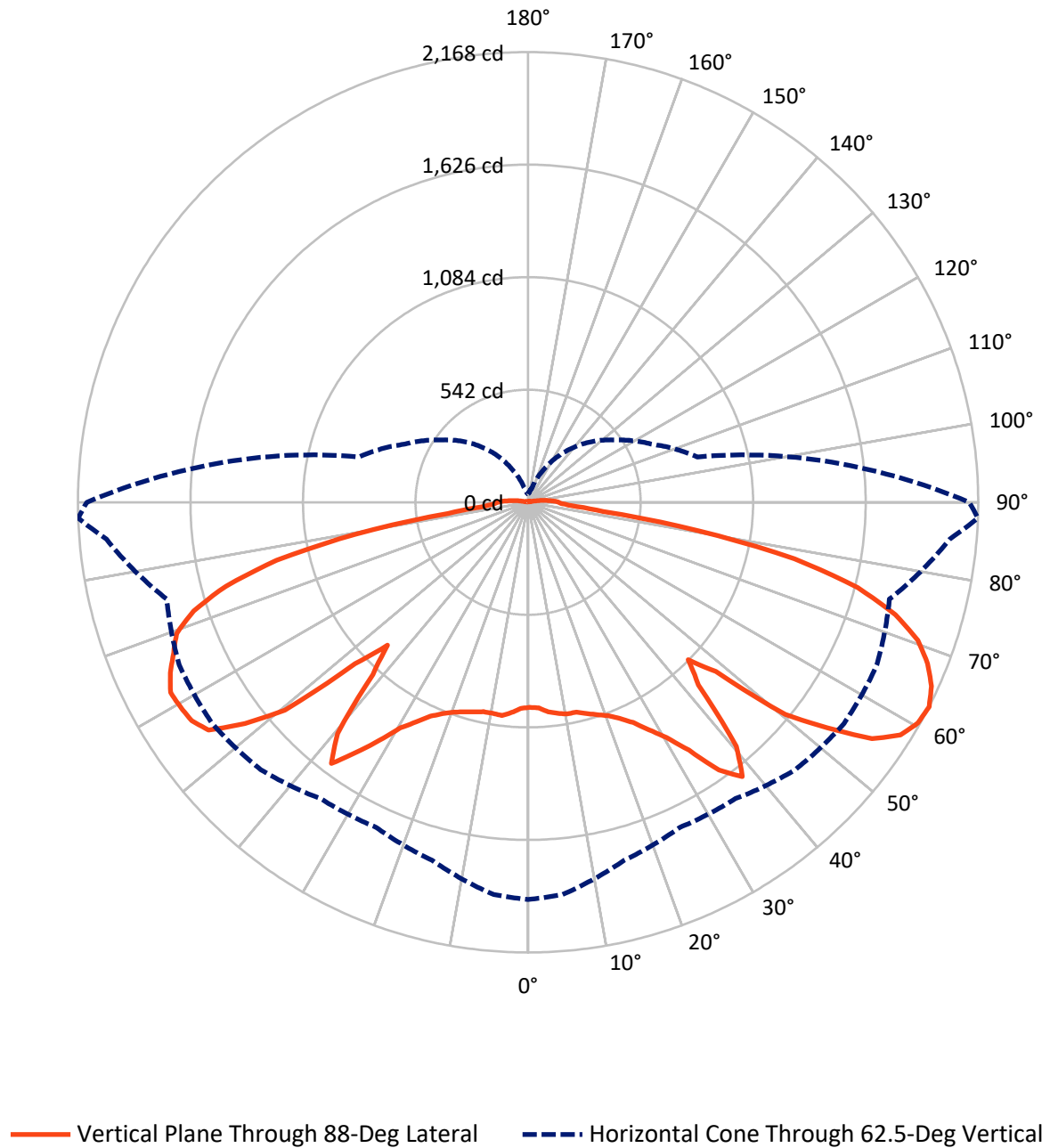


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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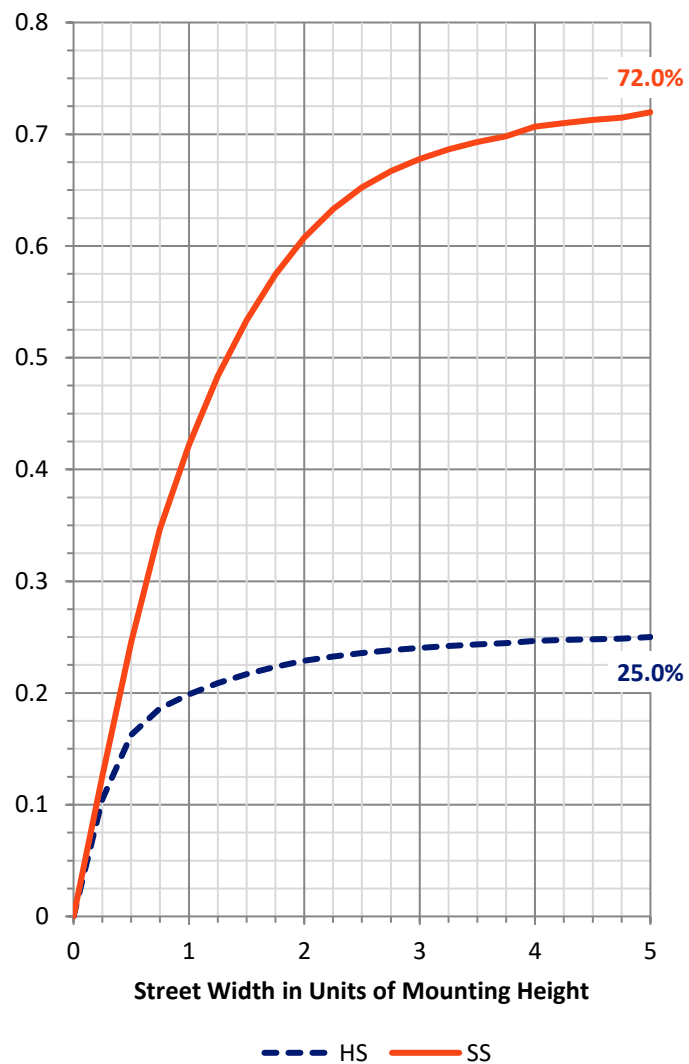
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1365.7	25.8	1391.4
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3913.1	63.5	3976.6
	% Fixture	72.9	1.2	74.1
Total	Lumens	5278.8	89.2	5368.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.8
10°-20°	297.0	5.5
20°-30°	503.1	9.4
30°-40°	694.5	12.9
40°-50°	600.6	11.2
50°-60°	869.6	16.2
60°-70°	1138.3	21.2
70°-80°	863.0	16.1
80°-90°	215.3	4.0
90°-100°	63.3	1.2
100°-110°	14.7	0.3
110°-120°	6.6	0.1
120°-130°	4.3	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°	5278.8	98.3
0°-180°	5368.0	100.0

Coefficient of Utilization



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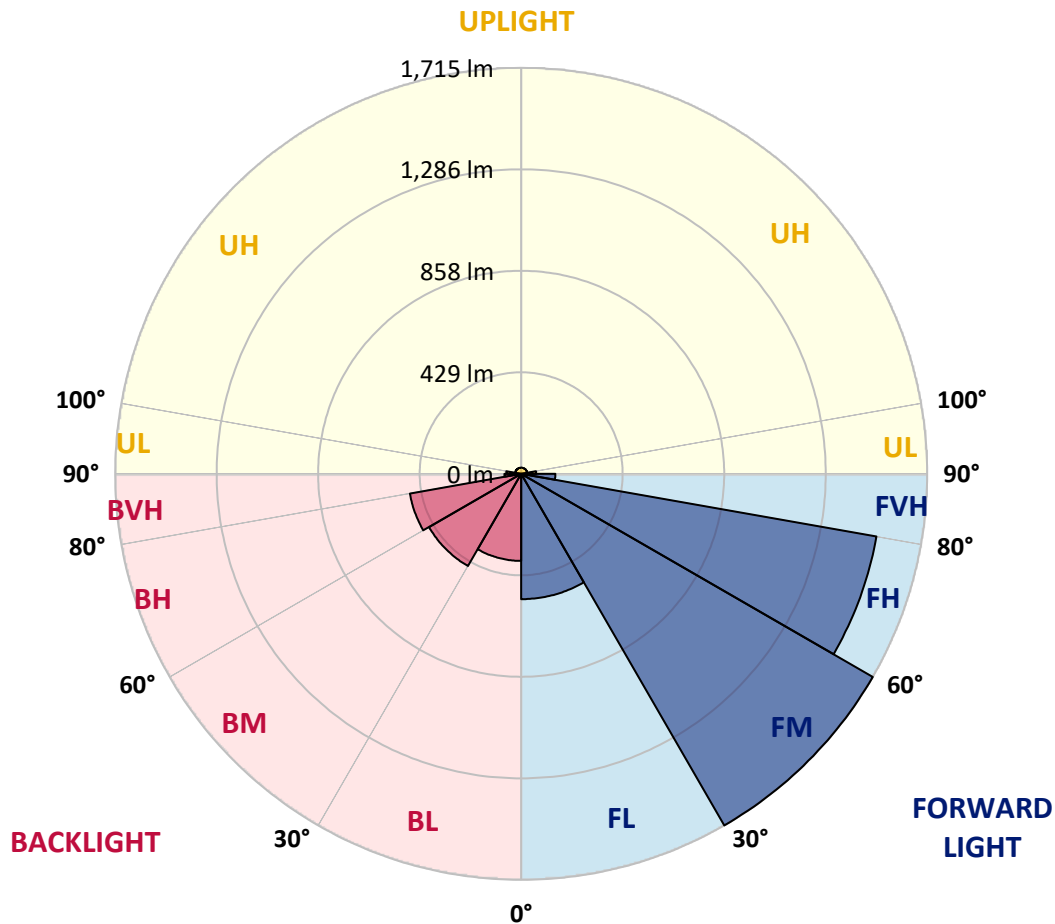
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.6	9.9			
FM	(30°-60°)	1715.1	31.9			
FH	(60°-80°)	1523.9	28.4			G1/1800
FVH	(80°-90°)	144.6	2.7			G2/225
BL	(0°-30°)	367.8	6.9	B1/500		
BM	(30°-60°)	449.7	8.4	B1/1000		
BH	(60°-80°)	477.5	8.9	B1/500		G1/500
BVH	(80°-90°)	70.7	1.3			G1/100
UL	(90°-100°)	63.3	1.2		U3/500	
UH	(100°-180°)	25.9	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2
2.5°	976.9	976.9	974.8	976.9	981.0	985.1	981.0	983.0	985.1	989.2	991.3
5°	1013.9	1011.8	1007.7	1003.6	999.5	999.5	995.4	993.3	997.4	1009.8	1013.9
7.5°	1044.7	1038.6	1034.5	1036.5	1030.3	1020.1	1011.8	1007.7	1003.6	1020.1	1026.2
10°	1094.1	1090.0	1075.6	1063.2	1055.0	1038.6	1020.1	1018.0	1015.9	1032.4	1036.5
12.5°	1143.5	1139.3	1131.1	1118.8	1092.0	1077.6	1048.9	1036.5	1034.5	1044.7	1036.5
15°	1215.4	1207.2	1184.6	1172.2	1145.5	1122.9	1087.9	1069.4	1073.5	1059.1	1055.0
17.5°	1256.6	1252.5	1250.4	1231.9	1211.3	1172.2	1139.3	1112.6	1120.8	1087.9	1075.6
20°	1301.8	1299.8	1303.9	1305.9	1279.2	1244.2	1203.1	1162.0	1164.0	1120.8	1096.2
22.5°	1359.4	1353.2	1361.5	1371.7	1349.1	1320.3	1266.8	1233.9	1217.5	1159.9	1131.1
25°	1427.3	1425.2	1425.2	1443.7	1439.6	1400.5	1349.1	1312.1	1295.6	1217.5	1174.3
27.5°	1497.2	1499.2	1503.4	1515.7	1521.9	1499.2	1449.9	1417.0	1386.1	1283.3	1240.1
30°	1542.4	1542.4	1571.2	1589.7	1598.0	1598.0	1538.3	1513.6	1482.8	1367.6	1314.1
32.5°	1598.0	1602.1	1628.8	1659.7	1672.0	1688.4	1639.1	1620.6	1593.8	1472.5	1423.1
35°	1637.0	1643.2	1684.3	1731.6	1764.5	1772.8	1744.0	1752.2	1739.9	1610.3	1583.6
37.5°	1466.3	1482.8	1544.5	1637.0	1725.5	1811.8	1842.7	1883.8	1890.0	1739.9	1676.1
40°	1277.1	1283.3	1353.2	1421.1	1530.1	1600.0	1678.2	1768.7	1719.3	1556.8	1544.5
42.5°	1133.2	1159.9	1256.6	1308.0	1392.3	1408.8	1369.7	1312.1	1223.7	1209.3	1203.1
45°	1108.5	1135.2	1231.9	1316.2	1357.3	1155.8	1046.8	970.7	1005.7	1092.0	1081.8
47.5°	1223.7	1256.6	1357.3	1454.0	1369.7	1145.5	1073.5	1071.5	1042.7	1190.8	1217.5
50°	1293.6	1320.3	1437.5	1435.5	1367.6	1258.6	1297.7	1254.5	1203.1	1456.1	1606.2
52.5°	1328.5	1353.2	1394.4	1445.8	1451.9	1443.7	1454.0	1419.0	1340.9	1690.5	1803.6
55°	1231.9	1293.6	1472.5	1560.9	1598.0	1575.3	1581.5	1556.8	1505.4	1836.5	2009.3
57.5°	1542.4	1575.3	1641.1	1663.8	1686.4	1676.1	1684.3	1676.1	1628.8	1945.5	2114.2
60°	1721.4	1721.4	1750.1	1713.1	1725.5	1760.4	1785.1	1785.1	1735.7	2025.7	2157.3
62.5°	1912.6	1896.2	1785.1	1727.5	1741.9	1820.1	1857.1	1853.0	1801.6	2038.1	2167.6
65°	1875.6	1846.8	1807.7	1682.3	1698.7	1807.7	1859.1	1857.1	1803.6	1992.8	2134.7
67.5°	1600.0	1626.7	1674.0	1663.8	1622.6	1748.1	1828.3	1832.4	1770.7	1916.7	2075.1
70°	1386.1	1402.6	1431.4	1517.8	1536.3	1665.8	1793.3	1811.8	1729.6	1828.3	1990.8
72.5°	1207.2	1217.5	1194.9	1283.3	1349.1	1519.8	1669.9	1704.9	1620.6	1676.1	1848.9
75°	1032.4	1009.8	983.0	1022.1	1073.5	1254.5	1437.5	1507.5	1433.4	1468.4	1639.1
77.5°	802.1	769.2	742.4	752.7	800.0	956.3	1133.2	1244.2	1178.4	1176.4	1312.1
80°	547.0	518.3	499.7	495.6	530.6	627.3	754.8	886.4	828.8	773.3	832.9
82.5°	341.4	341.4	324.9	300.3	298.2	316.7	341.4	374.3	353.7	345.5	364.0
85°	213.9	215.9	207.7	181.0	174.8	178.9	191.3	199.5	193.3	199.5	205.7
87.5°	150.1	148.1	137.8	133.7	131.6	137.8	148.1	152.2	152.2	158.4	158.4
90°	113.1	113.1	106.9	104.9	104.9	111.1	121.3	129.6	135.7	146.0	146.0
92.5°	94.6	94.6	90.5	88.4	88.4	90.5	98.7	109.0	115.2	125.5	121.3
95°	78.1	78.1	76.1	76.1	76.1	78.1	82.3	88.4	90.5	90.5	90.5
97.5°	61.7	59.6	57.6	57.6	57.6	59.6	61.7	67.9	69.9	63.8	63.8
100°	43.2	41.1	39.1	41.1	41.1	41.1	43.2	45.2	45.2	41.1	39.1
102.5°	26.7	26.7	26.7	26.7	24.7	24.7	24.7	24.7	22.6	20.6	20.6
105°	18.5	18.5	16.5	16.5	16.5	16.5	14.4	14.4	14.4	12.3	12.3
107.5°	14.4	14.4	14.4	14.4	14.4	12.3	12.3	12.3	12.3	10.3	10.3
110°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.3	10.3	8.2	8.2

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	12.3	12.3	12.3	12.3	12.3	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°	10.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2	8.2	10.3	8.2
120°	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
122.5°	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
125°	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	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	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	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°	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2	987.2
2.5°	991.3	995.4	1003.6	1013.9	1022.1	1028.3	1032.4	1036.5	1036.5	1032.4	1036.5
5°	1013.9	1018.0	1032.4	1042.7	1042.7	1036.5	1032.4	1030.3	1034.5	1036.5	1040.6
7.5°	1032.4	1036.5	1030.3	1034.5	1038.6	1032.4	1024.2	1018.0	1011.8	1005.7	1009.8
10°	1034.5	1024.2	1024.2	1020.1	1005.7	1007.7	1005.7	995.4	987.2	989.2	991.3
12.5°	1032.4	1028.3	1011.8	1003.6	997.4	976.9	968.6	974.8	962.5	968.6	960.4
15°	1050.9	1030.3	1013.9	993.3	970.7	960.4	946.0	925.5	917.2	919.3	921.3
17.5°	1063.2	1042.7	1003.6	966.6	954.2	921.3	904.9	894.6	880.2	882.3	890.5
20°	1083.8	1053.0	997.4	958.4	898.7	876.1	855.5	843.2	830.9	812.3	804.1
22.5°	1112.6	1073.5	989.2	917.2	865.8	826.7	781.5	750.6	734.2	721.9	719.8
25°	1149.6	1104.4	991.3	898.7	816.5	758.9	719.8	666.3	627.3	623.1	629.3
27.5°	1217.5	1139.3	1003.6	869.9	775.3	686.9	614.9	577.9	532.7	522.4	522.4
30°	1283.3	1194.9	995.4	845.3	705.4	606.7	510.0	440.1	415.4	396.9	394.9
32.5°	1404.6	1273.0	1038.6	808.2	641.7	487.4	380.5	304.4	287.9	281.8	279.7
35°	1515.7	1380.0	1042.7	760.9	547.0	378.4	273.5	222.1	211.8	205.7	203.6
37.5°	1635.0	1482.8	1083.8	721.9	454.5	267.4	197.4	158.4	146.0	137.8	133.7
40°	1497.2	1359.4	1065.3	656.0	337.3	170.7	123.4	86.4	74.0	74.0	74.0
42.5°	1172.2	1032.4	806.2	530.6	197.4	98.7	61.7	59.6	61.7	63.8	63.8
45°	1038.6	855.5	493.6	281.8	82.3	55.5	49.4	47.3	53.5	59.6	61.7
47.5°	1221.6	1018.0	380.5	197.4	88.4	55.5	45.2	45.2	43.2	39.1	39.1
50°	1651.4	1373.8	436.0	226.2	111.1	61.7	45.2	39.1	39.1	41.1	43.2
52.5°	1863.3	1530.1	514.1	294.1	162.5	84.3	49.4	39.1	35.0	28.8	28.8
55°	2046.3	1653.5	608.7	380.5	238.6	131.6	69.9	41.1	35.0	28.8	26.7
57.5°	2105.9	1667.9	709.5	479.2	324.9	205.7	121.3	57.6	37.0	30.8	28.8
60°	2114.2	1684.3	785.6	584.1	423.7	300.3	199.5	104.9	47.3	37.0	35.0
62.5°	2124.4	1688.4	843.2	660.2	522.4	407.2	287.9	166.6	72.0	43.2	41.1
65°	2087.4	1639.1	828.8	643.7	551.2	450.4	331.1	195.4	82.3	49.4	47.3
67.5°	2025.7	1595.9	769.2	592.3	497.7	392.8	283.8	158.4	76.1	57.6	55.5
70°	1976.4	1552.7	738.3	588.2	460.7	343.4	228.3	115.2	90.5	78.1	74.0
72.5°	1855.0	1449.9	713.6	586.1	460.7	335.2	222.1	123.4	123.4	125.5	117.2
75°	1651.4	1295.6	676.6	569.7	450.4	333.2	213.9	133.7	133.7	119.3	113.1
77.5°	1363.5	1061.2	598.5	520.3	409.3	294.1	174.8	111.1	106.9	92.5	88.4
80°	902.8	760.9	477.1	429.8	337.3	236.5	129.6	86.4	80.2	67.9	63.8
82.5°	405.1	364.0	302.3	304.4	242.7	168.6	88.4	59.6	55.5	45.2	43.2
85°	222.1	209.8	164.5	144.0	123.4	88.4	51.4	39.1	32.9	24.7	24.7
87.5°	168.6	162.5	121.3	94.6	72.0	51.4	32.9	24.7	18.5	12.3	10.3
90°	154.2	146.0	98.7	76.1	57.6	41.1	26.7	16.5	12.3	8.2	6.2
92.5°	129.6	123.4	80.2	63.8	49.4	37.0	22.6	12.3	8.2	4.1	4.1
95°	94.6	92.5	59.6	49.4	39.1	30.8	18.5	10.3	6.2	4.1	2.1
97.5°	63.8	61.7	43.2	37.0	30.8	22.6	14.4	8.2	4.1	2.1	2.1
100°	39.1	39.1	26.7	24.7	20.6	16.5	10.3	6.2	4.1	2.1	2.1
102.5°	20.6	18.5	14.4	14.4	12.3	10.3	8.2	4.1	2.1	0.0	0.0
105°	12.3	10.3	10.3	8.2	8.2	6.2	6.2	4.1	2.1	0.0	0.0
107.5°	10.3	8.2	8.2	6.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0
110°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	2.1	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°	8.2	6.2	6.2	4.1	4.1	4.1	2.1	2.1	0.0	0.0	0.0
115°	8.2	6.2	4.1	4.1	4.1	2.1	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	2.1	2.1	2.1	2.1	0.0	0.0	0.0
122.5°	8.2	6.2	4.1	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
125°	6.2	4.1	4.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
127.5°	6.2	4.1	4.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
130°	4.1	4.1	4.1	2.1	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)