

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: P691483

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691483
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-D-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: 4932 lumens
Efficiency: N/A
Efficacy: 118.6 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): 41.6
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



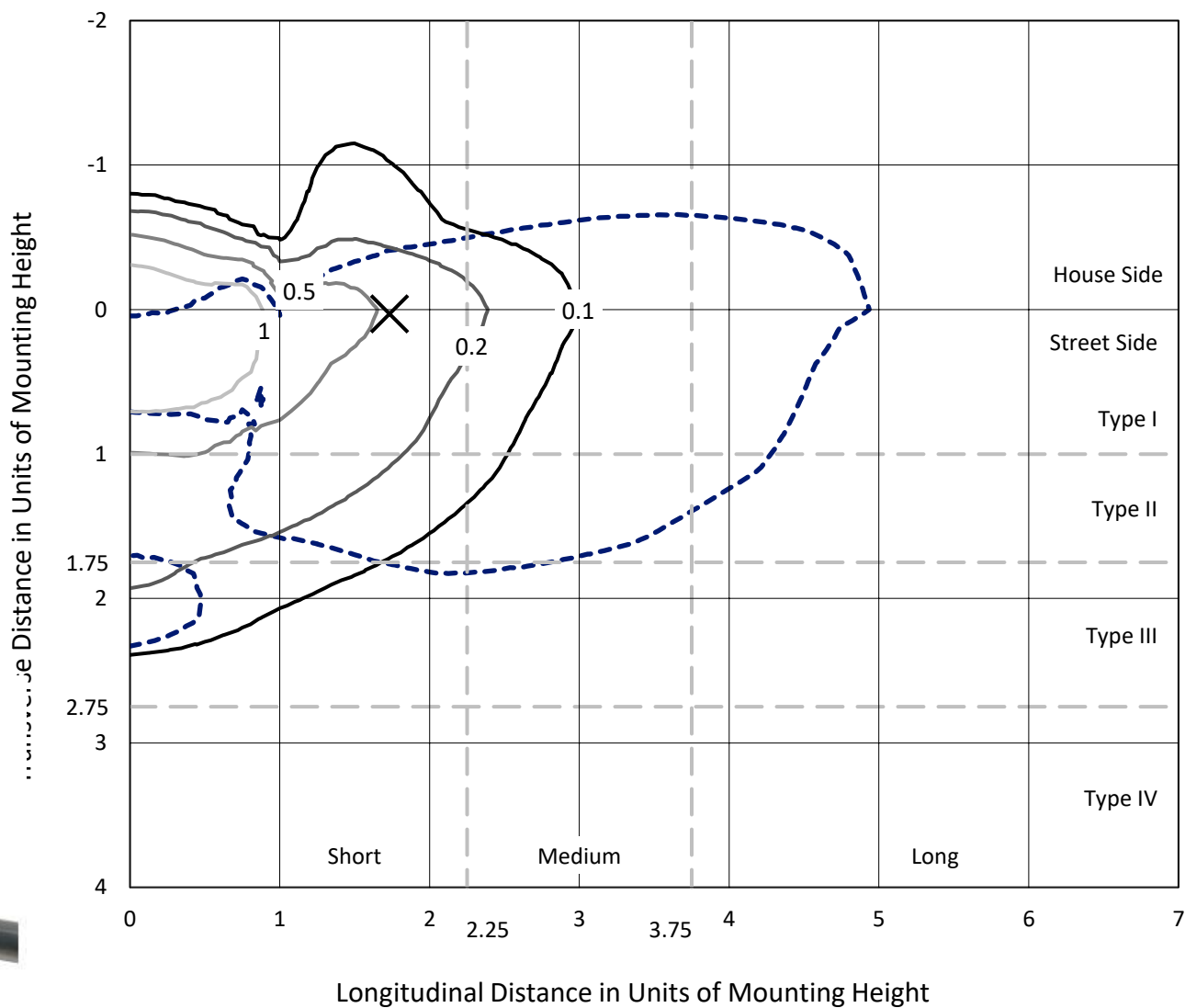
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

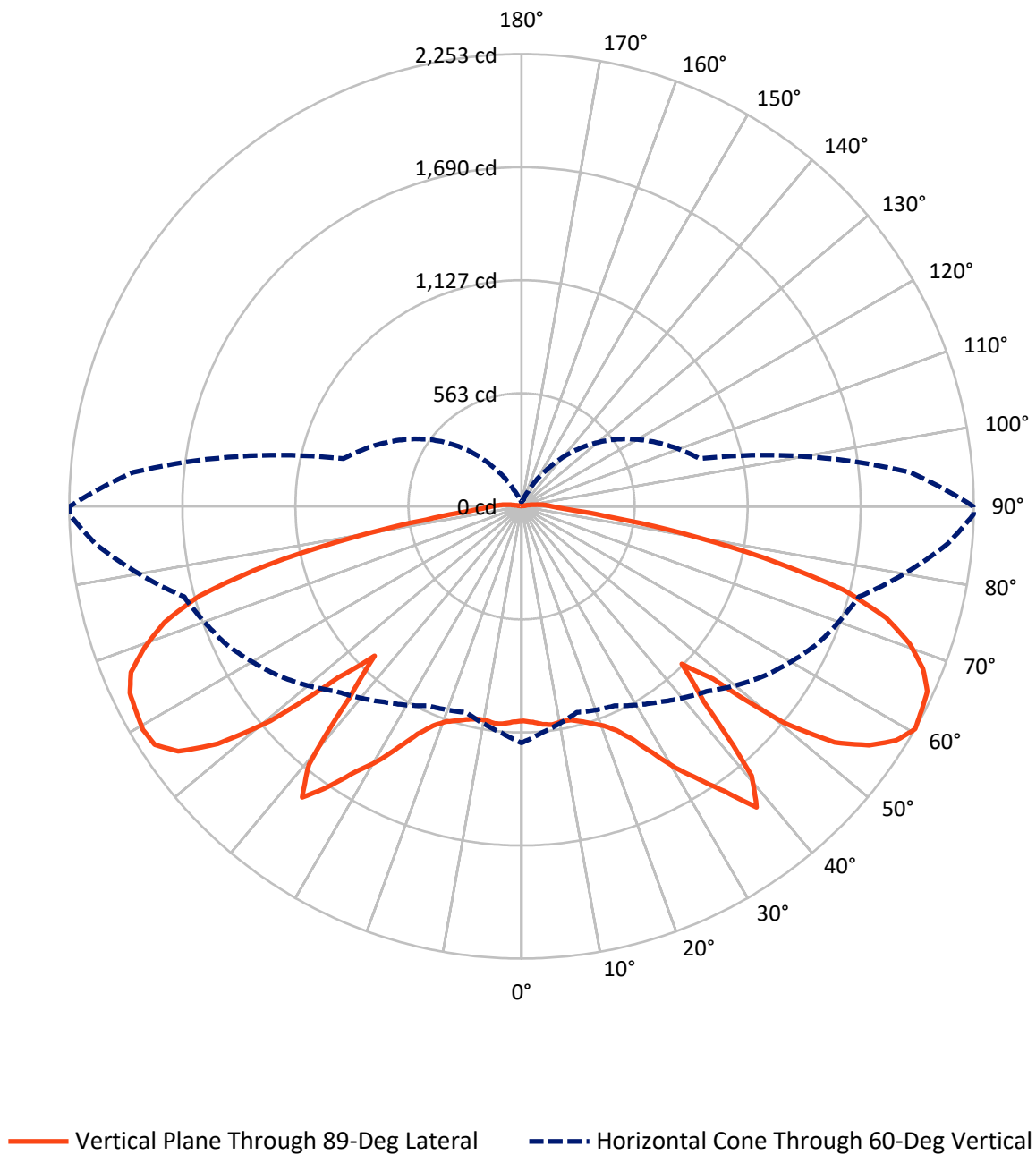


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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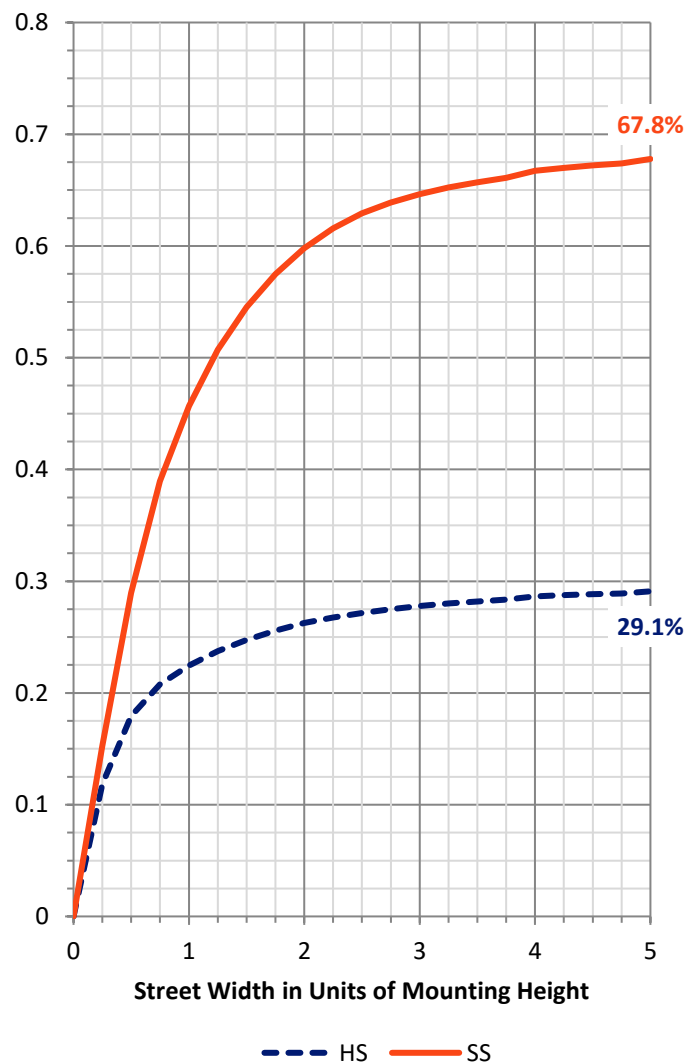
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1464.1	27.5	1491.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3387.4	53.0	3440.4
	% Fixture	68.7	1.1	69.8
Total	Lumens	4851.5	80.5	4932.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	2.1
10°-20°	303.3	6.2
20°-30°	500.7	10.2
30°-40°	679.2	13.8
40°-50°	565.8	11.5
50°-60°	783.5	15.9
60°-70°	965.7	19.6
70°-80°	731.2	14.8
80°-90°	219.4	4.4
90°-100°	56.9	1.2
100°-110°	13.0	0.3
110°-120°	6.1	0.1
120°-130°	4.1	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°	4851.5	98.4
0°-180°	4932.0	100.0

Coefficient of Utilization



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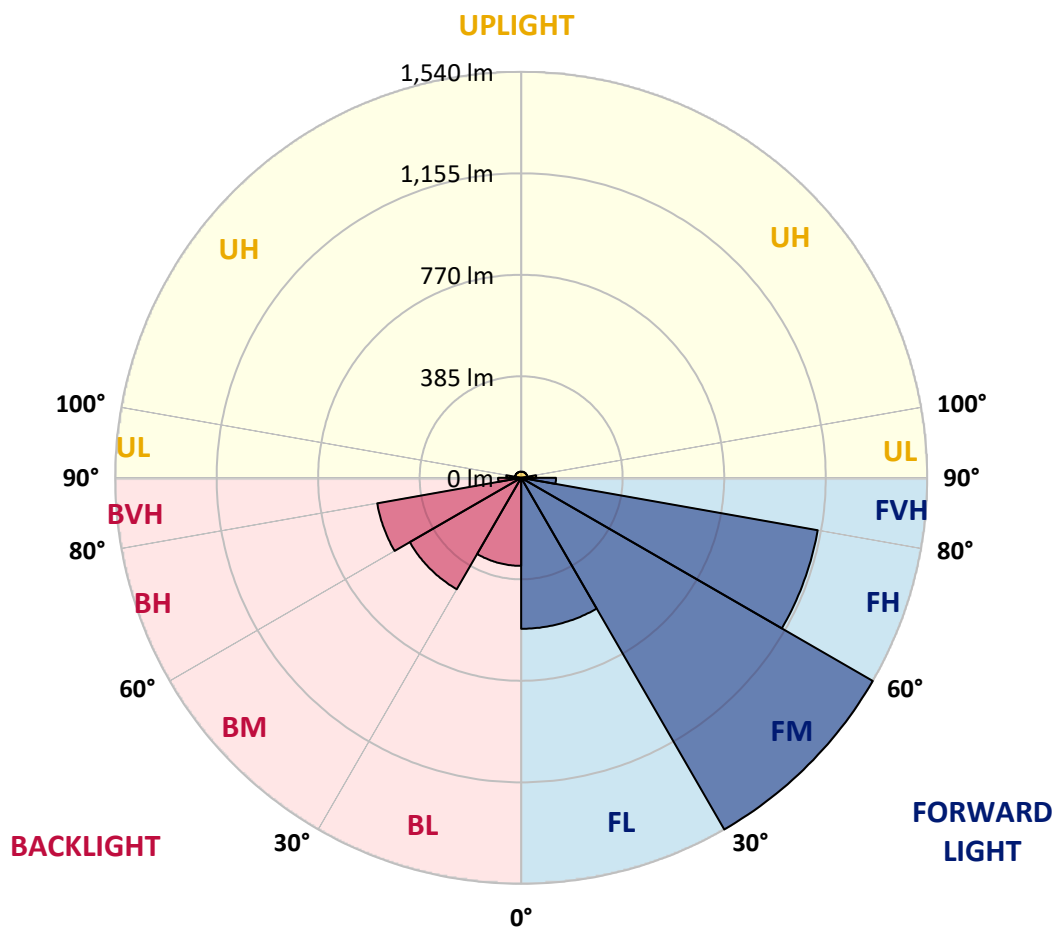
CATALOG NUMBER: CRTK2-C016-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	572.9	11.6			
FM	(30°-60°)	1540.3	31.2			
FH	(60°-80°)	1142.3	23.2			G1/1800
FVH	(80°-90°)	131.9	2.7			G2/225
BL	(0°-30°)	333.9	6.8	B1/500		
BM	(30°-60°)	488.1	9.9	B1/1000		
BH	(60°-80°)	554.6	11.2	B2/1000		G2/1000
BVH	(80°-90°)	87.5	1.8			G1/100
UL	(90°-100°)	56.9	1.2		U3/500	
UH	(100°-180°)	23.6	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0
2.5°	1121.8	1115.9	1115.9	1115.9	1104.2	1104.2	1096.4	1092.5	1084.6	1078.7	1076.8
5°	1186.4	1182.5	1182.5	1180.6	1168.8	1161.0	1145.3	1131.6	1119.9	1100.3	1090.5
7.5°	1237.3	1231.5	1231.5	1229.5	1217.8	1208.0	1190.3	1159.0	1135.5	1114.0	1098.3
10°	1255.0	1253.0	1251.0	1245.2	1235.4	1227.5	1211.9	1182.5	1145.3	1110.1	1090.5
12.5°	1288.2	1288.2	1282.4	1274.5	1266.7	1258.9	1237.3	1213.8	1172.7	1117.9	1092.5
15°	1331.3	1327.4	1323.5	1319.6	1313.7	1301.9	1282.4	1253.0	1206.0	1139.4	1112.0
17.5°	1348.9	1347.0	1347.0	1348.9	1347.0	1339.1	1335.2	1301.9	1253.0	1168.8	1137.5
20°	1352.8	1354.8	1358.7	1372.4	1376.3	1372.4	1378.3	1358.7	1301.9	1208.0	1166.8
22.5°	1376.3	1380.3	1388.1	1401.8	1407.7	1413.5	1419.4	1435.1	1378.3	1268.7	1211.9
25°	1366.5	1370.5	1394.0	1415.5	1437.0	1454.6	1491.8	1527.1	1486.0	1358.7	1286.3
27.5°	1341.1	1348.9	1390.0	1433.1	1486.0	1533.0	1601.5	1644.6	1611.3	1472.3	1390.0
30°	1362.6	1362.6	1390.0	1452.7	1521.2	1626.9	1717.0	1765.9	1742.4	1581.9	1511.4
32.5°	1317.6	1329.3	1386.1	1480.1	1585.8	1720.9	1809.0	1895.2	1903.0	1728.7	1619.1
35°	1178.6	1198.2	1245.2	1370.5	1533.0	1767.9	1922.6	2038.1	2075.3	1904.9	1744.4
37.5°	971.1	984.8	1067.0	1192.3	1386.1	1611.3	1859.9	2122.3	2226.0	2018.5	1903.0
40°	859.5	869.3	918.2	1022.0	1200.1	1417.4	1613.2	1865.8	1922.6	1842.3	1765.9
42.5°	822.3	837.9	898.6	994.6	1139.4	1292.1	1323.5	1417.4	1388.1	1397.9	1331.3
45°	873.2	879.1	924.1	1008.3	1096.4	1137.5	1096.4	1161.0	1192.3	1186.4	1119.9
47.5°	898.6	908.4	957.4	1065.0	1065.0	1067.0	1117.9	1157.1	1247.1	1331.3	1284.3
50°	771.4	785.1	875.1	961.3	975.0	1137.5	1270.6	1347.0	1440.9	1666.1	1693.5
52.5°	726.3	736.1	834.0	1006.3	1106.2	1272.6	1354.8	1425.3	1505.5	1877.5	1953.9
55°	794.9	812.5	928.0	1106.2	1215.8	1315.6	1421.4	1523.2	1609.3	2043.9	2100.7
57.5°	918.2	951.5	1022.0	1121.8	1225.6	1315.6	1456.6	1581.9	1695.5	2108.6	2200.6
60°	1178.6	1133.6	1063.1	1096.4	1190.3	1303.9	1474.2	1625.0	1740.5	2132.0	2253.4
62.5°	1300.0	1266.7	1094.4	1049.4	1131.6	1262.8	1440.9	1625.0	1724.8	2087.0	2237.8
65°	1256.9	1229.5	1106.2	994.6	1059.2	1206.0	1390.0	1601.5	1689.6	2030.2	2222.1
67.5°	1070.9	1043.5	1004.4	963.2	990.6	1149.2	1343.1	1558.4	1650.4	1983.3	2157.5
70°	871.2	855.6	841.9	873.2	924.1	1063.1	1249.1	1462.5	1572.1	1869.7	2051.8
72.5°	742.0	732.2	708.7	740.0	820.3	947.6	1108.1	1321.5	1452.7	1677.8	1901.0
75°	630.4	624.5	616.7	632.4	683.3	802.7	930.0	1139.4	1298.0	1464.4	1652.4
77.5°	511.0	503.2	520.8	524.7	563.8	650.0	732.2	906.5	1082.7	1149.2	1233.4
80°	372.0	379.8	409.2	397.4	426.8	456.2	514.9	591.3	730.3	804.7	810.5
82.5°	260.4	268.2	295.6	266.3	274.1	276.1	297.6	325.0	381.8	444.4	452.3
85°	184.0	187.9	193.8	172.3	172.3	172.3	186.0	201.7	231.0	256.5	262.3
87.5°	131.2	131.2	139.0	131.2	129.2	127.3	135.1	141.0	158.6	176.2	180.1
90°	97.9	97.9	101.8	97.9	97.9	97.9	105.7	111.6	127.3	142.9	144.9
92.5°	70.5	70.5	76.4	74.4	74.4	76.4	84.2	88.1	101.8	117.5	119.4
95°	54.8	54.8	58.7	56.8	56.8	60.7	66.6	70.5	80.3	88.1	90.1
97.5°	39.2	39.2	41.1	41.1	41.1	41.1	45.0	50.9	62.6	62.6	60.7
100°	27.4	27.4	29.4	27.4	27.4	29.4	29.4	33.3	39.2	37.2	37.2
102.5°	19.6	19.6	19.6	19.6	19.6	17.6	17.6	19.6	21.5	19.6	19.6
105°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	11.7
107.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.8	9.8
110°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	7.8

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	7.8	7.8
115°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	7.8	7.8
117.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
120°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
122.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
125°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8	5.9
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
130°	5.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	3.9
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°	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0
2.5°	1074.8	1070.9	1059.2	1045.5	1033.7	1023.9	1014.1	1006.3	1004.4	1000.4	1004.4
5°	1088.5	1074.8	1047.4	1029.8	1014.1	998.5	982.8	975.0	969.1	965.2	965.2
7.5°	1094.4	1074.8	1043.5	1020.0	986.7	953.4	933.9	918.2	912.3	918.2	918.2
10°	1084.6	1061.1	1023.9	988.7	943.7	916.3	888.8	875.1	867.3	867.3	861.4
12.5°	1088.5	1061.1	1006.3	953.4	916.3	867.3	834.0	818.4	806.6	810.5	810.5
15°	1104.2	1067.0	990.6	937.8	873.2	834.0	792.9	783.1	781.2	775.3	771.4
17.5°	1127.7	1072.9	986.7	902.5	836.0	789.0	749.8	732.2	722.4	716.6	714.6
20°	1153.1	1080.7	975.0	869.3	796.8	736.1	689.1	665.7	657.8	657.8	653.9
22.5°	1196.2	1108.1	965.2	853.6	744.0	683.3	636.3	603.0	587.3	585.4	583.4
25°	1266.7	1161.0	975.0	818.4	712.6	622.6	569.7	540.4	522.7	516.9	516.9
27.5°	1374.4	1233.4	988.7	798.8	648.0	565.8	507.1	462.0	436.6	438.5	440.5
30°	1489.9	1341.1	1027.8	767.5	606.9	485.5	415.1	379.8	356.3	348.5	344.6
32.5°	1583.9	1452.7	1084.6	742.0	530.6	387.6	327.0	301.5	276.1	254.5	246.7
35°	1728.7	1546.7	1133.6	704.8	467.9	317.2	264.3	225.1	203.6	193.8	189.9
37.5°	1859.9	1638.7	1170.8	697.0	379.8	272.1	209.5	168.4	146.8	144.9	144.9
40°	1701.3	1523.2	1143.4	634.3	299.5	211.4	150.8	119.4	103.8	95.9	95.9
42.5°	1301.9	1166.8	871.2	528.6	215.4	142.9	95.9	90.1	88.1	80.3	80.3
45°	1090.5	861.4	528.6	276.1	101.8	78.3	68.5	68.5	70.5	76.4	76.4
47.5°	1309.8	1018.1	389.6	197.7	99.8	68.5	60.7	54.8	50.9	48.9	48.9
50°	1695.5	1448.8	497.3	234.9	119.4	70.5	54.8	48.9	47.0	45.0	41.1
52.5°	1977.4	1697.4	655.9	358.3	191.9	90.1	54.8	41.1	31.3	27.4	25.5
55°	2147.7	1914.7	773.3	514.9	311.3	150.8	68.5	37.2	27.4	23.5	21.5
57.5°	2239.7	1940.2	871.2	655.9	458.1	268.2	119.4	45.0	27.4	21.5	21.5
60°	2251.5	1944.1	918.2	749.8	583.4	407.2	227.1	88.1	35.2	25.5	23.5
62.5°	2241.7	1910.8	930.0	787.0	659.8	520.8	358.3	174.2	54.8	29.4	27.4
65°	2224.1	1912.8	877.1	753.8	659.8	558.0	415.1	229.1	78.3	33.3	31.3
67.5°	2165.3	1906.9	847.7	681.3	597.1	499.2	372.0	213.4	90.1	41.1	39.2
70°	2045.9	1836.4	830.1	651.9	559.9	444.4	313.2	170.3	101.8	70.5	76.4
72.5°	1910.8	1709.2	812.5	626.5	546.2	442.5	315.2	184.0	137.0	115.5	123.3
75°	1709.2	1487.9	781.2	601.0	538.4	456.2	319.1	174.2	129.2	103.8	101.8
77.5°	1315.6	1237.3	712.6	538.4	489.5	420.9	272.1	133.1	95.9	72.4	70.5
80°	859.5	849.7	556.0	434.6	413.1	372.0	227.1	103.8	76.4	58.7	54.8
82.5°	485.5	466.0	346.5	274.1	291.7	301.5	184.0	78.3	58.7	47.0	43.1
85°	276.1	280.0	201.7	148.8	150.8	178.2	119.4	54.8	37.2	27.4	25.5
87.5°	189.9	195.8	131.2	99.8	90.1	84.2	62.6	33.3	21.5	13.7	9.8
90°	154.7	154.7	97.9	72.4	62.6	54.8	35.2	19.6	15.7	7.8	5.9
92.5°	125.3	131.2	82.2	58.7	48.9	43.1	27.4	13.7	9.8	5.9	3.9
95°	94.0	99.8	66.6	48.9	39.2	33.3	23.5	11.7	7.8	3.9	3.9
97.5°	64.6	64.6	47.0	37.2	31.3	25.5	17.6	9.8	5.9	3.9	3.9
100°	37.2	39.2	27.4	23.5	21.5	19.6	11.7	7.8	3.9	2.0	2.0
102.5°	19.6	19.6	13.7	13.7	11.7	11.7	9.8	5.9	3.9	2.0	2.0
105°	11.7	11.7	9.8	9.8	7.8	7.8	5.9	3.9	2.0	0.0	2.0
107.5°	9.8	9.8	7.8	7.8	5.9	5.9	3.9	3.9	2.0	0.0	0.0
110°	7.8	7.8	5.9	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	7.8	5.9	5.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
115°	7.8	5.9	5.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
117.5°	7.8	5.9	3.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0
120°	7.8	5.9	3.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
122.5°	7.8	5.9	3.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0
125°	5.9	5.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	5.9	5.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	5.9	5.9	3.9	3.9	2.0	2.0	2.0	2.0	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)