

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: P691699

Luminaire Tested: **CRTK2-C018-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691699
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-C018-D-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: 5961 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 50.4
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



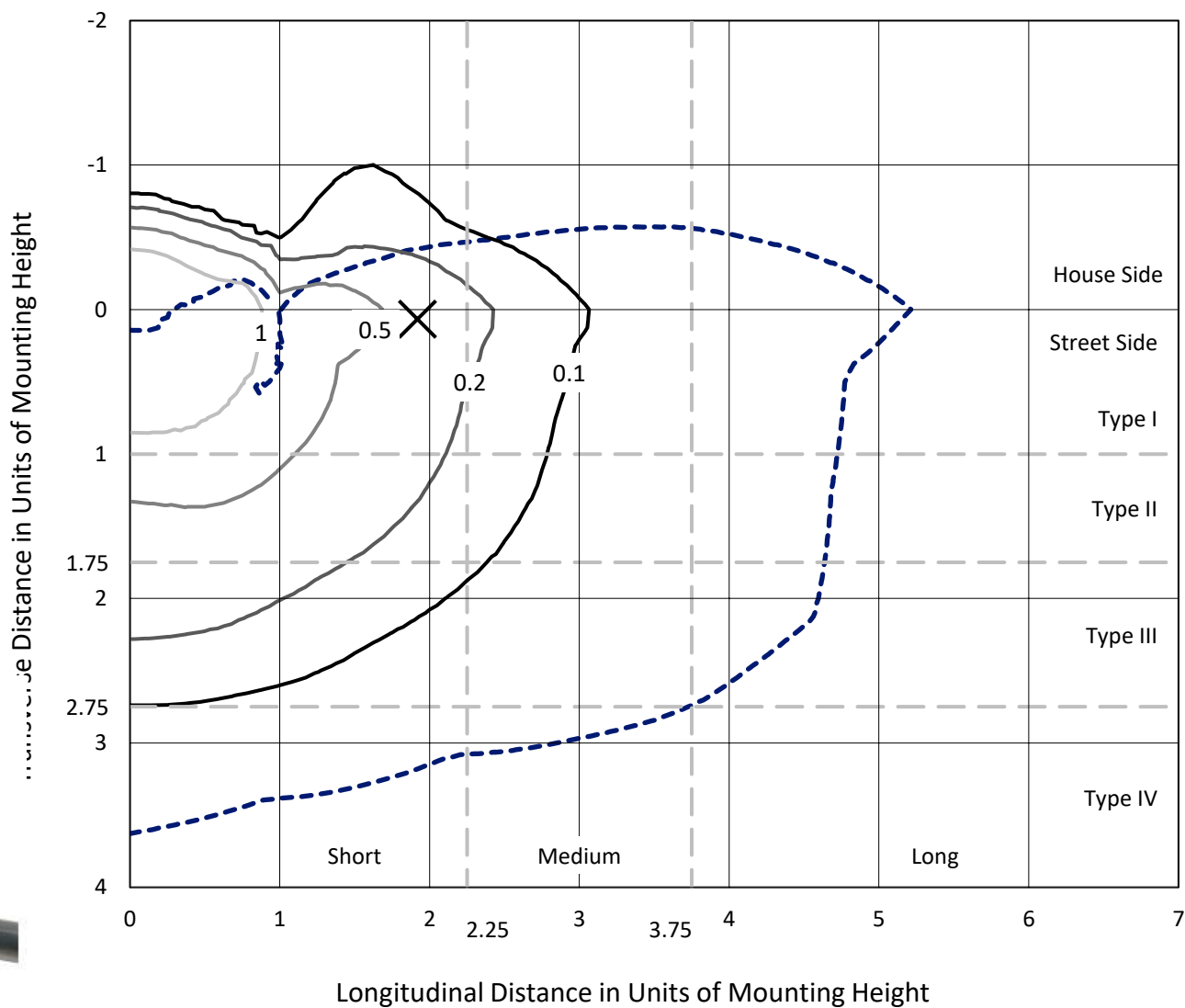
REPORT NUMBER: P691699

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

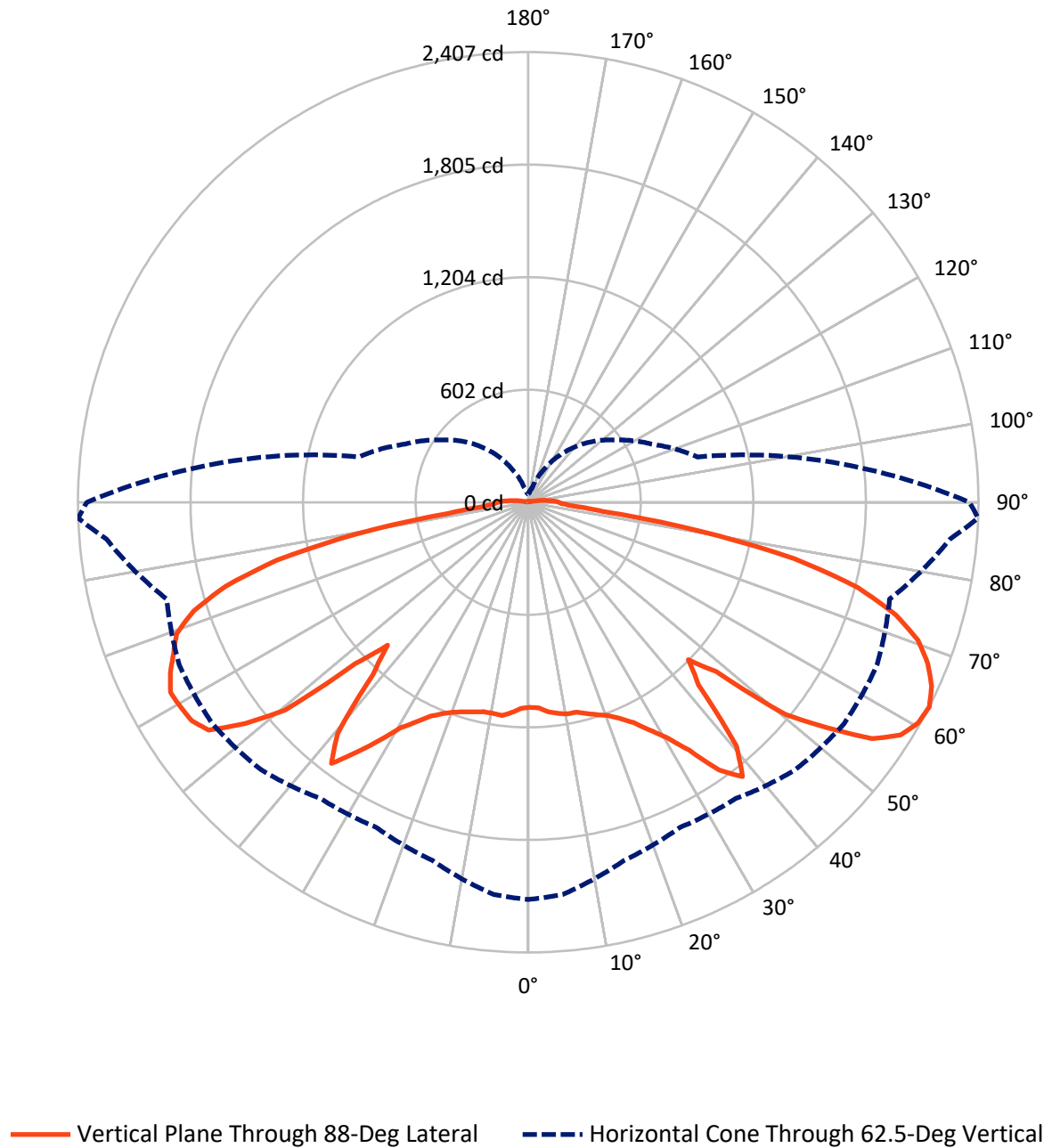


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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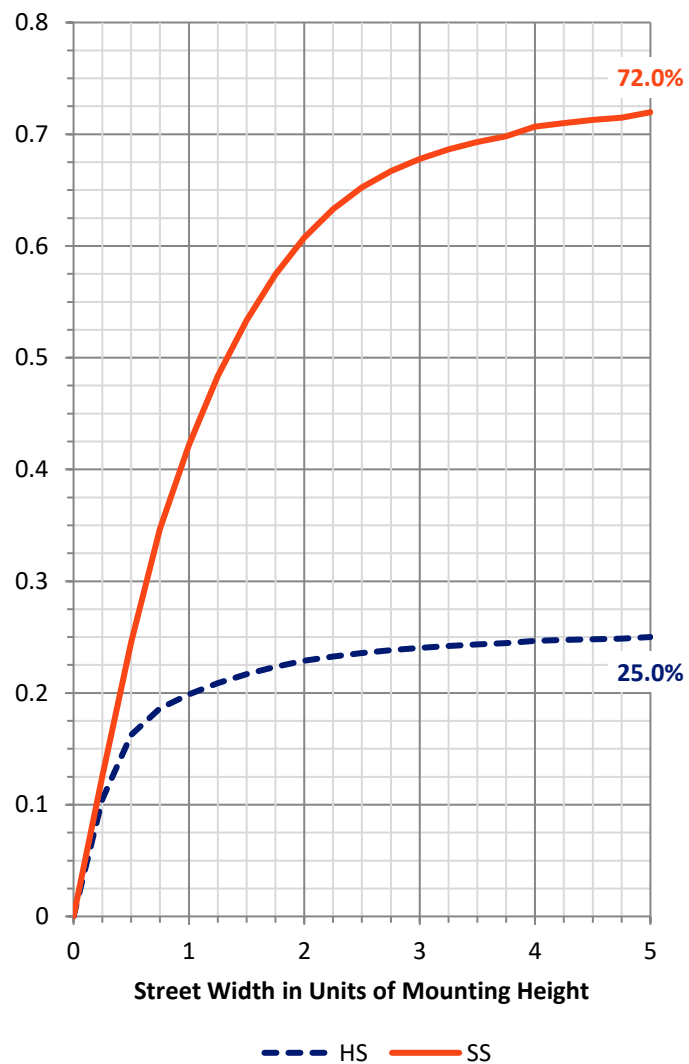
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1516.5	28.6	1545.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	4345.4	70.5	4415.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	5861.9	99.1	5961.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	1.8
10°-20°	329.8	5.5
20°-30°	558.7	9.4
30°-40°	771.2	12.9
40°-50°	667.0	11.2
50°-60°	965.7	16.2
60°-70°	1264.0	21.2
70°-80°	958.4	16.1
80°-90°	239.1	4.0
90°-100°	70.3	1.2
100°-110°	16.3	0.3
110°-120°	7.3	0.1
120°-130°	4.7	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°	5861.9	98.3
0°-180°	5961.0	100.0

Coefficient of Utilization



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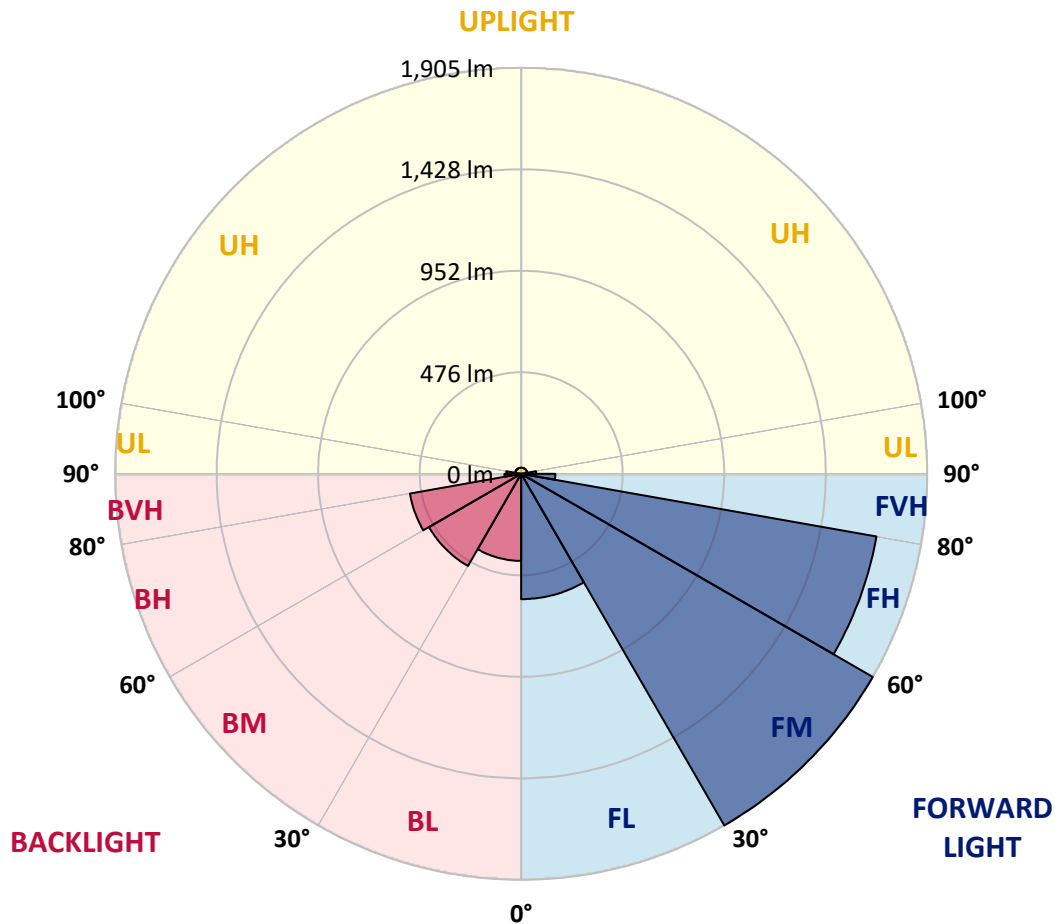
CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	588.1	9.9			
FM	(30°-60°)	1904.5	31.9			
FH	(60°-80°)	1692.2	28.4			G1/1800
FVH	(80°-90°)	160.6	2.7			G2/225
BL	(0°-30°)	408.5	6.9	B1/500		
BM	(30°-60°)	499.3	8.4	B1/1000		
BH	(60°-80°)	530.2	8.9	B2/1000		G2/1000
BVH	(80°-90°)	78.5	1.3			G1/100
UL	(90°-100°)	70.3	1.2		U3/500	
UH	(100°-180°)	28.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2
2.5°	1084.8	1084.8	1082.5	1084.8	1089.4	1093.9	1089.4	1091.6	1093.9	1098.5	1100.8
5°	1125.9	1123.6	1119.0	1114.5	1109.9	1109.9	1105.3	1103.1	1107.6	1121.3	1125.9
7.5°	1160.2	1153.3	1148.7	1151.0	1144.2	1132.7	1123.6	1119.0	1114.5	1132.7	1139.6
10°	1215.0	1210.4	1194.4	1180.7	1171.6	1153.3	1132.7	1130.5	1128.2	1146.4	1151.0
12.5°	1269.8	1265.2	1256.1	1242.4	1212.7	1196.7	1164.7	1151.0	1148.7	1160.2	1151.0
15°	1349.7	1340.6	1315.4	1301.7	1272.1	1246.9	1208.1	1187.6	1192.1	1176.1	1171.6
17.5°	1395.4	1390.8	1388.5	1368.0	1345.1	1301.7	1265.2	1235.5	1244.6	1208.1	1194.4
20°	1445.6	1443.3	1447.9	1450.2	1420.5	1381.7	1336.0	1290.3	1292.6	1244.6	1217.2
22.5°	1509.6	1502.7	1511.8	1523.3	1498.1	1466.2	1406.8	1370.3	1352.0	1288.0	1256.1
25°	1584.9	1582.6	1582.6	1603.2	1598.6	1555.2	1498.1	1457.0	1438.8	1352.0	1304.0
27.5°	1662.6	1664.9	1669.4	1683.1	1690.0	1664.9	1610.1	1573.5	1539.3	1425.1	1377.1
30°	1712.8	1712.8	1744.8	1765.3	1774.5	1774.5	1708.3	1680.8	1646.6	1518.7	1459.3
32.5°	1774.5	1779.0	1808.7	1843.0	1856.7	1875.0	1820.2	1799.6	1769.9	1635.2	1580.4
35°	1817.9	1824.7	1870.4	1922.9	1959.5	1968.6	1936.6	1945.8	1932.1	1788.2	1758.5
37.5°	1628.3	1646.6	1715.1	1817.9	1916.1	2012.0	2046.2	2091.9	2098.8	1932.1	1861.3
40°	1418.2	1425.1	1502.7	1578.1	1699.1	1776.8	1863.5	1964.0	1909.2	1728.8	1715.1
42.5°	1258.4	1288.0	1395.4	1452.5	1546.1	1564.4	1521.0	1457.0	1358.8	1342.9	1336.0
45°	1230.9	1260.6	1368.0	1461.6	1507.3	1283.5	1162.4	1077.9	1116.8	1212.7	1201.3
47.5°	1358.8	1395.4	1507.3	1614.6	1521.0	1272.1	1192.1	1189.8	1157.9	1322.3	1352.0
50°	1436.5	1466.2	1596.3	1594.1	1518.7	1397.7	1441.1	1393.1	1336.0	1616.9	1783.6
52.5°	1475.3	1502.7	1548.4	1605.5	1612.3	1603.2	1614.6	1575.8	1489.0	1877.3	2002.9
55°	1368.0	1436.5	1635.2	1733.4	1774.5	1749.4	1756.2	1728.8	1671.7	2039.4	2231.2
57.5°	1712.8	1749.4	1822.4	1847.6	1872.7	1861.3	1870.4	1861.3	1808.7	2160.4	2347.7
60°	1911.5	1911.5	1943.5	1902.4	1916.1	1954.9	1982.3	1982.3	1927.5	2249.5	2395.7
62.5°	2123.9	2105.6	1982.3	1918.4	1934.3	2021.1	2062.2	2057.7	2000.6	2263.2	2407.1
65°	2082.8	2050.8	2007.4	1868.1	1886.4	2007.4	2064.5	2062.2	2002.9	2213.0	2370.5
67.5°	1776.8	1806.5	1859.0	1847.6	1801.9	1941.2	2030.3	2034.8	1966.3	2128.5	2304.3
70°	1539.3	1557.5	1589.5	1685.4	1706.0	1849.8	1991.4	2012.0	1920.6	2030.3	2210.7
72.5°	1340.6	1352.0	1326.9	1425.1	1498.1	1687.7	1854.4	1893.2	1799.6	1861.3	2053.1
75°	1146.4	1121.3	1091.6	1135.0	1192.1	1393.1	1596.3	1674.0	1591.8	1630.6	1820.2
77.5°	890.7	854.1	824.4	835.9	888.4	1061.9	1258.4	1381.7	1308.6	1306.3	1457.0
80°	607.5	575.5	555.0	550.4	589.2	696.5	838.1	984.3	920.4	858.7	924.9
82.5°	379.1	379.1	360.8	333.4	331.1	351.7	379.1	415.6	392.8	383.7	404.2
85°	237.5	239.8	230.7	201.0	194.1	198.7	212.4	221.5	214.7	221.5	228.4
87.5°	166.7	164.4	153.0	148.4	146.2	153.0	164.4	169.0	169.0	175.8	175.8
90°	125.6	125.6	118.8	116.5	116.5	123.3	134.7	143.9	150.7	162.1	162.1
92.5°	105.1	105.1	100.5	98.2	98.2	100.5	109.6	121.0	127.9	139.3	134.7
95°	86.8	86.8	84.5	84.5	84.5	86.8	91.4	98.2	100.5	100.5	100.5
97.5°	68.5	66.2	63.9	63.9	63.9	66.2	68.5	75.4	77.6	70.8	70.8
100°	48.0	45.7	43.4	45.7	45.7	45.7	48.0	50.2	50.2	45.7	43.4
102.5°	29.7	29.7	29.7	29.7	27.4	27.4	27.4	27.4	25.1	22.8	22.8
105°	20.6	20.6	18.3	18.3	18.3	18.3	16.0	16.0	16.0	13.7	13.7
107.5°	16.0	16.0	16.0	16.0	16.0	13.7	13.7	13.7	13.7	11.4	11.4
110°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	11.4	11.4	9.1	9.1

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CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	13.7	13.7	13.7	13.7	13.7	11.4	11.4	11.4	11.4	9.1	9.1
115°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.1	9.1
117.5°	11.4	11.4	11.4	11.4	11.4	11.4	9.1	9.1	9.1	11.4	9.1
120°	11.4	11.4	11.4	11.4	9.1	9.1	9.1	9.1	9.1	9.1	9.1
122.5°	11.4	11.4	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
125°	9.1	9.1	9.1	9.1	6.9	6.9	6.9	6.9	6.9	6.9	6.9
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	6.9	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6	4.6
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°	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2	1096.2
2.5°	1100.8	1105.3	1114.5	1125.9	1135.0	1141.9	1146.4	1151.0	1151.0	1146.4	1151.0
5°	1125.9	1130.5	1146.4	1157.9	1157.9	1151.0	1146.4	1144.2	1148.7	1151.0	1155.6
7.5°	1146.4	1151.0	1144.2	1148.7	1153.3	1146.4	1137.3	1130.5	1123.6	1116.8	1121.3
10°	1148.7	1137.3	1137.3	1132.7	1116.8	1119.0	1116.8	1105.3	1096.2	1098.5	1100.8
12.5°	1146.4	1141.9	1123.6	1114.5	1107.6	1084.8	1075.7	1082.5	1068.8	1075.7	1066.5
15°	1167.0	1144.2	1125.9	1103.1	1077.9	1066.5	1050.5	1027.7	1018.6	1020.8	1023.1
17.5°	1180.7	1157.9	1114.5	1073.4	1059.7	1023.1	1004.9	993.4	977.4	979.7	988.9
20°	1203.5	1169.3	1107.6	1064.2	998.0	972.9	950.0	936.3	922.6	902.1	893.0
22.5°	1235.5	1192.1	1098.5	1018.6	961.5	918.1	867.8	833.6	815.3	801.6	799.3
25°	1276.6	1226.4	1100.8	998.0	906.7	842.7	799.3	739.9	696.5	692.0	698.8
27.5°	1352.0	1265.2	1114.5	966.0	861.0	762.8	682.8	641.7	591.5	580.1	580.1
30°	1425.1	1326.9	1105.3	938.6	783.3	673.7	566.4	488.7	461.3	440.8	438.5
32.5°	1559.8	1413.6	1153.3	897.5	712.5	541.3	422.5	338.0	319.7	312.9	310.6
35°	1683.1	1532.4	1157.9	845.0	607.5	420.2	303.7	246.6	235.2	228.4	226.1
37.5°	1815.6	1646.6	1203.5	801.6	504.7	296.9	219.2	175.8	162.1	153.0	148.4
40°	1662.6	1509.6	1183.0	728.5	374.5	189.6	137.0	95.9	82.2	82.2	82.2
42.5°	1301.7	1146.4	895.2	589.2	219.2	109.6	68.5	66.2	68.5	70.8	70.8
45°	1153.3	950.0	548.1	312.9	91.4	61.7	54.8	52.5	59.4	66.2	68.5
47.5°	1356.6	1130.5	422.5	219.2	98.2	61.7	50.2	50.2	48.0	43.4	43.4
50°	1833.9	1525.6	484.2	251.2	123.3	68.5	50.2	43.4	43.4	45.7	48.0
52.5°	2069.1	1699.1	570.9	326.6	180.4	93.6	54.8	43.4	38.8	32.0	32.0
55°	2272.3	1836.1	676.0	422.5	264.9	146.2	77.6	45.7	38.8	32.0	29.7
57.5°	2338.6	1852.1	787.9	532.1	360.8	228.4	134.7	63.9	41.1	34.3	32.0
60°	2347.7	1870.4	872.4	648.6	470.5	333.4	221.5	116.5	52.5	41.1	38.8
62.5°	2359.1	1875.0	936.3	733.1	580.1	452.2	319.7	185.0	79.9	48.0	45.7
65°	2318.0	1820.2	920.4	714.8	612.0	500.1	367.7	217.0	91.4	54.8	52.5
67.5°	2249.5	1772.2	854.1	657.7	552.7	436.2	315.2	175.8	84.5	63.9	61.7
70°	2194.7	1724.2	819.9	653.2	511.6	381.4	253.5	127.9	100.5	86.8	82.2
72.5°	2060.0	1610.1	792.5	650.9	511.6	372.3	246.6	137.0	137.0	139.3	130.2
75°	1833.9	1438.8	751.4	632.6	500.1	370.0	237.5	148.4	148.4	132.5	125.6
77.5°	1514.1	1178.4	664.6	577.8	454.5	326.6	194.1	123.3	118.8	102.8	98.2
80°	1002.6	845.0	529.8	477.3	374.5	262.6	143.9	95.9	89.1	75.4	70.8
82.5°	449.9	404.2	335.7	338.0	269.5	187.3	98.2	66.2	61.7	50.2	48.0
85°	246.6	232.9	182.7	159.9	137.0	98.2	57.1	43.4	36.5	27.4	27.4
87.5°	187.3	180.4	134.7	105.1	79.9	57.1	36.5	27.4	20.6	13.7	11.4
90°	171.3	162.1	109.6	84.5	63.9	45.7	29.7	18.3	13.7	9.1	6.9
92.5°	143.9	137.0	89.1	70.8	54.8	41.1	25.1	13.7	9.1	4.6	4.6
95°	105.1	102.8	66.2	54.8	43.4	34.3	20.6	11.4	6.9	4.6	2.3
97.5°	70.8	68.5	48.0	41.1	34.3	25.1	16.0	9.1	4.6	2.3	2.3
100°	43.4	43.4	29.7	27.4	22.8	18.3	11.4	6.9	4.6	2.3	2.3
102.5°	22.8	20.6	16.0	16.0	13.7	11.4	9.1	4.6	2.3	0.0	0.0
105°	13.7	11.4	11.4	9.1	9.1	6.9	6.9	4.6	2.3	0.0	0.0
107.5°	11.4	9.1	9.1	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0
110°	9.1	9.1	6.9	6.9	4.6	4.6	4.6	2.3	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
115°	9.1	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
117.5°	9.1	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
120°	9.1	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
122.5°	9.1	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
125°	6.9	4.6	4.6	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0
127.5°	6.9	4.6	4.6	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0
130°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	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)