

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: P691515

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691515
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-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: 5110 lumens
Efficiency: N/A
Efficacy: 122.8 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): 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



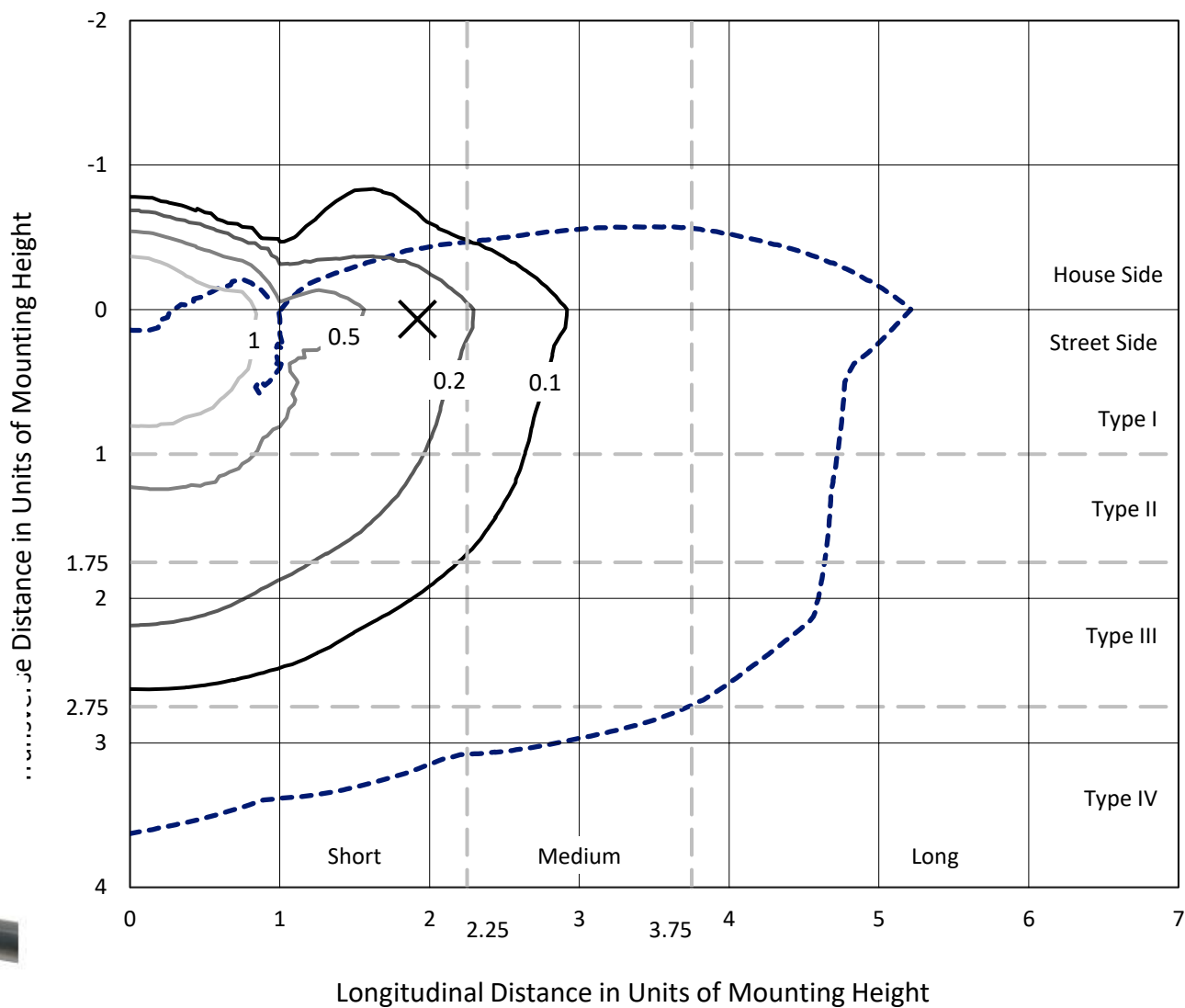
REPORT NUMBER: P691515

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

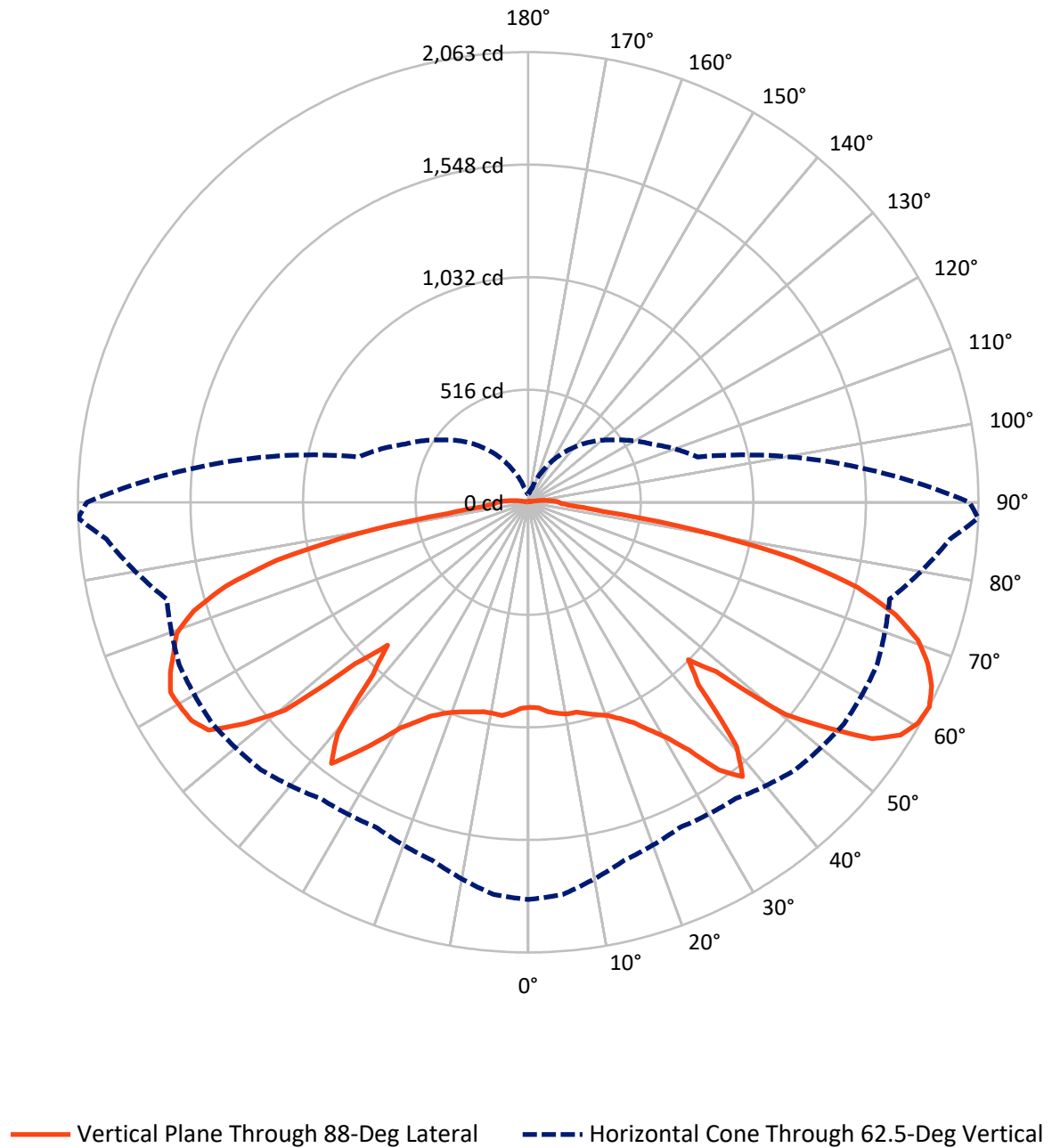


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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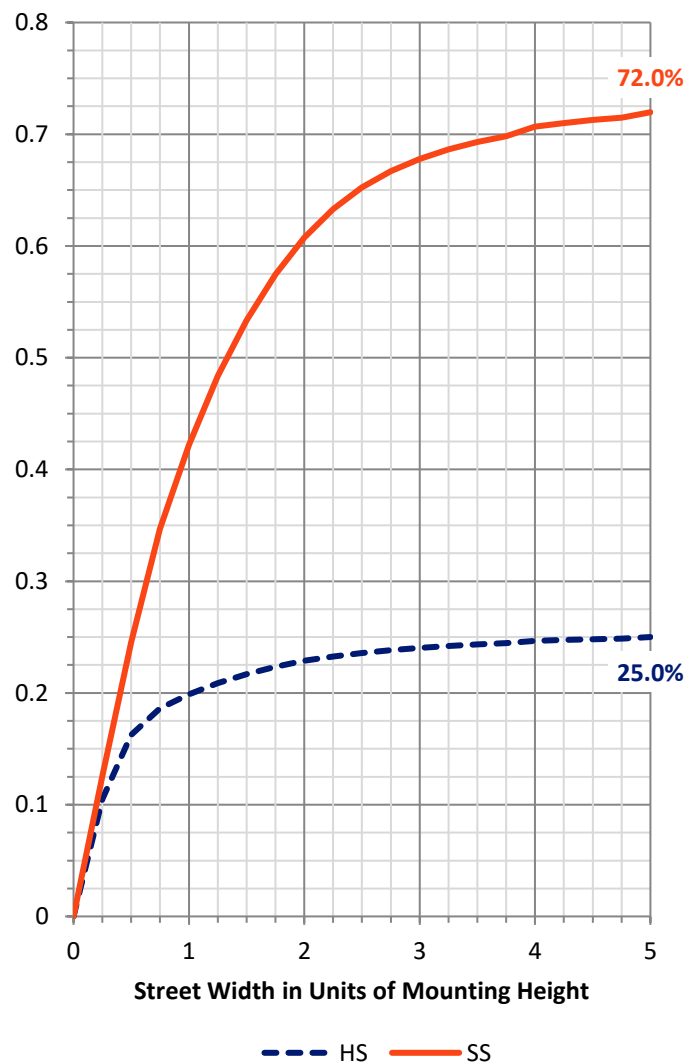
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.0	24.5	1324.5
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3725.1	60.4	3785.5
	% Fixture	72.9	1.2	74.1
Total	Lumens	5025.1	84.9	5110.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.8
10°-20°	282.8	5.5
20°-30°	478.9	9.4
30°-40°	661.1	12.9
40°-50°	571.8	11.2
50°-60°	827.8	16.2
60°-70°	1083.6	21.2
70°-80°	821.6	16.1
80°-90°	205.0	4.0
90°-100°	60.3	1.2
100°-110°	14.0	0.3
110°-120°	6.2	0.1
120°-130°	4.0	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°	5025.1	98.3
0°-180°	5110.0	100.0

Coefficient of Utilization



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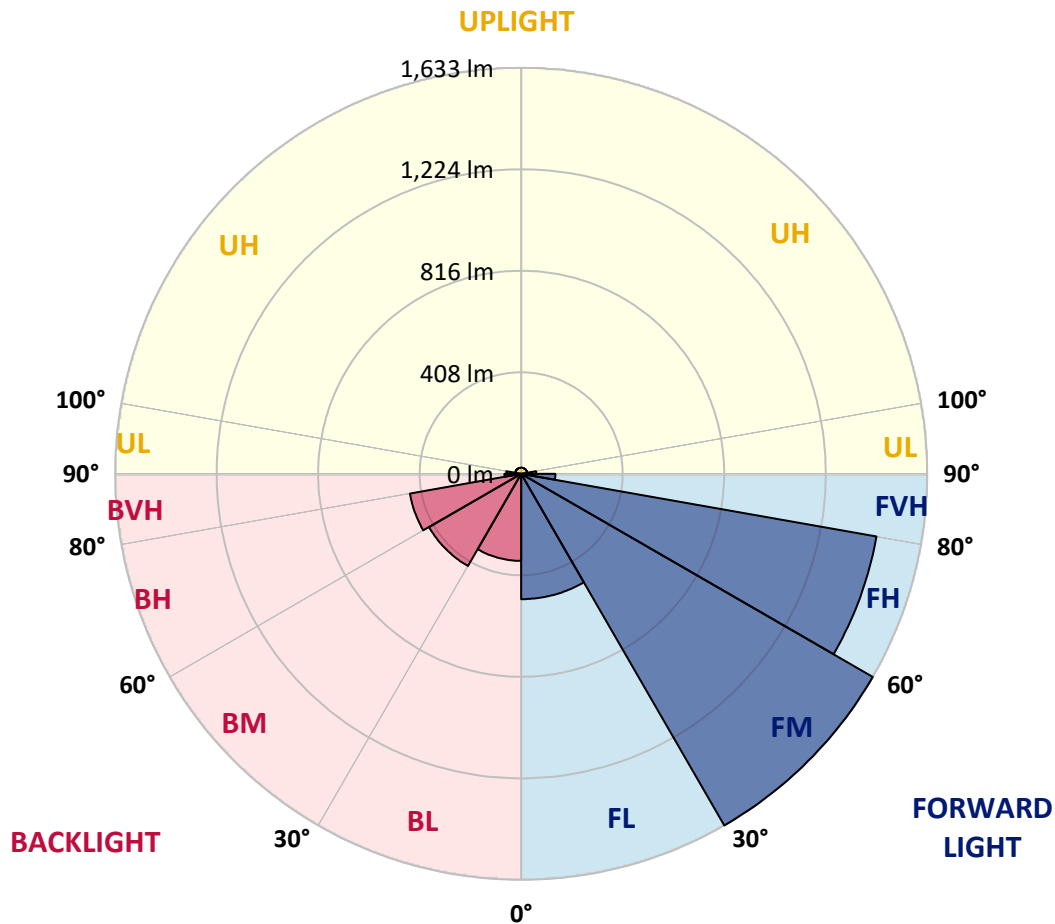
CATALOG NUMBER: CRTK2-C016-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	504.1	9.9			
FM	(30°-60°)	1632.6	31.9			
FH	(60°-80°)	1450.6	28.4			G1/1800
FVH	(80°-90°)	137.7	2.7			G2/225
BL	(0°-30°)	350.2	6.9	B1/500		
BM	(30°-60°)	428.0	8.4	B1/1000		
BH	(60°-80°)	454.5	8.9	B1/500		G1/500
BVH	(80°-90°)	67.3	1.3			G1/100
UL	(90°-100°)	60.3	1.2		U3/500	
UH	(100°-180°)	24.6	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°	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7
2.5°	929.9	929.9	928.0	929.9	933.8	937.8	933.8	935.8	937.8	941.7	943.6
5°	965.2	963.2	959.3	955.4	951.5	951.5	947.5	945.6	949.5	961.2	965.2
7.5°	994.5	988.7	984.7	986.7	980.8	971.0	963.2	959.3	955.4	971.0	976.9
10°	1041.5	1037.6	1023.9	1012.1	1004.3	988.7	971.0	969.1	967.1	982.8	986.7
12.5°	1088.5	1084.6	1076.8	1065.0	1039.6	1025.8	998.4	986.7	984.7	994.5	986.7
15°	1157.0	1149.2	1127.7	1115.9	1090.5	1068.9	1035.6	1018.0	1021.9	1008.2	1004.3
17.5°	1196.2	1192.3	1190.3	1172.7	1153.1	1115.9	1084.6	1059.1	1067.0	1035.6	1023.9
20°	1239.2	1237.3	1241.2	1243.2	1217.7	1184.4	1145.3	1106.1	1108.1	1067.0	1043.5
22.5°	1294.1	1288.2	1296.0	1305.8	1284.3	1256.9	1206.0	1174.6	1159.0	1104.2	1076.8
25°	1358.7	1356.7	1356.7	1374.3	1370.4	1333.2	1284.3	1249.0	1233.4	1159.0	1117.9
27.5°	1425.2	1427.2	1431.1	1442.8	1448.7	1427.2	1380.2	1348.9	1319.5	1221.6	1180.5
30°	1468.3	1468.3	1495.7	1513.3	1521.2	1521.2	1464.4	1440.9	1411.5	1301.9	1251.0
32.5°	1521.2	1525.1	1550.5	1579.9	1591.6	1607.3	1560.3	1542.7	1517.2	1401.7	1354.7
35°	1558.4	1564.2	1603.4	1648.4	1679.7	1687.6	1660.2	1668.0	1656.2	1532.9	1507.5
37.5°	1395.9	1411.5	1470.3	1558.4	1642.5	1724.8	1754.1	1793.3	1799.2	1656.2	1595.5
40°	1215.7	1221.6	1288.2	1352.8	1456.5	1523.1	1597.5	1683.6	1636.7	1482.0	1470.3
42.5°	1078.7	1104.2	1196.2	1245.1	1325.4	1341.0	1303.8	1249.0	1164.8	1151.1	1145.3
45°	1055.2	1080.7	1172.7	1252.9	1292.1	1100.2	996.5	924.0	957.3	1039.6	1029.8
47.5°	1164.8	1196.2	1292.1	1384.1	1303.8	1090.5	1021.9	1020.0	992.6	1133.5	1159.0
50°	1231.4	1256.9	1368.5	1366.5	1301.9	1198.1	1235.3	1194.2	1145.3	1386.1	1529.0
52.5°	1264.7	1288.2	1327.3	1376.3	1382.2	1374.3	1384.1	1350.8	1276.4	1609.3	1716.9
55°	1172.7	1231.4	1401.7	1485.9	1521.2	1499.6	1505.5	1482.0	1433.1	1748.3	1912.7
57.5°	1468.3	1499.6	1562.3	1583.8	1605.3	1595.5	1603.4	1595.5	1550.5	1852.0	2012.5
60°	1638.6	1638.6	1666.0	1630.8	1642.5	1675.8	1699.3	1699.3	1652.3	1928.4	2053.7
62.5°	1820.7	1805.0	1699.3	1644.5	1658.2	1732.6	1767.8	1763.9	1715.0	1940.1	2063.4
65°	1785.4	1758.0	1720.8	1601.4	1617.1	1720.8	1769.8	1767.8	1716.9	1897.0	2032.1
67.5°	1523.1	1548.6	1593.6	1583.8	1544.6	1664.1	1740.4	1744.3	1685.6	1824.6	1975.3
70°	1319.5	1335.2	1362.6	1444.8	1462.4	1585.8	1707.1	1724.8	1646.4	1740.4	1895.1
72.5°	1149.2	1159.0	1137.4	1221.6	1284.3	1446.8	1589.7	1623.0	1542.7	1595.5	1760.0
75°	982.8	961.2	935.8	973.0	1021.9	1194.2	1368.5	1435.0	1364.5	1397.8	1560.3
77.5°	763.5	732.2	706.7	716.5	761.6	910.3	1078.7	1184.4	1121.8	1119.8	1249.0
80°	520.8	493.3	475.7	471.8	505.1	597.1	718.5	843.8	789.0	736.1	792.9
82.5°	325.0	325.0	309.3	285.8	283.9	301.5	325.0	356.3	336.7	328.9	346.5
85°	203.6	205.6	197.7	172.3	166.4	170.3	182.1	189.9	184.0	189.9	195.8
87.5°	142.9	141.0	131.2	127.3	125.3	131.2	141.0	144.9	144.9	150.7	150.7
90°	107.7	107.7	101.8	99.8	99.8	105.7	115.5	123.3	129.2	139.0	139.0
92.5°	90.1	90.1	86.1	84.2	84.2	86.1	94.0	103.8	109.6	119.4	115.5
95°	74.4	74.4	72.4	72.4	72.4	74.4	78.3	84.2	86.1	86.1	86.1
97.5°	58.7	56.8	54.8	54.8	54.8	56.8	58.7	64.6	66.6	60.7	60.7
100°	41.1	39.2	37.2	39.2	39.2	39.2	41.1	43.1	43.1	39.2	37.2
102.5°	25.5	25.5	25.5	25.5	23.5	23.5	23.5	23.5	21.5	19.6	19.6
105°	17.6	17.6	15.7	15.7	15.7	15.7	13.7	13.7	13.7	11.7	11.7
107.5°	13.7	13.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7	9.8	9.8
110°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.8	9.8	7.8	7.8

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	11.7	11.7	11.7	11.7	11.7	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°	9.8	9.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	9.8	7.8
120°	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
122.5°	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
125°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	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	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	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°	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7	939.7
2.5°	943.6	947.5	955.4	965.2	973.0	978.9	982.8	986.7	986.7	982.8	986.7
5°	965.2	969.1	982.8	992.6	992.6	986.7	982.8	980.8	984.7	986.7	990.6
7.5°	982.8	986.7	980.8	984.7	988.7	982.8	974.9	969.1	963.2	957.3	961.2
10°	984.7	974.9	974.9	971.0	957.3	959.3	957.3	947.5	939.7	941.7	943.6
12.5°	982.8	978.9	963.2	955.4	949.5	929.9	922.1	928.0	916.2	922.1	914.3
15°	1000.4	980.8	965.2	945.6	924.0	914.3	900.6	881.0	873.1	875.1	877.1
17.5°	1012.1	992.6	955.4	920.1	908.4	877.1	861.4	851.6	837.9	839.9	847.7
20°	1031.7	1002.4	949.5	912.3	855.5	834.0	814.4	802.7	790.9	773.3	765.5
22.5°	1059.1	1021.9	941.7	873.1	824.2	787.0	743.9	714.6	698.9	687.2	685.2
25°	1094.4	1051.3	943.6	855.5	777.2	722.4	685.2	634.3	597.1	593.2	599.1
27.5°	1159.0	1084.6	955.4	828.1	738.1	653.9	585.4	550.1	507.1	497.3	497.3
30°	1221.6	1137.4	947.5	804.6	671.5	577.5	485.5	419.0	395.5	377.8	375.9
32.5°	1337.1	1211.8	988.7	769.4	610.8	464.0	362.2	289.7	274.1	268.2	266.3
35°	1442.8	1313.6	992.6	724.4	520.8	360.2	260.4	211.4	201.6	195.8	193.8
37.5°	1556.4	1411.5	1031.7	687.2	432.7	254.5	187.9	150.7	139.0	131.2	127.3
40°	1425.2	1294.1	1014.1	624.5	321.1	162.5	117.5	82.2	70.5	70.5	70.5
42.5°	1115.9	982.8	767.4	505.1	187.9	94.0	58.7	56.8	58.7	60.7	60.7
45°	988.7	814.4	469.9	268.2	78.3	52.9	47.0	45.0	50.9	56.8	58.7
47.5°	1162.9	969.1	362.2	187.9	84.2	52.9	43.1	43.1	41.1	37.2	37.2
50°	1572.1	1307.8	415.0	215.4	105.7	58.7	43.1	37.2	37.2	39.2	41.1
52.5°	1773.7	1456.5	489.4	280.0	154.7	80.3	47.0	37.2	33.3	27.4	27.4
55°	1947.9	1574.0	579.5	362.2	227.1	125.3	66.6	39.2	33.3	27.4	25.5
57.5°	2004.7	1587.7	675.4	456.2	309.3	195.8	115.5	54.8	35.2	29.4	27.4
60°	2012.5	1603.4	747.9	556.0	403.3	285.8	189.9	99.8	45.0	35.2	33.3
62.5°	2022.3	1607.3	802.7	628.4	497.3	387.6	274.1	158.6	68.5	41.1	39.2
65°	1987.1	1560.3	789.0	612.8	524.7	428.7	315.2	186.0	78.3	47.0	45.0
67.5°	1928.4	1519.2	732.2	563.8	473.8	373.9	270.2	150.7	72.4	54.8	52.9
70°	1881.4	1478.1	702.8	559.9	438.5	326.9	217.3	109.6	86.1	74.4	70.5
72.5°	1765.9	1380.2	679.3	558.0	438.5	319.1	211.4	117.5	117.5	119.4	111.6
75°	1572.1	1233.4	644.1	542.3	428.7	317.2	203.6	127.3	127.3	113.5	107.7
77.5°	1298.0	1010.2	569.7	495.3	389.6	280.0	166.4	105.7	101.8	88.1	84.2
80°	859.4	724.4	454.2	409.2	321.1	225.1	123.3	82.2	76.4	64.6	60.7
82.5°	385.7	346.5	287.8	289.7	231.0	160.5	84.2	56.8	52.9	43.1	41.1
85°	211.4	199.7	156.6	137.0	117.5	84.2	48.9	37.2	31.3	23.5	23.5
87.5°	160.5	154.7	115.5	90.1	68.5	48.9	31.3	23.5	17.6	11.7	9.8
90°	146.8	139.0	94.0	72.4	54.8	39.2	25.5	15.7	11.7	7.8	5.9
92.5°	123.3	117.5	76.4	60.7	47.0	35.2	21.5	11.7	7.8	3.9	3.9
95°	90.1	88.1	56.8	47.0	37.2	29.4	17.6	9.8	5.9	3.9	2.0
97.5°	60.7	58.7	41.1	35.2	29.4	21.5	13.7	7.8	3.9	2.0	2.0
100°	37.2	37.2	25.5	23.5	19.6	15.7	9.8	5.9	3.9	2.0	2.0
102.5°	19.6	17.6	13.7	13.7	11.7	9.8	7.8	3.9	2.0	0.0	0.0
105°	11.7	9.8	9.8	7.8	7.8	5.9	5.9	3.9	2.0	0.0	0.0
107.5°	9.8	7.8	7.8	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0
110°	7.8	7.8	5.9	5.9	3.9	3.9	3.9	2.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

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