

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: P691507

Luminaire Tested: **CRTK2-C016-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691507
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-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 4963 lumens
Efficiency: N/A
Efficacy: 119.3 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



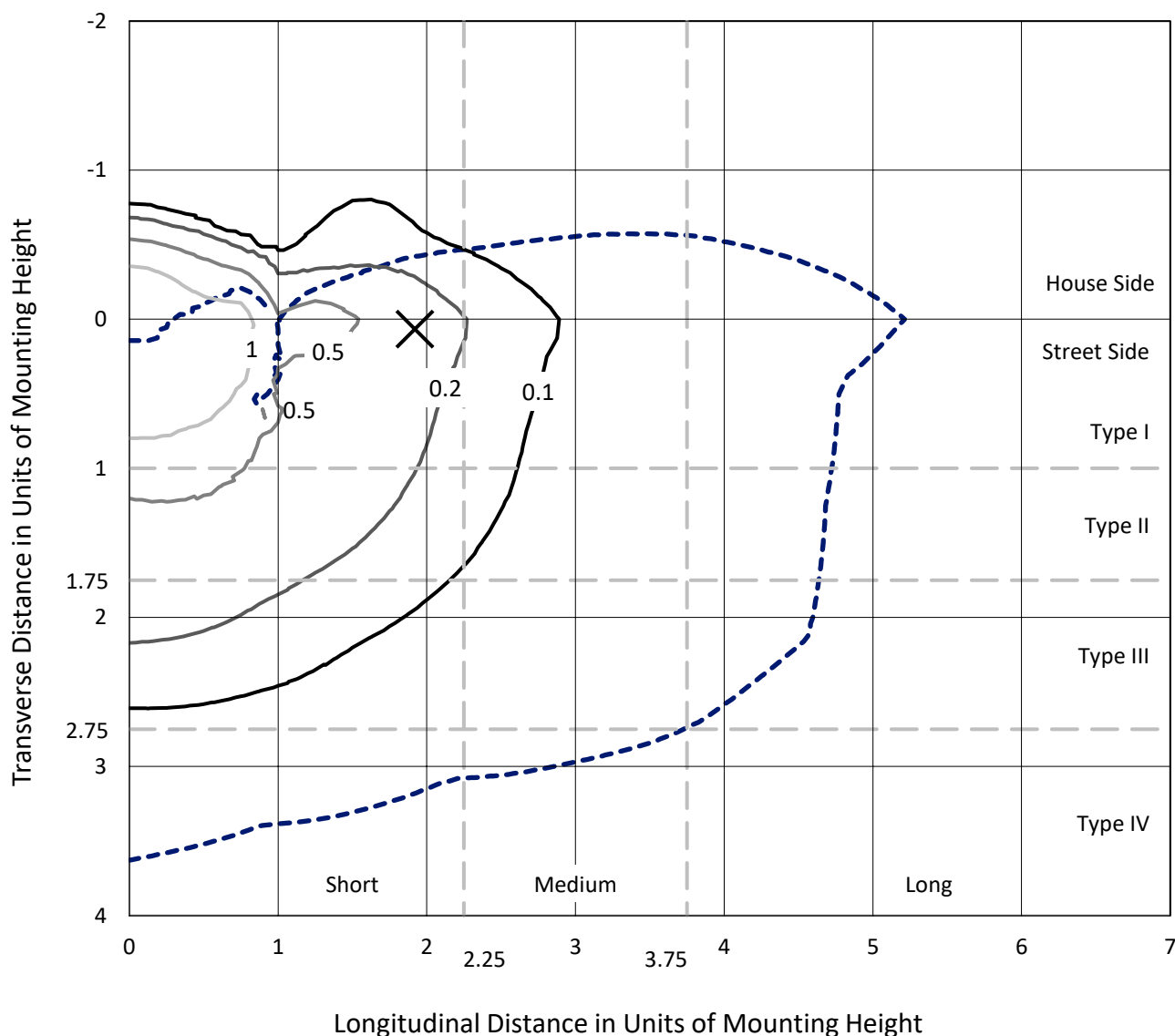
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



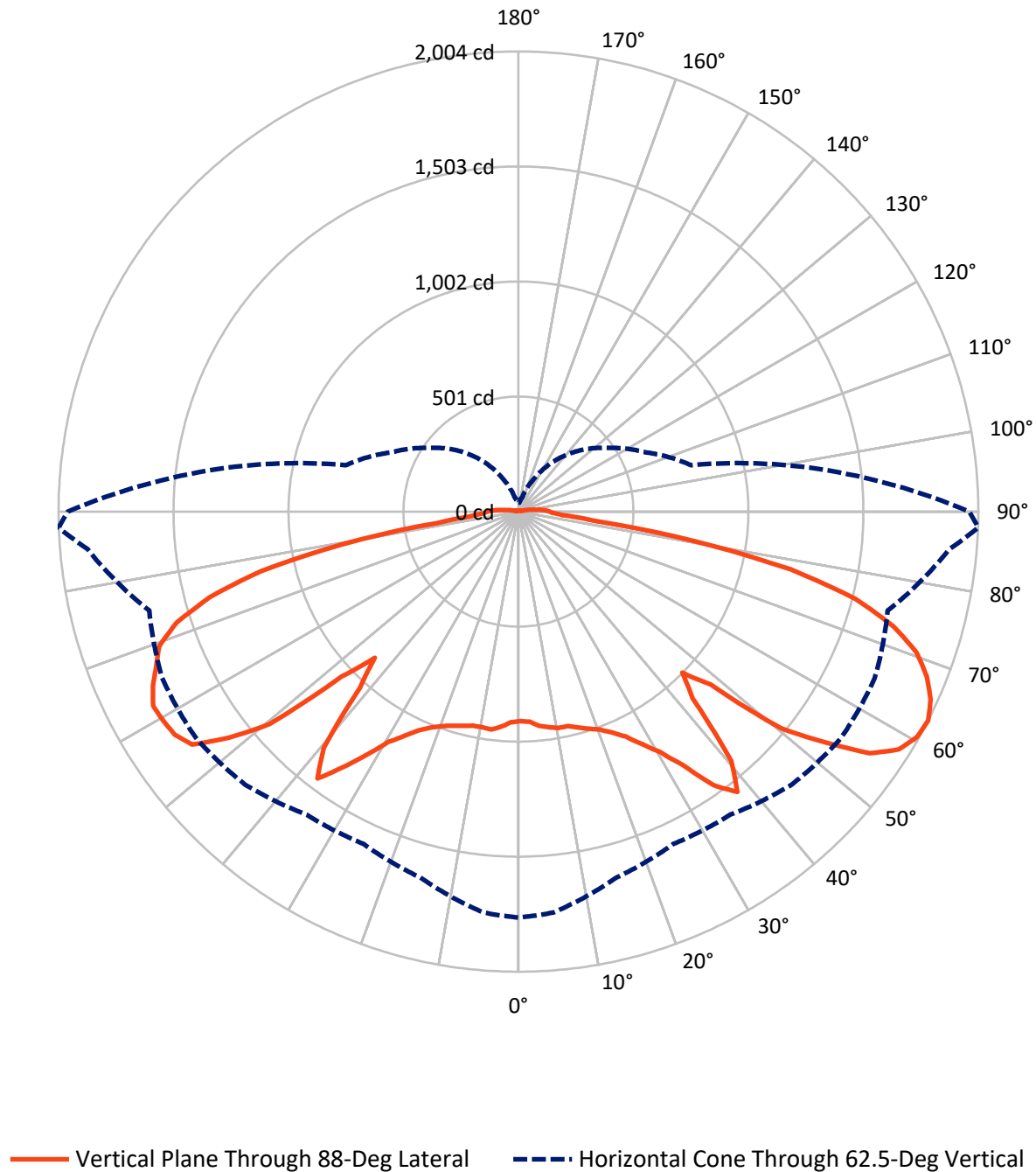
Based on 25 foot mounting height. Maximum calculated value = 1.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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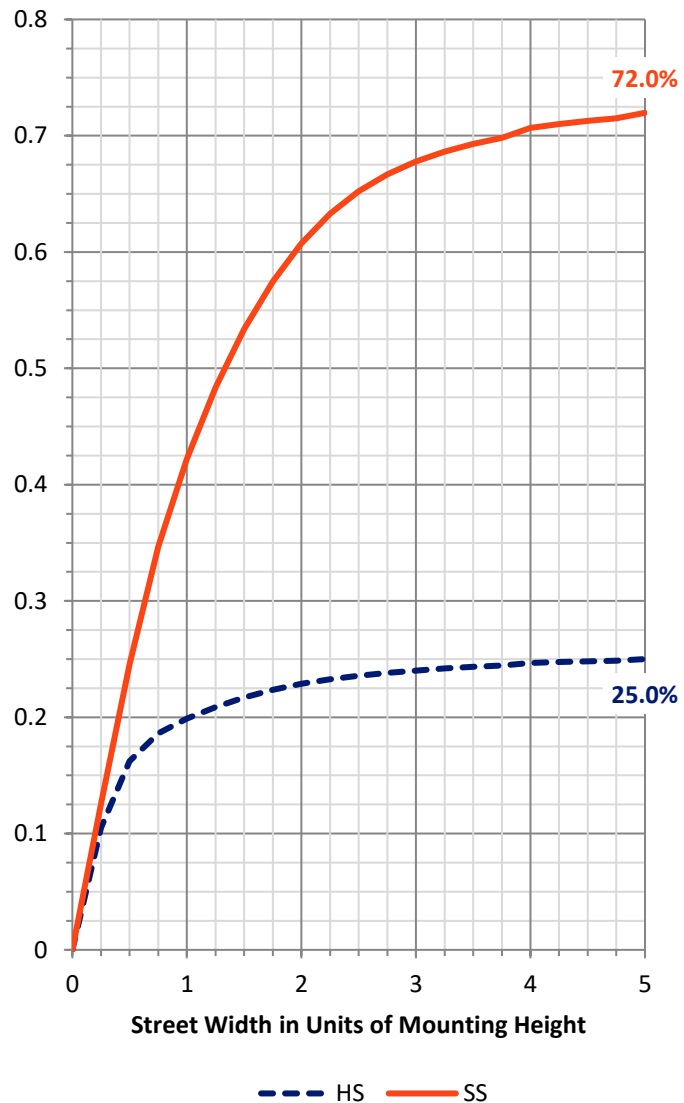
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1262.6	23.8	1286.4
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3617.9	58.7	3676.6
	% Fixture	72.9	1.2	74.1
Total	Lumens	4880.5	82.5	4963.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	1.8
10°-20°	274.6	5.5
20°-30°	465.1	9.4
30°-40°	642.1	12.9
40°-50°	555.3	11.2
50°-60°	804.0	16.2
60°-70°	1052.4	21.2
70°-80°	797.9	16.1
80°-90°	199.1	4.0
90°-100°	58.5	1.2
100°-110°	13.6	0.3
110°-120°	6.1	0.1
120°-130°	3.9	0.1
130°-140°	0.3	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°	4880.5	98.3
0°-180°	4963.0	100.0

Coefficient of Utilization



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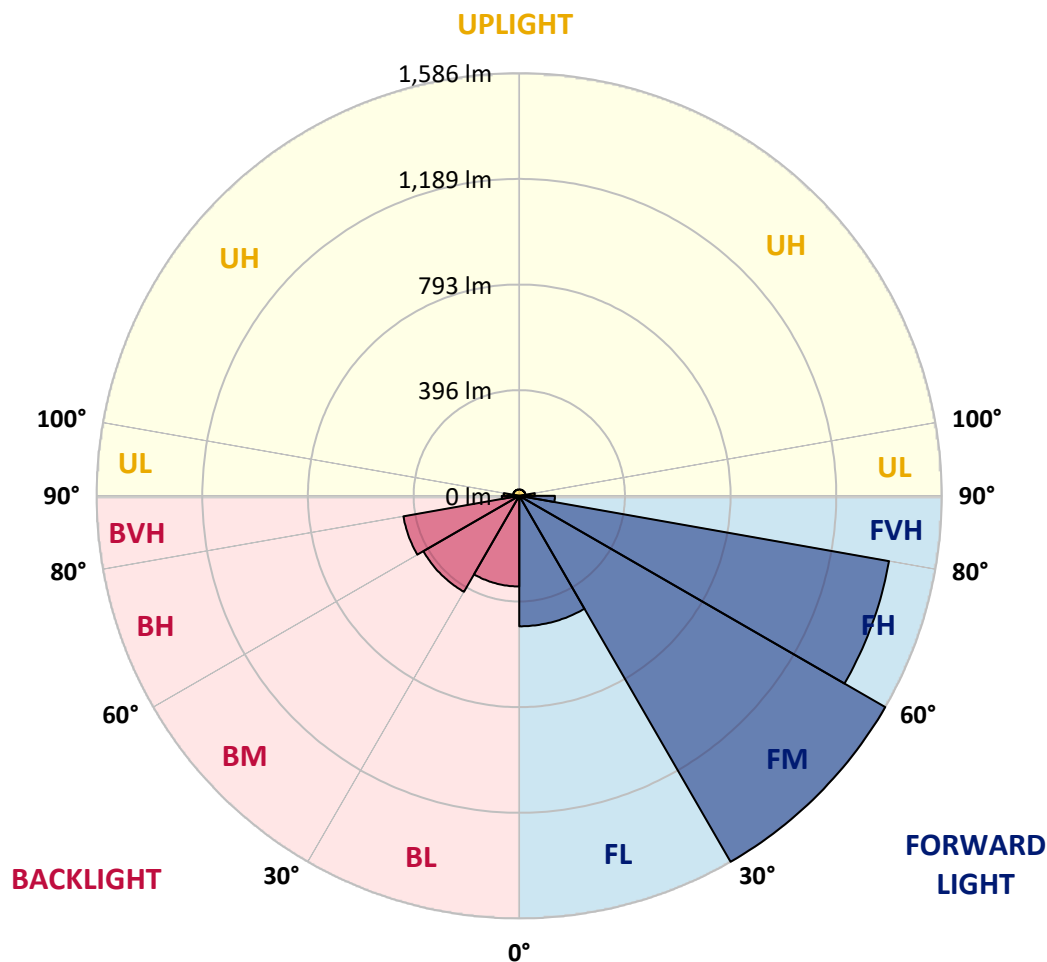
CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.6	9.9			
FM	(30°-60°)	1585.7	32.0			
FH	(60°-80°)	1408.9	28.4			G1/1800
FVH	(80°-90°)	133.7	2.7			G2/225
BL	(0°-30°)	340.1	6.9	B1/500		
BM	(30°-60°)	415.7	8.4	B1/1000		
BH	(60°-80°)	441.5	8.9	B1/500		G1/500
BVH	(80°-90°)	65.4	1.3			G1/100
UL	(90°-100°)	58.5	1.2		U3/500	
UH	(100°-180°)	23.9	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°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7
2.5°	903.2	903.2	901.3	903.2	907.0	910.8	907.0	908.9	910.8	914.6	916.5
5°	937.4	935.5	931.7	927.9	924.1	924.1	920.3	918.4	922.2	933.6	937.4
7.5°	965.9	960.2	956.4	958.3	952.6	943.1	935.5	931.7	927.9	943.1	948.8
10°	1011.6	1007.7	994.4	983.0	975.4	960.2	943.1	941.2	939.3	954.5	958.3
12.5°	1057.2	1053.4	1045.8	1034.4	1009.6	996.3	969.7	958.3	956.4	965.9	958.3
15°	1123.7	1116.1	1095.2	1083.8	1059.1	1038.2	1005.8	988.7	992.5	979.2	975.4
17.5°	1161.8	1158.0	1156.1	1138.9	1119.9	1083.8	1053.4	1028.7	1036.3	1005.8	994.4
20°	1203.6	1201.7	1205.5	1207.4	1182.7	1150.4	1112.3	1074.3	1076.2	1036.3	1013.5
22.5°	1256.8	1251.1	1258.7	1268.2	1247.3	1220.7	1171.3	1140.8	1125.6	1072.4	1045.8
25°	1319.6	1317.7	1317.7	1334.8	1331.0	1294.9	1247.3	1213.1	1197.9	1125.6	1085.7
27.5°	1384.2	1386.1	1389.9	1401.3	1407.0	1386.1	1340.5	1310.1	1281.6	1186.5	1146.6
30°	1426.1	1426.1	1452.7	1469.8	1477.4	1477.4	1422.3	1399.4	1370.9	1264.4	1215.0
32.5°	1477.4	1481.2	1505.9	1534.4	1545.8	1561.1	1515.4	1498.3	1473.6	1361.4	1315.8
35°	1513.5	1519.2	1557.3	1601.0	1631.4	1639.0	1612.4	1620.0	1608.6	1488.8	1464.1
37.5°	1355.7	1370.9	1428.0	1513.5	1595.3	1675.1	1703.7	1741.7	1747.4	1608.6	1549.6
40°	1180.8	1186.5	1251.1	1313.9	1414.6	1479.3	1551.6	1635.2	1589.6	1439.4	1428.0
42.5°	1047.7	1072.4	1161.8	1209.3	1287.3	1302.5	1266.3	1213.1	1131.3	1118.0	1112.3
45°	1024.9	1049.6	1138.9	1216.9	1254.9	1068.6	967.8	897.5	929.8	1009.6	1000.1
47.5°	1131.3	1161.8	1254.9	1344.3	1266.3	1059.1	992.5	990.6	964.0	1100.9	1125.6
50°	1196.0	1220.7	1329.1	1327.2	1264.4	1163.7	1199.8	1159.9	1112.3	1346.2	1485.0
52.5°	1228.3	1251.1	1289.2	1336.7	1342.4	1334.8	1344.3	1312.0	1239.7	1563.0	1667.5
55°	1138.9	1196.0	1361.4	1443.2	1477.4	1456.5	1462.2	1439.4	1391.8	1698.0	1857.7
57.5°	1426.1	1456.5	1517.3	1538.2	1559.2	1549.6	1557.3	1549.6	1505.9	1798.7	1954.6
60°	1591.5	1591.5	1618.1	1583.9	1595.3	1627.6	1650.4	1650.4	1604.8	1872.9	1994.6
62.5°	1768.3	1753.1	1650.4	1597.2	1610.5	1682.7	1717.0	1713.2	1665.6	1884.3	2004.1
65°	1734.1	1707.5	1671.3	1555.4	1570.6	1671.3	1718.9	1717.0	1667.5	1842.5	1973.7
67.5°	1479.3	1504.0	1547.7	1538.2	1500.2	1616.2	1690.4	1694.2	1637.1	1772.1	1918.5
70°	1281.6	1296.8	1323.4	1403.2	1420.4	1540.1	1658.0	1675.1	1599.1	1690.4	1840.6
72.5°	1116.1	1125.6	1104.7	1186.5	1247.3	1405.1	1543.9	1576.3	1498.3	1549.6	1709.4
75°	954.5	933.6	908.9	945.0	992.5	1159.9	1329.1	1393.7	1325.3	1357.6	1515.4
77.5°	741.5	711.1	686.4	695.9	739.6	884.2	1047.7	1150.4	1089.5	1087.6	1213.1
80°	505.8	479.2	462.0	458.2	490.6	579.9	697.8	819.5	766.3	714.9	770.1
82.5°	315.6	315.6	300.4	277.6	275.7	292.8	315.6	346.1	327.0	319.4	336.5
85°	197.7	199.6	192.0	167.3	161.6	165.4	176.8	184.4	178.7	184.4	190.1
87.5°	138.8	136.9	127.4	123.6	121.7	127.4	136.9	140.7	140.7	146.4	146.4
90°	104.6	104.6	98.9	97.0	97.0	102.7	112.2	119.8	125.5	135.0	135.0
92.5°	87.5	87.5	83.7	81.8	81.8	83.7	91.3	100.8	106.5	116.0	112.2
95°	72.3	72.3	70.4	70.4	70.4	72.3	76.1	81.8	83.7	83.7	83.7
97.5°	57.0	55.1	53.2	53.2	53.2	55.1	57.0	62.7	64.6	58.9	58.9
100°	39.9	38.0	36.1	38.0	38.0	38.0	39.9	41.8	41.8	38.0	36.1
102.5°	24.7	24.7	24.7	24.7	22.8	22.8	22.8	22.8	20.9	19.0	19.0
105°	17.1	17.1	15.2	15.2	15.2	15.2	13.3	13.3	13.3	11.4	11.4
107.5°	13.3	13.3	13.3	13.3	13.3	11.4	11.4	11.4	11.4	9.5	9.5
110°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.5	9.5	7.6	7.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	11.4	11.4	11.4	11.4	11.4	9.5	9.5	9.5	9.5	7.6	7.6
115°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.6	7.6
117.5°	9.5	9.5	9.5	9.5	9.5	9.5	7.6	7.6	7.6	9.5	7.6
120°	9.5	9.5	9.5	9.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6
122.5°	9.5	9.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
125°	7.6	7.6	7.6	7.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
127.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
130°	5.7	5.7	5.7	5.7	5.7	5.7	3.8	3.8	3.8	3.8	3.8
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°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7
2.5°	916.5	920.3	927.9	937.4	945.0	950.7	954.5	958.3	958.3	954.5	958.3
5°	937.4	941.2	954.5	964.0	964.0	958.3	954.5	952.6	956.4	958.3	962.1
7.5°	954.5	958.3	952.6	956.4	960.2	954.5	946.9	941.2	935.5	929.8	933.6
10°	956.4	946.9	946.9	943.1	929.8	931.7	929.8	920.3	912.7	914.6	916.5
12.5°	954.5	950.7	935.5	927.9	922.2	903.2	895.6	901.3	889.9	895.6	888.0
15°	971.6	952.6	937.4	918.4	897.5	888.0	874.6	855.6	848.0	849.9	851.8
17.5°	983.0	964.0	927.9	893.7	882.3	851.8	836.6	827.1	813.8	815.7	823.3
20°	1002.0	973.5	922.2	886.1	830.9	810.0	791.0	779.6	768.2	751.1	743.5
22.5°	1028.7	992.5	914.6	848.0	800.5	764.4	722.5	694.0	678.8	667.4	665.5
25°	1062.9	1021.1	916.5	830.9	754.9	701.6	665.5	616.1	579.9	576.1	581.8
27.5°	1125.6	1053.4	927.9	804.3	716.8	635.1	568.5	534.3	492.5	483.0	483.0
30°	1186.5	1104.7	920.3	781.5	652.2	560.9	471.5	406.9	384.1	367.0	365.1
32.5°	1298.7	1177.0	960.2	747.3	593.2	450.6	351.8	281.4	266.2	260.5	258.6
35°	1401.3	1275.8	964.0	703.5	505.8	349.9	252.9	205.4	195.8	190.1	188.2
37.5°	1511.6	1370.9	1002.0	667.4	420.2	247.2	182.5	146.4	135.0	127.4	123.6
40°	1384.2	1256.8	984.9	606.5	311.8	157.8	114.1	79.9	68.5	68.5	68.5
42.5°	1083.8	954.5	745.4	490.6	182.5	91.3	57.0	55.1	57.0	58.9	58.9
45°	960.2	791.0	456.3	260.5	76.1	51.3	45.6	43.7	49.4	55.1	57.0
47.5°	1129.4	941.2	351.8	182.5	81.8	51.3	41.8	41.8	39.9	36.1	36.1
50°	1526.8	1270.1	403.1	209.2	102.7	57.0	41.8	36.1	36.1	38.0	39.9
52.5°	1722.7	1414.6	475.4	271.9	150.2	78.0	45.6	36.1	32.3	26.6	26.6
55°	1891.9	1528.7	562.8	351.8	220.6	121.7	64.6	38.0	32.3	26.6	24.7
57.5°	1947.0	1542.0	656.0	443.0	300.4	190.1	112.2	53.2	34.2	28.5	26.6
60°	1954.6	1557.3	726.3	540.0	391.7	277.6	184.4	97.0	43.7	34.2	32.3
62.5°	1964.2	1561.1	779.6	610.4	483.0	376.5	266.2	154.0	66.5	39.9	38.0
65°	1929.9	1515.4	766.3	595.1	509.6	416.4	306.1	180.6	76.1	45.6	43.7
67.5°	1872.9	1475.5	711.1	547.6	460.1	363.2	262.4	146.4	70.4	53.2	51.3
70°	1827.3	1435.6	682.6	543.8	425.9	317.5	211.1	106.5	83.7	72.3	68.5
72.5°	1715.1	1340.5	659.8	541.9	425.9	309.9	205.4	114.1	114.1	116.0	108.4
75°	1526.8	1197.9	625.6	526.7	416.4	308.0	197.7	123.6	123.6	110.3	104.6
77.5°	1260.6	981.1	553.3	481.1	378.4	271.9	161.6	102.7	98.9	85.6	81.8
80°	834.7	703.5	441.1	397.4	311.8	218.7	119.8	79.9	74.2	62.7	58.9
82.5°	374.6	336.5	279.5	281.4	224.4	155.9	81.8	55.1	51.3	41.8	39.9
85°	205.4	193.9	152.1	133.1	114.1	81.8	47.5	36.1	30.4	22.8	22.8
87.5°	155.9	150.2	112.2	87.5	66.5	47.5	30.4	22.8	17.1	11.4	9.5
90°	142.6	135.0	91.3	70.4	53.2	38.0	24.7	15.2	11.4	7.6	5.7
92.5°	119.8	114.1	74.2	58.9	45.6	34.2	20.9	11.4	7.6	3.8	3.8
95°	87.5	85.6	55.1	45.6	36.1	28.5	17.1	9.5	5.7	3.8	1.9
97.5°	58.9	57.0	39.9	34.2	28.5	20.9	13.3	7.6	3.8	1.9	1.9
100°	36.1	36.1	24.7	22.8	19.0	15.2	9.5	5.7	3.8	1.9	1.9
102.5°	19.0	17.1	13.3	13.3	11.4	9.5	7.6	3.8	1.9	0.0	0.0
105°	11.4	9.5	9.5	7.6	7.6	5.7	5.7	3.8	1.9	0.0	0.0
107.5°	9.5	7.6	7.6	5.7	5.7	3.8	3.8	1.9	1.9	0.0	0.0
110°	7.6	7.6	5.7	5.7	3.8	3.8	3.8	1.9	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C016-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.6	5.7	5.7	3.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0
115°	7.6	5.7	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
117.5°	7.6	5.7	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
120°	7.6	5.7	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
122.5°	7.6	5.7	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
125°	5.7	3.8	3.8	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
127.5°	5.7	3.8	3.8	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
130°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	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)