

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: P691291

Luminaire Tested: **CRTK2-C015-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691291
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-C015-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 3586 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 29.9
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

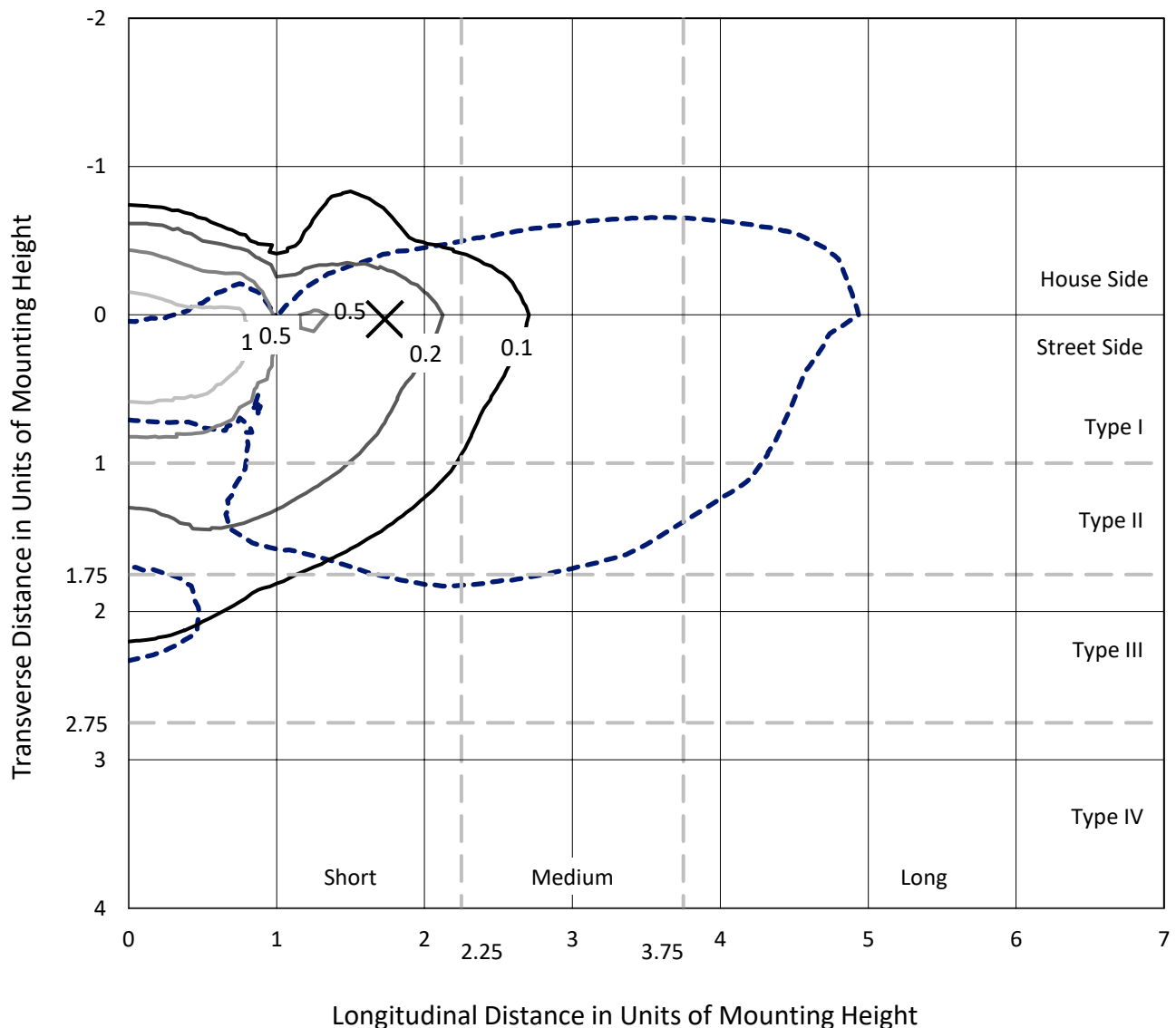


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

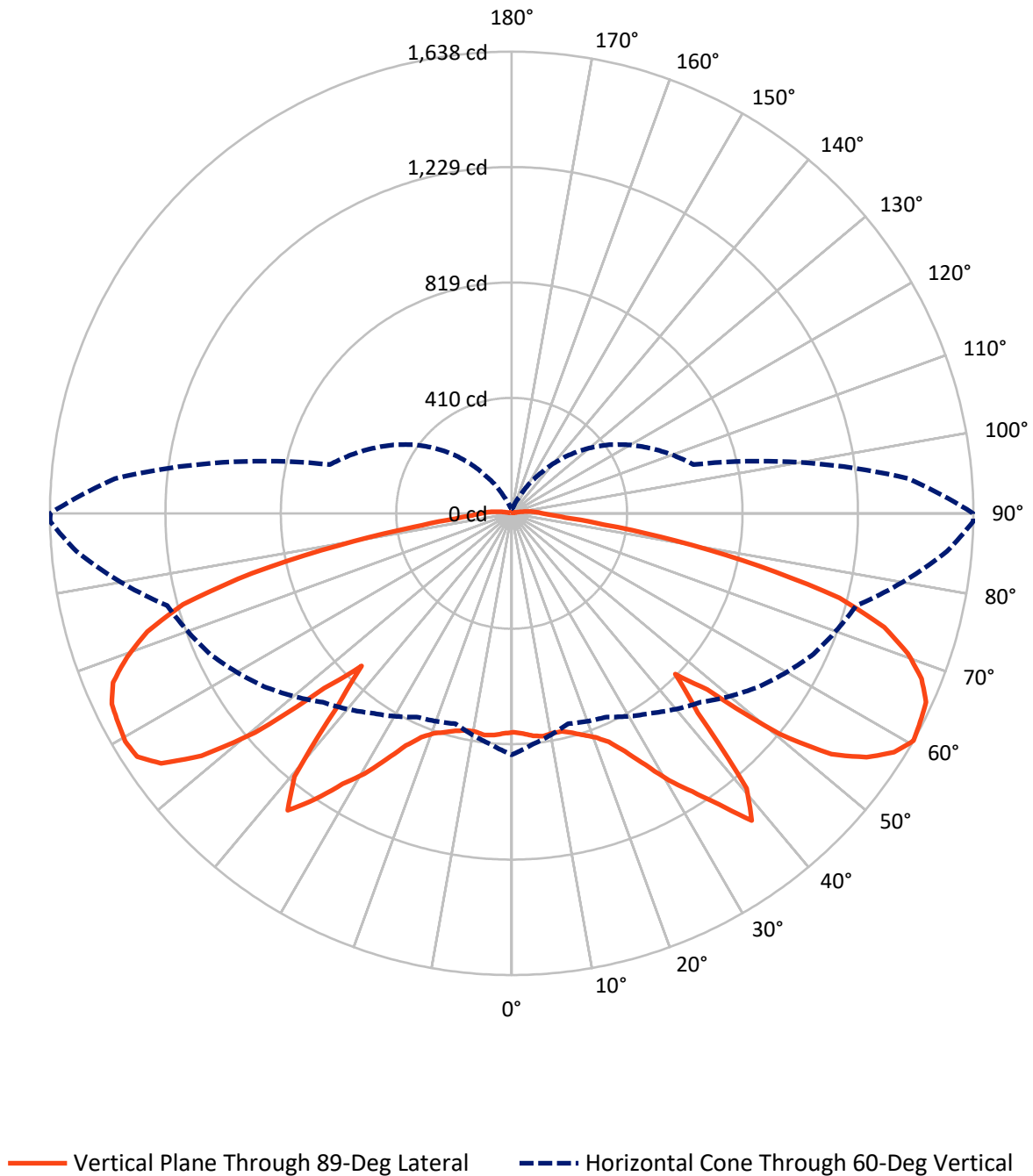


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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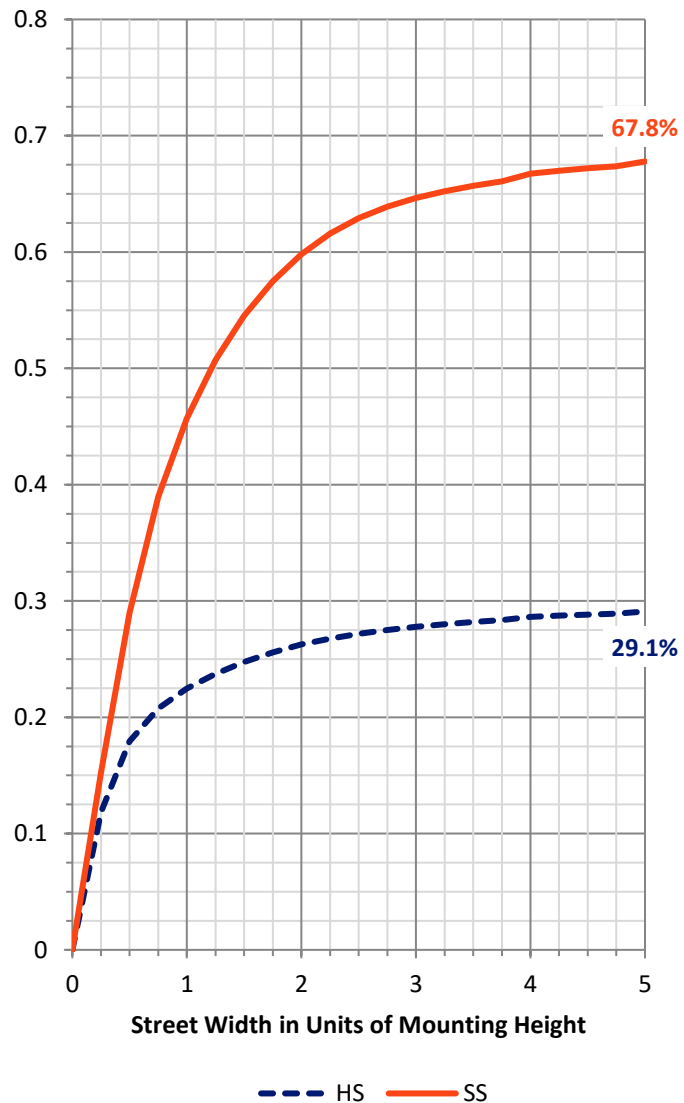
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1064.6	20.0	1084.5
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2462.9	38.5	2501.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	3527.5	58.5	3586.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	2.1
10°-20°	220.6	6.2
20°-30°	364.1	10.2
30°-40°	493.9	13.8
40°-50°	411.4	11.5
50°-60°	569.7	15.9
60°-70°	702.1	19.6
70°-80°	531.6	14.8
80°-90°	159.5	4.4
90°-100°	41.3	1.2
100°-110°	9.4	0.3
110°-120°	4.4	0.1
120°-130°	3.0	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°	3527.5	98.4
0°-180°	3586.0	100.0

Coefficient of Utilization



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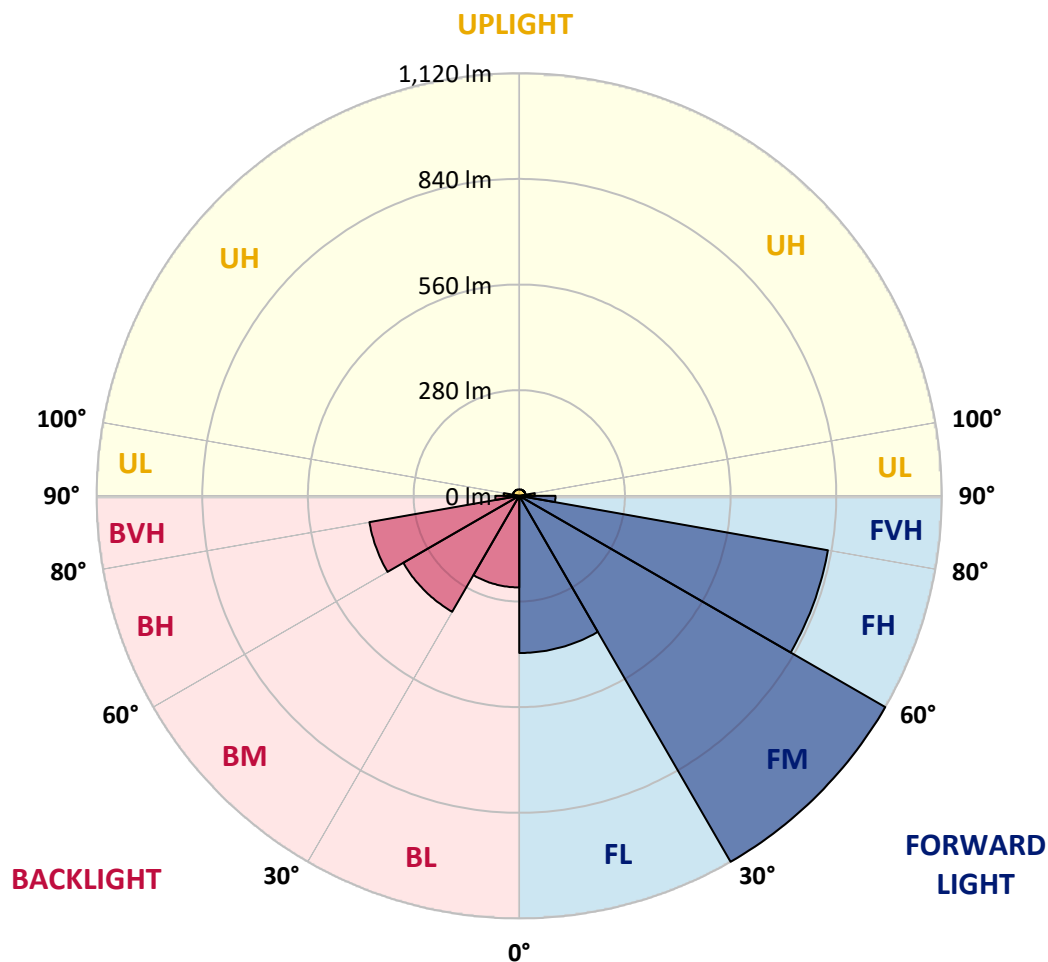
CATALOG NUMBER: CRTK2-C015-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	416.5	11.6			
FM	(30°-60°)	1119.9	31.2			
FH	(60°-80°)	830.5	23.2			G1/1800
FVH	(80°-90°)	95.9	2.7			G1/100
BL	(0°-30°)	242.8	6.8	B1/500		
BM	(30°-60°)	354.9	9.9	B1/1000		
BH	(60°-80°)	403.2	11.2	B1/500		G1/500
BVH	(80°-90°)	63.6	1.8			G1/100
UL	(90°-100°)	41.3	1.2		U2/50	
UH	(100°-180°)	17.2	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2
2.5°	815.7	811.4	811.4	811.4	802.9	802.9	797.2	794.3	788.6	784.3	782.9
5°	862.6	859.8	859.8	858.4	849.8	844.1	832.7	822.8	814.2	800.0	792.9
7.5°	899.6	895.4	895.4	894.0	885.4	878.3	865.5	842.7	825.6	810.0	798.6
10°	912.5	911.0	909.6	905.3	898.2	892.5	881.1	859.8	832.7	807.1	792.9
12.5°	936.7	936.7	932.4	926.7	921.0	915.3	899.6	882.6	852.7	812.8	794.3
15°	968.0	965.1	962.3	959.4	955.2	946.6	932.4	911.0	876.9	828.5	808.5
17.5°	980.8	979.4	979.4	980.8	979.4	973.7	970.8	946.6	911.0	849.8	827.1
20°	983.6	985.1	987.9	997.9	1000.7	997.9	1002.1	987.9	946.6	878.3	848.4
22.5°	1000.7	1003.6	1009.3	1019.2	1023.5	1027.8	1032.0	1043.4	1002.1	922.4	881.1
25°	993.6	996.4	1013.5	1029.2	1044.8	1057.7	1084.7	1110.3	1080.4	987.9	935.2
27.5°	975.1	980.8	1010.7	1042.0	1080.4	1114.6	1164.4	1195.7	1171.5	1070.5	1010.7
30°	990.8	990.8	1010.7	1056.2	1106.1	1182.9	1248.4	1284.0	1266.9	1150.2	1098.9
32.5°	958.0	966.6	1007.8	1076.2	1153.0	1251.3	1315.3	1377.9	1383.6	1256.9	1177.2
35°	856.9	871.2	905.3	996.4	1114.6	1285.4	1397.9	1481.9	1508.9	1385.1	1268.3
37.5°	706.1	716.0	775.8	866.9	1007.8	1171.5	1352.3	1543.1	1618.5	1467.6	1383.6
40°	624.9	632.0	667.6	743.1	872.6	1030.6	1173.0	1356.6	1397.9	1339.5	1284.0
42.5°	597.9	609.3	653.4	723.1	828.5	939.5	962.3	1030.6	1009.3	1016.4	968.0
45°	634.9	639.1	671.9	733.1	797.2	827.1	797.2	844.1	866.9	862.6	814.2
47.5°	653.4	660.5	696.1	774.4	774.4	775.8	812.8	841.3	906.8	968.0	933.8
50°	560.9	570.8	636.3	698.9	708.9	827.1	923.8	979.4	1047.7	1211.4	1231.3
52.5°	528.1	535.2	606.4	731.7	804.3	925.3	985.1	1036.3	1094.7	1365.1	1420.6
55°	577.9	590.8	674.7	804.3	884.0	956.6	1033.5	1107.5	1170.1	1486.1	1527.4
57.5°	667.6	691.8	743.1	815.7	891.1	956.6	1059.1	1150.2	1232.7	1533.1	1600.0
60°	856.9	824.2	773.0	797.2	865.5	948.0	1071.9	1181.5	1265.5	1550.2	1638.4
62.5°	945.2	921.0	795.7	763.0	822.8	918.2	1047.7	1181.5	1254.1	1517.4	1627.1
65°	913.9	894.0	804.3	723.1	770.1	876.9	1010.7	1164.4	1228.5	1476.2	1615.7
67.5°	778.7	758.7	730.3	700.4	720.3	835.6	976.5	1133.1	1200.0	1442.0	1568.7
70°	633.5	622.1	612.1	634.9	671.9	773.0	908.2	1063.4	1143.1	1359.4	1491.8
72.5°	539.5	532.4	515.3	538.1	596.4	689.0	805.7	960.9	1056.2	1219.9	1382.2
75°	458.4	454.1	448.4	459.8	496.8	583.6	676.2	828.5	943.8	1064.8	1201.4
77.5°	371.5	365.8	378.6	381.5	410.0	472.6	532.4	659.1	787.2	835.6	896.8
80°	270.5	276.2	297.5	289.0	310.3	331.7	374.4	429.9	531.0	585.1	589.3
82.5°	189.3	195.0	214.9	193.6	199.3	200.7	216.4	236.3	277.6	323.1	328.8
85°	133.8	136.7	140.9	125.3	125.3	125.3	135.2	146.6	168.0	186.5	190.7
87.5°	95.4	95.4	101.1	95.4	94.0	92.5	98.2	102.5	115.3	128.1	131.0
90°	71.2	71.2	74.0	71.2	71.2	71.2	76.9	81.1	92.5	103.9	105.3
92.5°	51.2	51.2	55.5	54.1	54.1	55.5	61.2	64.1	74.0	85.4	86.8
95°	39.9	39.9	42.7	41.3	41.3	44.1	48.4	51.2	58.4	64.1	65.5
97.5°	28.5	28.5	29.9	29.9	29.9	29.9	32.7	37.0	45.6	45.6	44.1
100°	19.9	19.9	21.4	19.9	19.9	21.4	21.4	24.2	28.5	27.0	27.0
102.5°	14.2	14.2	14.2	14.2	14.2	12.8	12.8	14.2	15.7	14.2	14.2
105°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.5
107.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.1	7.1
110°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.7



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CATALOG NUMBER: CRTK2-C015-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.7	5.7
115°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.7	5.7
117.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
120°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
122.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
125°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.7	4.3
127.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
130°	4.3	2.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.8
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°	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2	777.2
2.5°	781.5	778.7	770.1	760.1	751.6	744.5	737.4	731.7	730.3	727.4	730.3
5°	791.5	781.5	761.6	748.8	737.4	726.0	714.6	708.9	704.6	701.8	701.8
7.5°	795.7	781.5	758.7	741.6	717.4	693.2	679.0	667.6	663.3	667.6	667.6
10°	788.6	771.5	744.5	718.9	686.1	666.2	646.3	636.3	630.6	630.6	626.3
12.5°	791.5	771.5	731.7	693.2	666.2	630.6	606.4	595.0	586.5	589.3	589.3
15°	802.9	775.8	720.3	681.9	634.9	606.4	576.5	569.4	568.0	563.7	560.9
17.5°	819.9	780.1	717.4	656.2	607.8	573.7	545.2	532.4	525.3	521.0	519.6
20°	838.4	785.8	708.9	632.0	579.4	535.2	501.1	484.0	478.3	478.3	475.4
22.5°	869.8	805.7	701.8	620.6	540.9	496.8	462.6	438.4	427.0	425.6	424.2
25°	921.0	844.1	708.9	595.0	518.2	452.7	414.2	392.9	380.1	375.8	375.8
27.5°	999.3	896.8	718.9	580.8	471.2	411.4	368.7	335.9	317.4	318.9	320.3
30°	1083.3	975.1	747.3	558.0	441.3	353.0	301.8	276.2	259.1	253.4	250.5
32.5°	1151.6	1056.2	788.6	539.5	385.8	281.9	237.7	219.2	200.7	185.1	179.4
35°	1256.9	1124.6	824.2	512.5	340.2	230.6	192.2	163.7	148.0	140.9	138.1
37.5°	1352.3	1191.5	851.3	506.8	276.2	197.9	152.3	122.4	106.8	105.3	105.3
40°	1237.0	1107.5	831.3	461.2	217.8	153.7	109.6	86.8	75.4	69.8	69.8
42.5°	946.6	848.4	633.5	384.3	156.6	103.9	69.8	65.5	64.1	58.4	58.4
45°	792.9	626.3	384.3	200.7	74.0	56.9	49.8	49.8	51.2	55.5	55.5
47.5°	952.3	740.2	283.3	143.8	72.6	49.8	44.1	39.9	37.0	35.6	35.6
50°	1232.7	1053.4	361.6	170.8	86.8	51.2	39.9	35.6	34.2	32.7	29.9
52.5°	1437.7	1234.2	476.9	260.5	139.5	65.5	39.9	29.9	22.8	19.9	18.5
55°	1561.6	1392.2	562.3	374.4	226.3	109.6	49.8	27.0	19.9	17.1	15.7
57.5°	1628.5	1410.7	633.5	476.9	333.1	195.0	86.8	32.7	19.9	15.7	15.7
60°	1637.0	1413.5	667.6	545.2	424.2	296.1	165.1	64.1	25.6	18.5	17.1
62.5°	1629.9	1389.3	676.2	572.2	479.7	378.6	260.5	126.7	39.9	21.4	19.9
65°	1617.1	1390.8	637.7	548.0	479.7	405.7	301.8	166.5	56.9	24.2	22.8
67.5°	1574.4	1386.5	616.4	495.4	434.2	363.0	270.5	155.2	65.5	29.9	28.5
70°	1487.6	1335.2	603.6	474.0	407.1	323.1	227.8	123.8	74.0	51.2	55.5
72.5°	1389.3	1242.7	590.8	455.5	397.2	321.7	229.2	133.8	99.6	84.0	89.7
75°	1242.7	1081.9	568.0	437.0	391.5	331.7	232.0	126.7	94.0	75.4	74.0
77.5°	956.6	899.6	518.2	391.5	355.9	306.1	197.9	96.8	69.8	52.7	51.2
80°	624.9	617.8	404.3	316.0	300.4	270.5	165.1	75.4	55.5	42.7	39.9
82.5°	353.0	338.8	252.0	199.3	212.1	219.2	133.8	56.9	42.7	34.2	31.3
85°	200.7	203.6	146.6	108.2	109.6	129.5	86.8	39.9	27.0	19.9	18.5
87.5°	138.1	142.3	95.4	72.6	65.5	61.2	45.6	24.2	15.7	10.0	7.1
90°	112.5	112.5	71.2	52.7	45.6	39.9	25.6	14.2	11.4	5.7	4.3
92.5°	91.1	95.4	59.8	42.7	35.6	31.3	19.9	10.0	7.1	4.3	2.8
95°	68.3	72.6	48.4	35.6	28.5	24.2	17.1	8.5	5.7	2.8	2.8
97.5°	47.0	47.0	34.2	27.0	22.8	18.5	12.8	7.1	4.3	2.8	2.8
100°	27.0	28.5	19.9	17.1	15.7	14.2	8.5	5.7	2.8	1.4	1.4
102.5°	14.2	14.2	10.0	10.0	8.5	8.5	7.1	4.3	2.8	1.4	1.4
105°	8.5	8.5	7.1	7.1	5.7	5.7	4.3	2.8	1.4	0.0	1.4
107.5°	7.1	7.1	5.7	5.7	4.3	4.3	2.8	2.8	1.4	0.0	0.0
110°	5.7	5.7	4.3	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	5.7	4.3	4.3	2.8	2.8	2.8	1.4	1.4	0.0	0.0
115°	5.7	4.3	4.3	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0
117.5°	5.7	4.3	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
120°	5.7	4.3	2.8	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0
122.5°	5.7	4.3	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
125°	4.3	4.3	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0
127.5°	4.3	4.3	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0
130°	4.3	4.3	2.8	2.8	1.4	1.4	1.4	1.4	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)