

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: P691320

Luminaire Tested: **CRTK2-C015-D-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3978.9 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
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



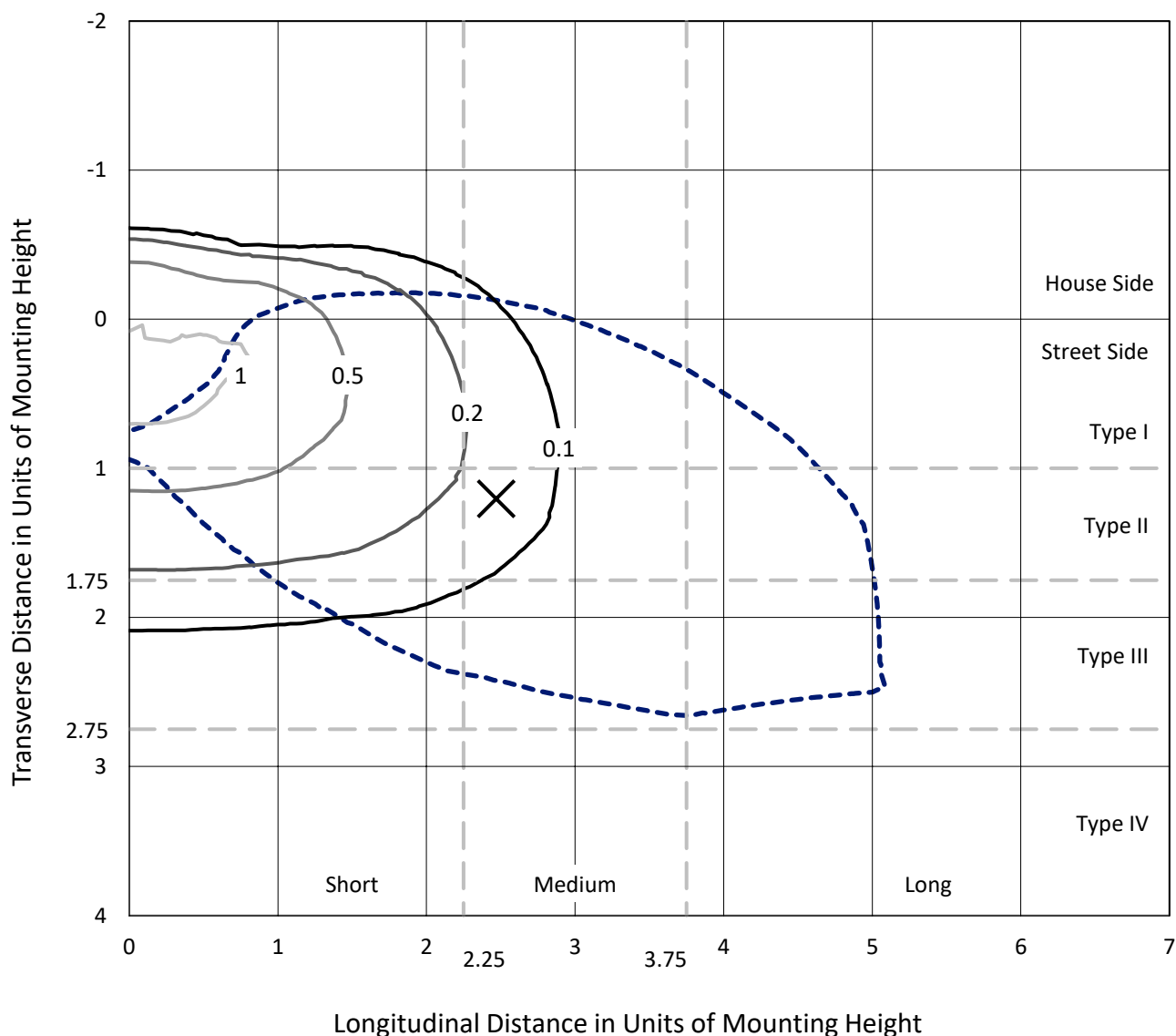
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

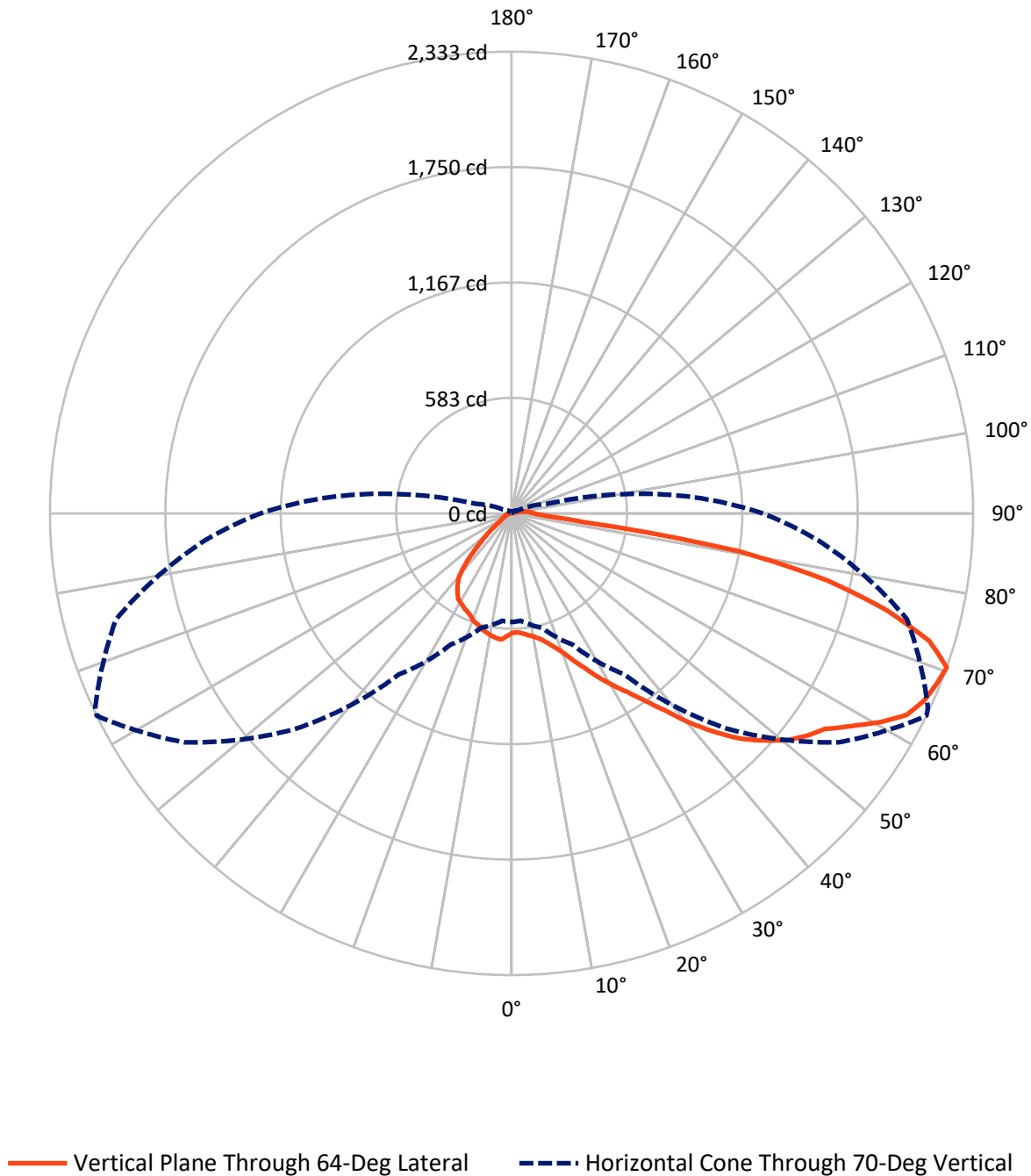
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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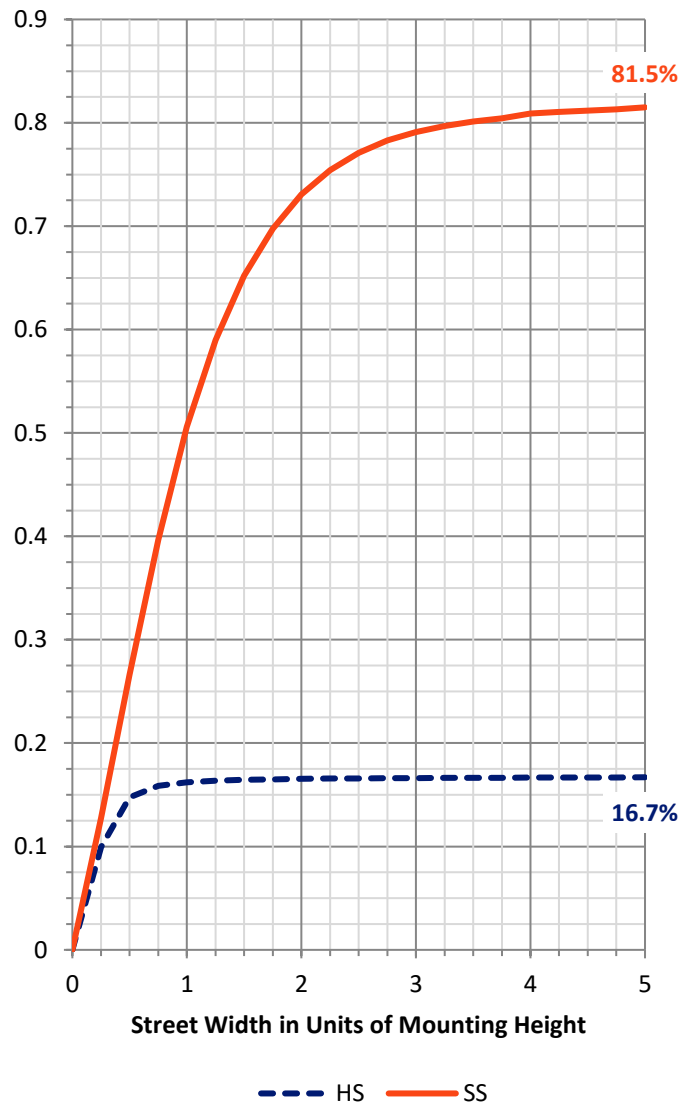
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.8	8.2	683.0
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	3262.4	33.5	3296.0
	% Fixture	82.0	0.8	82.8
Total	Lumens	3937.2	41.7	3978.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.5
10°-20°	183.4	4.6
20°-30°	317.0	8.0
30°-40°	470.4	11.8
40°-50°	646.2	16.2
50°-60°	784.7	19.7
60°-70°	833.7	21.0
70°-80°	550.8	13.8
80°-90°	91.2	2.3
90°-100°	34.0	0.9
100°-110°	5.7	0.1
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3937.2	99.0
0°-180°	3978.9	100.0

Coefficient of Utilization



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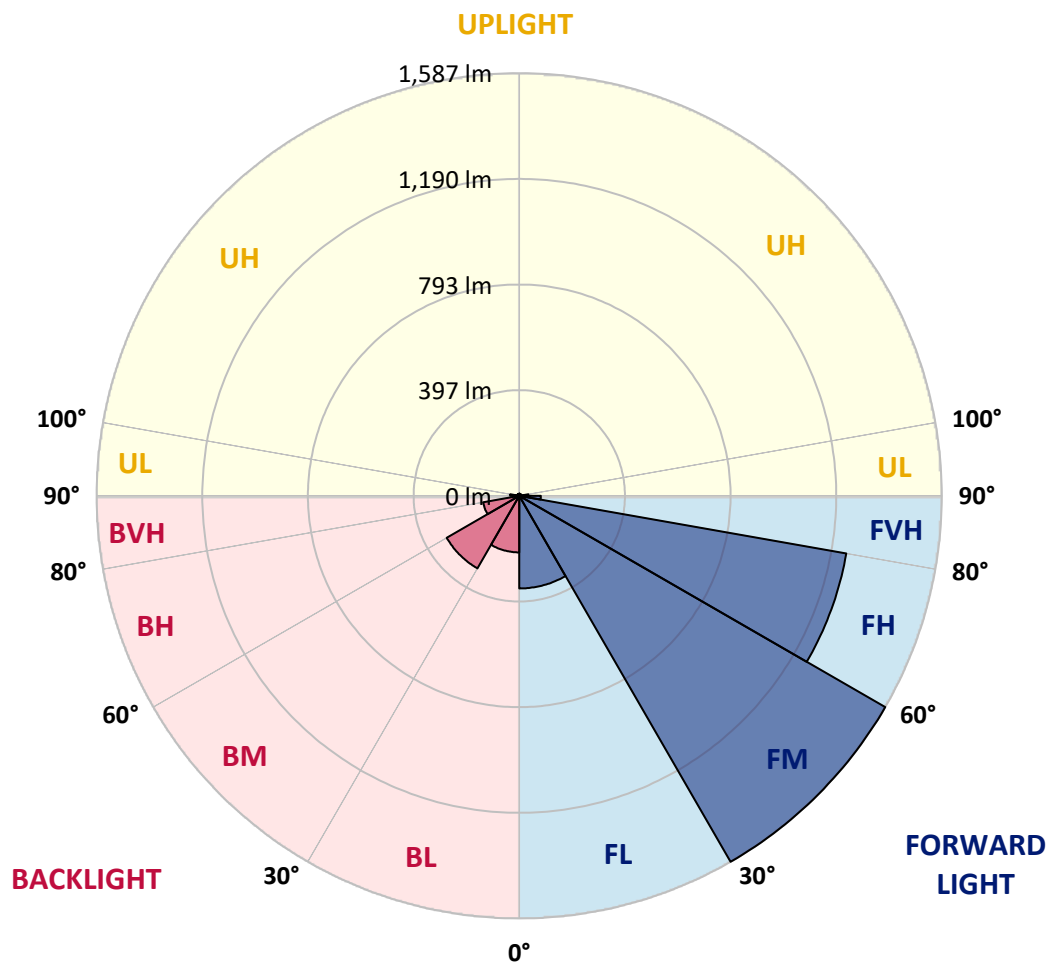
CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.8	8.7			
FM	(30°-60°)	1586.8	39.9			
FH	(60°-80°)	1246.9	31.3			G1/1800
FVH	(80°-90°)	81.0	2.0			G1/100
BL	(0°-30°)	212.4	5.3	B1/500		
BM	(30°-60°)	314.6	7.9	B1/1000		
BH	(60°-80°)	137.6	3.5	B1/500		G1/500
BVH	(80°-90°)	10.2	0.3			G1/100
UL	(90°-100°)	34.0	0.9		U2/50	
UH	(100°-180°)	7.7	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6
2.5°	607.9	606.4	607.9	606.4	605.0	603.6	602.2	602.2	600.7	602.2	603.6
5°	634.9	636.3	633.5	627.8	620.7	615.0	612.1	610.7	610.7	612.1	617.8
7.5°	654.8	653.4	652.0	650.6	644.9	632.1	624.9	622.1	622.1	619.3	629.2
10°	690.4	687.6	680.5	671.9	666.2	652.0	639.2	634.9	633.5	634.9	643.5
12.5°	728.9	726.0	724.6	716.1	696.1	683.3	662.0	652.0	652.0	652.0	656.3
15°	784.4	780.1	765.9	755.9	738.8	717.5	693.3	679.0	679.0	681.9	670.5
17.5°	824.2	821.4	820.0	802.9	788.7	755.9	737.4	713.2	713.2	718.9	694.7
20°	865.5	862.7	864.1	861.3	839.9	814.3	781.5	753.1	753.1	754.5	720.3
22.5°	921.0	916.8	916.8	915.4	904.0	874.1	835.6	811.4	807.2	795.8	753.1
25°	976.6	975.1	972.3	973.7	970.9	936.7	895.4	868.4	868.4	852.7	797.2
27.5°	1032.1	1032.1	1030.7	1032.1	1030.7	1009.3	968.0	939.6	941.0	921.0	845.6
30°	1071.9	1070.5	1080.5	1084.8	1087.6	1079.1	1039.2	1007.9	1010.7	990.8	902.5
32.5°	1109.0	1107.5	1124.6	1134.6	1137.4	1136.0	1103.3	1077.6	1084.8	1066.3	970.9
35°	1143.1	1141.7	1164.5	1190.1	1201.5	1198.6	1177.3	1163.1	1170.2	1168.8	1063.4
37.5°	1168.8	1173.0	1202.9	1238.5	1258.4	1259.9	1249.9	1265.6	1274.1	1302.6	1178.7
40°	1198.6	1198.6	1227.1	1265.6	1301.1	1315.4	1323.9	1395.1	1403.6	1409.3	1255.6
42.5°	1167.3	1175.9	1237.1	1294.0	1339.6	1372.3	1419.3	1511.8	1530.3	1487.6	1349.5
45°	1143.1	1150.2	1212.9	1308.3	1373.7	1435.0	1523.2	1625.7	1640.0	1565.9	1399.4
47.5°	1117.5	1128.9	1193.0	1298.3	1406.5	1511.8	1610.1	1715.4	1728.2	1632.8	1469.1
50°	1087.6	1100.4	1168.8	1284.1	1423.6	1584.4	1688.4	1802.2	1803.7	1691.2	1507.6
52.5°	1059.1	1067.7	1138.9	1265.6	1437.8	1640.0	1762.4	1867.7	1859.2	1765.2	1548.8
55°	1010.7	1027.8	1103.3	1239.9	1444.9	1671.3	1813.6	1923.2	1928.9	1844.9	1604.4
57.5°	966.6	978.0	1057.7	1202.9	1439.2	1689.8	1863.5	2027.2	2038.6	1916.1	1644.2
60°	911.1	918.2	995.1	1151.7	1402.2	1721.1	1974.5	2142.5	2155.3	1984.5	1659.9
62.5°	841.3	841.3	918.2	1083.3	1355.2	1743.9	2051.4	2242.1	2242.1	2038.6	1665.6
65°	751.6	755.9	824.2	990.8	1276.9	1731.1	2074.1	2289.1	2293.4	2077.0	1662.7
67.5°	664.8	663.4	723.2	869.8	1158.8	1664.2	2057.1	2313.3	2330.4	2099.8	1625.7
70°	549.5	545.2	600.7	733.1	993.7	1537.5	2017.2	2333.2	2321.8	2069.9	1553.1
72.5°	422.8	418.5	459.8	560.9	783.0	1319.6	1900.5	2208.0	2188.0	1907.6	1403.6
75°	300.4	294.7	327.4	394.3	515.3	965.2	1630.0	1958.8	1936.1	1715.4	1171.6
77.5°	170.8	165.1	195.0	249.1	311.8	546.7	1234.2	1632.8	1664.2	1415.0	895.4
80°	75.4	72.6	85.4	119.6	175.1	260.5	671.9	1167.3	1124.6	965.2	509.6
82.5°	64.1	64.1	65.5	68.3	71.2	119.6	252.0	367.3	351.6	283.3	162.3
85°	55.5	54.1	56.9	59.8	61.2	78.3	146.6	176.5	173.7	156.6	112.5
87.5°	45.6	42.7	47.0	49.8	49.8	64.1	109.6	129.5	129.5	131.0	99.6
90°	39.9	39.9	37.0	37.0	38.4	45.6	84.0	106.8	109.6	135.2	115.3
92.5°	34.2	34.2	34.2	34.2	28.5	32.7	59.8	95.4	102.5	132.4	103.9
95°	32.7	31.3	32.7	29.9	28.5	29.9	45.6	84.0	92.5	116.7	91.1
97.5°	22.8	21.4	24.2	24.2	25.6	27.0	38.4	62.6	65.5	86.8	68.3
100°	15.7	14.2	14.2	14.2	18.5	18.5	31.3	38.4	39.9	55.5	45.6
102.5°	8.5	7.1	7.1	7.1	10.0	11.4	15.7	21.4	21.4	29.9	25.6
105°	2.8	2.8	4.3	4.3	4.3	5.7	5.7	7.1	7.1	8.5	11.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4



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CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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°	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6	603.6
2.5°	605.0	607.9	615.0	619.3	624.9	630.6	634.9	634.9	639.2	636.3	634.9
5°	623.5	624.9	633.5	639.2	637.8	632.1	627.8	624.9	626.4	629.2	629.2
7.5°	636.3	642.0	634.9	634.9	633.5	626.4	617.8	609.3	605.0	603.6	603.6
10°	643.5	637.8	634.9	627.8	612.1	607.9	600.7	585.1	580.8	580.8	575.1
12.5°	647.7	644.9	629.2	616.4	602.2	579.4	563.7	560.9	548.1	546.7	548.1
15°	664.8	650.6	630.6	606.4	579.4	559.5	538.1	515.3	505.4	506.8	508.2
17.5°	676.2	663.4	627.8	589.4	565.2	528.1	503.9	491.1	475.5	475.5	475.5
20°	694.7	673.3	623.5	582.2	525.3	498.2	469.8	455.5	439.9	412.8	410.0
22.5°	718.9	691.9	622.1	560.9	509.6	465.5	424.2	380.1	357.3	341.7	337.4
25°	748.8	717.5	632.1	550.9	479.7	425.6	373.0	313.2	270.5	261.9	261.9
27.5°	800.0	750.2	644.9	541.0	462.7	381.5	298.9	246.3	209.3	197.9	196.5
30°	849.9	791.5	649.1	531.0	429.9	321.7	230.6	175.1	142.4	128.1	125.3
32.5°	928.2	848.4	686.2	522.5	392.9	259.1	163.7	111.0	84.0	75.4	74.0
35°	1007.9	925.3	699.0	499.7	326.0	189.3	94.0	59.8	45.6	38.4	37.0
37.5°	1110.4	1022.1	737.4	475.5	259.1	108.2	52.7	32.7	28.5	28.5	28.5
40°	1170.2	1064.8	771.6	444.2	177.9	55.5	31.3	25.6	25.6	24.2	24.2
42.5°	1247.0	1117.5	801.5	382.9	94.0	34.2	27.0	24.2	21.4	21.4	21.4
45°	1291.2	1151.7	791.5	307.5	44.1	31.3	25.6	21.4	19.9	19.9	19.9
47.5°	1345.3	1194.4	770.2	227.8	38.4	28.5	24.2	19.9	18.5	19.9	19.9
50°	1399.4	1237.1	716.1	175.1	35.6	27.0	21.4	17.1	17.1	18.5	18.5
52.5°	1426.4	1267.0	652.0	121.0	35.6	25.6	19.9	17.1	15.7	15.7	15.7
55°	1457.7	1274.1	597.9	79.7	34.2	24.2	18.5	14.2	14.2	12.8	12.8
57.5°	1474.8	1255.6	558.0	66.9	32.7	22.8	17.1	12.8	11.4	10.0	10.0
60°	1467.7	1228.5	523.9	58.4	29.9	21.4	15.7	11.4	8.5	7.1	7.1
62.5°	1453.5	1205.8	461.2	51.2	28.5	18.5	12.8	10.0	7.1	5.7	5.7
65°	1437.8	1144.6	388.6	44.1	25.6	17.1	11.4	8.5	5.7	4.3	4.3
67.5°	1365.2	1063.4	284.7	39.9	24.2	15.7	10.0	7.1	5.7	4.3	4.3
70°	1269.8	928.2	183.6	34.2	21.4	14.2	10.0	5.7	4.3	2.8	2.8
72.5°	1080.5	757.3	92.5	29.9	19.9	14.2	8.5	5.7	4.3	2.8	1.4
75°	882.6	565.2	59.8	25.6	18.5	14.2	8.5	5.7	2.8	1.4	1.4
77.5°	632.1	306.1	45.6	22.8	15.7	14.2	7.1	4.3	2.8	2.8	1.4
80°	263.4	111.0	37.0	18.5	14.2	12.8	7.1	4.3	2.8	2.8	1.4
82.5°	111.0	76.9	32.7	15.7	12.8	12.8	5.7	4.3	2.8	2.8	2.8
85°	86.8	64.1	28.5	14.2	11.4	14.2	5.7	4.3	4.3	4.3	4.3
87.5°	81.1	65.5	25.6	12.8	11.4	10.0	5.7	4.3	7.1	7.1	8.5
90°	91.1	68.3	19.9	11.4	10.0	8.5	4.3	2.8	2.8	0.0	0.0
92.5°	84.0	62.6	14.2	8.5	12.8	5.7	2.8	0.0	0.0	0.0	0.0
95°	72.6	52.7	8.5	5.7	14.2	7.1	1.4	0.0	0.0	0.0	0.0
97.5°	54.1	38.4	5.7	2.8	11.4	8.5	1.4	0.0	0.0	0.0	0.0
100°	38.4	24.2	4.3	2.8	7.1	8.5	1.4	0.0	0.0	0.0	0.0
102.5°	21.4	12.8	2.8	1.4	2.8	2.8	0.0	0.0	0.0	0.0	0.0
105°	10.0	4.3	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
135°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	1.4	1.4	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)