

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: P691358

Luminaire Tested: **CRTK2-C015-D-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T5R-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4568 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U2 - G1

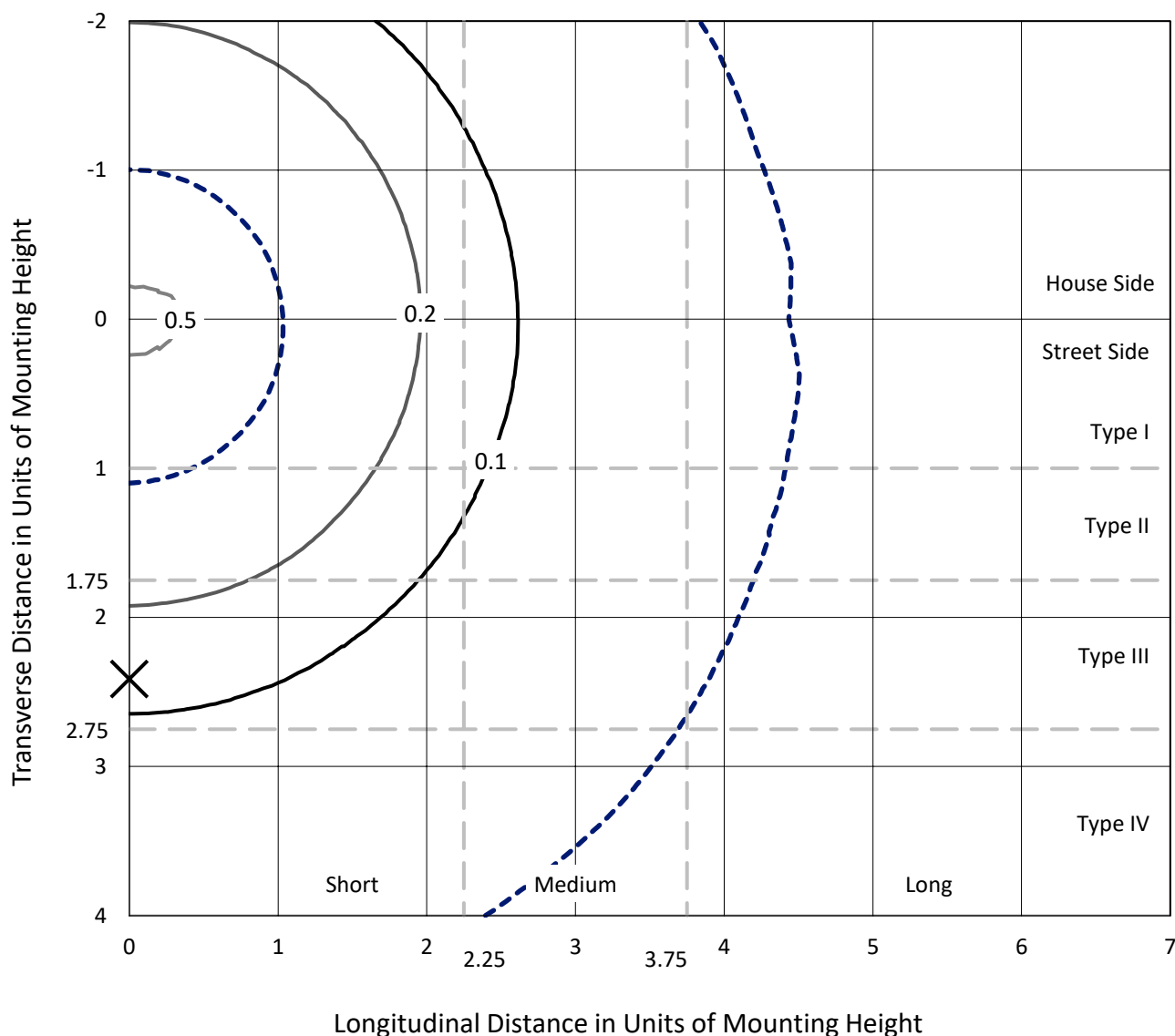
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

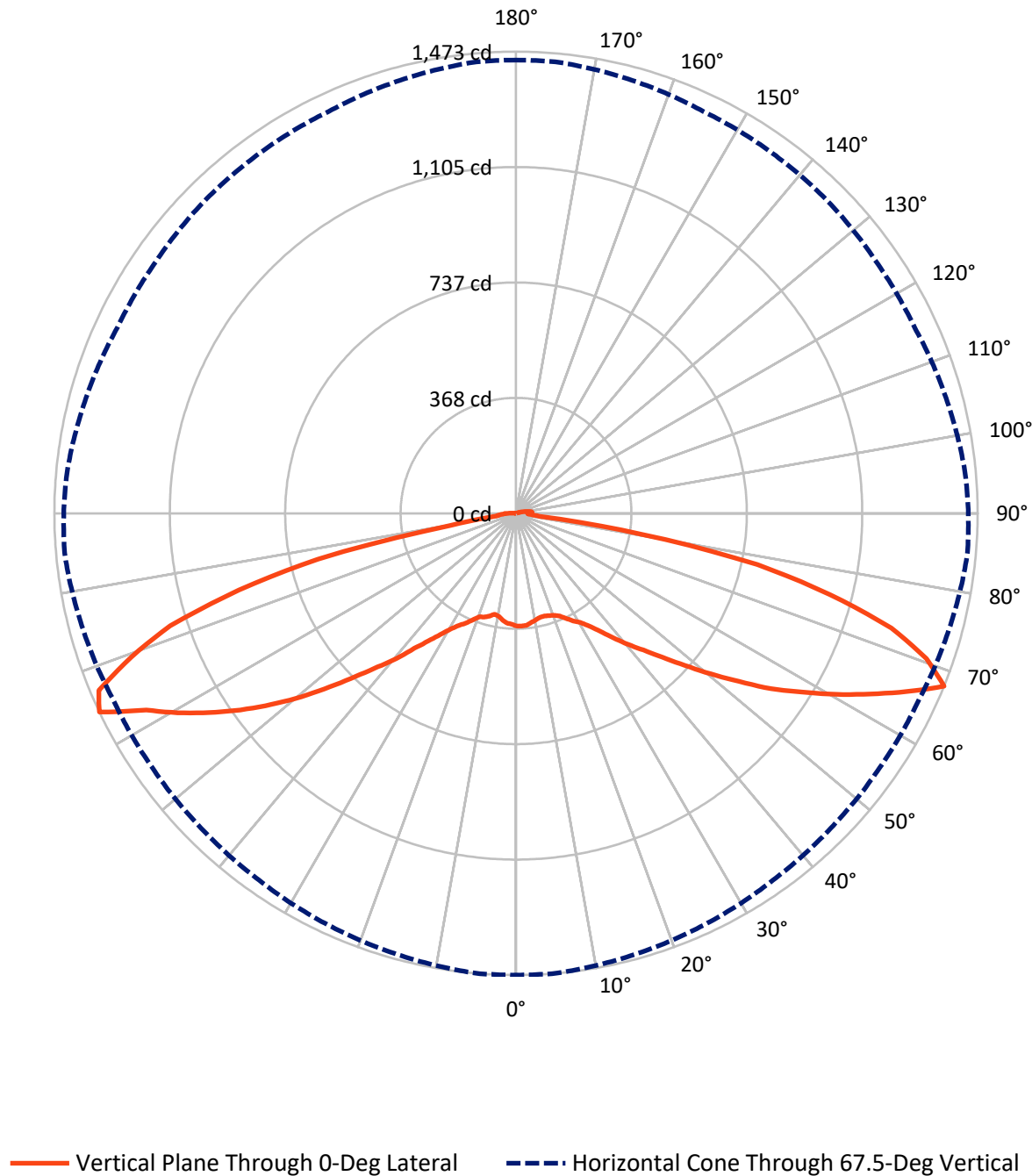
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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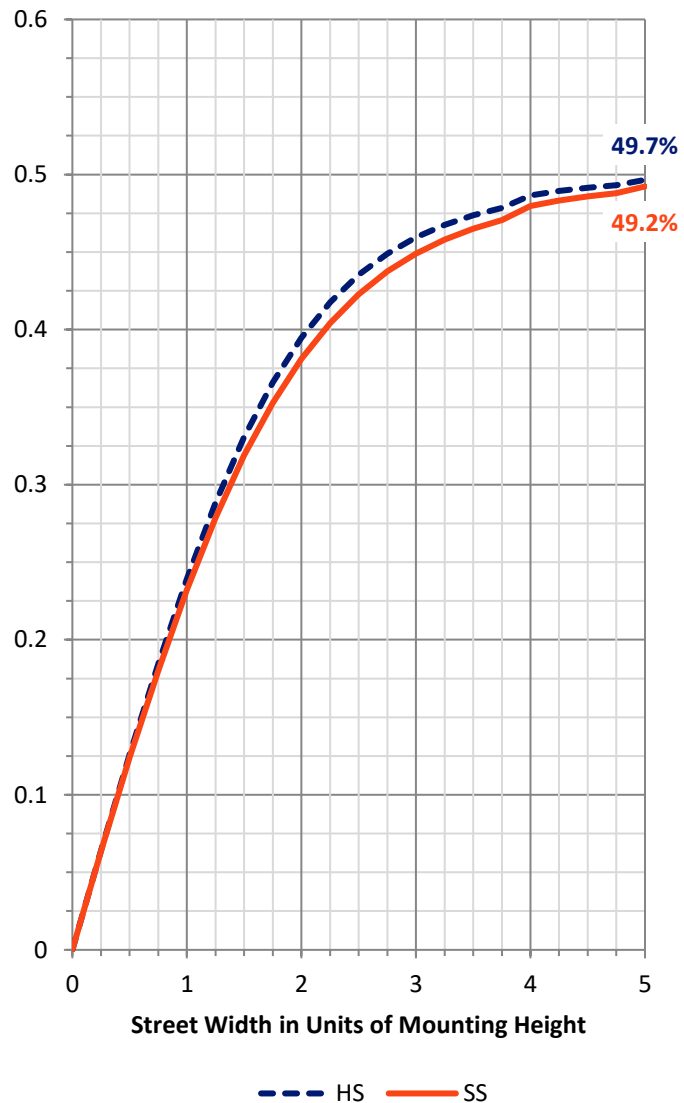
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2261.7	21.4	2283.1
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2254.5	30.3	2284.9
	% Fixture	49.4	0.7	50.0
Total	Lumens	4516.2	51.7	4568.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	0.7
10°-20°	99.4	2.2
20°-30°	179.7	3.9
30°-40°	309.9	6.8
40°-50°	549.7	12.0
50°-60°	935.8	20.5
60°-70°	1340.7	29.4
70°-80°	974.8	21.3
80°-90°	92.6	2.0
90°-100°	41.8	0.9
100°-110°	10.0	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	4516.2	98.9
0°-180°	4568.0	100.0

Coefficient of Utilization



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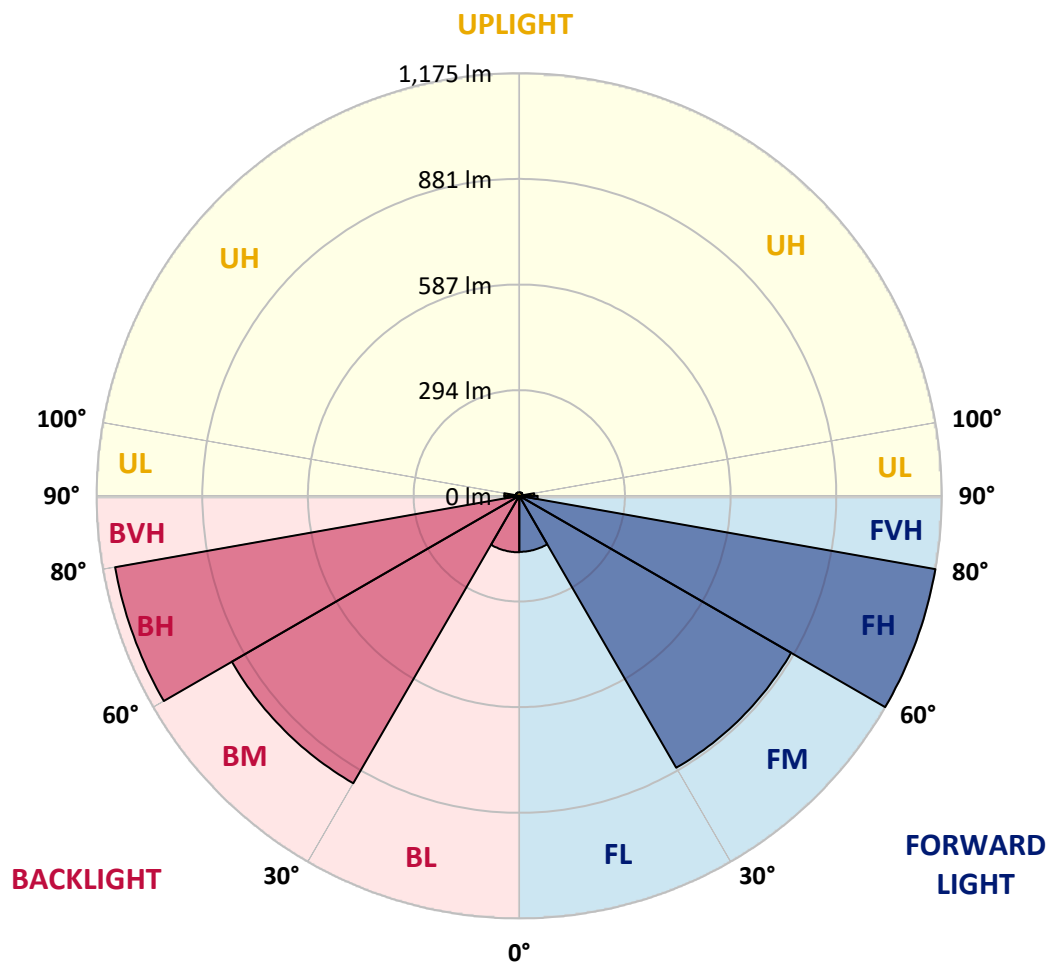
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.7	3.4			
FM	(30°-60°)	872.7	19.1			
FH	(60°-80°)	1174.7	25.7			G1/1800
FVH	(80°-90°)	51.4	1.1			G1/100
BL	(0°-30°)	157.1	3.4	B1/500		
BM	(30°-60°)	922.6	20.2	B1/1000		
BH	(60°-80°)	1140.8	25.0	B3/2500		G1/1800
BVH	(80°-90°)	41.1	0.9			G1/100
UL	(90°-100°)	41.8	0.9		U2/50	
UH	(100°-180°)	10.0	0.2		U1/10	

BUG Rating: B3-U2-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1
2.5°	360.1	360.1	360.1	360.1	360.1	360.1	358.7	355.8	355.8	355.8	355.8
5°	358.7	358.7	358.7	358.7	360.1	360.1	360.1	357.3	357.3	357.3	357.3
7.5°	351.6	351.6	353.0	353.0	354.4	355.8	354.4	354.4	354.4	355.8	355.8
10°	345.9	345.9	347.3	347.3	348.7	348.7	351.6	351.6	353.0	354.4	354.4
12.5°	340.2	340.2	341.6	344.4	345.9	347.3	348.7	350.1	353.0	354.4	354.4
15°	340.2	340.2	340.2	343.0	347.3	350.1	351.6	354.4	357.3	358.7	360.1
17.5°	343.0	343.0	343.0	345.9	348.7	353.0	357.3	358.7	361.5	364.4	364.4
20°	347.3	347.3	348.7	351.6	355.8	358.7	361.5	365.8	368.6	371.5	372.9
22.5°	355.8	357.3	357.3	358.7	362.9	367.2	370.1	372.9	377.2	380.0	382.9
25°	371.5	370.1	370.1	372.9	375.8	380.0	381.4	384.3	388.6	392.8	394.3
27.5°	388.6	387.1	387.1	390.0	392.8	395.7	397.1	401.4	405.6	409.9	411.3
30°	404.2	404.2	405.6	408.5	411.3	415.6	417.0	421.3	424.1	429.8	429.8
32.5°	428.4	429.8	431.3	432.7	435.5	439.8	444.1	445.5	448.3	452.6	455.5
35°	461.2	464.0	464.0	465.4	472.5	476.8	474.0	478.2	482.5	488.2	491.0
37.5°	503.9	502.4	506.7	512.4	513.8	518.1	516.7	519.5	525.2	532.3	536.6
40°	549.4	550.8	550.8	552.2	556.5	557.9	563.6	567.9	573.6	583.6	586.4
42.5°	596.4	599.2	602.1	603.5	610.6	612.0	616.3	622.0	629.1	636.2	639.1
45°	654.7	653.3	660.4	663.3	670.4	678.9	678.9	681.8	693.2	700.3	704.5
47.5°	724.5	727.3	731.6	735.9	747.2	748.7	755.8	760.0	767.2	774.3	775.7
50°	805.6	805.6	809.9	818.4	825.5	832.6	836.9	842.6	848.3	859.7	865.4
52.5°	891.0	892.4	898.1	906.7	918.0	919.5	923.7	933.7	938.0	940.8	950.8
55°	987.8	983.5	987.8	1000.6	1013.4	1012.0	1013.4	1024.8	1031.9	1037.6	1040.4
57.5°	1076.0	1076.0	1080.3	1090.3	1093.1	1097.4	1098.8	1108.8	1117.3	1124.4	1125.8
60°	1172.8	1171.4	1174.2	1182.8	1192.7	1192.7	1191.3	1201.3	1209.8	1211.2	1221.2
62.5°	1269.6	1265.3	1268.2	1273.9	1279.6	1273.9	1279.6	1288.1	1295.2	1300.9	1303.8
65°	1370.7	1365.0	1366.4	1360.7	1352.1	1345.0	1357.8	1382.0	1403.4	1414.8	1416.2
67.5°	1473.1	1473.1	1457.5	1443.2	1429.0	1420.5	1416.2	1416.2	1430.4	1446.1	1443.2
70°	1389.2	1392.0	1379.2	1369.2	1346.5	1339.3	1335.1	1320.8	1328.0	1332.2	1322.3
72.5°	1252.5	1236.9	1231.2	1226.9	1209.8	1197.0	1182.8	1172.8	1168.5	1171.4	1160.0
75°	1034.7	1066.1	1049.0	1040.4	1029.1	1023.4	986.4	975.0	973.5	984.9	984.9
77.5°	787.1	804.2	792.8	797.1	780.0	777.1	762.9	750.1	740.1	737.3	708.8
80°	408.5	421.3	424.1	438.4	435.5	427.0	417.0	380.0	370.1	375.8	348.7
82.5°	74.0	76.9	78.3	79.7	74.0	76.9	78.3	71.2	75.4	74.0	71.2
85°	42.7	42.7	44.1	44.1	41.3	38.4	41.3	39.9	39.9	42.7	42.7
87.5°	37.0	38.4	39.9	39.9	35.6	32.7	35.6	35.6	37.0	38.4	38.4
90°	38.4	38.4	41.3	41.3	37.0	34.2	38.4	39.9	39.9	39.9	41.3
92.5°	51.2	49.8	51.2	51.2	47.0	44.1	49.8	49.8	49.8	49.8	51.2
95°	49.8	48.4	49.8	48.4	45.5	42.7	47.0	48.4	48.4	48.4	49.8
97.5°	42.7	42.7	42.7	42.7	38.4	37.0	42.7	42.7	41.3	41.3	42.7
100°	32.7	31.3	31.3	31.3	29.9	29.9	32.7	31.3	29.9	31.3	32.7
102.5°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	19.9	19.9	19.9	22.8
105°	12.8	12.8	11.4	11.4	11.4	11.4	11.4	10.0	10.0	10.0	12.8
107.5°	4.3	4.3	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	4.3
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1	360.1
2.5°	357.3	357.3	358.7	357.3	357.3	355.8	354.4	353.0	354.4	354.4
5°	357.3	358.7	357.3	355.8	354.4	353.0	353.0	350.1	350.1	351.6
7.5°	355.8	358.7	355.8	354.4	350.1	348.7	347.3	344.4	344.4	344.4
10°	354.4	354.4	353.0	347.3	344.4	340.2	338.7	335.9	334.5	333.1
12.5°	354.4	354.4	350.1	345.9	341.6	335.9	334.5	331.6	330.2	328.8
15°	358.7	360.1	357.3	351.6	344.4	343.0	338.7	337.3	335.9	338.7
17.5°	365.8	364.4	361.5	355.8	351.6	350.1	344.4	344.4	343.0	345.9
20°	372.9	370.1	367.2	364.4	358.7	355.8	355.8	351.6	353.0	350.1
22.5°	381.4	382.9	378.6	374.3	370.1	368.6	367.2	367.2	365.8	365.8
25°	395.7	395.7	392.8	388.6	385.7	382.9	381.4	382.9	380.0	384.3
27.5°	412.8	411.3	411.3	408.5	404.2	402.8	401.4	402.8	401.4	401.4
30°	429.8	432.7	429.8	428.4	425.6	425.6	424.1	424.1	425.6	424.1
32.5°	456.9	458.3	458.3	456.9	454.0	452.6	452.6	454.0	456.9	455.5
35°	492.5	493.9	496.7	499.6	499.6	496.7	493.9	492.5	493.9	493.9
37.5°	539.4	540.9	543.7	543.7	542.3	540.9	542.3	545.1	539.4	539.4
40°	587.8	586.4	589.3	592.1	593.5	592.1	590.7	593.5	596.4	600.6
42.5°	641.9	644.8	646.2	651.9	654.7	654.7	653.3	657.6	659.0	659.0
45°	706.0	713.1	710.2	720.2	728.7	730.2	725.9	728.7	725.9	728.7
47.5°	780.0	785.7	791.4	799.9	804.2	807.0	805.6	808.4	811.3	811.3
50°	864.0	868.2	878.2	889.6	896.7	896.7	891.0	896.7	902.4	901.0
52.5°	952.2	960.7	970.7	980.7	986.4	987.8	987.8	992.1	990.6	990.6
55°	1044.7	1051.8	1064.6	1070.3	1077.4	1080.3	1080.3	1081.7	1080.3	1080.3
57.5°	1133.0	1141.5	1151.5	1162.8	1170.0	1172.8	1170.0	1170.0	1170.0	1167.1
60°	1224.1	1229.7	1239.7	1248.2	1252.5	1258.2	1258.2	1256.8	1255.4	1253.9
62.5°	1308.0	1310.9	1313.7	1315.1	1319.4	1330.8	1330.8	1337.9	1337.9	1336.5
65°	1417.6	1404.8	1393.4	1396.3	1406.2	1416.2	1424.7	1453.2	1467.4	1473.1
67.5°	1439.0	1420.5	1403.4	1402.0	1407.7	1410.5	1414.8	1430.4	1446.1	1446.1
70°	1313.7	1302.3	1286.7	1293.8	1298.1	1293.8	1299.5	1309.4	1323.7	1310.9
72.5°	1151.5	1133.0	1144.3	1151.5	1144.3	1138.7	1141.5	1140.1	1150.0	1160.0
75°	972.1	933.7	933.7	933.7	936.5	923.7	923.7	925.2	943.7	918.0
77.5°	720.2	693.2	686.0	657.6	654.7	637.6	649.0	641.9	659.0	649.0
80°	335.9	324.5	320.2	291.8	286.1	240.5	257.6	229.2	237.7	213.5
82.5°	69.7	68.3	66.9	59.8	54.1	47.0	55.5	62.6	64.0	62.6
85°	44.1	45.5	45.5	42.7	39.9	35.6	42.7	52.7	55.5	55.5
87.5°	38.4	39.9	39.9	38.4	35.6	31.3	35.6	39.9	41.3	39.9
90°	41.3	42.7	41.3	39.9	37.0	32.7	37.0	38.4	31.3	32.7
92.5°	49.8	49.8	48.4	48.4	47.0	41.3	45.5	37.0	14.2	4.3
95°	48.4	47.0	47.0	45.5	44.1	37.0	37.0	10.0	0.0	0.0
97.5°	41.3	38.4	38.4	37.0	37.0	31.3	22.8	0.0	0.0	0.0
100°	31.3	27.0	27.0	25.6	25.6	21.3	8.5	0.0	0.0	0.0
102.5°	21.3	17.1	15.7	14.2	14.2	12.8	1.4	0.0	0.0	0.0
105°	11.4	7.1	5.7	4.3	4.3	2.8	0.0	0.0	0.0	0.0
107.5°	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)