

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: P691352

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2912 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - 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

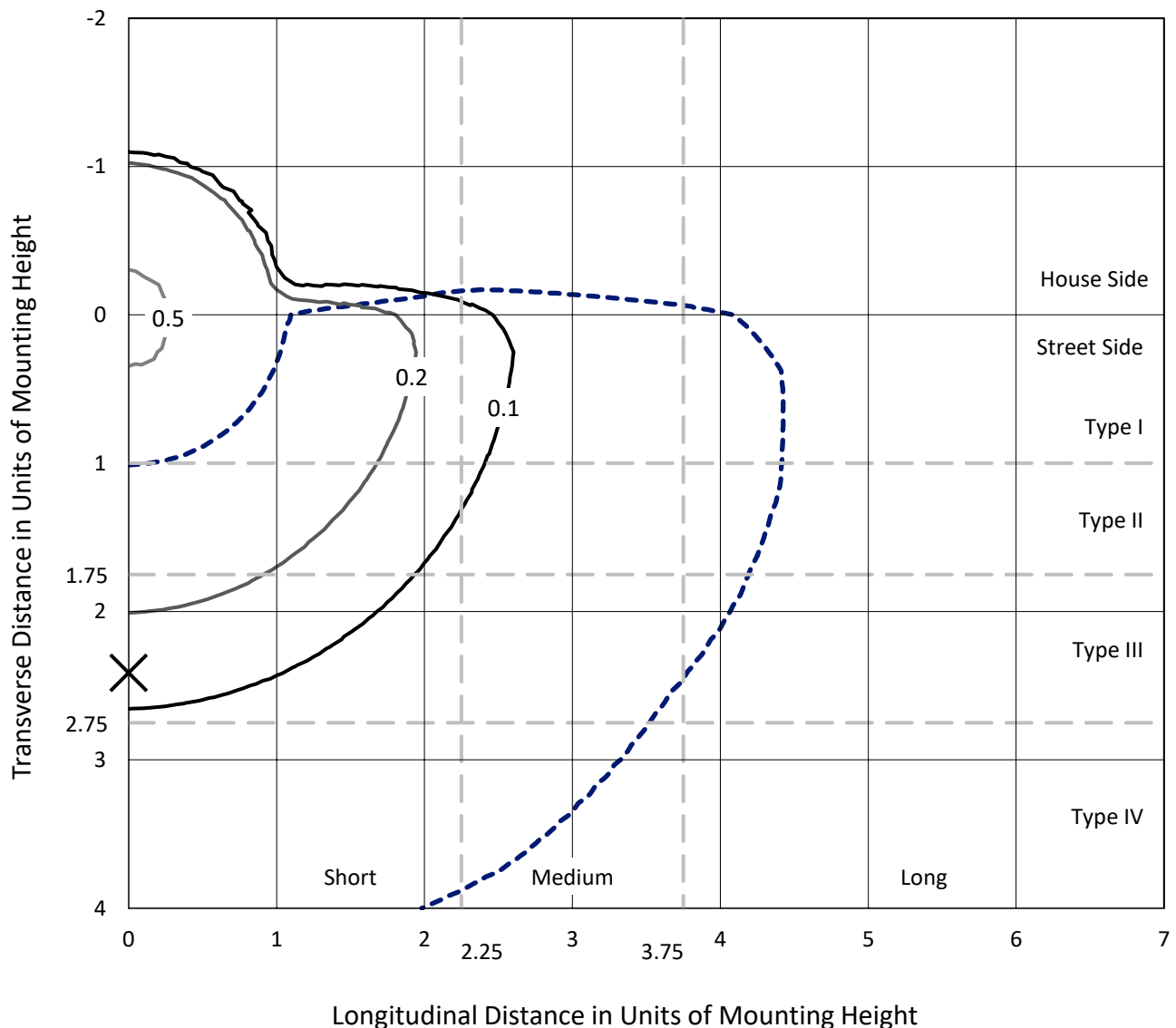


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

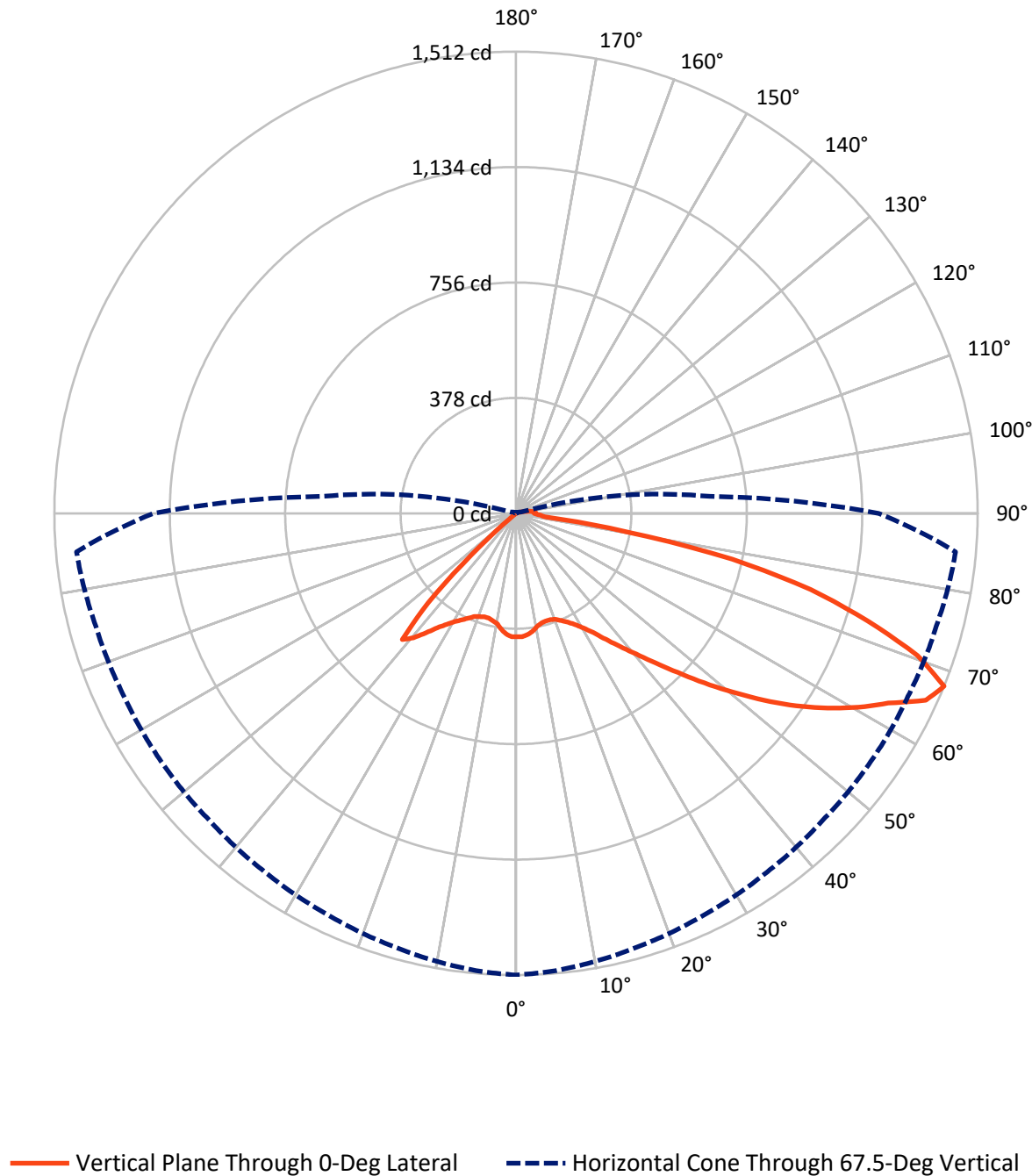


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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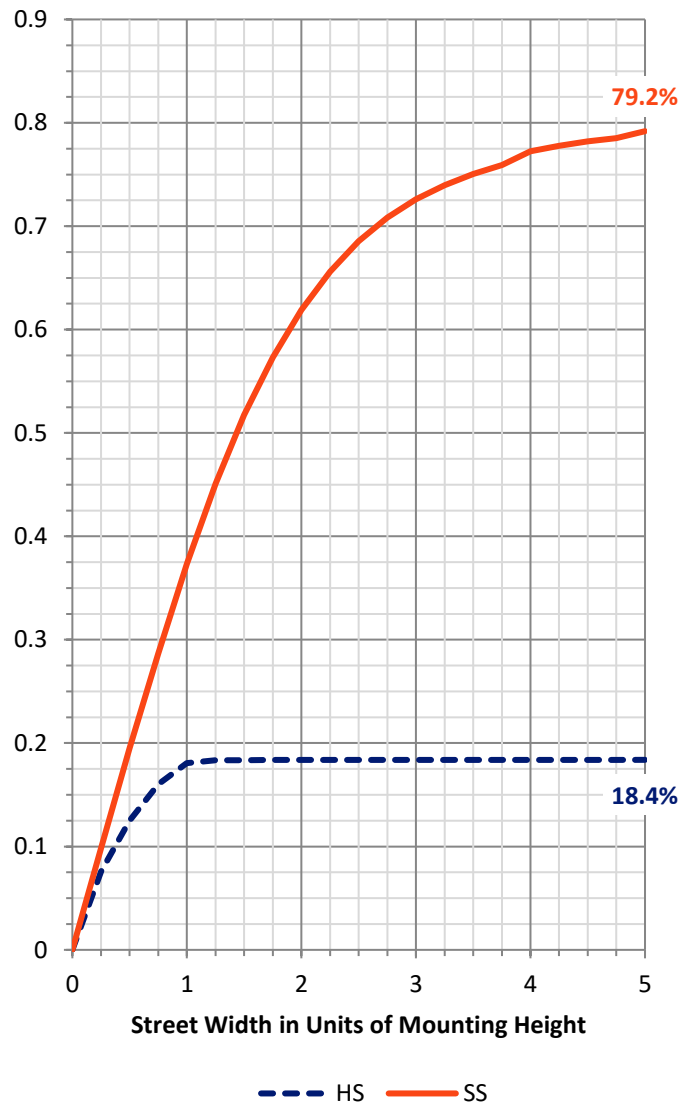
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.6	2.2	540.7
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2330.8	40.5	2371.2
	% Fixture	80.0	1.4	81.4
Total	Lumens	2869.4	42.6	2912.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	1.3
10°-20°	100.6	3.5
20°-30°	177.2	6.1
30°-40°	302.9	10.4
40°-50°	416.2	14.3
50°-60°	514.4	17.7
60°-70°	719.0	24.7
70°-80°	525.2	18.0
80°-90°	77.1	2.6
90°-100°	34.0	1.2
100°-110°	7.8	0.3
110°-120°	0.5	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2869.4	98.5
0°-180°	2912.0	100.0

Coefficient of Utilization



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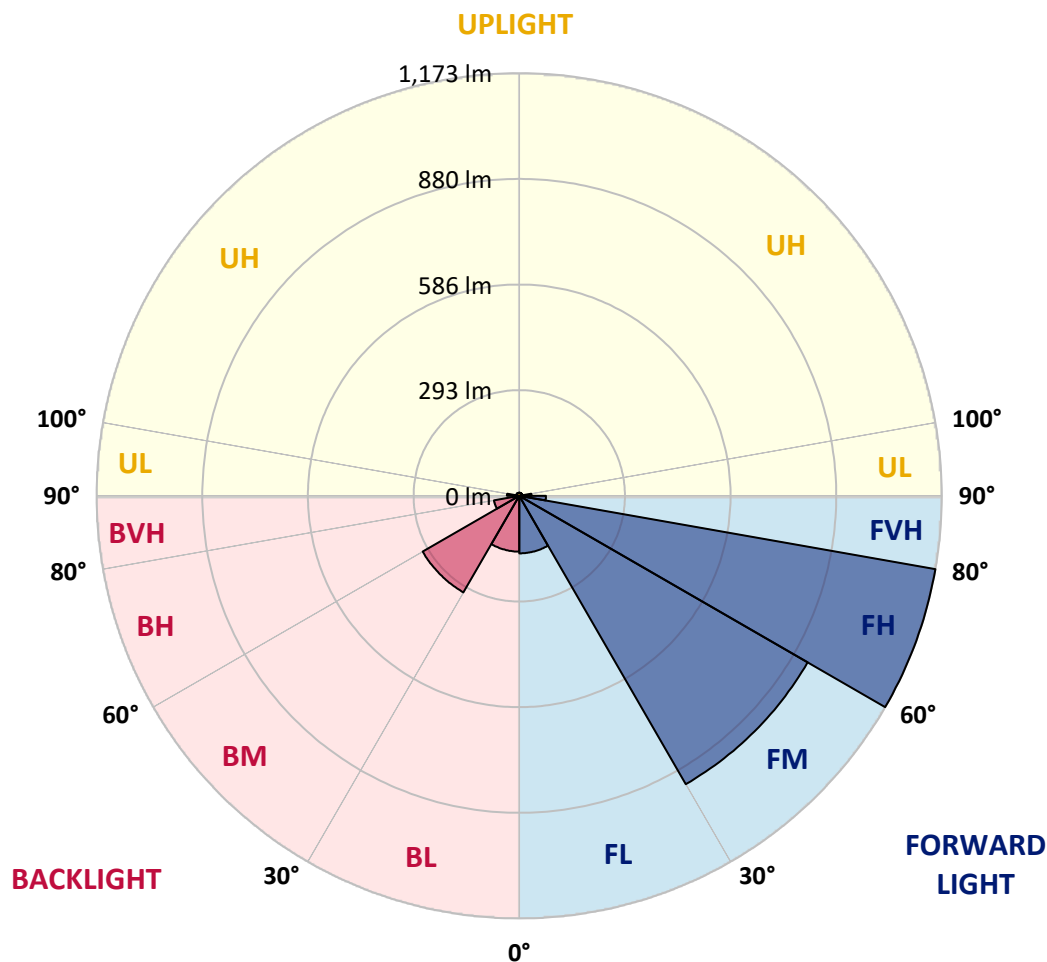
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.7	5.5			
FM	(30°-60°)	924.1	31.7			
FH	(60°-80°)	1172.9	40.3			G1/1800
FVH	(80°-90°)	74.1	2.5			G1/100
BL	(0°-30°)	154.9	5.3	B1/500		
BM	(30°-60°)	309.5	10.6	B1/1000		
BH	(60°-80°)	71.3	2.4	B0/110		G0/110
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	34.0	1.2		U2/50	
UH	(100°-180°)	8.6	0.3		U1/10	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	404.3	404.3	404.3	404.3	405.7	404.3	402.8	400.0	400.0	400.0	400.0
5°	398.6	398.6	400.0	400.0	398.6	397.2	394.3	394.3	392.9	392.9	392.9
7.5°	390.0	390.0	390.0	391.5	388.6	384.3	382.9	381.5	380.1	378.6	377.2
10°	377.2	377.2	377.2	375.8	373.0	368.7	365.8	363.0	363.0	361.6	360.1
12.5°	368.7	368.7	368.7	367.3	363.0	360.1	355.9	353.0	351.6	351.6	350.2
15°	365.8	365.8	365.8	364.4	360.1	357.3	353.0	350.2	347.3	345.9	344.5
17.5°	365.8	365.8	365.8	363.0	361.6	357.3	353.0	350.2	348.8	347.3	345.9
20°	370.1	371.5	370.1	368.7	364.4	361.6	357.3	353.0	351.6	351.6	350.2
22.5°	381.5	380.1	380.1	378.6	374.4	370.1	367.3	364.4	361.6	361.6	360.1
25°	394.3	395.7	395.7	392.9	390.0	385.8	381.5	377.2	375.8	374.4	373.0
27.5°	412.8	412.8	414.2	411.4	407.1	404.3	400.0	397.2	394.3	391.5	390.0
30°	435.6	437.0	437.0	434.2	429.9	424.2	421.4	417.1	412.8	412.8	408.5
32.5°	465.5	468.3	466.9	464.1	459.8	454.1	451.2	447.0	444.1	439.9	437.0
35°	506.8	508.2	506.8	503.9	496.8	491.1	488.3	485.4	482.6	476.9	471.2
37.5°	552.3	553.7	555.2	552.3	543.8	535.2	532.4	528.1	526.7	519.6	516.7
40°	605.0	607.8	606.4	602.1	595.0	586.5	585.1	580.8	576.5	572.2	565.1
42.5°	669.0	669.0	667.6	664.8	659.1	649.1	646.3	642.0	639.1	630.6	619.2
45°	743.1	744.5	740.2	735.9	734.5	726.0	718.9	714.6	706.0	696.1	683.3
47.5°	829.9	828.5	822.8	818.5	817.1	810.0	804.3	795.7	784.3	773.0	748.8
50°	919.6	919.6	909.6	905.3	908.2	898.2	891.1	881.1	869.7	858.4	822.8
52.5°	1016.4	1012.1	1002.1	1003.6	999.3	989.3	980.8	973.7	962.3	952.3	895.4
55°	1113.2	1107.5	1091.8	1093.2	1086.1	1074.7	1069.0	1060.5	1057.6	1046.3	965.1
57.5°	1202.8	1195.7	1178.6	1177.2	1171.5	1158.7	1155.9	1145.9	1138.8	1133.1	1017.8
60°	1289.7	1282.6	1266.9	1261.2	1249.8	1237.0	1238.4	1232.7	1228.5	1222.8	1076.2
62.5°	1368.0	1359.4	1345.2	1333.8	1318.1	1306.8	1308.2	1305.3	1308.2	1306.8	1126.0
65°	1474.7	1466.2	1444.8	1424.9	1402.1	1385.1	1383.6	1387.9	1417.8	1420.6	1202.8
67.5°	1511.7	1503.2	1476.2	1452.0	1433.4	1420.6	1417.8	1416.4	1424.9	1444.8	1187.2
70°	1395.0	1389.3	1363.7	1346.6	1328.1	1319.6	1311.0	1315.3	1323.8	1322.4	1089.0
72.5°	1204.3	1235.6	1202.8	1187.2	1182.9	1160.1	1165.8	1161.6	1167.3	1165.8	968.0
75°	996.4	987.9	980.8	1007.8	987.9	970.8	980.8	990.7	1000.7	989.3	848.4
77.5°	724.6	730.2	727.4	737.4	755.9	747.3	741.6	765.8	770.1	731.7	659.1
80°	364.4	387.2	394.3	411.4	421.4	402.8	387.2	421.4	415.7	371.5	334.5
82.5°	95.4	96.8	111.0	131.0	133.8	131.0	133.8	131.0	113.9	72.6	61.2
85°	79.7	79.7	98.2	119.6	123.8	118.1	118.1	111.0	88.3	45.6	37.0
87.5°	65.5	68.3	88.3	108.2	111.0	105.3	103.9	95.4	76.9	39.9	31.3
90°	58.4	61.2	79.7	96.8	98.2	92.5	91.1	85.4	69.8	39.9	31.3
92.5°	64.1	65.5	78.3	88.3	88.3	84.0	82.6	78.3	68.3	49.8	38.4
95°	56.9	58.4	64.1	68.3	66.9	62.6	65.5	61.2	56.9	47.0	35.6
97.5°	47.0	48.4	49.8	49.8	48.4	45.6	48.4	47.0	44.1	38.4	28.5
100°	35.6	35.6	35.6	37.0	35.6	34.2	35.6	32.7	31.3	27.0	19.9
102.5°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	21.4	19.9	17.1	11.4
105°	14.2	14.2	12.8	14.2	14.2	12.8	12.8	11.4	8.5	7.1	4.3
107.5°	5.7	5.7	4.3	4.3	4.3	4.3	2.8	1.4	1.4	1.4	1.4
110°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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	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	1.4	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	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	1.4
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	1.4	1.4	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	400.0	400.0	400.0	400.0	400.0	400.0	401.4	402.8	404.3	404.3
5°	392.9	392.9	392.9	391.5	392.9	394.3	395.7	395.7	397.2	397.2
7.5°	378.6	377.2	377.2	377.2	378.6	381.5	381.5	382.9	384.3	384.3
10°	360.1	360.1	360.1	360.1	361.6	364.4	364.4	367.3	367.3	367.3
12.5°	350.2	350.2	348.8	347.3	350.2	350.2	354.4	355.9	357.3	360.1
15°	344.5	343.1	344.5	344.5	345.9	347.3	348.8	351.6	353.0	354.4
17.5°	344.5	344.5	344.5	345.9	347.3	347.3	348.8	351.6	353.0	354.4
20°	350.2	350.2	348.8	348.8	350.2	350.2	353.0	355.9	357.3	358.7
22.5°	358.7	357.3	357.3	355.9	357.3	358.7	361.6	364.4	364.4	364.4
25°	370.1	368.7	368.7	368.7	371.5	371.5	374.4	377.2	377.2	377.2
27.5°	388.6	385.8	384.3	384.3	384.3	385.8	388.6	390.0	391.5	391.5
30°	404.3	401.4	400.0	398.6	400.0	401.4	404.3	407.1	407.1	407.1
32.5°	432.7	425.6	421.4	422.8	422.8	424.2	427.0	427.0	428.5	428.5
35°	465.5	458.4	451.2	452.7	452.7	454.1	454.1	454.1	456.9	454.1
37.5°	506.8	495.4	489.7	491.1	488.3	488.3	488.3	488.3	486.8	489.7
40°	550.9	533.8	528.1	529.5	528.1	526.7	526.7	528.1	526.7	528.1
42.5°	543.8	472.6	489.7	509.6	523.8	533.8	545.2	550.9	550.9	556.6
45°	475.4	280.4	300.4	327.4	350.2	374.4	385.8	394.3	400.0	411.4
47.5°	412.8	101.1	115.3	133.8	158.0	158.0	177.9	186.5	189.3	199.3
50°	401.4	15.7	12.8	14.2	15.7	17.1	18.5	22.8	22.8	28.5
52.5°	437.0	14.2	8.5	5.7	5.7	4.3	2.8	2.8	2.8	4.3
55°	476.9	15.7	8.5	5.7	4.3	4.3	1.4	1.4	1.4	1.4
57.5°	511.0	14.2	7.1	5.7	4.3	2.8	0.0	0.0	0.0	0.0
60°	548.0	15.7	8.5	5.7	4.3	2.8	0.0	0.0	0.0	0.0
62.5°	580.8	15.7	8.5	5.7	4.3	1.4	0.0	0.0	0.0	0.0
65°	627.8	17.1	8.5	5.7	2.8	0.0	0.0	0.0	0.0	0.0
67.5°	636.3	17.1	8.5	4.3	1.4	0.0	0.0	0.0	0.0	0.0
70°	568.0	14.2	5.7	2.8	1.4	0.0	0.0	0.0	0.0	0.0
72.5°	488.3	8.5	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	392.9	7.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	263.3	5.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	118.1	4.3	1.4	1.4	0.0	0.0	1.4	1.4	0.0	0.0
82.5°	25.6	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.1	2.8	1.4	1.4	0.0	0.0	1.4	1.4	0.0	0.0
87.5°	15.7	1.4	1.4	1.4	0.0	0.0	0.0	1.4	0.0	0.0
90°	15.7	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	18.5	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	17.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	12.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	8.5	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	4.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	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°
112.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	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°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.4	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°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.4	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°	1.4	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°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	1.4	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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	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)