

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: P182356

Luminaire Tested: **LXF-F02-LED-E-U-SYM-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182356
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34329)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF-F02-LED-E-U-SYM-BK
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4076.9 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U4 - G3

Input Watts (W): 55
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: 28.75 FT

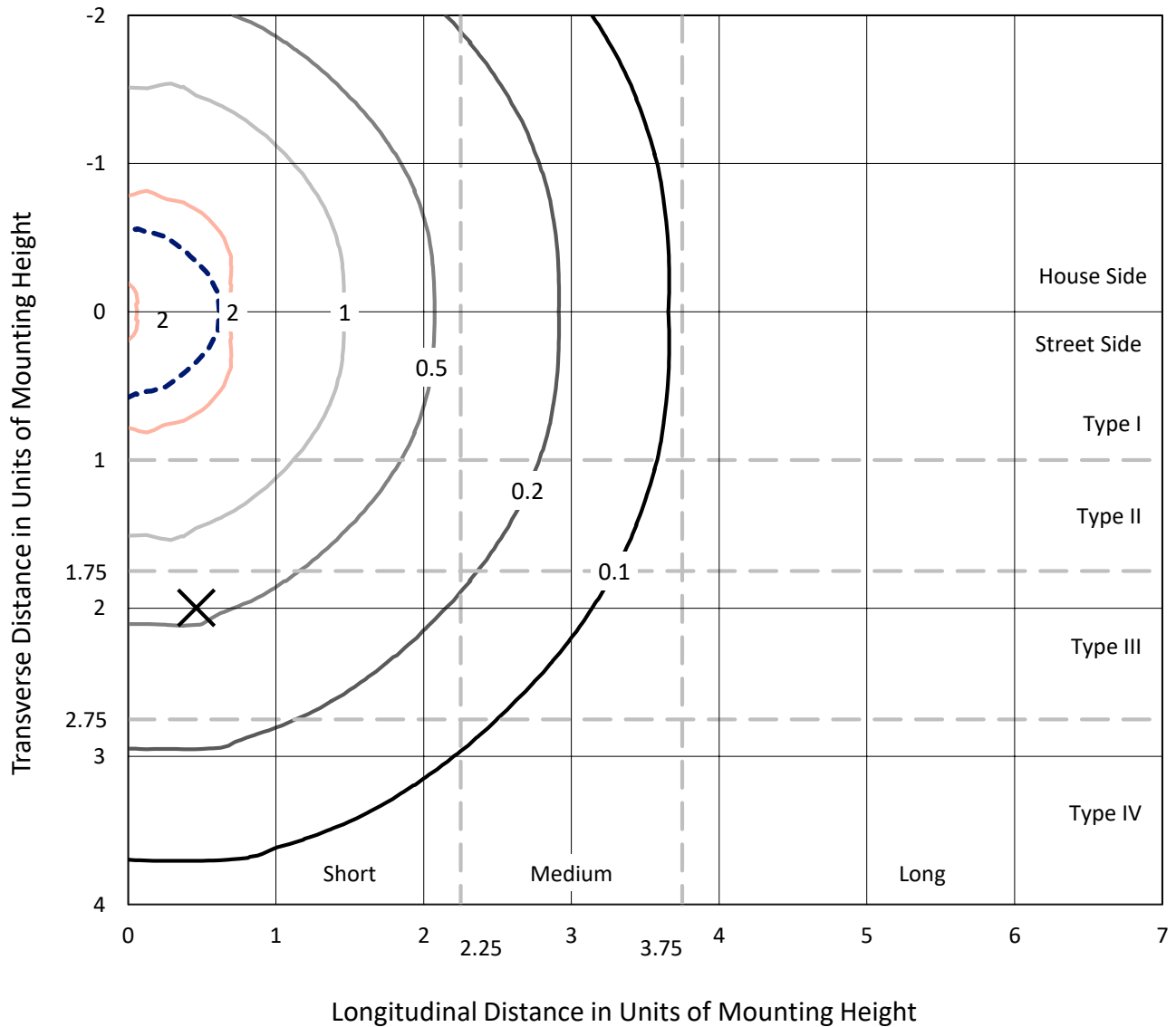


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Iso-Footcandle Lines of Horizontal Illumination

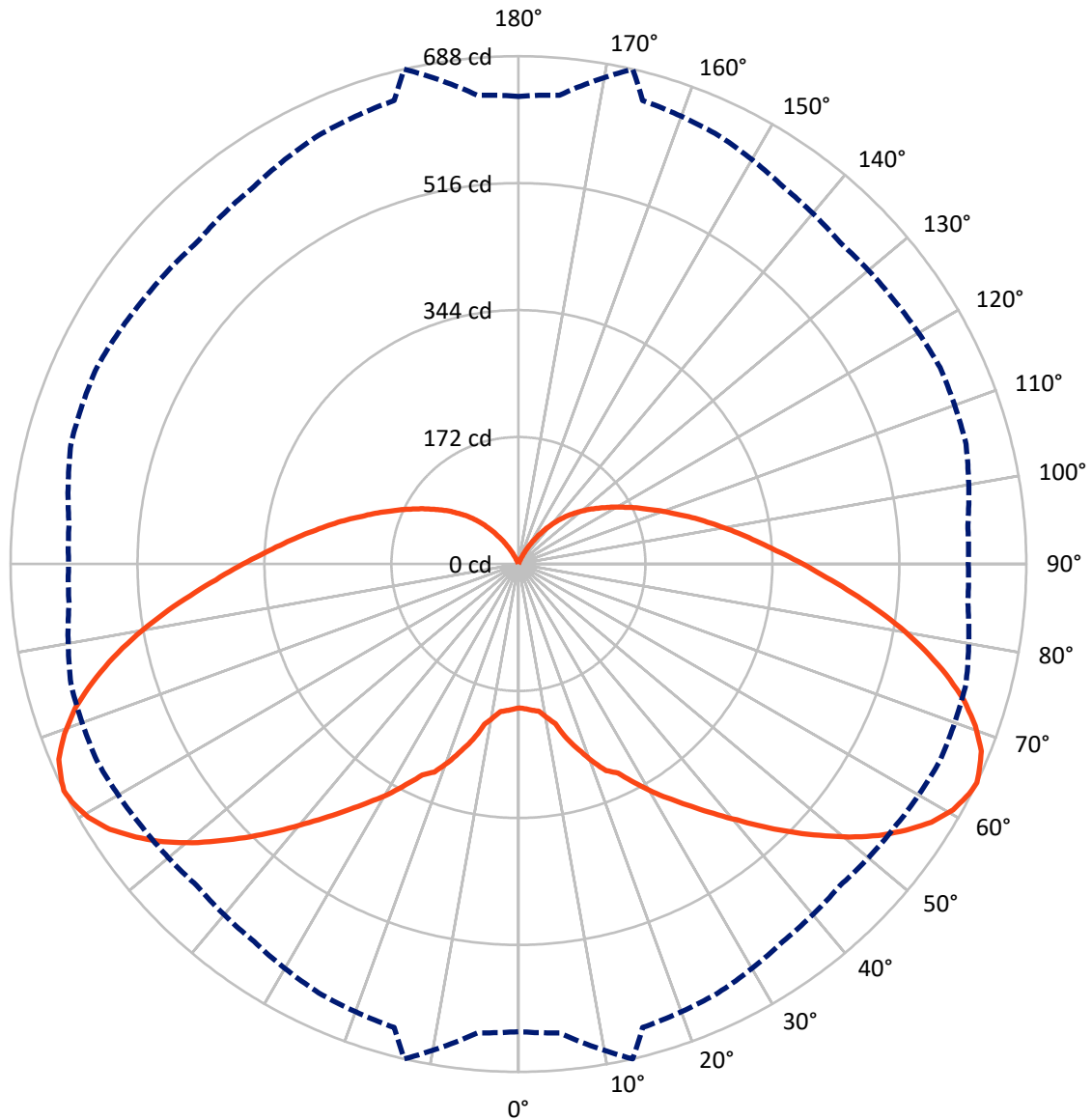
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 13-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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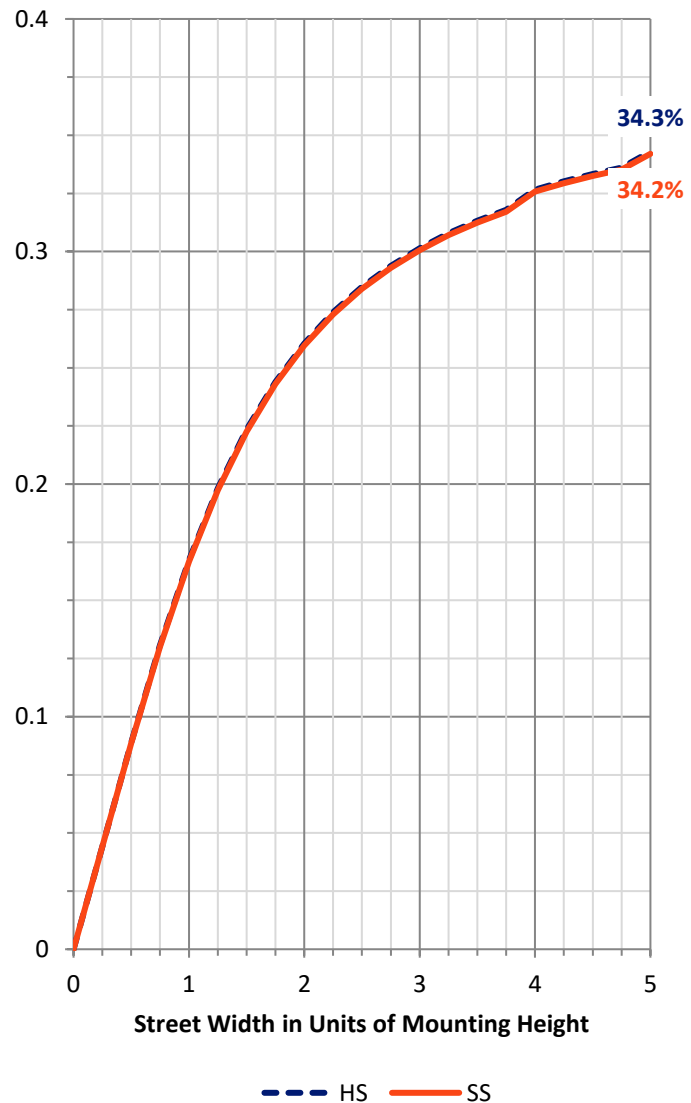
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1534.5	504.0	2038.4
	% Fixture	37.6	12.4	50.0
Street Side	Lumens	1534.5	504.0	2038.4
	% Fixture	37.6	12.4	50.0
Total	Lumens	3069.0	1007.9	4076.9
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.5
10°-20°	67.7	1.7
20°-30°	139.8	3.4
30°-40°	242.6	6.0
40°-50°	375.1	9.2
50°-60°	519.6	12.7
60°-70°	621.0	15.2
70°-80°	601.0	14.7
80°-90°	482.4	11.8
90°-100°	359.2	8.8
100°-110°	262.1	6.4
110°-120°	183.1	4.5
120°-130°	116.8	2.9
130°-140°	61.9	1.5
140°-150°	22.0	0.5
150°-160°	2.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3069.0	75.3
0°-180°	4076.9	100.0



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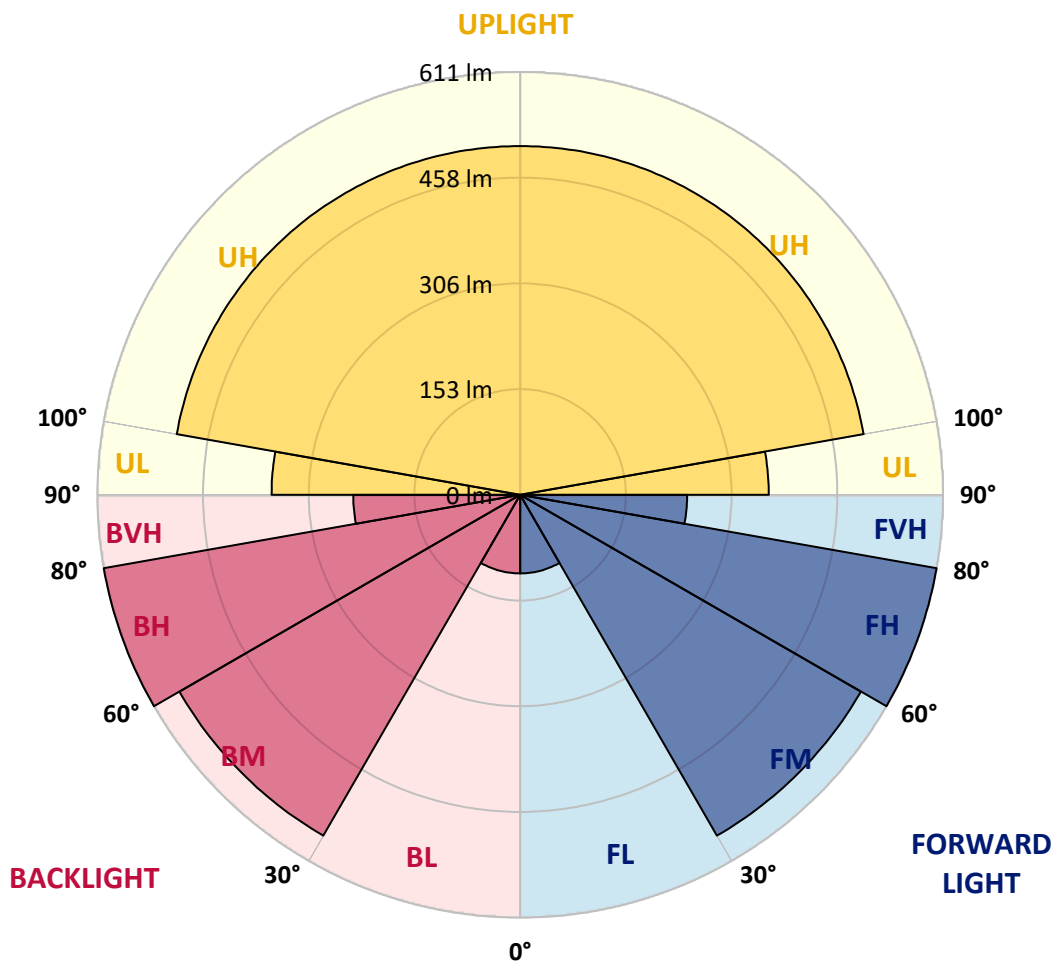
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.6	2.8			
FM (30°-60°)	568.7	13.9			
FH (60°-80°)	611.0	15.0			G0/660
FVH (80°-90°)	241.2	5.9			G3/500
BL (0°-30°)	113.6	2.8	B1/500		
BM (30°-60°)	568.7	13.9	B1/1000		
BH (60°-80°)	611.0	15.0	B2/1000		G0/660
BVH (80°-90°)	241.2	5.9			G3/500
UL (90°-100°)	359.2	8.8		U3/500	
UH (100°-180°)	504.0	12.4		U4/1000	

BUG Rating: B2-U4-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	194.8	194.8	196.5	194.8	195.6	196.5	195.6	195.6	196.5	196.5	196.5
5°	197.3	196.5	199.0	196.5	198.1	201.4	202.3	206.4	207.2	208.0	205.6
7.5°	199.0	199.0	201.4	198.1	203.1	208.9	210.5	208.9	213.0	216.3	211.3
10°	205.6	204.7	211.3	207.2	208.9	213.0	217.1	221.2	219.6	224.5	218.8
12.5°	213.8	214.6	222.1	216.3	222.9	224.5	223.7	225.4	223.7	227.0	226.2
15°	231.1	230.3	245.2	236.9	236.1	235.3	232.8	230.3	232.0	233.6	232.0
17.5°	246.8	247.7	264.2	253.4	258.4	253.4	242.7	239.4	241.1	243.5	246.0
20°	265.0	264.2	284.8	272.4	278.2	269.1	260.0	254.3	256.7	259.2	260.9
22.5°	281.5	282.3	303.8	288.1	289.8	286.5	279.0	275.7	272.4	274.1	274.9
25°	300.5	300.5	313.7	298.8	302.1	302.1	302.1	297.2	288.9	289.8	291.4
27.5°	321.1	321.1	335.2	319.5	320.3	324.4	323.6	319.5	309.6	307.9	310.4
30°	340.1	340.1	358.3	340.1	344.2	347.5	345.9	340.9	332.7	326.9	327.7
32.5°	359.9	359.9	379.7	360.8	366.5	370.7	369.8	365.7	355.0	345.1	345.1
35°	381.4	381.4	402.9	382.2	391.3	395.4	394.6	389.6	378.9	364.9	365.7
37.5°	405.3	404.5	428.4	406.2	415.2	418.5	417.7	412.8	403.7	387.2	387.2
40°	428.4	428.4	455.7	431.7	440.8	444.1	442.5	437.5	428.4	412.8	408.6
42.5°	454.0	453.2	486.2	459.0	466.4	468.9	465.6	461.5	454.0	439.2	432.6
45°	479.6	479.6	517.6	487.1	493.7	492.8	492.0	487.1	479.6	464.8	455.7
47.5°	507.7	506.9	549.0	515.1	520.9	517.6	515.1	511.0	504.4	490.4	478.8
50°	532.5	532.5	581.2	542.4	545.7	542.4	537.4	534.1	529.2	517.6	503.6
52.5°	559.7	558.9	610.9	568.8	570.4	563.8	557.2	556.4	553.1	542.4	527.5
55°	582.8	582.8	636.5	593.6	592.7	582.8	577.0	576.2	576.2	567.1	551.5
57.5°	603.5	604.3	659.6	615.8	611.7	600.2	592.7	593.6	596.9	590.3	572.9
60°	620.0	621.6	676.1	633.2	627.4	613.4	605.1	608.4	614.2	609.2	591.9
62.5°	630.7	634.0	685.2	645.6	637.3	621.6	613.4	618.3	624.9	622.4	605.9
64°	633.2	637.3	687.7	649.7	640.6	624.1	615.8	621.6	629.9	627.4	610.9
65°	633.2	638.1	685.2	650.5	642.3	624.1	615.8	622.4	631.5	629.0	611.7
67.5°	628.2	634.0	676.1	646.4	638.1	620.8	612.5	619.1	628.2	625.7	609.2
70°	613.4	620.8	656.3	634.0	626.6	610.1	602.6	608.4	617.5	615.8	598.5
72.5°	590.3	598.5	630.7	613.4	608.4	594.4	586.1	591.9	600.2	596.9	578.7
75°	559.7	569.6	598.5	586.9	585.3	572.9	566.3	571.3	576.2	568.8	549.0
77.5°	527.5	538.2	563.0	556.4	557.2	548.1	543.2	544.8	547.3	533.3	512.7
80°	493.7	501.1	525.0	520.9	525.9	520.1	515.1	515.1	511.8	497.8	473.0
82.5°	457.3	464.8	485.4	486.2	495.3	491.2	487.9	484.6	478.0	459.8	433.4
85°	419.4	426.0	446.6	449.1	459.8	460.6	458.2	454.0	444.1	423.5	394.6
87.5°	384.7	390.5	410.3	412.8	427.6	432.6	430.1	426.8	412.8	388.8	360.8
90°	354.2	358.3	378.9	380.6	397.1	405.3	404.5	397.1	383.0	357.5	329.4
92.5°	326.9	328.6	349.2	350.8	369.0	378.9	379.7	372.3	356.6	328.6	303.0
95°	301.3	303.8	323.6	323.6	344.2	355.8	356.6	349.2	331.0	304.6	279.9
97.5°	279.9	280.7	300.5	300.5	321.1	332.7	335.2	326.9	309.6	282.3	258.4
100°	259.2	259.2	278.2	278.2	298.8	312.0	314.5	305.4	287.3	260.0	238.6
102.5°	241.1	240.2	258.4	257.6	279.0	292.2	294.7	286.5	268.3	241.1	221.2
105°	224.5	223.7	239.4	238.6	260.0	274.1	277.4	268.3	248.5	222.1	206.4
107.5°	209.7	208.9	221.2	220.4	242.7	255.9	259.2	250.1	230.3	204.7	191.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	195.6	194.0	205.6	203.9	225.4	238.6	241.9	232.8	213.8	189.0	180.0
112.5°	182.4	181.6	189.9	187.4	209.7	222.9	225.4	217.1	197.3	174.2	167.6
115°	170.9	170.1	176.7	173.4	192.3	205.6	209.7	200.6	180.8	161.0	156.8
117.5°	159.3	159.3	163.5	160.2	176.7	190.7	193.2	184.1	165.9	148.6	146.9
120°	148.6	147.8	151.9	146.9	161.0	174.2	176.7	167.6	151.1	137.9	137.9
122.5°	137.9	137.9	140.3	135.4	144.5	158.5	161.0	152.7	136.2	127.1	128.0
125°	128.0	127.1	129.6	123.0	128.8	141.2	144.5	137.0	123.0	117.2	118.9
127.5°	117.2	116.4	119.7	112.3	114.7	124.7	128.0	121.4	110.6	108.1	110.6
130°	106.5	105.7	109.0	101.5	99.9	107.3	111.4	105.7	98.2	99.1	102.4
132.5°	95.8	94.9	99.1	90.8	86.7	90.8	94.1	90.8	86.7	89.2	93.3
135°	85.0	85.0	89.2	80.1	74.3	75.1	76.8	75.9	75.1	80.9	84.2
137.5°	75.1	74.3	78.4	70.2	62.7	60.3	61.1	61.1	63.6	71.0	75.1
140°	63.6	63.6	66.9	59.4	51.2	46.2	46.2	47.1	52.8	61.1	65.2
142.5°	52.8	52.8	56.1	48.7	41.3	33.8	33.0	35.5	42.9	50.4	54.5
145°	42.9	42.1	44.6	38.8	31.4	23.1	20.6	24.8	33.0	40.5	44.6
147.5°	32.2	32.2	34.7	28.9	23.1	14.9	12.4	15.7	23.9	30.5	33.8
150°	23.1	22.3	24.8	19.8	14.9	9.1	5.0	9.1	15.7	20.6	23.9
152.5°	14.9	14.0	15.7	12.4	9.1	4.1	1.7	5.0	9.1	13.2	15.7
155°	7.4	7.4	8.3	6.6	4.1	1.7	0.8	1.7	4.1	6.6	8.3
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°
0°	194.8
2.5°	196.5
5°	205.6
7.5°	211.3
10°	214.6
12.5°	225.4
15°	232.8
17.5°	245.2
20°	260.9
22.5°	275.7
25°	291.4
27.5°	310.4
30°	328.6
32.5°	345.9
35°	366.5
37.5°	387.2
40°	410.3
42.5°	430.9
45°	454.9
47.5°	479.6
50°	503.6
52.5°	528.3
55°	552.3
57.5°	573.7
60°	591.1
62.5°	604.3
64°	609.2
65°	609.2
67.5°	604.3
70°	592.7
72.5°	571.3
75°	539.9
77.5°	503.6
80°	463.1
82.5°	426.0
85°	387.2
87.5°	354.2
90°	324.4
92.5°	298.8
95°	277.4
97.5°	256.7
100°	237.8
102.5°	221.2
105°	207.2
107.5°	192.3



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CANDELA DISTRIBUTION (continued):

	90°
110°	180.0
112.5°	167.6
115°	157.7
117.5°	147.8
120°	137.9
122.5°	128.8
125°	119.7
127.5°	111.4
130°	103.2
132.5°	94.1
135°	85.0
137.5°	75.1
140°	65.2
142.5°	54.5
145°	44.6
147.5°	33.8
150°	23.9
152.5°	15.7
155°	8.3
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)