

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: P182345

Luminaire Tested: **LXF-F01-LED-E-U-SYM-BK-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182345
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-F01-LED-E-U-SYM-BK-7030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1861.8 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 25.9
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: 28.75 FT

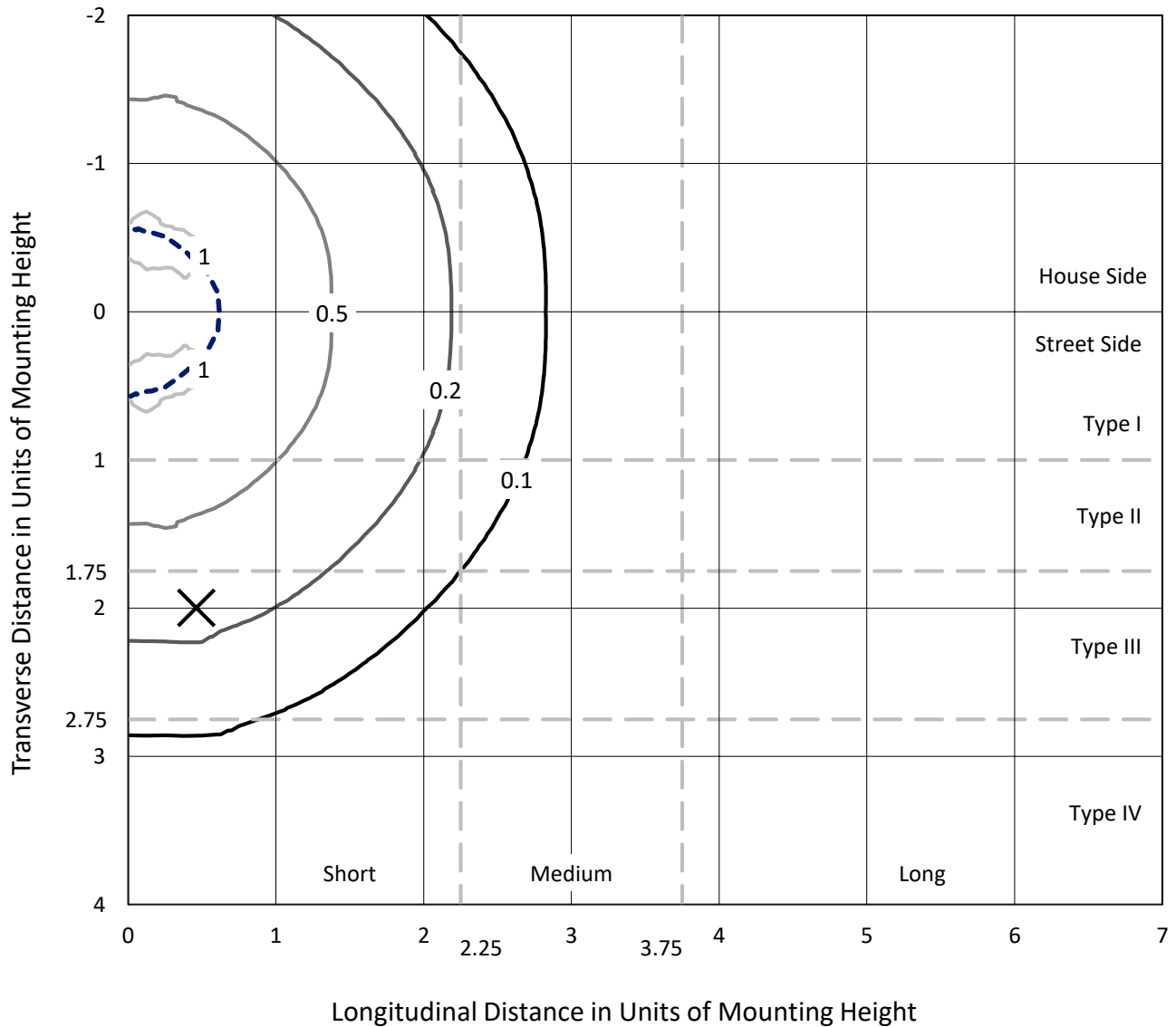


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Iso-Footcandle Lines of Horizontal Illumination

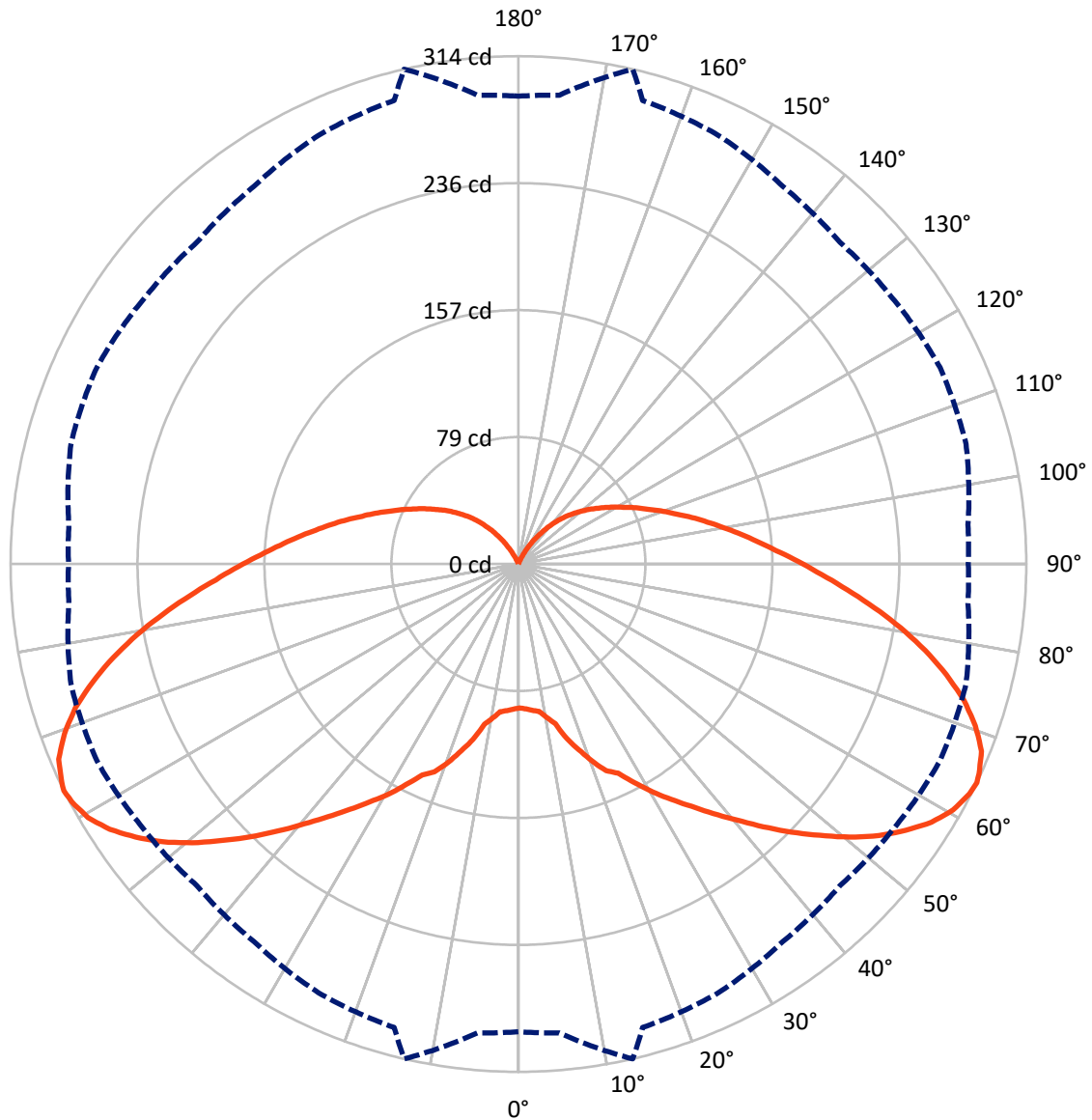
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1 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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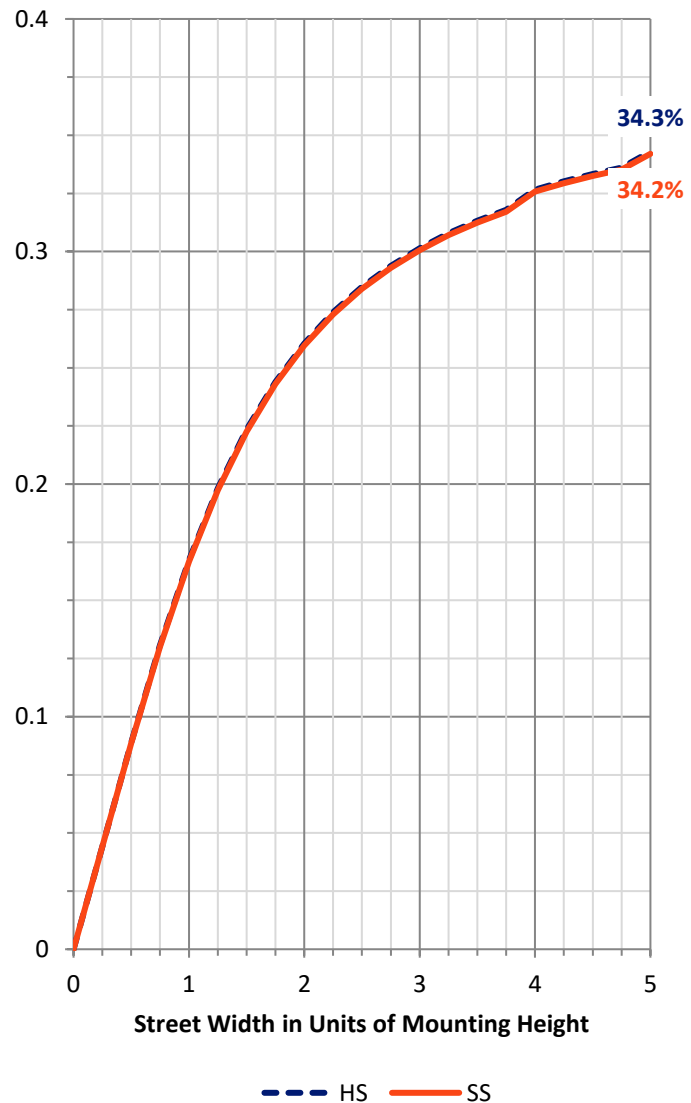
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.7	230.1	930.9
	% Fixture	37.6	12.4	50.0
Street Side	Lumens	700.7	230.1	930.9
	% Fixture	37.6	12.4	50.0
Total	Lumens	1401.5	460.3	1861.8
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.5
10°-20°	30.9	1.7
20°-30°	63.8	3.4
30°-40°	110.8	6.0
40°-50°	171.3	9.2
50°-60°	237.3	12.7
60°-70°	283.6	15.2
70°-80°	274.5	14.7
80°-90°	220.3	11.8
90°-100°	164.1	8.8
100°-110°	119.7	6.4
110°-120°	83.6	4.5
120°-130°	53.3	2.9
130°-140°	28.3	1.5
140°-150°	10.1	0.5
150°-160°	1.3	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1401.5	75.3
0°-180°	1861.8	100.0



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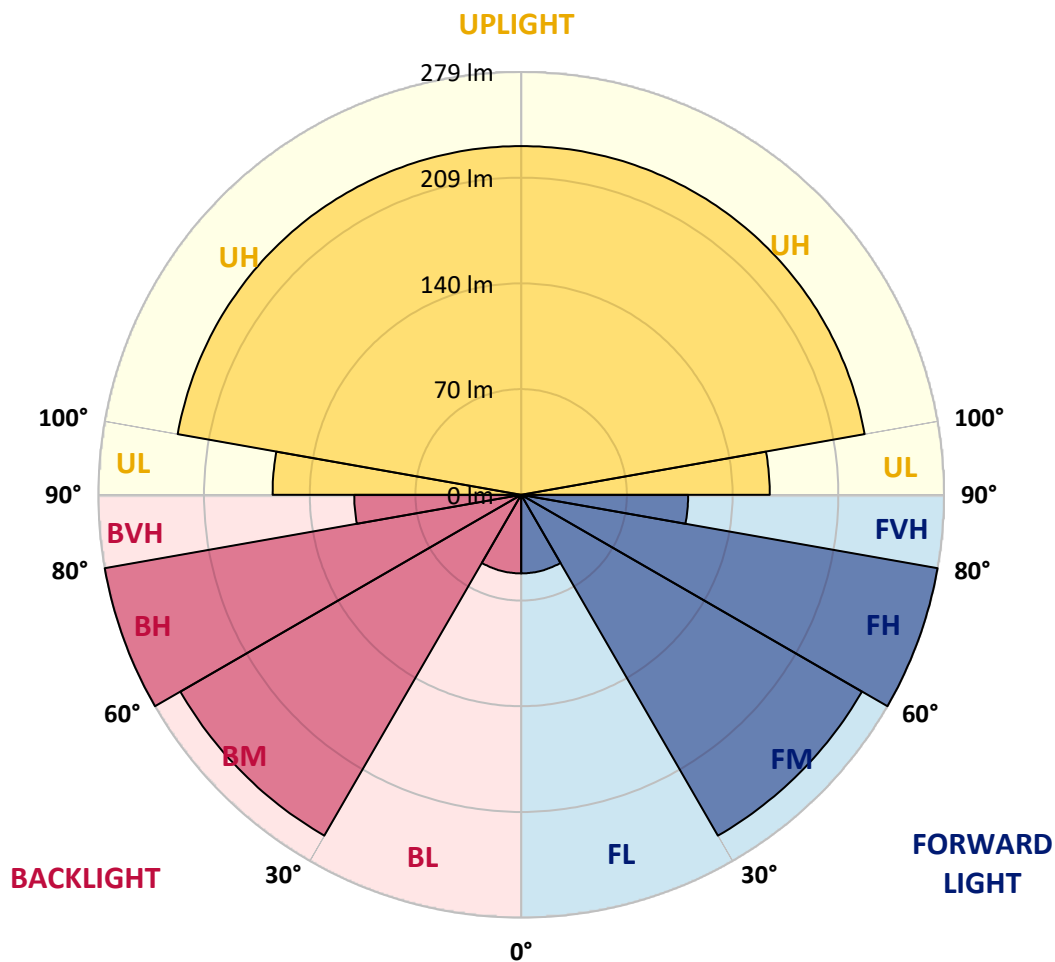
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.9	2.8			
FM	(30°-60°)	259.7	13.9			
FH	(60°-80°)	279.0	15.0			G0/660
FVH	(80°-90°)	110.2	5.9			G2/225
BL	(0°-30°)	51.9	2.8	B0/110		
BM	(30°-60°)	259.7	13.9	B1/1000		
BH	(60°-80°)	279.0	15.0	B1/500		G0/660
BVH	(80°-90°)	110.2	5.9			G2/225
UL	(90°-100°)	164.1	8.8		U3/500	
UH	(100°-180°)	230.1	12.4		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2.5°	89.0	89.0	89.7	89.0	89.3	89.7	89.3	89.3	89.7	89.7	89.7
5°	90.1	89.7	90.9	89.7	90.5	92.0	92.4	94.2	94.6	95.0	93.9
7.5°	90.9	90.9	92.0	90.5	92.7	95.4	96.1	95.4	97.3	98.8	96.5
10°	93.9	93.5	96.5	94.6	95.4	97.3	99.2	101.0	100.3	102.5	99.9
12.5°	97.6	98.0	101.4	98.8	101.8	102.5	102.2	102.9	102.2	103.7	103.3
15°	105.6	105.2	112.0	108.2	107.8	107.4	106.3	105.2	105.9	106.7	105.9
17.5°	112.7	113.1	120.6	115.7	118.0	115.7	110.8	109.3	110.1	111.2	112.3
20°	121.0	120.6	130.1	124.4	127.0	122.9	118.8	116.1	117.2	118.4	119.1
22.5°	128.6	128.9	138.7	131.6	132.3	130.8	127.4	125.9	124.4	125.2	125.5
25°	137.2	137.2	143.3	136.5	138.0	138.0	138.0	135.7	131.9	132.3	133.1
27.5°	146.7	146.7	153.1	145.9	146.3	148.2	147.8	145.9	141.4	140.6	141.8
30°	155.3	155.3	163.6	155.3	157.2	158.7	158.0	155.7	151.9	149.3	149.7
32.5°	164.4	164.4	173.4	164.7	167.4	169.3	168.9	167.0	162.1	157.6	157.6
35°	174.2	174.2	184.0	174.5	178.7	180.6	180.2	177.9	173.0	166.6	167.0
37.5°	185.1	184.7	195.7	185.5	189.6	191.1	190.8	188.5	184.4	176.8	176.8
40°	195.7	195.7	208.1	197.2	201.3	202.8	202.1	199.8	195.7	188.5	186.6
42.5°	207.3	207.0	222.1	209.6	213.0	214.1	212.6	210.7	207.3	200.6	197.5
45°	219.0	219.0	236.4	222.4	225.4	225.1	224.7	222.4	219.0	212.2	208.1
47.5°	231.9	231.5	250.7	235.2	237.9	236.4	235.2	233.4	230.3	223.9	218.7
50°	243.2	243.2	265.4	247.7	249.2	247.7	245.4	243.9	241.7	236.4	230.0
52.5°	255.6	255.2	279.0	259.8	260.5	257.5	254.5	254.1	252.6	247.7	240.9
55°	266.2	266.2	290.7	271.1	270.7	266.2	263.5	263.1	263.1	259.0	251.8
57.5°	275.6	276.0	301.2	281.2	279.4	274.1	270.7	271.1	272.6	269.6	261.6
60°	283.1	283.9	308.8	289.2	286.5	280.1	276.3	277.8	280.5	278.2	270.3
62.5°	288.0	289.5	312.9	294.8	291.0	283.9	280.1	282.4	285.4	284.3	276.7
64°	289.2	291.0	314.0	296.7	292.5	285.0	281.2	283.9	287.6	286.5	279.0
65°	289.2	291.4	312.9	297.1	293.3	285.0	281.2	284.3	288.4	287.3	279.4
67.5°	286.9	289.5	308.8	295.2	291.4	283.5	279.7	282.7	286.9	285.8	278.2
70°	280.1	283.5	299.7	289.5	286.1	278.6	275.2	277.8	282.0	281.2	273.3
72.5°	269.6	273.3	288.0	280.1	277.8	271.4	267.7	270.3	274.1	272.6	264.3
75°	255.6	260.1	273.3	268.0	267.3	261.6	258.6	260.9	263.1	259.8	250.7
77.5°	240.9	245.8	257.1	254.1	254.5	250.3	248.1	248.8	249.9	243.5	234.1
80°	225.4	228.8	239.8	237.9	240.1	237.5	235.2	235.2	233.7	227.3	216.0
82.5°	208.9	212.2	221.7	222.1	226.2	224.3	222.8	221.3	218.3	210.0	197.9
85°	191.5	194.5	204.0	205.1	210.0	210.4	209.2	207.3	202.8	193.4	180.2
87.5°	175.7	178.3	187.4	188.5	195.3	197.5	196.4	194.9	188.5	177.6	164.7
90°	161.7	163.6	173.0	173.8	181.3	185.1	184.7	181.3	174.9	163.2	150.4
92.5°	149.3	150.0	159.5	160.2	168.5	173.0	173.4	170.0	162.9	150.0	138.4
95°	137.6	138.7	147.8	147.8	157.2	162.5	162.9	159.5	151.2	139.1	127.8
97.5°	127.8	128.2	137.2	137.2	146.7	151.9	153.1	149.3	141.4	128.9	118.0
100°	118.4	118.4	127.0	127.0	136.5	142.5	143.6	139.5	131.2	118.8	109.0
102.5°	110.1	109.7	118.0	117.6	127.4	133.5	134.6	130.8	122.5	110.1	101.0
105°	102.5	102.2	109.3	109.0	118.8	125.2	126.7	122.5	113.5	101.4	94.2
107.5°	95.8	95.4	101.0	100.7	110.8	116.9	118.4	114.2	105.2	93.5	87.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	89.3	88.6	93.9	93.1	102.9	109.0	110.5	106.3	97.6	86.3	82.2
112.5°	83.3	82.9	86.7	85.6	95.8	101.8	102.9	99.2	90.1	79.5	76.5
115°	78.0	77.7	80.7	79.2	87.8	93.9	95.8	91.6	82.6	73.5	71.6
117.5°	72.8	72.8	74.6	73.1	80.7	87.1	88.2	84.1	75.8	67.9	67.1
120°	67.9	67.5	69.4	67.1	73.5	79.5	80.7	76.5	69.0	63.0	63.0
122.5°	63.0	63.0	64.1	61.8	66.0	72.4	73.5	69.7	62.2	58.1	58.4
125°	58.4	58.1	59.2	56.2	58.8	64.5	66.0	62.6	56.2	53.5	54.3
127.5°	53.5	53.2	54.7	51.3	52.4	56.9	58.4	55.4	50.5	49.4	50.5
130°	48.6	48.3	49.8	46.4	45.6	49.0	50.9	48.3	44.9	45.2	46.7
132.5°	43.7	43.4	45.2	41.5	39.6	41.5	43.0	41.5	39.6	40.7	42.6
135°	38.8	38.8	40.7	36.6	33.9	34.3	35.1	34.7	34.3	36.9	38.5
137.5°	34.3	33.9	35.8	32.0	28.7	27.5	27.9	27.9	29.0	32.4	34.3
140°	29.0	29.0	30.5	27.1	23.4	21.1	21.1	21.5	24.1	27.9	29.8
142.5°	24.1	24.1	25.6	22.2	18.8	15.5	15.1	16.2	19.6	23.0	24.9
145°	19.6	19.2	20.4	17.7	14.3	10.6	9.4	11.3	15.1	18.5	20.4
147.5°	14.7	14.7	15.8	13.2	10.6	6.8	5.7	7.2	10.9	13.9	15.5
150°	10.6	10.2	11.3	9.0	6.8	4.1	2.3	4.1	7.2	9.4	10.9
152.5°	6.8	6.4	7.2	5.7	4.1	1.9	0.8	2.3	4.1	6.0	7.2
155°	3.4	3.4	3.8	3.0	1.9	0.8	0.4	0.8	1.9	3.0	3.8
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°	89.0
2.5°	89.7
5°	93.9
7.5°	96.5
10°	98.0
12.5°	102.9
15°	106.3
17.5°	112.0
20°	119.1
22.5°	125.9
25°	133.1
27.5°	141.8
30°	150.0
32.5°	158.0
35°	167.4
37.5°	176.8
40°	187.4
42.5°	196.8
45°	207.7
47.5°	219.0
50°	230.0
52.5°	241.3
55°	252.2
57.5°	262.0
60°	269.9
62.5°	276.0
64°	278.2
65°	278.2
67.5°	276.0
70°	270.7
72.5°	260.9
75°	246.6
77.5°	230.0
80°	211.5
82.5°	194.5
85°	176.8
87.5°	161.7
90°	148.2
92.5°	136.5
95°	126.7
97.5°	117.2
100°	108.6
102.5°	101.0
105°	94.6
107.5°	87.8



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CANDELA DISTRIBUTION (continued):

	90°
110°	82.2
112.5°	76.5
115°	72.0
117.5°	67.5
120°	63.0
122.5°	58.8
125°	54.7
127.5°	50.9
130°	47.1
132.5°	43.0
135°	38.8
137.5°	34.3
140°	29.8
142.5°	24.9
145°	20.4
147.5°	15.5
150°	10.9
152.5°	7.2
155°	3.8
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)