

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: P182346

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182346
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
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2038.4 lumens
Efficiency: N/A
Efficacy: 78.7 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

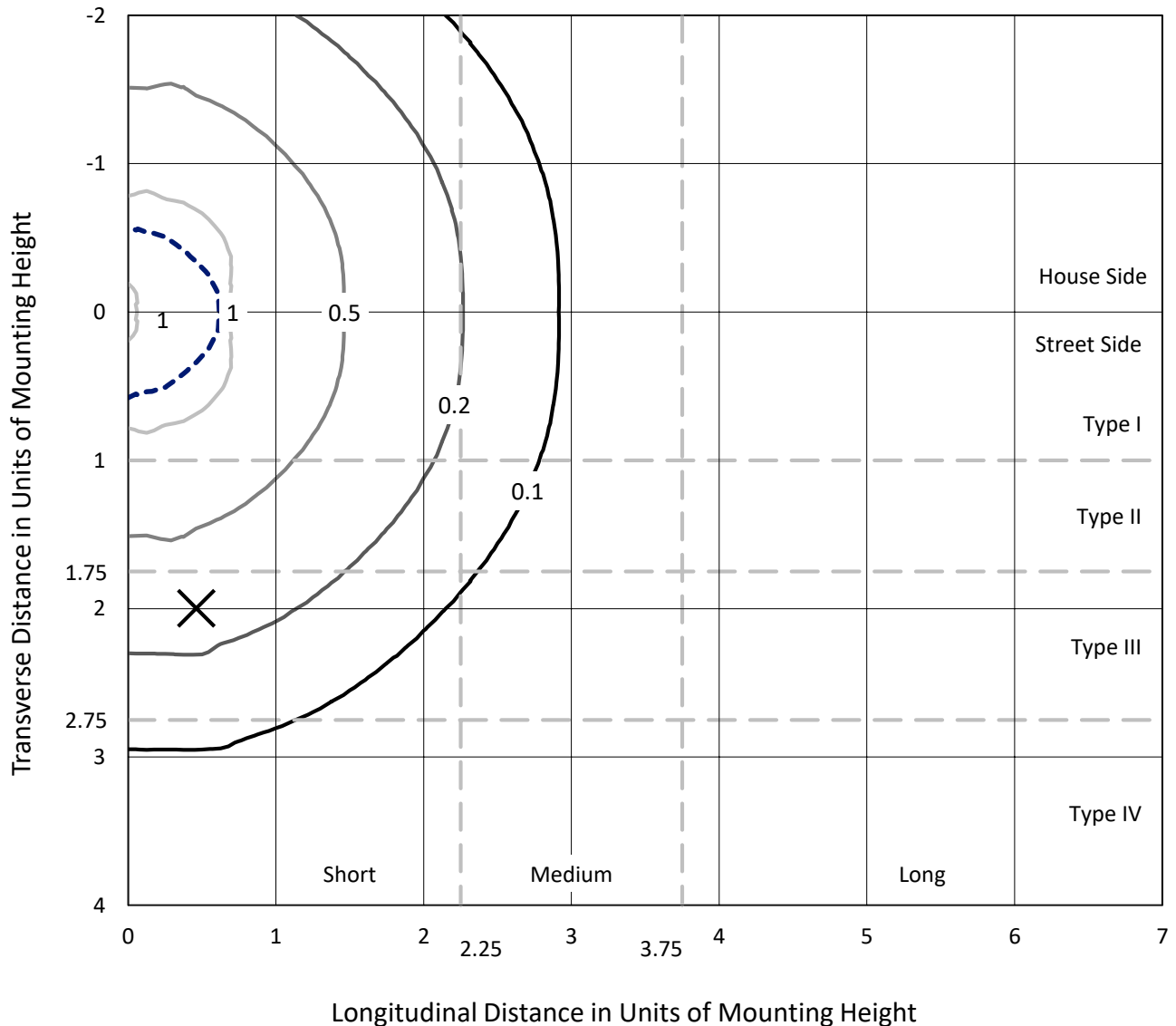


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

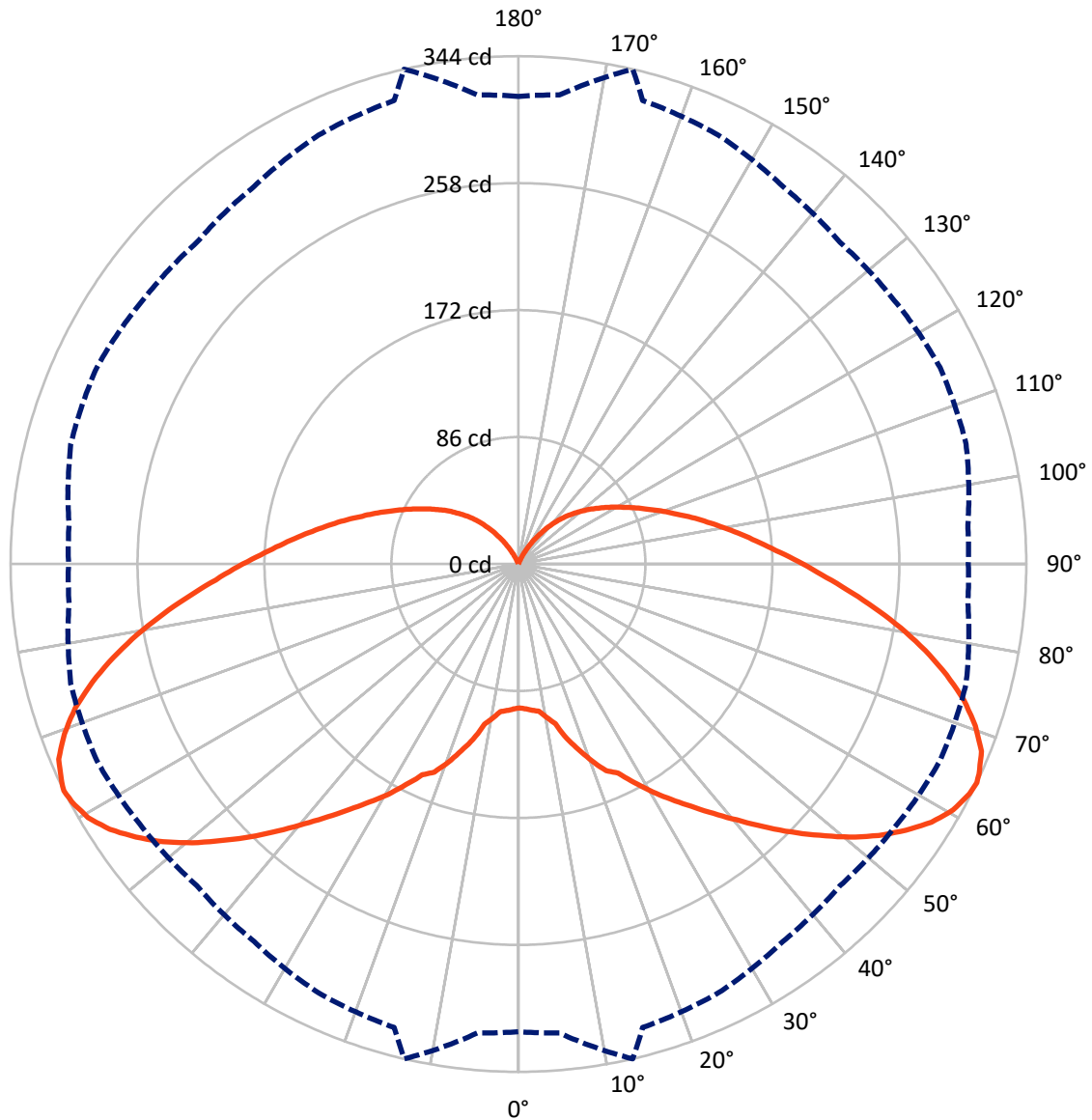


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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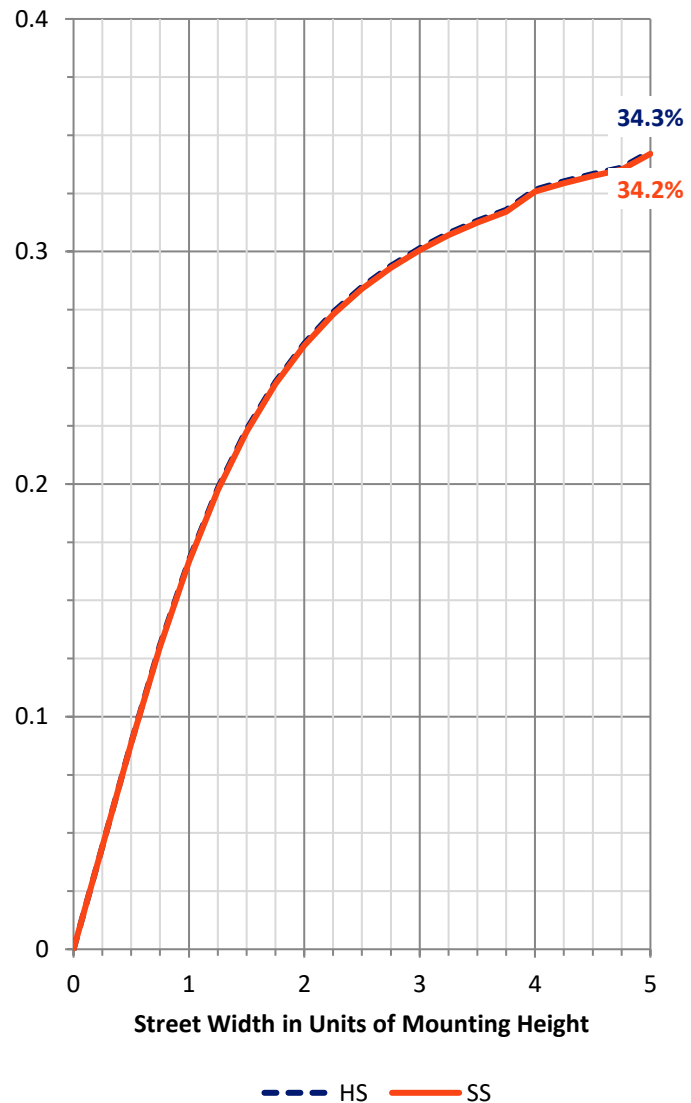
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	767.2	252.0	1019.2
	% Fixture	37.6	12.4	50.0
Street Side	Lumens	767.2	252.0	1019.2
	% Fixture	37.6	12.4	50.0
Total	Lumens	1534.5	503.9	2038.4
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.5
10°-20°	33.8	1.7
20°-30°	69.9	3.4
30°-40°	121.3	6.0
40°-50°	187.6	9.2
50°-60°	259.8	12.7
60°-70°	310.5	15.2
70°-80°	300.5	14.7
80°-90°	241.2	11.8
90°-100°	179.6	8.8
100°-110°	131.0	6.4
110°-120°	91.6	4.5
120°-130°	58.4	2.9
130°-140°	30.9	1.5
140°-150°	11.0	0.5
150°-160°	1.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1534.5	75.3
0°-180°	2038.4	100.0



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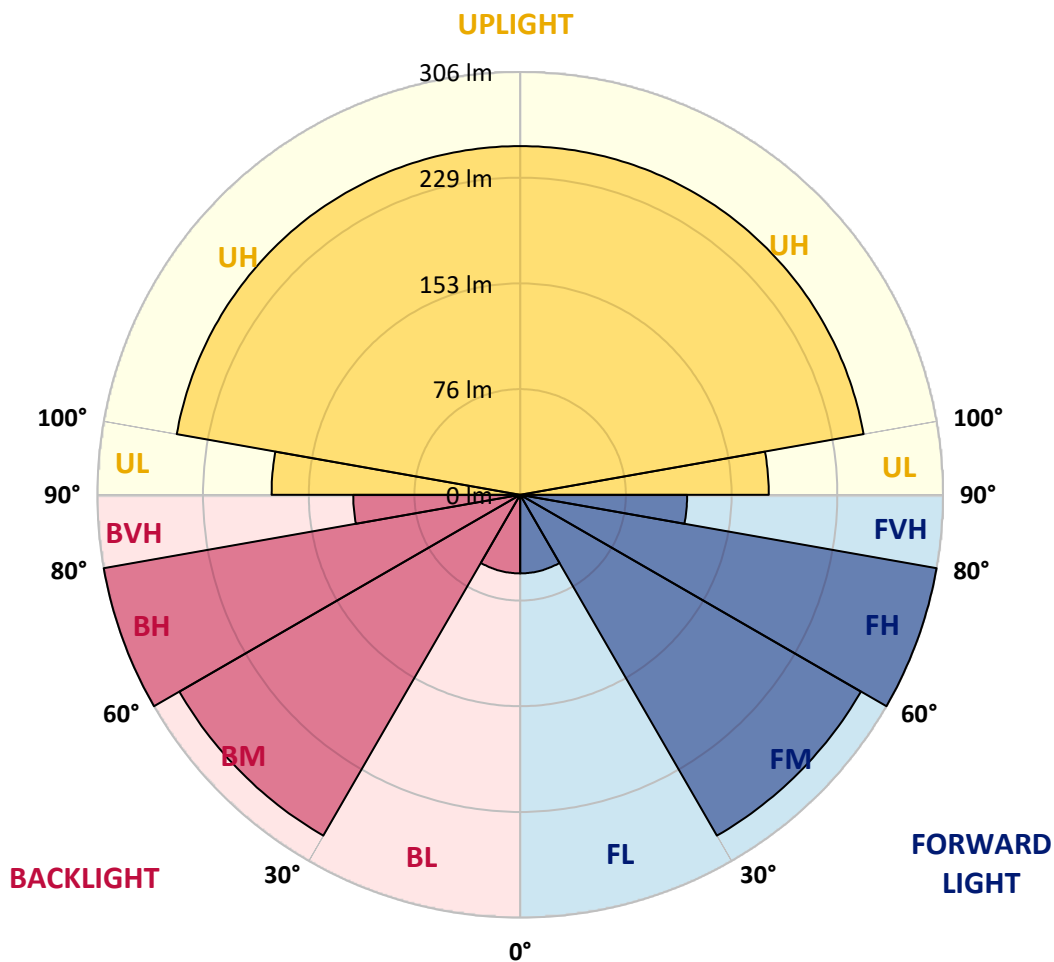
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.8	2.8			
FM	(30°-60°)	284.3	13.9			
FH	(60°-80°)	305.5	15.0			G0/660
FVH	(80°-90°)	120.6	5.9			G2/225
BL	(0°-30°)	56.8	2.8	B0/110		
BM	(30°-60°)	284.3	13.9	B1/1000		
BH	(60°-80°)	305.5	15.0	B1/500		G0/660
BVH	(80°-90°)	120.6	5.9			G2/225
UL	(90°-100°)	179.6	8.8		U3/500	
UH	(100°-180°)	252.0	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°	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2.5°	97.4	97.4	98.2	97.4	97.8	98.2	97.8	97.8	98.2	98.2	98.2
5°	98.7	98.2	99.5	98.2	99.1	100.7	101.1	103.2	103.6	104.0	102.8
7.5°	99.5	99.5	100.7	99.1	101.5	104.4	105.3	104.4	106.5	108.1	105.7
10°	102.8	102.4	105.7	103.6	104.4	106.5	108.6	110.6	109.8	112.3	109.4
12.5°	106.9	107.3	111.0	108.1	111.4	112.3	111.9	112.7	111.9	113.5	113.1
15°	115.6	115.2	122.6	118.5	118.1	117.6	116.4	115.2	116.0	116.8	116.0
17.5°	123.4	123.8	132.1	126.7	129.2	126.7	121.4	119.7	120.5	121.8	123.0
20°	132.5	132.1	142.4	136.2	139.1	134.6	130.0	127.1	128.4	129.6	130.4
22.5°	140.8	141.2	151.9	144.1	144.9	143.2	139.5	137.9	136.2	137.0	137.4
25°	150.2	150.2	156.8	149.4	151.1	151.1	151.1	148.6	144.5	144.9	145.7
27.5°	160.6	160.6	167.6	159.7	160.2	162.2	161.8	159.7	154.8	154.0	155.2
30°	170.1	170.1	179.1	170.1	172.1	173.8	172.9	170.5	166.3	163.5	163.9
32.5°	180.0	180.0	189.9	180.4	183.3	185.3	184.9	182.9	177.5	172.5	172.5
35°	190.7	190.7	201.4	191.1	195.6	197.7	197.3	194.8	189.5	182.4	182.9
37.5°	202.7	202.3	214.2	203.1	207.6	209.3	208.9	206.4	201.8	193.6	193.6
40°	214.2	214.2	227.8	215.9	220.4	222.1	221.2	218.8	214.2	206.4	204.3
42.5°	227.0	226.6	243.1	229.5	233.2	234.4	232.8	230.7	227.0	219.6	216.3
45°	239.8	239.8	258.8	243.5	246.8	246.4	246.0	243.5	239.8	232.4	227.8
47.5°	253.8	253.4	274.5	257.6	260.5	258.8	257.6	255.5	252.2	245.2	239.4
50°	266.2	266.2	290.6	271.2	272.8	271.2	268.7	267.1	264.6	258.8	251.8
52.5°	279.9	279.4	305.4	284.4	285.2	281.9	278.6	278.2	276.6	271.2	263.8
55°	291.4	291.4	318.2	296.8	296.4	291.4	288.5	288.1	288.1	283.6	275.7
57.5°	301.7	302.1	329.8	307.9	305.9	300.1	296.4	296.8	298.4	295.1	286.5
60°	310.0	310.8	338.1	316.6	313.7	306.7	302.6	304.2	307.1	304.6	296.0
62.5°	315.4	317.0	342.6	322.8	318.7	310.8	306.7	309.2	312.5	311.2	303.0
64°	316.6	318.7	343.8	324.8	320.3	312.0	307.9	310.8	314.9	313.7	305.4
65°	316.6	319.1	342.6	325.3	321.1	312.0	307.9	311.2	315.8	314.5	305.9
67.5°	314.1	317.0	338.1	323.2	319.1	310.4	306.3	309.6	314.1	312.9	304.6
70°	306.7	310.4	328.1	317.0	313.3	305.0	301.3	304.2	308.7	307.9	299.3
72.5°	295.1	299.3	315.4	306.7	304.2	297.2	293.1	296.0	300.1	298.4	289.3
75°	279.9	284.8	299.3	293.5	292.6	286.5	283.2	285.6	288.1	284.4	274.5
77.5°	263.8	269.1	281.5	278.2	278.6	274.1	271.6	272.4	273.7	266.6	256.3
80°	246.8	250.5	262.5	260.5	262.9	260.0	257.6	257.6	255.9	248.9	236.5
82.5°	228.7	232.4	242.7	243.1	247.7	245.6	243.9	242.3	239.0	229.9	216.7
85°	209.7	213.0	223.3	224.5	229.9	230.3	229.1	227.0	222.1	211.7	197.3
87.5°	192.3	195.2	205.1	206.4	213.8	216.3	215.0	213.4	206.4	194.4	180.4
90°	177.1	179.1	189.5	190.3	198.5	202.7	202.3	198.5	191.5	178.7	164.7
92.5°	163.5	164.3	174.6	175.4	184.5	189.5	189.9	186.2	178.3	164.3	151.5
95°	150.7	151.9	161.8	161.8	172.1	177.9	178.3	174.6	165.5	152.3	139.9
97.5°	139.9	140.3	150.2	150.2	160.6	166.3	167.6	163.5	154.8	141.2	129.2
100°	129.6	129.6	139.1	139.1	149.4	156.0	157.3	152.7	143.6	130.0	119.3
102.5°	120.5	120.1	129.2	128.8	139.5	146.1	147.4	143.2	134.1	120.5	110.6
105°	112.3	111.9	119.7	119.3	130.0	137.0	138.7	134.1	124.2	111.0	103.2
107.5°	104.8	104.4	110.6	110.2	121.4	128.0	129.6	125.1	115.2	102.4	95.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	97.8	97.0	102.8	102.0	112.7	119.3	120.9	116.4	106.9	94.5	90.0
112.5°	91.2	90.8	94.9	93.7	104.8	111.4	112.7	108.6	98.7	87.1	83.8
115°	85.4	85.0	88.3	86.7	96.2	102.8	104.8	100.3	90.4	80.5	78.4
117.5°	79.7	79.7	81.7	80.1	88.3	95.3	96.6	92.0	83.0	74.3	73.5
120°	74.3	73.9	75.9	73.5	80.5	87.1	88.3	83.8	75.5	68.9	68.9
122.5°	68.9	68.9	70.2	67.7	72.2	79.3	80.5	76.4	68.1	63.6	64.0
125°	64.0	63.6	64.8	61.5	64.4	70.6	72.2	68.5	61.5	58.6	59.4
127.5°	58.6	58.2	59.9	56.1	57.4	62.3	64.0	60.7	55.3	54.1	55.3
130°	53.2	52.8	54.5	50.8	49.9	53.7	55.7	52.8	49.1	49.5	51.2
132.5°	47.9	47.5	49.5	45.4	43.3	45.4	47.1	45.4	43.3	44.6	46.6
135°	42.5	42.5	44.6	40.0	37.1	37.6	38.4	38.0	37.6	40.5	42.1
137.5°	37.6	37.1	39.2	35.1	31.4	30.1	30.5	30.5	31.8	35.5	37.6
140°	31.8	31.8	33.4	29.7	25.6	23.1	23.1	23.5	26.4	30.5	32.6
142.5°	26.4	26.4	28.1	24.4	20.6	16.9	16.5	17.7	21.5	25.2	27.2
145°	21.5	21.1	22.3	19.4	15.7	11.6	10.3	12.4	16.5	20.2	22.3
147.5°	16.1	16.1	17.3	14.4	11.6	7.4	6.2	7.8	12.0	15.3	16.9
150°	11.6	11.1	12.4	9.9	7.4	4.5	2.5	4.5	7.8	10.3	12.0
152.5°	7.4	7.0	7.8	6.2	4.5	2.1	0.8	2.5	4.5	6.6	7.8
155°	3.7	3.7	4.1	3.3	2.1	0.8	0.4	0.8	2.1	3.3	4.1
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°	97.4
2.5°	98.2
5°	102.8
7.5°	105.7
10°	107.3
12.5°	112.7
15°	116.4
17.5°	122.6
20°	130.4
22.5°	137.9
25°	145.7
27.5°	155.2
30°	164.3
32.5°	172.9
35°	183.3
37.5°	193.6
40°	205.1
42.5°	215.5
45°	227.4
47.5°	239.8
50°	251.8
52.5°	264.2
55°	276.1
57.5°	286.9
60°	295.5
62.5°	302.1
64°	304.6
65°	304.6
67.5°	302.1
70°	296.4
72.5°	285.6
75°	269.9
77.5°	251.8
80°	231.6
82.5°	213.0
85°	193.6
87.5°	177.1
90°	162.2
92.5°	149.4
95°	138.7
97.5°	128.4
100°	118.9
102.5°	110.6
105°	103.6
107.5°	96.2



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CANDELA DISTRIBUTION (continued):

	90°
110°	90.0
112.5°	83.8
115°	78.8
117.5°	73.9
120°	68.9
122.5°	64.4
125°	59.9
127.5°	55.7
130°	51.6
132.5°	47.1
135°	42.5
137.5°	37.6
140°	32.6
142.5°	27.2
145°	22.3
147.5°	16.9
150°	12.0
152.5°	7.8
155°	4.1
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)