

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: P182354

Luminaire Tested: **LXF-F02-LED-E-U-SYM-BK-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182354
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-8030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3440.9 lumens
Efficiency: N/A
Efficacy: 62.6 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 - G2

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

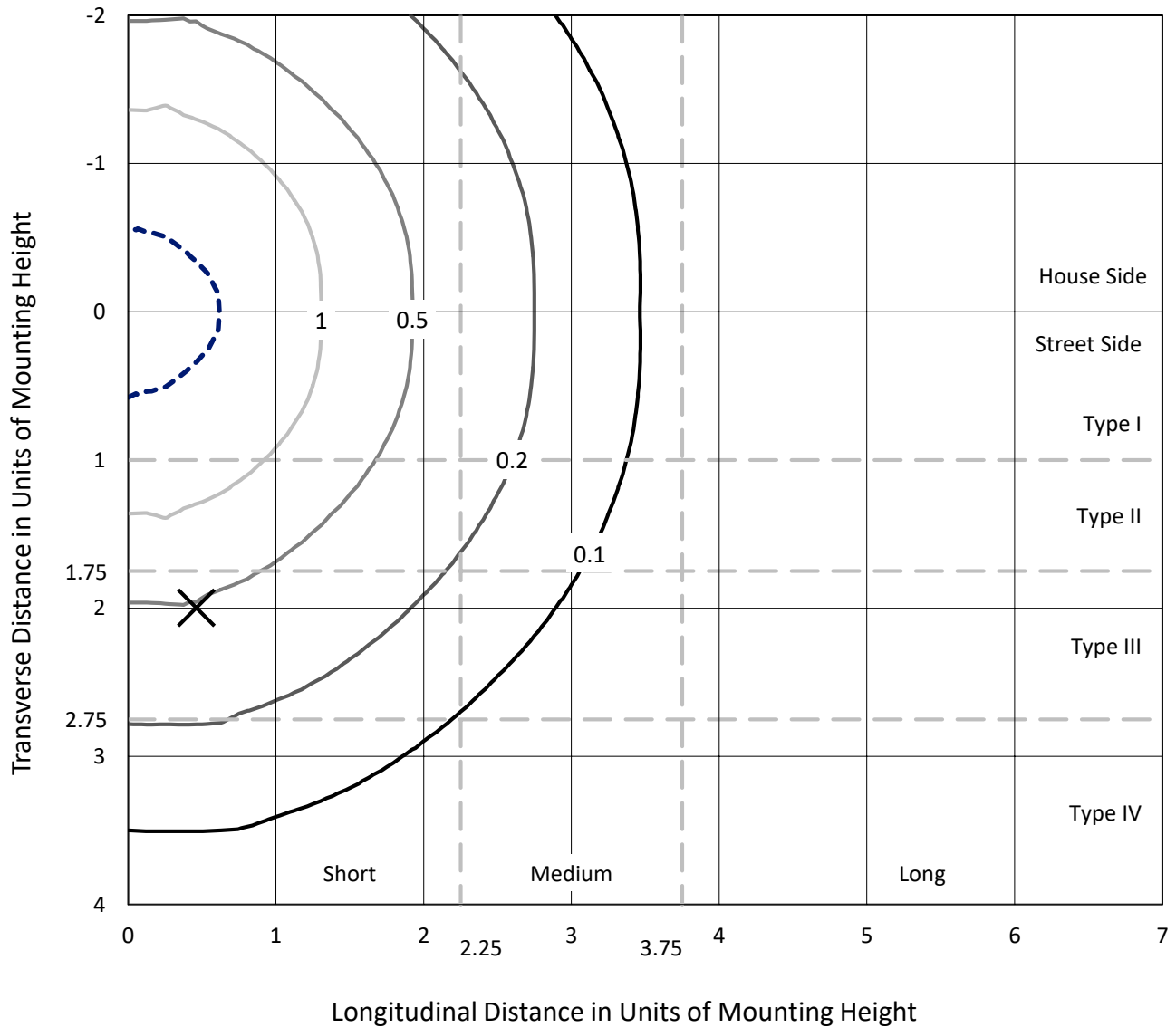


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Iso-Footcandle Lines of Horizontal Illumination

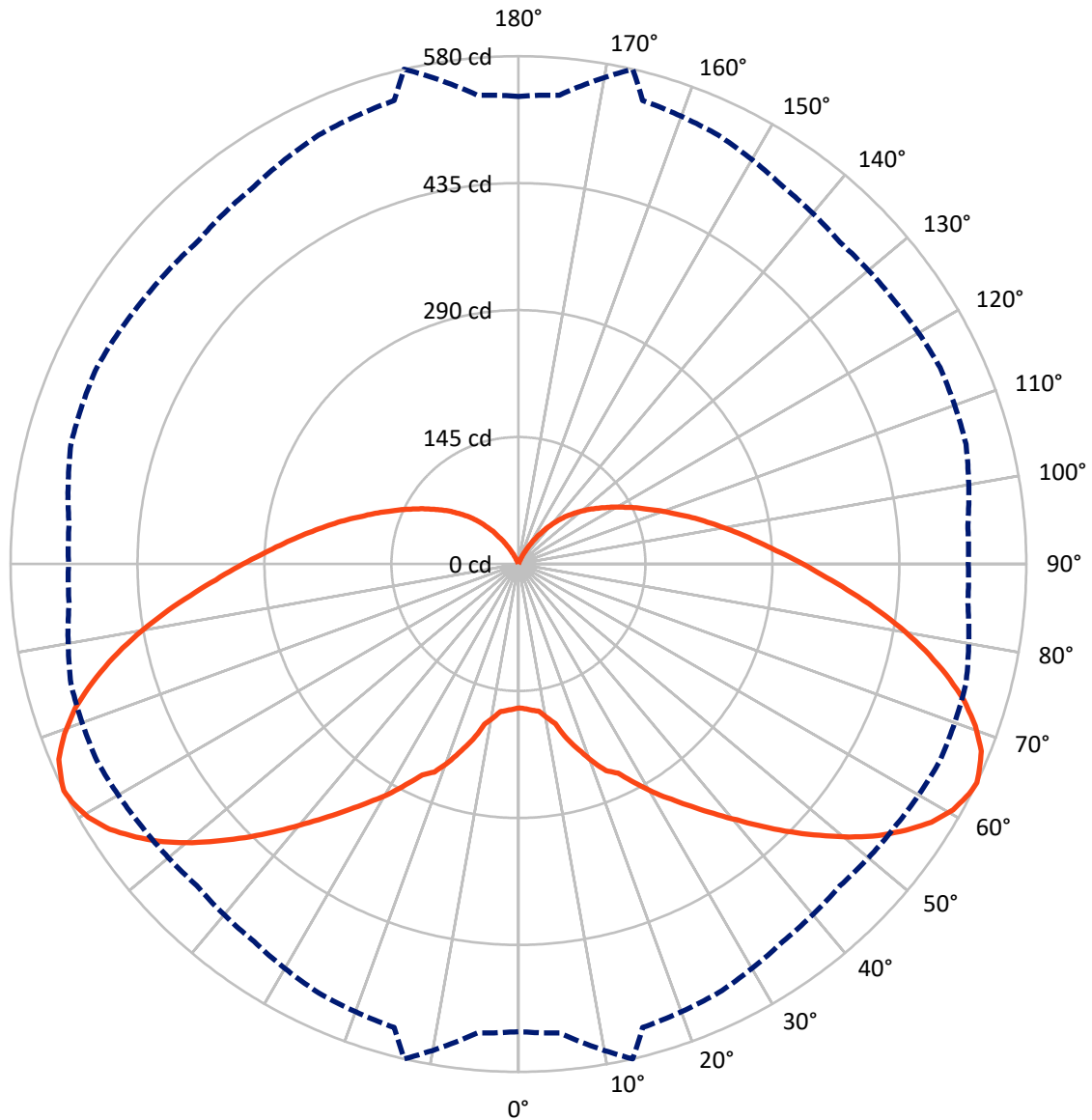
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 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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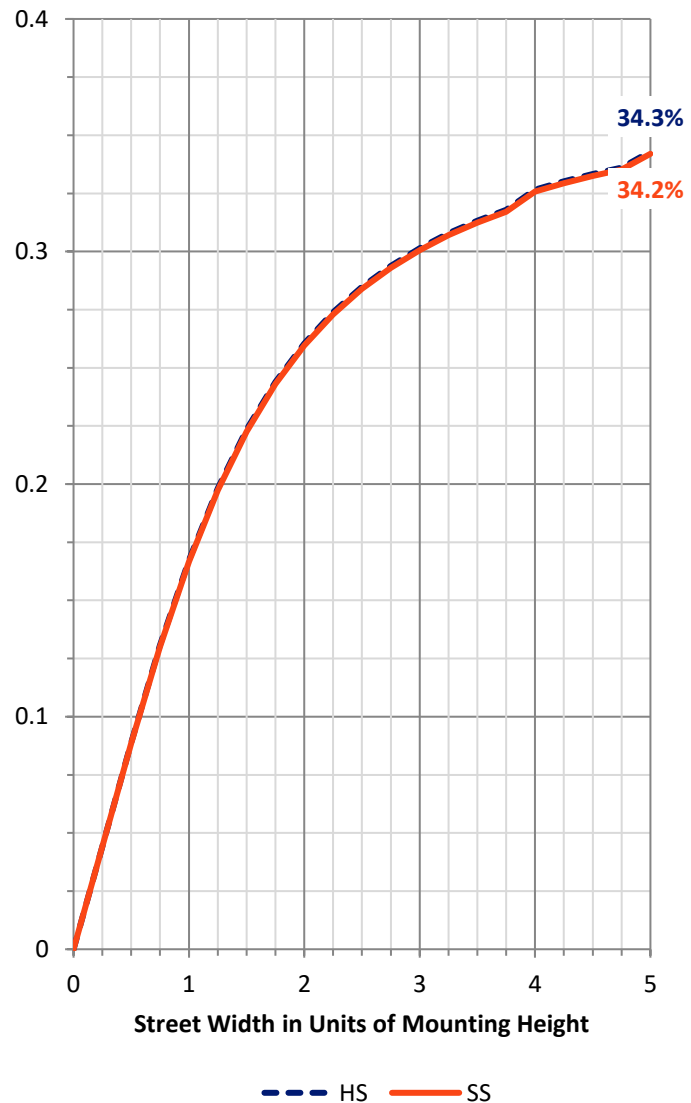
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1295.1	425.3	1720.4
	% Fixture	37.6	12.4	50.0
Street Side	Lumens	1295.1	425.3	1720.4
	% Fixture	37.6	12.4	50.0
Total	Lumens	2590.2	850.7	3440.9
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.5
10°-20°	57.1	1.7
20°-30°	118.0	3.4
30°-40°	204.8	6.0
40°-50°	316.6	9.2
50°-60°	438.5	12.7
60°-70°	524.1	15.2
70°-80°	507.3	14.7
80°-90°	407.2	11.8
90°-100°	303.2	8.8
100°-110°	221.2	6.4
110°-120°	154.5	4.5
120°-130°	98.5	2.9
130°-140°	52.2	1.5
140°-150°	18.6	0.5
150°-160°	2.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2590.2	75.3
0°-180°	3440.9	100.0



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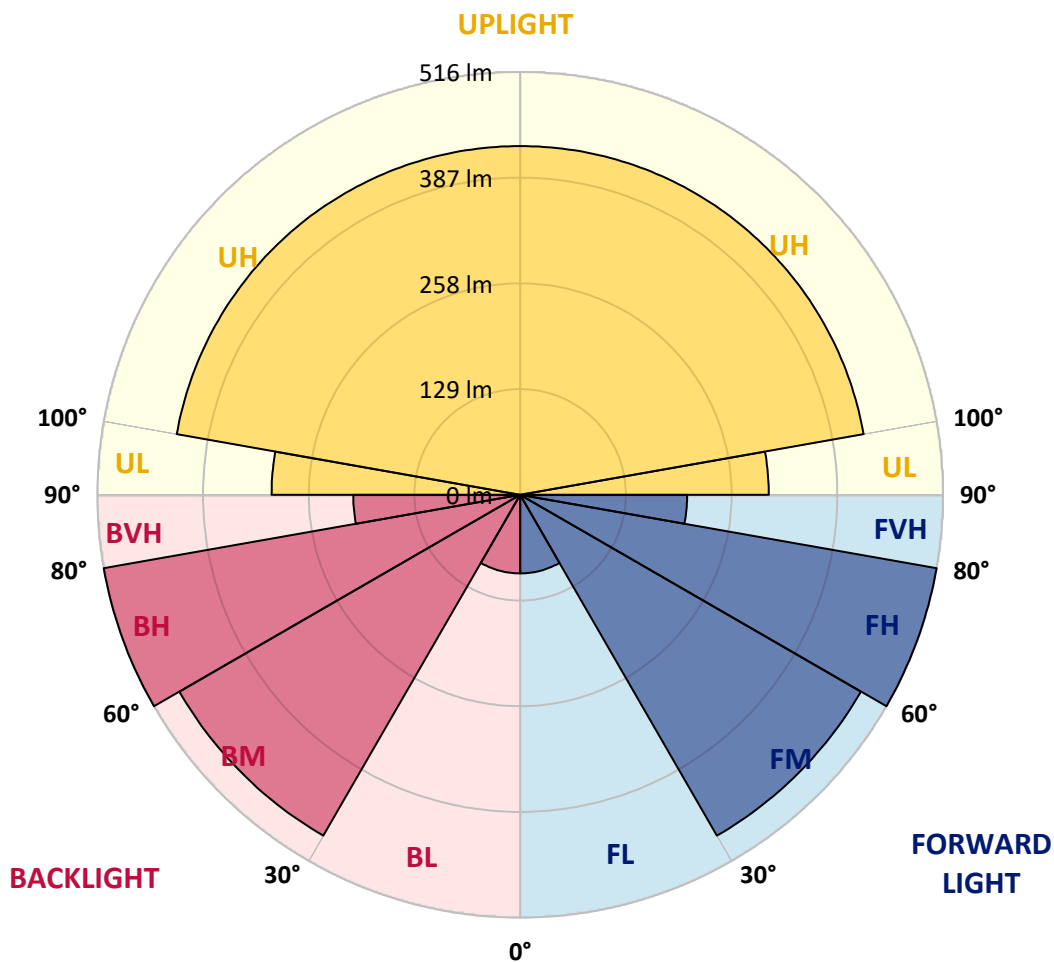
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.9	2.8			
FM	(30°-60°)	480.0	13.9			
FH	(60°-80°)	515.7	15.0			G0/660
FVH	(80°-90°)	203.6	5.9			G2/225
BL	(0°-30°)	95.9	2.8	B0/110		
BM	(30°-60°)	480.0	13.9	B1/1000		
BH	(60°-80°)	515.7	15.0	B2/1000		G0/660
BVH	(80°-90°)	203.6	5.9			G2/225
UL	(90°-100°)	303.2	8.8		U3/500	
UH	(100°-180°)	425.3	12.4		U3/500	

BUG Rating: B2-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
0°	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4
2.5°	164.4	164.4	165.8	164.4	165.1	165.8	165.1	165.1	165.8	165.8	165.8
5°	166.5	165.8	167.9	165.8	167.2	170.0	170.7	174.2	174.9	175.6	173.5
7.5°	167.9	167.9	170.0	167.2	171.4	176.3	177.7	176.3	179.8	182.5	178.4
10°	173.5	172.8	178.4	174.9	176.3	179.8	183.2	186.7	185.3	189.5	184.6
12.5°	180.5	181.2	187.4	182.5	188.1	189.5	188.8	190.2	188.8	191.6	190.9
15°	195.1	194.4	206.9	200.0	199.3	198.6	196.5	194.4	195.8	197.2	195.8
17.5°	208.3	209.0	223.0	213.9	218.1	213.9	204.8	202.1	203.4	205.5	207.6
20°	223.7	223.0	240.4	229.9	234.8	227.1	219.5	214.6	216.7	218.8	220.2
22.5°	237.6	238.3	256.4	243.2	244.6	241.8	235.5	232.7	229.9	231.3	232.0
25°	253.6	253.6	264.8	252.2	255.0	255.0	255.0	250.8	243.9	244.6	245.9
27.5°	271.0	271.0	282.9	269.6	270.3	273.8	273.1	269.6	261.3	259.9	262.0
30°	287.1	287.1	302.4	287.1	290.5	293.3	291.9	287.8	280.8	275.9	276.6
32.5°	303.8	303.8	320.5	304.5	309.4	312.8	312.1	308.7	299.6	291.2	291.2
35°	321.9	321.9	340.0	322.6	330.3	333.7	333.0	328.9	319.8	308.0	308.7
37.5°	342.1	341.4	361.6	342.8	350.5	353.2	352.5	348.4	340.7	326.8	326.8
40°	361.6	361.6	384.6	364.4	372.1	374.8	373.5	369.3	361.6	348.4	344.9
42.5°	383.2	382.5	410.4	387.4	393.7	395.7	393.0	389.5	383.2	370.7	365.1
45°	404.8	404.8	436.9	411.1	416.6	416.0	415.3	411.1	404.8	392.3	384.6
47.5°	428.5	427.8	463.3	434.8	439.6	436.9	434.8	431.3	425.7	413.9	404.1
50°	449.4	449.4	490.5	457.8	460.5	457.8	453.6	450.8	446.6	436.9	425.0
52.5°	472.4	471.7	515.6	480.1	481.4	475.9	470.3	469.6	466.8	457.8	445.2
55°	491.9	491.9	537.2	501.0	500.3	491.9	487.0	486.3	486.3	478.7	465.4
57.5°	509.3	510.0	556.7	519.8	516.3	506.5	500.3	501.0	503.7	498.2	483.5
60°	523.2	524.6	570.6	534.4	529.5	517.7	510.7	513.5	518.4	514.2	499.6
62.5°	532.3	535.1	578.3	544.8	537.9	524.6	517.7	521.9	527.4	525.3	511.4
64°	534.4	537.9	580.4	548.3	540.7	526.7	519.8	524.6	531.6	529.5	515.6
65°	534.4	538.6	578.3	549.0	542.1	526.7	519.8	525.3	533.0	530.9	516.3
67.5°	530.2	535.1	570.6	545.5	538.6	523.9	517.0	522.6	530.2	528.1	514.2
70°	517.7	523.9	553.9	535.1	528.8	514.9	508.6	513.5	521.2	519.8	505.1
72.5°	498.2	505.1	532.3	517.7	513.5	501.6	494.7	499.6	506.5	503.7	488.4
75°	472.4	480.7	505.1	495.4	494.0	483.5	478.0	482.1	486.3	480.1	463.3
77.5°	445.2	454.3	475.2	469.6	470.3	462.6	458.5	459.8	461.9	450.1	432.7
80°	416.6	422.9	443.1	439.6	443.8	438.9	434.8	434.8	432.0	420.1	399.2
82.5°	386.0	392.3	409.7	410.4	418.0	414.6	411.8	409.0	403.4	388.1	365.8
85°	353.9	359.5	376.9	379.0	388.1	388.8	386.7	383.2	374.8	357.4	333.0
87.5°	324.7	329.6	346.3	348.4	360.9	365.1	363.0	360.2	348.4	328.2	304.5
90°	298.9	302.4	319.8	321.2	335.1	342.1	341.4	335.1	323.3	301.7	278.0
92.5°	275.9	277.3	294.7	296.1	311.4	319.8	320.5	314.2	301.0	277.3	255.7
95°	254.3	256.4	273.1	273.1	290.5	300.3	301.0	294.7	279.4	257.1	236.2
97.5°	236.2	236.9	253.6	253.6	271.0	280.8	282.9	275.9	261.3	238.3	218.1
100°	218.8	218.8	234.8	234.8	252.2	263.4	265.5	257.8	242.5	219.5	201.4
102.5°	203.4	202.8	218.1	217.4	235.5	246.6	248.7	241.8	226.4	203.4	186.7
105°	189.5	188.8	202.1	201.4	219.5	231.3	234.1	226.4	209.7	187.4	174.2
107.5°	177.0	176.3	186.7	186.0	204.8	216.0	218.8	211.1	194.4	172.8	161.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	165.1	163.7	173.5	172.1	190.2	201.4	204.1	196.5	180.5	159.6	151.9
112.5°	154.0	153.3	160.2	158.2	177.0	188.1	190.2	183.2	166.5	147.0	141.4
115°	144.2	143.5	149.1	146.3	162.3	173.5	177.0	169.3	152.6	135.9	132.4
117.5°	134.5	134.5	138.0	135.2	149.1	160.9	163.0	155.4	140.0	125.4	124.0
120°	125.4	124.7	128.2	124.0	135.9	147.0	149.1	141.4	127.5	116.4	116.4
122.5°	116.4	116.4	118.4	114.3	121.9	133.8	135.9	128.9	115.0	107.3	108.0
125°	108.0	107.3	109.4	103.8	108.7	119.1	121.9	115.7	103.8	98.9	100.3
127.5°	98.9	98.2	101.0	94.8	96.8	105.2	108.0	102.4	93.4	91.3	93.4
130°	89.9	89.2	92.0	85.7	84.3	90.6	94.1	89.2	82.9	83.6	86.4
132.5°	80.8	80.1	83.6	76.6	73.2	76.6	79.4	76.6	73.2	75.2	78.7
135°	71.8	71.8	75.2	67.6	62.7	63.4	64.8	64.1	63.4	68.3	71.1
137.5°	63.4	62.7	66.2	59.2	53.0	50.9	51.6	51.6	53.6	59.9	63.4
140°	53.6	53.6	56.4	50.2	43.2	39.0	39.0	39.7	44.6	51.6	55.0
142.5°	44.6	44.6	47.4	41.1	34.8	28.6	27.9	30.0	36.2	42.5	46.0
145°	36.2	35.5	37.6	32.7	26.5	19.5	17.4	20.9	27.9	34.1	37.6
147.5°	27.2	27.2	29.3	24.4	19.5	12.5	10.5	13.2	20.2	25.8	28.6
150°	19.5	18.8	20.9	16.7	12.5	7.7	4.2	7.7	13.2	17.4	20.2
152.5°	12.5	11.8	13.2	10.5	7.7	3.5	1.4	4.2	7.7	11.1	13.2
155°	6.3	6.3	7.0	5.6	3.5	1.4	0.7	1.4	3.5	5.6	7.0
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):

	90°
0°	164.4
2.5°	165.8
5°	173.5
7.5°	178.4
10°	181.2
12.5°	190.2
15°	196.5
17.5°	206.9
20°	220.2
22.5°	232.7
25°	245.9
27.5°	262.0
30°	277.3
32.5°	291.9
35°	309.4
37.5°	326.8
40°	346.3
42.5°	363.7
45°	383.9
47.5°	404.8
50°	425.0
52.5°	445.9
55°	466.1
57.5°	484.2
60°	498.9
62.5°	510.0
64°	514.2
65°	514.2
67.5°	510.0
70°	500.3
72.5°	482.1
75°	455.7
77.5°	425.0
80°	390.9
82.5°	359.5
85°	326.8
87.5°	298.9
90°	273.8
92.5°	252.2
95°	234.1
97.5°	216.7
100°	200.7
102.5°	186.7
105°	174.9
107.5°	162.3



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CANDELA DISTRIBUTION (continued):

	90°
110°	151.9
112.5°	141.4
115°	133.1
117.5°	124.7
120°	116.4
122.5°	108.7
125°	101.0
127.5°	94.1
130°	87.1
132.5°	79.4
135°	71.8
137.5°	63.4
140°	55.0
142.5°	46.0
145°	37.6
147.5°	28.6
150°	20.2
152.5°	13.2
155°	7.0
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)