

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: P182339

Luminaire Tested: **LXF-E01-LED-E-U-SYM-BK-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P182339  
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-E01-LED-E-U-SYM-BK-8030  
Description: LEXINGTON LED OUTDOOR LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2084 lumens  
Efficiency: N/A  
Efficacy: 84.4 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): 24.7  
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

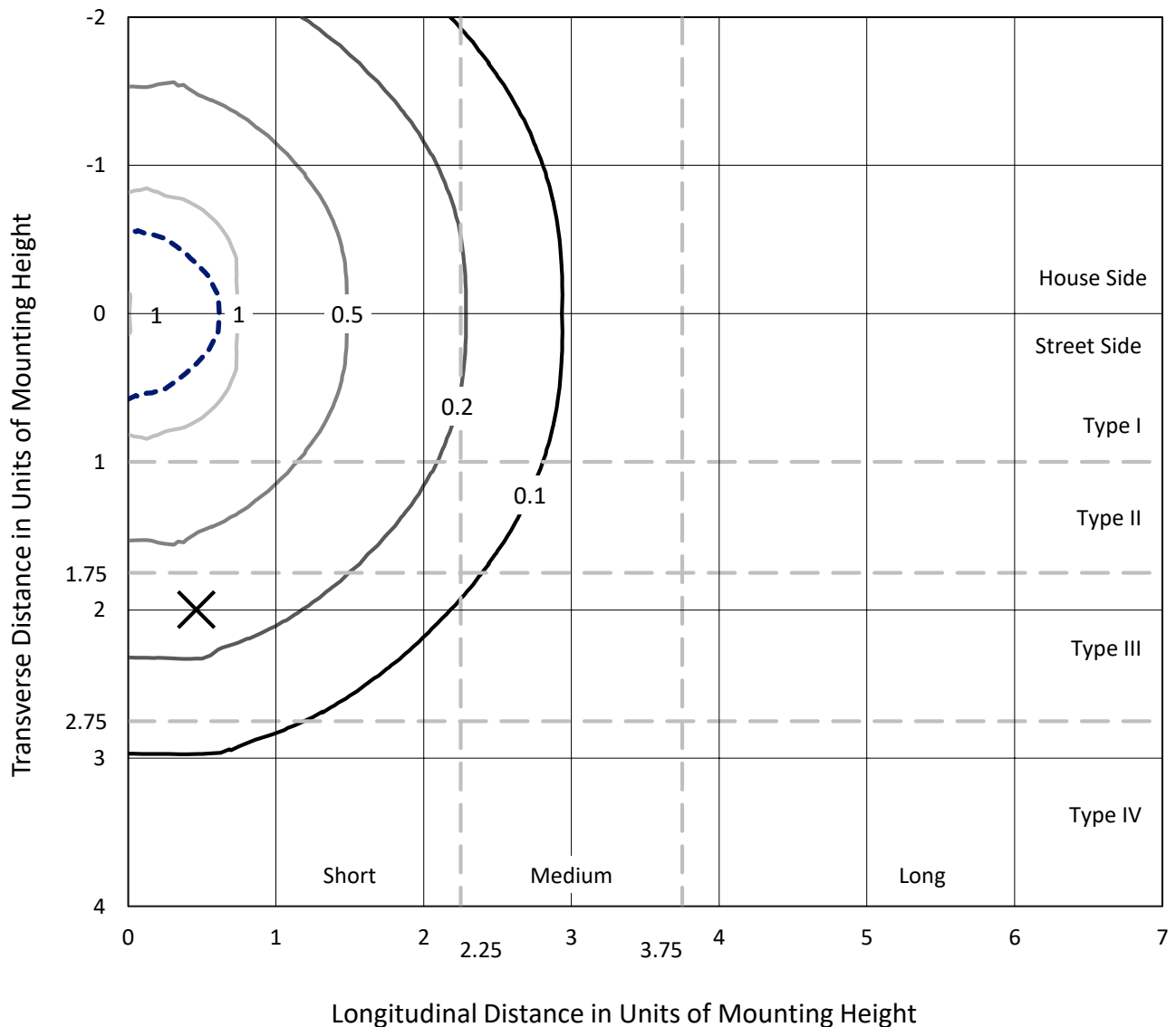


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### Iso-Footcandle Lines of Horizontal Illumination

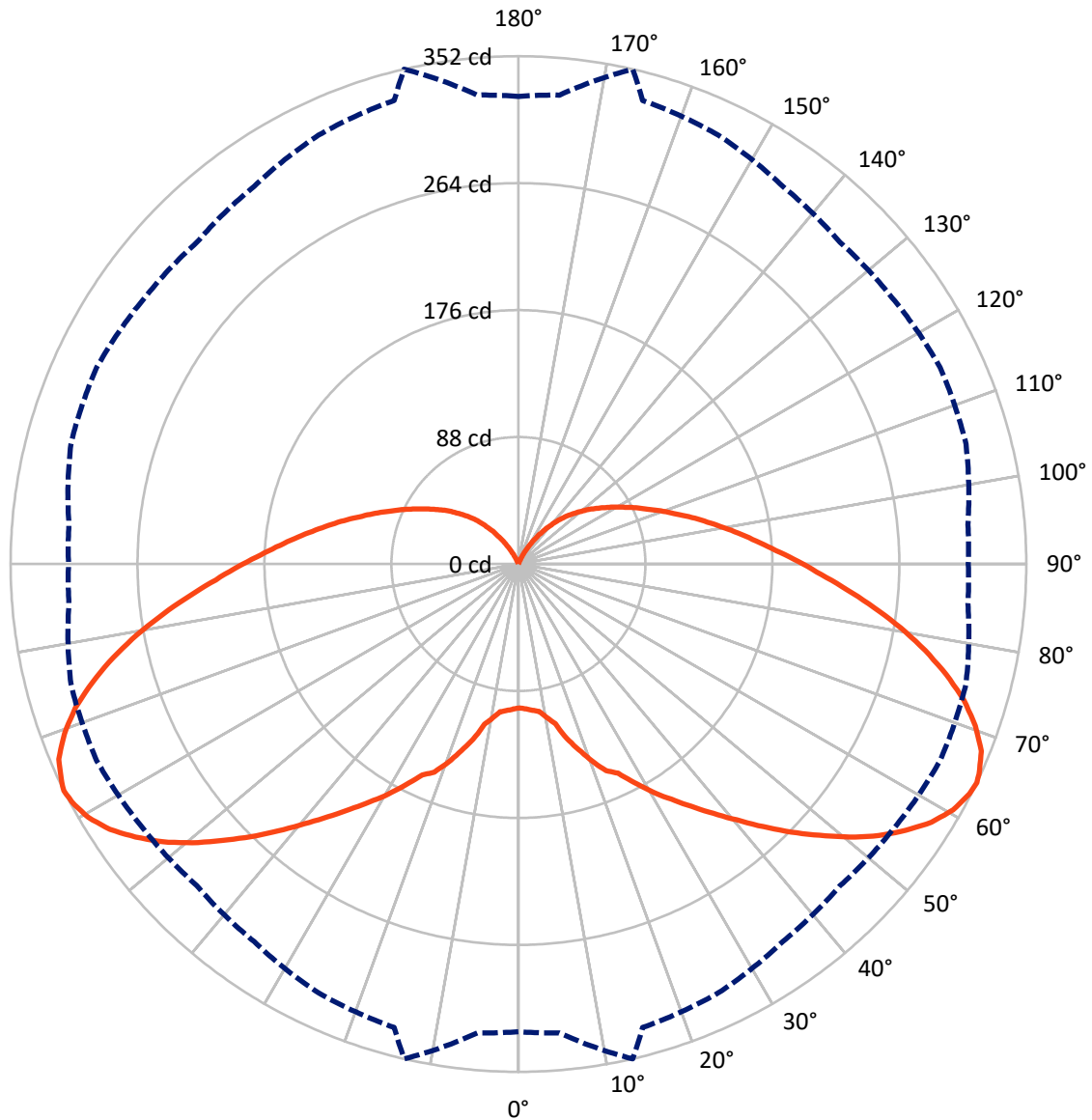
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 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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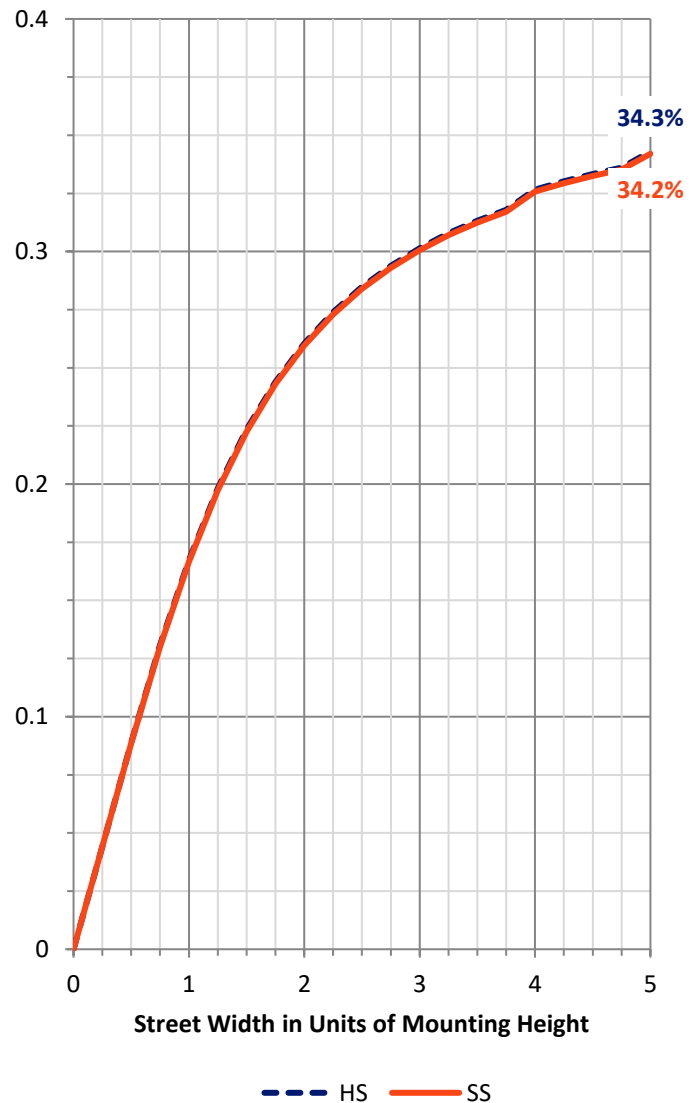
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	784.4	257.6	1042.0
	% Fixture	37.6	12.4	50.0
<b>Street Side</b>	Lumens	784.4	257.6	1042.0
	% Fixture	37.6	12.4	50.0
<b>Total</b>	Lumens	1568.8	515.2	2084.0
	% Fixture	75.3	24.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.5
10°-20°	34.6	1.7
20°-30°	71.5	3.4
30°-40°	124.0	6.0
40°-50°	191.8	9.2
50°-60°	265.6	12.7
60°-70°	317.5	15.2
70°-80°	307.2	14.7
80°-90°	246.6	11.8
90°-100°	183.6	8.8
100°-110°	134.0	6.4
110°-120°	93.6	4.5
120°-130°	59.7	2.9
130°-140°	31.6	1.5
140°-150°	11.3	0.5
150°-160°	1.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1568.8	75.3
0°-180°	2084.0	100.0



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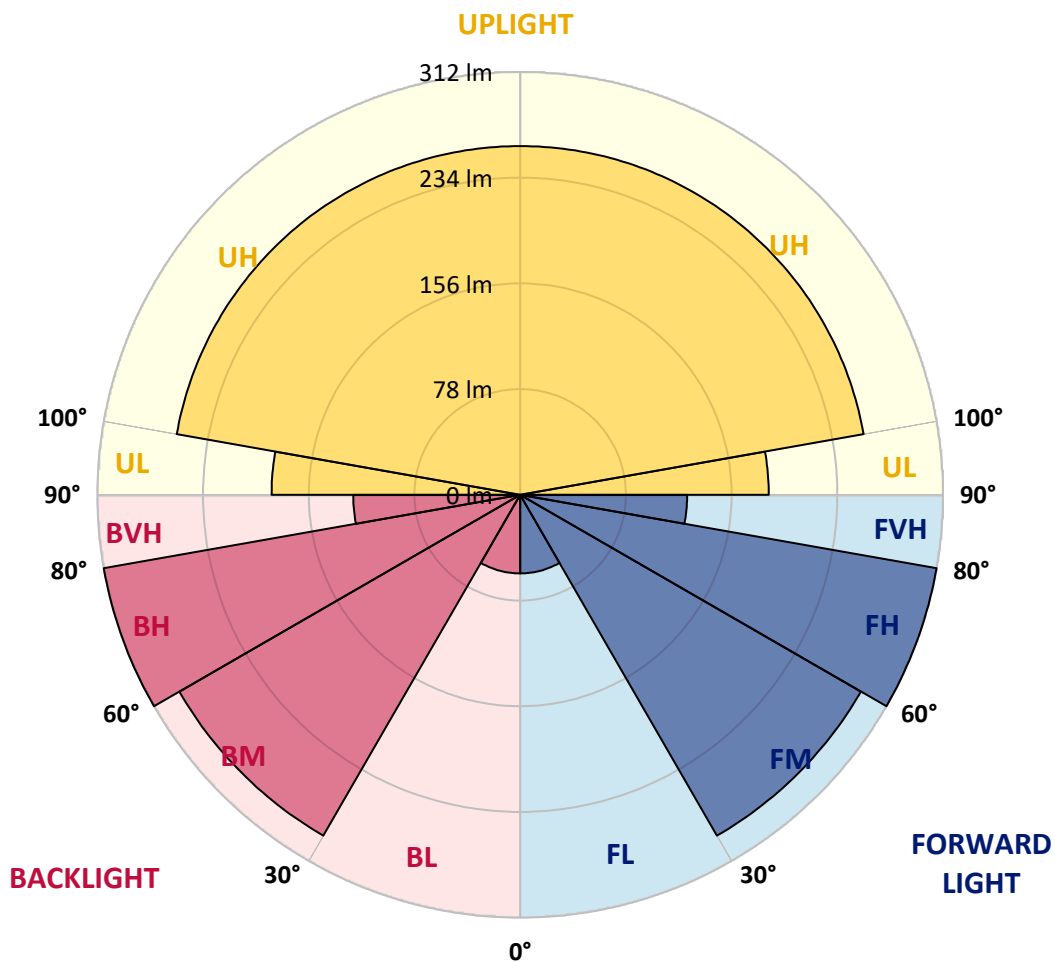
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.1	2.8			
FM	(30°-60°)	290.7	13.9			
FH	(60°-80°)	312.3	15.0			G0/660
FVH	(80°-90°)	123.3	5.9			G2/225
BL	(0°-30°)	58.1	2.8	B0/110		
BM	(30°-60°)	290.7	13.9	B1/1000		
BH	(60°-80°)	312.3	15.0	B1/500		G0/660
BVH	(80°-90°)	123.3	5.9			G2/225
UL	(90°-100°)	183.6	8.8		U3/500	
UH	(100°-180°)	257.6	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°	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5°	99.6	99.6	100.4	99.6	100.0	100.4	100.0	100.0	100.4	100.4	100.4
5°	100.9	100.4	101.7	100.4	101.3	103.0	103.4	105.5	105.9	106.3	105.1
7.5°	101.7	101.7	103.0	101.3	103.8	106.8	107.6	106.8	108.9	110.6	108.0
10°	105.1	104.7	108.0	105.9	106.8	108.9	111.0	113.1	112.3	114.8	111.8
12.5°	109.3	109.7	113.5	110.6	113.9	114.8	114.4	115.2	114.4	116.0	115.6
15°	118.2	117.7	125.3	121.1	120.7	120.3	119.0	117.7	118.6	119.4	118.6
17.5°	126.2	126.6	135.0	129.6	132.1	129.6	124.1	122.4	123.2	124.5	125.8
20°	135.5	135.0	145.6	139.3	142.2	137.6	132.9	130.0	131.2	132.5	133.4
22.5°	143.9	144.3	155.3	147.3	148.1	146.4	142.6	140.9	139.3	140.1	140.5
25°	153.6	153.6	160.4	152.8	154.5	154.5	154.5	151.9	147.7	148.1	149.0
27.5°	164.2	164.2	171.3	163.3	163.7	165.8	165.4	163.3	158.2	157.4	158.7
30°	173.9	173.9	183.1	173.9	176.0	177.7	176.8	174.3	170.1	167.1	167.5
32.5°	184.0	184.0	194.1	184.4	187.4	189.5	189.1	186.9	181.5	176.4	176.4
35°	195.0	195.0	205.9	195.4	200.0	202.1	201.7	199.2	193.7	186.5	186.9
37.5°	207.2	206.8	219.0	207.6	212.3	214.0	213.5	211.0	206.4	197.9	197.9
40°	219.0	219.0	232.9	220.7	225.3	227.0	226.2	223.7	219.0	211.0	208.9
42.5°	232.1	231.7	248.6	234.6	238.4	239.7	238.0	235.9	232.1	224.5	221.1
45°	245.2	245.2	264.6	249.0	252.4	251.9	251.5	249.0	245.2	237.6	232.9
47.5°	259.5	259.1	280.6	263.3	266.3	264.6	263.3	261.2	257.8	250.7	244.8
50°	272.2	272.2	297.1	277.3	278.9	277.3	274.7	273.0	270.5	264.6	257.4
52.5°	286.1	285.7	312.3	290.8	291.6	288.2	284.8	284.4	282.7	277.3	269.7
55°	297.9	297.9	325.4	303.4	303.0	297.9	295.0	294.6	294.6	289.9	281.9
57.5°	308.5	308.9	337.2	314.8	312.7	306.8	303.0	303.4	305.1	301.7	292.9
60°	316.9	317.8	345.6	323.7	320.7	313.5	309.3	311.0	314.0	311.4	302.6
62.5°	322.4	324.1	350.3	330.0	325.8	317.8	313.5	316.1	319.5	318.2	309.7
64°	323.7	325.8	351.5	332.1	327.5	319.0	314.8	317.8	322.0	320.7	312.3
65°	323.7	326.2	350.3	332.5	328.3	319.0	314.8	318.2	322.8	321.6	312.7
67.5°	321.1	324.1	345.6	330.4	326.2	317.3	313.1	316.5	321.1	319.9	311.4
70°	313.5	317.3	335.5	324.1	320.3	311.9	308.1	311.0	315.7	314.8	305.9
72.5°	301.7	305.9	322.4	313.5	311.0	303.8	299.6	302.6	306.8	305.1	295.8
75°	286.1	291.2	305.9	300.0	299.2	292.9	289.5	292.0	294.6	290.8	280.6
77.5°	269.7	275.1	287.8	284.4	284.8	280.2	277.7	278.5	279.8	272.6	262.1
80°	252.4	256.2	268.4	266.3	268.8	265.9	263.3	263.3	261.6	254.5	241.8
82.5°	233.8	237.6	248.1	248.6	253.2	251.1	249.4	247.7	244.3	235.1	221.5
85°	214.4	217.7	228.3	229.6	235.1	235.5	234.2	232.1	227.0	216.5	201.7
87.5°	196.6	199.6	209.7	211.0	218.6	221.1	219.9	218.2	211.0	198.8	184.4
90°	181.0	183.1	193.7	194.5	203.0	207.2	206.8	203.0	195.8	182.7	168.4
92.5°	167.1	168.0	178.5	179.3	188.6	193.7	194.1	190.3	182.3	168.0	154.9
95°	154.0	155.3	165.4	165.4	176.0	181.9	182.3	178.5	169.2	155.7	143.1
97.5°	143.1	143.5	153.6	153.6	164.2	170.1	171.3	167.1	158.2	144.3	132.1
100°	132.5	132.5	142.2	142.2	152.8	159.5	160.8	156.1	146.9	132.9	122.0
102.5°	123.2	122.8	132.1	131.7	142.6	149.4	150.7	146.4	137.1	123.2	113.1
105°	114.8	114.4	122.4	122.0	132.9	140.1	141.8	137.1	127.0	113.5	105.5
107.5°	107.2	106.8	113.1	112.7	124.1	130.8	132.5	127.9	117.7	104.7	97.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	100.0	99.2	105.1	104.2	115.2	122.0	123.6	119.0	109.3	96.6	92.0
112.5°	93.3	92.8	97.1	95.8	107.2	113.9	115.2	111.0	100.9	89.0	85.7
115°	87.4	86.9	90.3	88.6	98.3	105.1	107.2	102.5	92.4	82.3	80.2
117.5°	81.4	81.4	83.6	81.9	90.3	97.5	98.7	94.1	84.8	76.0	75.1
120°	76.0	75.5	77.6	75.1	82.3	89.0	90.3	85.7	77.2	70.5	70.5
122.5°	70.5	70.5	71.7	69.2	73.8	81.0	82.3	78.1	69.6	65.0	65.4
125°	65.4	65.0	66.3	62.9	65.8	72.2	73.8	70.1	62.9	59.9	60.8
127.5°	59.9	59.5	61.2	57.4	58.7	63.7	65.4	62.0	56.5	55.3	56.5
130°	54.4	54.0	55.7	51.9	51.1	54.9	57.0	54.0	50.2	50.6	52.3
132.5°	49.0	48.5	50.6	46.4	44.3	46.4	48.1	46.4	44.3	45.6	47.7
135°	43.5	43.5	45.6	40.9	38.0	38.4	39.2	38.8	38.4	41.4	43.0
137.5°	38.4	38.0	40.1	35.9	32.1	30.8	31.2	31.2	32.5	36.3	38.4
140°	32.5	32.5	34.2	30.4	26.2	23.6	23.6	24.1	27.0	31.2	33.3
142.5°	27.0	27.0	28.7	24.9	21.1	17.3	16.9	18.1	21.9	25.7	27.9
145°	21.9	21.5	22.8	19.8	16.0	11.8	10.5	12.7	16.9	20.7	22.8
147.5°	16.5	16.5	17.7	14.8	11.8	7.6	6.3	8.0	12.2	15.6	17.3
150°	11.8	11.4	12.7	10.1	7.6	4.6	2.5	4.6	8.0	10.5	12.2
152.5°	7.6	7.2	8.0	6.3	4.6	2.1	0.8	2.5	4.6	6.8	8.0
155°	3.8	3.8	4.2	3.4	2.1	0.8	0.4	0.8	2.1	3.4	4.2
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°	99.6
2.5°	100.4
5°	105.1
7.5°	108.0
10°	109.7
12.5°	115.2
15°	119.0
17.5°	125.3
20°	133.4
22.5°	140.9
25°	149.0
27.5°	158.7
30°	168.0
32.5°	176.8
35°	187.4
37.5°	197.9
40°	209.7
42.5°	220.3
45°	232.5
47.5°	245.2
50°	257.4
52.5°	270.1
55°	282.3
57.5°	293.3
60°	302.1
62.5°	308.9
64°	311.4
65°	311.4
67.5°	308.9
70°	303.0
72.5°	292.0
75°	276.0
77.5°	257.4
80°	236.7
82.5°	217.7
85°	197.9
87.5°	181.0
90°	165.8
92.5°	152.8
95°	141.8
97.5°	131.2
100°	121.5
102.5°	113.1
105°	105.9
107.5°	98.3



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	92.0
112.5°	85.7
115°	80.6
117.5°	75.5
120°	70.5
122.5°	65.8
125°	61.2
127.5°	57.0
130°	52.7
132.5°	48.1
135°	43.5
137.5°	38.4
140°	33.3
142.5°	27.9
145°	22.8
147.5°	17.3
150°	12.2
152.5°	8.0
155°	4.2
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)