

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: P182340

Luminaire Tested: **LXF-E01-LED-E-U-SYM-BK-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P182340  
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-7030  
Description: LEXINGTON LED OUTDOOR LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2255.3 lumens  
Efficiency: N/A  
Efficacy: 91.3 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

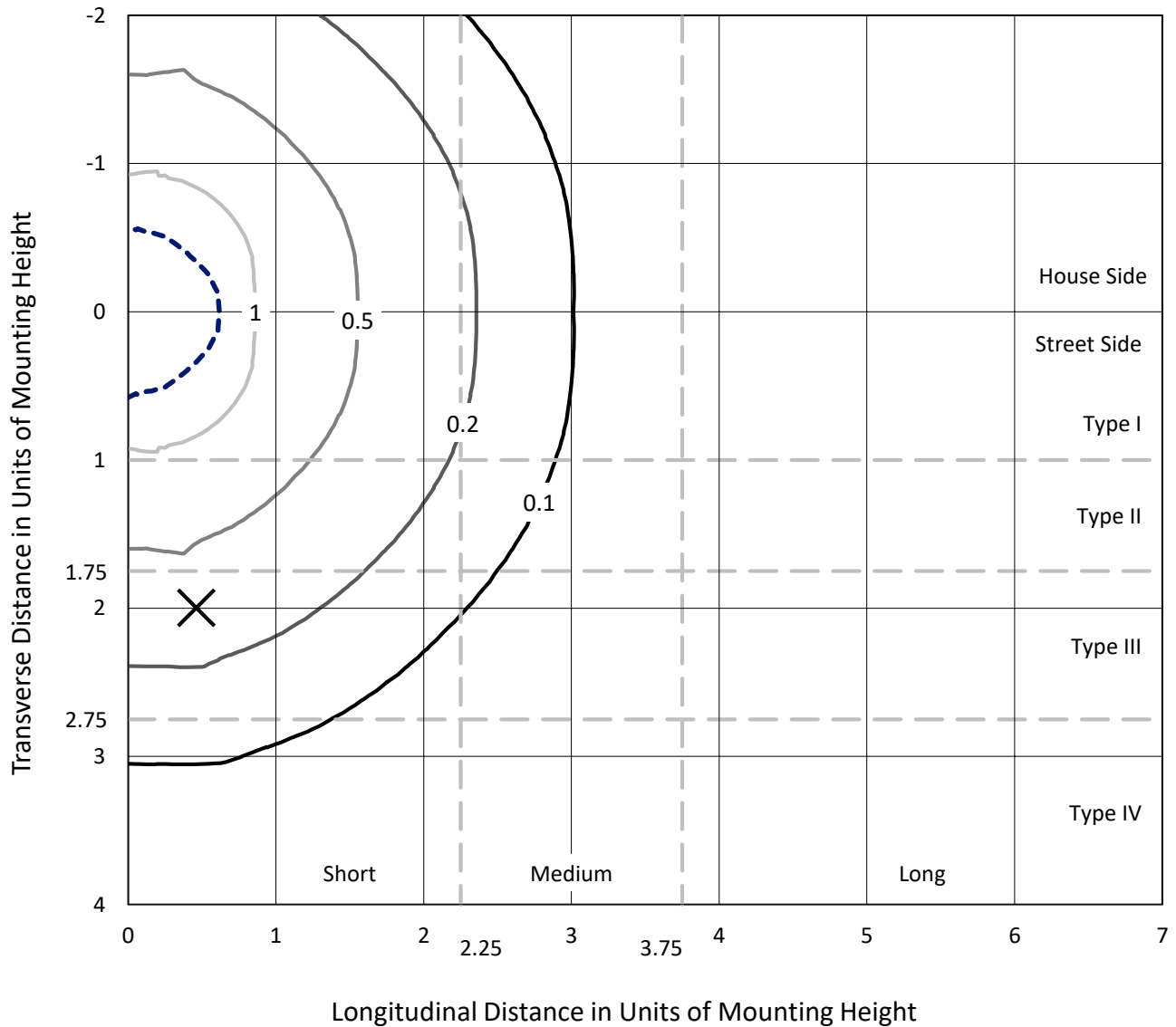


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### Iso-Footcandle Lines of Horizontal Illumination

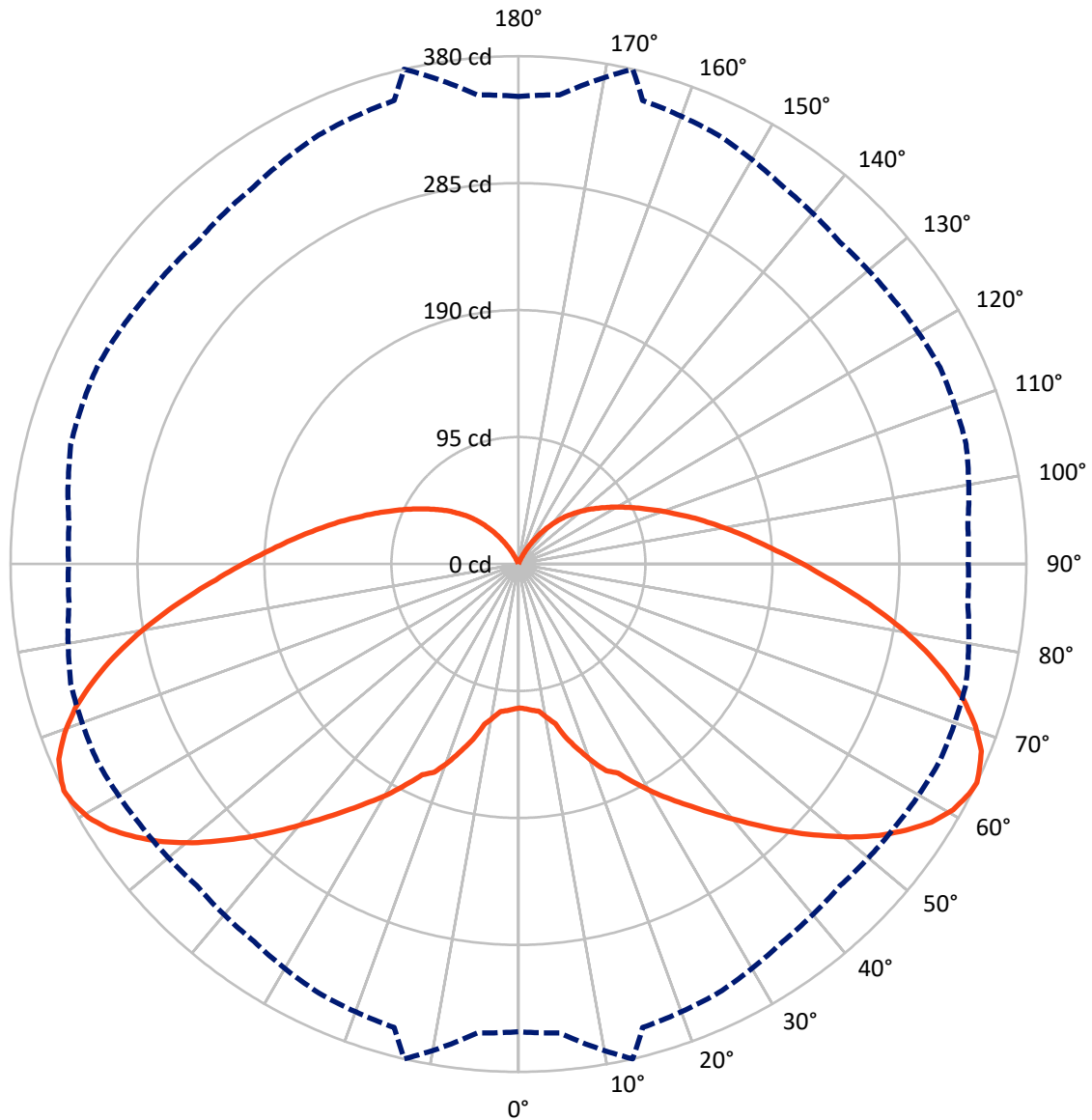
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.3 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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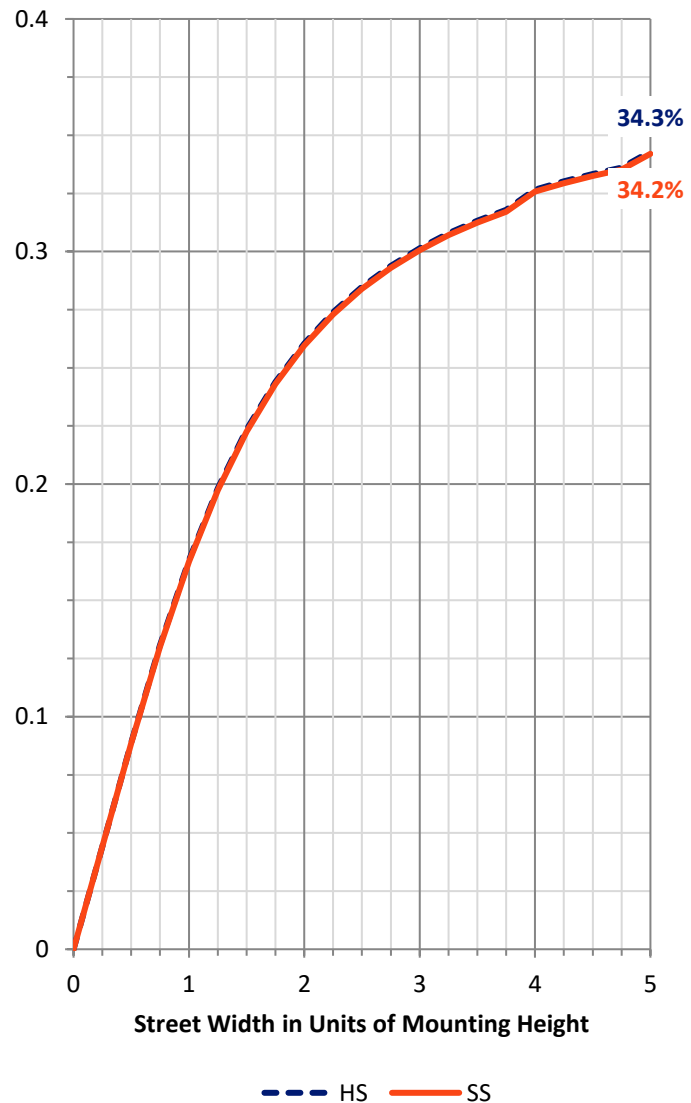
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	848.9	278.8	1127.7
	% Fixture	37.6	12.4	50.0
<b>Street Side</b>	Lumens	848.9	278.8	1127.7
	% Fixture	37.6	12.4	50.0
<b>Total</b>	Lumens	1697.7	557.6	2255.3
	% Fixture	75.3	24.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	0.5
10°-20°	37.4	1.7
20°-30°	77.3	3.4
30°-40°	134.2	6.0
40°-50°	207.5	9.2
50°-60°	287.4	12.7
60°-70°	343.5	15.2
70°-80°	332.5	14.7
80°-90°	266.9	11.8
90°-100°	198.7	8.8
100°-110°	145.0	6.4
110°-120°	101.3	4.5
120°-130°	64.6	2.9
130°-140°	34.2	1.5
140°-150°	12.2	0.5
150°-160°	1.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1697.7	75.3
0°-180°	2255.3	100.0



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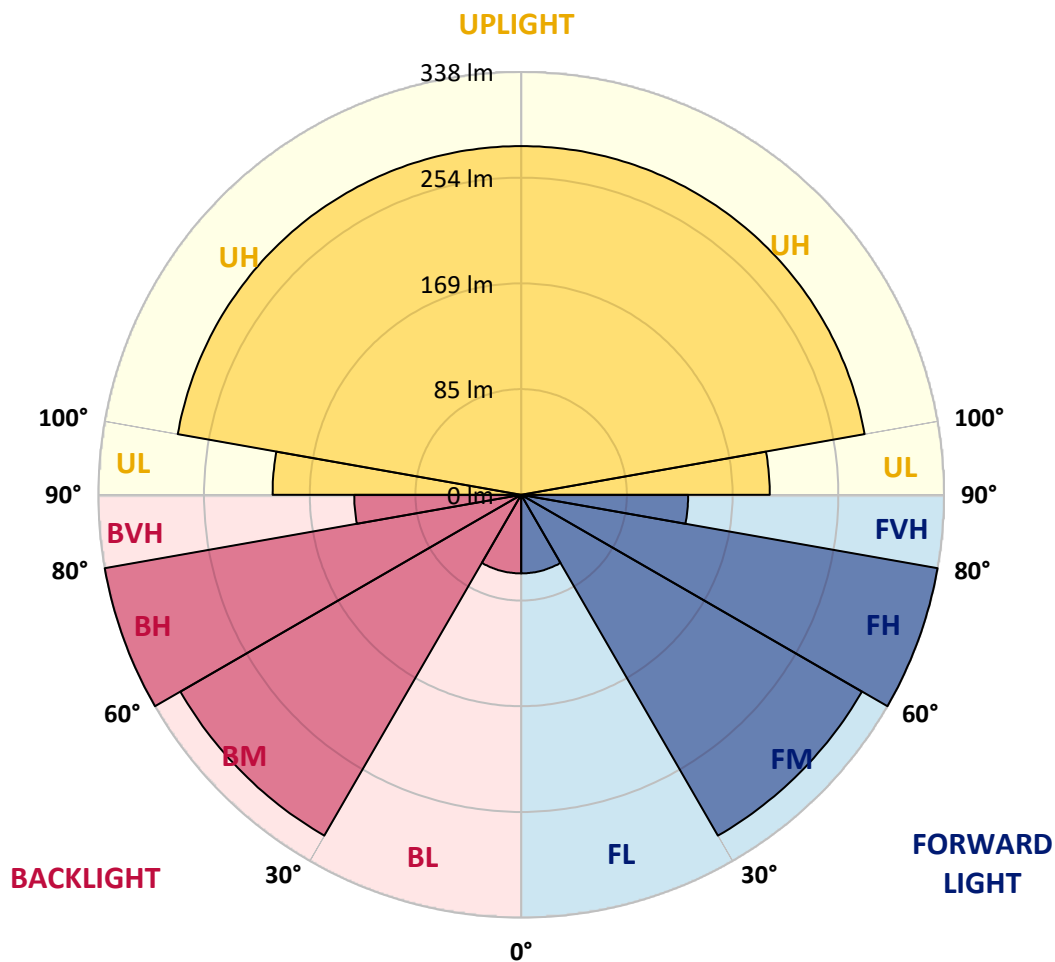
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.8	2.8			
FM	(30°-60°)	314.6	13.9			
FH	(60°-80°)	338.0	15.0			G0/660
FVH	(80°-90°)	133.4	5.9			G2/225
BL	(0°-30°)	62.8	2.8	B0/110		
BM	(30°-60°)	314.6	13.9	B1/1000		
BH	(60°-80°)	338.0	15.0	B1/500		G0/660
BVH	(80°-90°)	133.4	5.9			G2/225
UL	(90°-100°)	198.7	8.8		U3/500	
UH	(100°-180°)	278.8	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°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
2.5°	107.8	107.8	108.7	107.8	108.2	108.7	108.2	108.2	108.7	108.7	108.7
5°	109.1	108.7	110.1	108.7	109.6	111.4	111.9	114.2	114.6	115.1	113.7
7.5°	110.1	110.1	111.4	109.6	112.3	115.5	116.5	115.5	117.8	119.6	116.9
10°	113.7	113.3	116.9	114.6	115.5	117.8	120.1	122.4	121.5	124.2	121.0
12.5°	118.3	118.7	122.8	119.6	123.3	124.2	123.8	124.7	123.8	125.6	125.1
15°	127.9	127.4	135.6	131.1	130.6	130.2	128.8	127.4	128.3	129.2	128.3
17.5°	136.5	137.0	146.1	140.2	142.9	140.2	134.3	132.4	133.3	134.7	136.1
20°	146.6	146.1	157.6	150.7	153.9	148.9	143.9	140.7	142.0	143.4	144.3
22.5°	155.7	156.2	168.1	159.4	160.3	158.5	154.4	152.5	150.7	151.6	152.1
25°	166.2	166.2	173.5	165.3	167.1	167.1	167.1	164.4	159.8	160.3	161.2
27.5°	177.6	177.6	185.4	176.7	177.2	179.5	179.0	176.7	171.3	170.3	171.7
30°	188.2	188.2	198.2	188.2	190.4	192.3	191.3	188.6	184.0	180.8	181.3
32.5°	199.1	199.1	210.1	199.6	202.8	205.0	204.6	202.3	196.4	190.9	190.9
35°	211.0	211.0	222.9	211.4	216.5	218.7	218.3	215.6	209.6	201.9	202.3
37.5°	224.2	223.8	237.0	224.7	229.7	231.5	231.1	228.3	223.3	214.2	214.2
40°	237.0	237.0	252.1	238.8	243.9	245.7	244.8	242.0	237.0	228.3	226.1
42.5°	251.2	250.7	269.0	253.9	258.0	259.4	257.6	255.3	251.2	243.0	239.3
45°	265.3	265.3	286.3	269.4	273.1	272.6	272.2	269.4	265.3	257.1	252.1
47.5°	280.9	280.4	303.7	285.0	288.2	286.3	285.0	282.7	279.0	271.3	264.9
50°	294.6	294.6	321.5	300.0	301.9	300.0	297.3	295.5	292.7	286.3	278.6
52.5°	309.6	309.2	337.9	314.6	315.6	311.9	308.3	307.8	306.0	300.0	291.8
55°	322.4	322.4	352.1	328.3	327.9	322.4	319.2	318.8	318.8	313.7	305.1
57.5°	333.8	334.3	364.9	340.7	338.4	332.0	327.9	328.3	330.2	326.5	316.9
60°	343.0	343.9	374.0	350.3	347.1	339.3	334.7	336.6	339.8	337.0	327.4
62.5°	348.9	350.7	379.0	357.1	352.6	343.9	339.3	342.0	345.7	344.3	335.2
64°	350.3	352.6	380.4	359.4	354.4	345.2	340.7	343.9	348.4	347.1	337.9
65°	350.3	353.0	379.0	359.9	355.3	345.2	340.7	344.3	349.4	348.0	338.4
67.5°	347.5	350.7	374.0	357.6	353.0	343.4	338.9	342.5	347.5	346.2	337.0
70°	339.3	343.4	363.1	350.7	346.6	337.5	333.4	336.6	341.6	340.7	331.1
72.5°	326.5	331.1	348.9	339.3	336.6	328.8	324.2	327.4	332.0	330.2	320.1
75°	309.6	315.1	331.1	324.7	323.8	316.9	313.3	316.0	318.8	314.6	303.7
77.5°	291.8	297.8	311.5	307.8	308.3	303.2	300.5	301.4	302.8	295.0	283.6
80°	273.1	277.2	290.4	288.2	290.9	287.7	285.0	285.0	283.1	275.4	261.7
82.5°	253.0	257.1	268.5	269.0	274.0	271.7	269.9	268.1	264.4	254.4	239.8
85°	232.0	235.6	247.1	248.4	254.4	254.8	253.5	251.2	245.7	234.3	218.3
87.5°	212.8	216.0	227.0	228.3	236.6	239.3	237.9	236.1	228.3	215.1	199.6
90°	195.9	198.2	209.6	210.5	219.7	224.2	223.8	219.7	211.9	197.7	182.2
92.5°	180.8	181.8	193.2	194.1	204.1	209.6	210.1	206.0	197.3	181.8	167.6
95°	166.7	168.1	179.0	179.0	190.4	196.8	197.3	193.2	183.1	168.5	154.8
97.5°	154.8	155.3	166.2	166.2	177.6	184.0	185.4	180.8	171.3	156.2	142.9
100°	143.4	143.4	153.9	153.9	165.3	172.6	174.0	169.0	158.9	143.9	132.0
102.5°	133.3	132.9	142.9	142.5	154.4	161.7	163.0	158.5	148.4	133.3	122.4
105°	124.2	123.8	132.4	132.0	143.9	151.6	153.4	148.4	137.5	122.8	114.2
107.5°	116.0	115.5	122.4	121.9	134.3	141.6	143.4	138.4	127.4	113.3	105.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	108.2	107.3	113.7	112.8	124.7	132.0	133.8	128.8	118.3	104.6	99.6
112.5°	100.9	100.5	105.0	103.7	116.0	123.3	124.7	120.1	109.1	96.4	92.7
115°	94.5	94.1	97.7	95.9	106.4	113.7	116.0	111.0	100.0	89.1	86.8
117.5°	88.1	88.1	90.4	88.6	97.7	105.5	106.9	101.8	91.8	82.2	81.3
120°	82.2	81.7	84.0	81.3	89.1	96.4	97.7	92.7	83.6	76.3	76.3
122.5°	76.3	76.3	77.6	74.9	79.9	87.7	89.1	84.5	75.4	70.3	70.8
125°	70.8	70.3	71.7	68.0	71.2	78.1	79.9	75.8	68.0	64.8	65.8
127.5°	64.8	64.4	66.2	62.1	63.5	69.0	70.8	67.1	61.2	59.8	61.2
130°	58.9	58.5	60.3	56.2	55.3	59.4	61.7	58.5	54.3	54.8	56.6
132.5°	53.0	52.5	54.8	50.2	48.0	50.2	52.1	50.2	48.0	49.3	51.6
135°	47.0	47.0	49.3	44.3	41.1	41.6	42.5	42.0	41.6	44.8	46.6
137.5°	41.6	41.1	43.4	38.8	34.7	33.3	33.8	33.8	35.2	39.3	41.6
140°	35.2	35.2	37.0	32.9	28.3	25.6	25.6	26.0	29.2	33.8	36.1
142.5°	29.2	29.2	31.1	26.9	22.8	18.7	18.3	19.6	23.7	27.9	30.1
145°	23.7	23.3	24.7	21.5	17.4	12.8	11.4	13.7	18.3	22.4	24.7
147.5°	17.8	17.8	19.2	16.0	12.8	8.2	6.9	8.7	13.2	16.9	18.7
150°	12.8	12.3	13.7	11.0	8.2	5.0	2.7	5.0	8.7	11.4	13.2
152.5°	8.2	7.8	8.7	6.9	5.0	2.3	0.9	2.7	5.0	7.3	8.7
155°	4.1	4.1	4.6	3.7	2.3	0.9	0.5	0.9	2.3	3.7	4.6
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°	107.8
2.5°	108.7
5°	113.7
7.5°	116.9
10°	118.7
12.5°	124.7
15°	128.8
17.5°	135.6
20°	144.3
22.5°	152.5
25°	161.2
27.5°	171.7
30°	181.8
32.5°	191.3
35°	202.8
37.5°	214.2
40°	227.0
42.5°	238.4
45°	251.6
47.5°	265.3
50°	278.6
52.5°	292.3
55°	305.5
57.5°	317.4
60°	327.0
62.5°	334.3
64°	337.0
65°	337.0
67.5°	334.3
70°	327.9
72.5°	316.0
75°	298.7
77.5°	278.6
80°	256.2
82.5°	235.6
85°	214.2
87.5°	195.9
90°	179.5
92.5°	165.3
95°	153.4
97.5°	142.0
100°	131.5
102.5°	122.4
105°	114.6
107.5°	106.4



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	99.6
112.5°	92.7
115°	87.2
117.5°	81.7
120°	76.3
122.5°	71.2
125°	66.2
127.5°	61.7
130°	57.1
132.5°	52.1
135°	47.0
137.5°	41.6
140°	36.1
142.5°	30.1
145°	24.7
147.5°	18.7
150°	13.2
152.5°	8.7
155°	4.6
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)