

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: P182344

Luminaire Tested: **LXF-F01-LED-E-U-SYM-BK-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P182344  
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-8030  
Description: LEXINGTON LED OUTDOOR LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1720.4 lumens  
Efficiency: N/A  
Efficacy: 66.4 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): 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

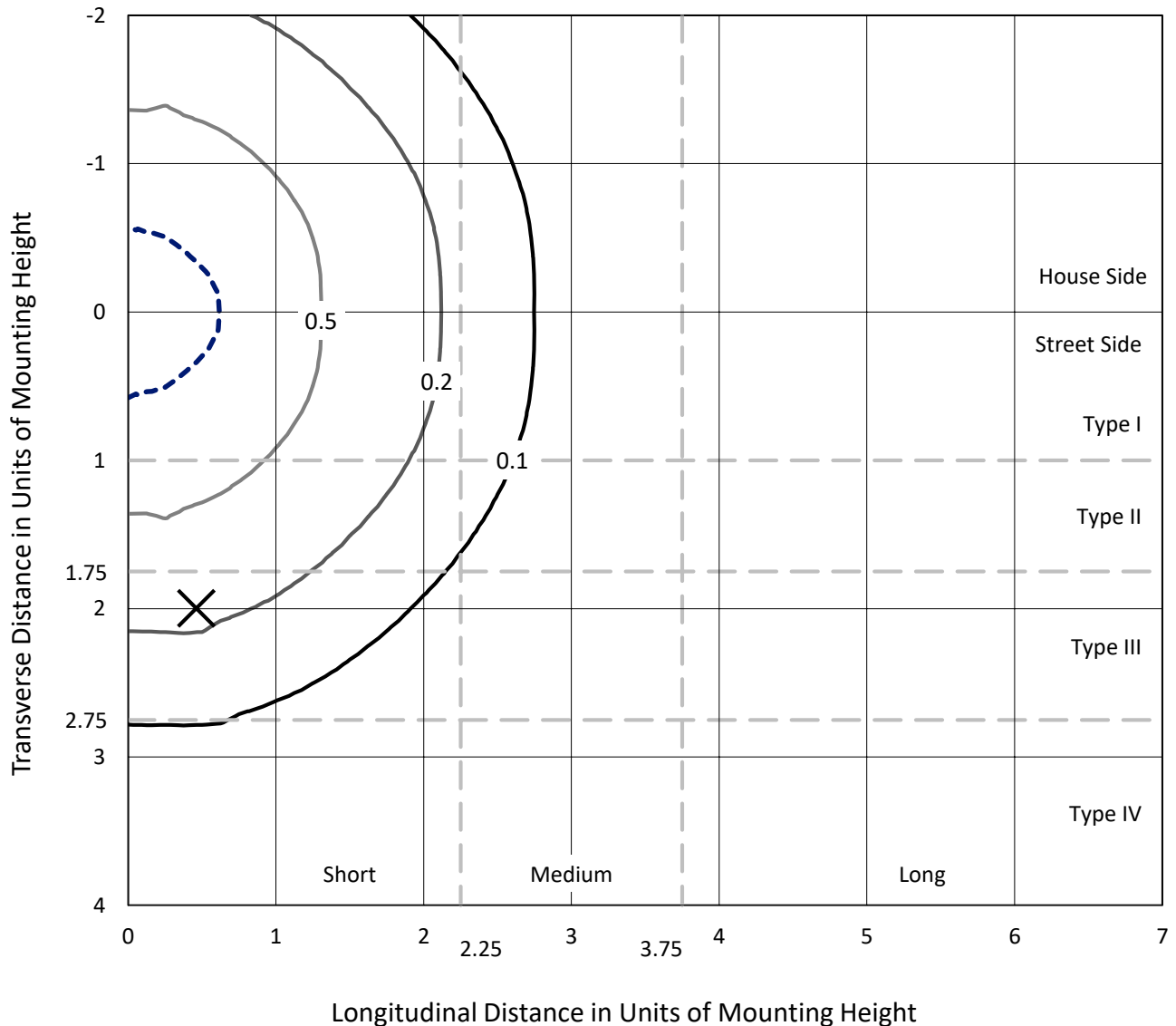


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### Iso-Footcandle Lines of Horizontal Illumination

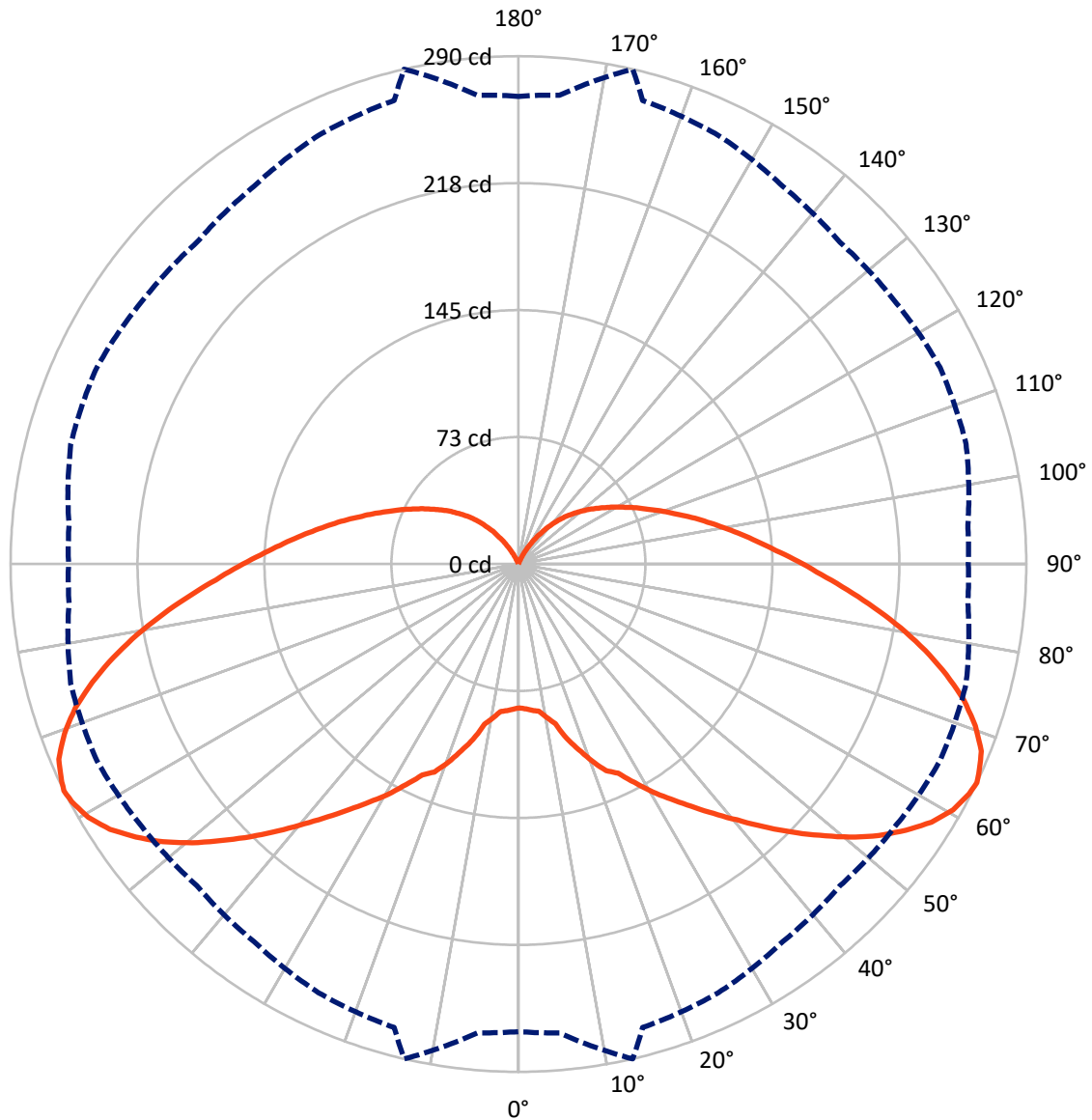
✕ Max cd  
 - - - 1/2 Max cd



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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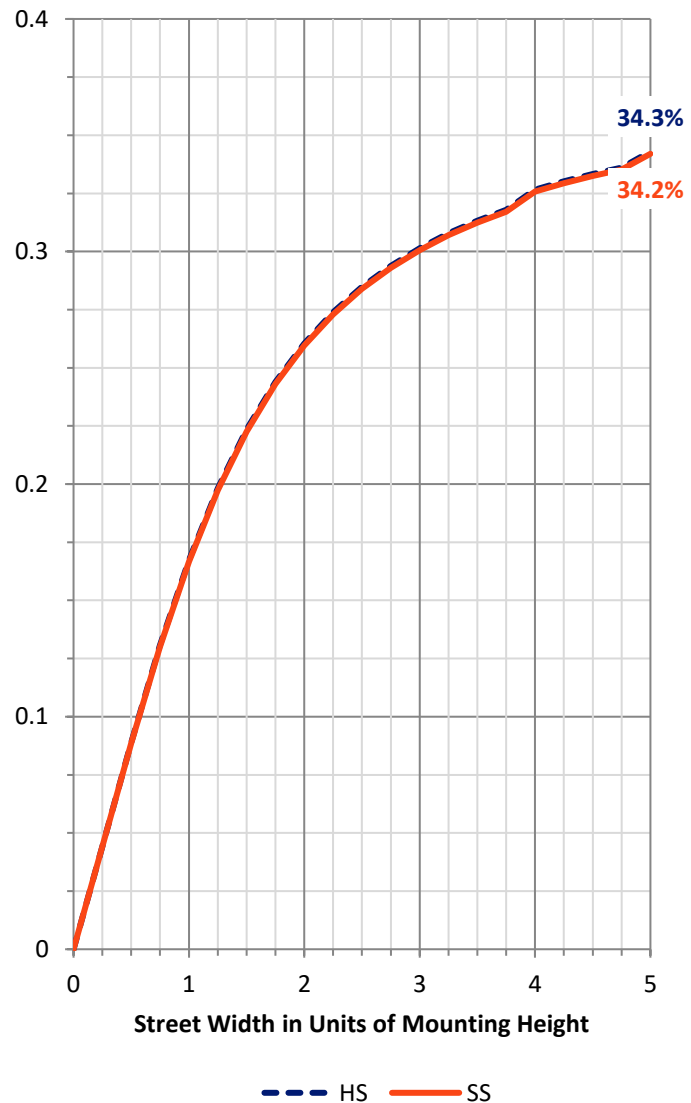
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	647.5	212.7	860.2
	% Fixture	37.6	12.4	50.0
<b>Street Side</b>	Lumens	647.5	212.7	860.2
	% Fixture	37.6	12.4	50.0
<b>Total</b>	Lumens	1295.1	425.3	1720.4
	% Fixture	75.3	24.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.5
10°-20°	28.6	1.7
20°-30°	59.0	3.4
30°-40°	102.4	6.0
40°-50°	158.3	9.2
50°-60°	219.3	12.7
60°-70°	262.1	15.2
70°-80°	253.6	14.7
80°-90°	203.6	11.8
90°-100°	151.6	8.8
100°-110°	110.6	6.4
110°-120°	77.3	4.5
120°-130°	49.3	2.9
130°-140°	26.1	1.5
140°-150°	9.3	0.5
150°-160°	1.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1295.1	75.3
0°-180°	1720.4	100.0



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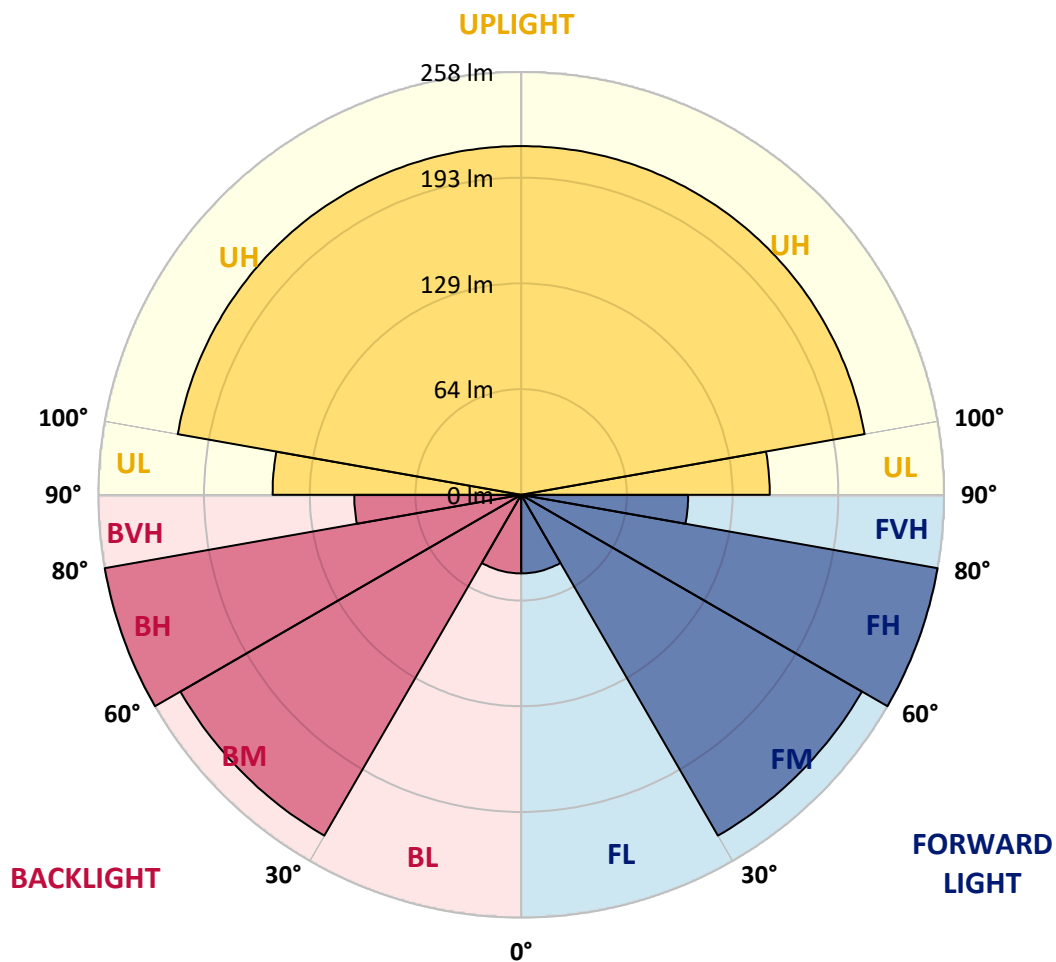
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.9	2.8			
FM (30°-60°)	240.0	13.9			
FH (60°-80°)	257.9	15.0			G0/660
FVH (80°-90°)	101.8	5.9			G2/225
BL (0°-30°)	47.9	2.8	B0/110		
BM (30°-60°)	240.0	13.9	B1/1000		
BH (60°-80°)	257.9	15.0	B1/500		G0/660
BVH (80°-90°)	101.8	5.9			G2/225
UL (90°-100°)	151.6	8.8		U3/500	
UH (100°-180°)	212.7	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°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	82.2	82.2	82.9	82.2	82.6	82.9	82.6	82.6	82.9	82.9	82.9
5°	83.3	82.9	84.0	82.9	83.6	85.0	85.4	87.1	87.4	87.8	86.7
7.5°	84.0	84.0	85.0	83.6	85.7	88.1	88.8	88.1	89.9	91.3	89.2
10°	86.7	86.4	89.2	87.4	88.1	89.9	91.6	93.4	92.7	94.8	92.3
12.5°	90.2	90.6	93.7	91.3	94.1	94.8	94.4	95.1	94.4	95.8	95.5
15°	97.5	97.2	103.5	100.0	99.6	99.3	98.2	97.2	97.9	98.6	97.9
17.5°	104.2	104.5	111.5	106.9	109.0	106.9	102.4	101.0	101.7	102.8	103.8
20°	111.8	111.5	120.2	115.0	117.4	113.6	109.7	107.3	108.3	109.4	110.1
22.5°	118.8	119.1	128.2	121.6	122.3	120.9	117.7	116.4	115.0	115.7	116.0
25°	126.8	126.8	132.4	126.1	127.5	127.5	127.5	125.4	121.9	122.3	123.0
27.5°	135.5	135.5	141.4	134.8	135.2	136.9	136.6	134.8	130.6	129.9	131.0
30°	143.5	143.5	151.2	143.5	145.3	146.7	146.0	143.9	140.4	138.0	138.3
32.5°	151.9	151.9	160.2	152.2	154.7	156.4	156.1	154.3	149.8	145.6	145.6
35°	160.9	160.9	170.0	161.3	165.1	166.9	166.5	164.4	159.9	154.0	154.3
37.5°	171.0	170.7	180.8	171.4	175.2	176.6	176.3	174.2	170.4	163.4	163.4
40°	180.8	180.8	192.3	182.2	186.0	187.4	186.7	184.6	180.8	174.2	172.4
42.5°	191.6	191.3	205.2	193.7	196.8	197.9	196.5	194.7	191.6	185.3	182.5
45°	202.4	202.4	218.4	205.5	208.3	208.0	207.6	205.5	202.4	196.1	192.3
47.5°	214.2	213.9	231.7	217.4	219.8	218.4	217.4	215.6	212.9	206.9	202.1
50°	224.7	224.7	245.3	228.9	230.3	228.9	226.8	225.4	223.3	218.4	212.5
52.5°	236.2	235.8	257.8	240.0	240.7	237.9	235.1	234.8	233.4	228.9	222.6
55°	245.9	245.9	268.6	250.5	250.1	245.9	243.5	243.2	243.2	239.3	232.7
57.5°	254.7	255.0	278.3	259.9	258.1	253.3	250.1	250.5	251.9	249.1	241.8
60°	261.6	262.3	285.3	267.2	264.8	258.8	255.4	256.7	259.2	257.1	249.8
62.5°	266.2	267.5	289.1	272.4	268.9	262.3	258.8	260.9	263.7	262.7	255.7
64°	267.2	268.9	290.2	274.2	270.3	263.4	259.9	262.3	265.8	264.8	257.8
65°	267.2	269.3	289.1	274.5	271.0	263.4	259.9	262.7	266.5	265.5	258.1
67.5°	265.1	267.5	285.3	272.8	269.3	262.0	258.5	261.3	265.1	264.1	257.1
70°	258.8	262.0	277.0	267.5	264.4	257.4	254.3	256.7	260.6	259.9	252.6
72.5°	249.1	252.6	266.2	258.8	256.7	250.8	247.3	249.8	253.3	251.9	244.2
75°	236.2	240.4	252.6	247.7	247.0	241.8	239.0	241.1	243.2	240.0	231.7
77.5°	222.6	227.1	237.6	234.8	235.1	231.3	229.2	229.9	231.0	225.0	216.3
80°	208.3	211.5	221.6	219.8	221.9	219.5	217.4	217.4	216.0	210.1	199.6
82.5°	193.0	196.1	204.8	205.2	209.0	207.3	205.9	204.5	201.7	194.0	182.9
85°	177.0	179.8	188.5	189.5	194.0	194.4	193.3	191.6	187.4	178.7	166.5
87.5°	162.3	164.8	173.1	174.2	180.5	182.5	181.5	180.1	174.2	164.1	152.2
90°	149.4	151.2	159.9	160.6	167.6	171.0	170.7	167.6	161.6	150.8	139.0
92.5°	138.0	138.7	147.4	148.1	155.7	159.9	160.2	157.1	150.5	138.7	127.9
95°	127.2	128.2	136.6	136.6	145.3	150.1	150.5	147.4	139.7	128.5	118.1
97.5°	118.1	118.4	126.8	126.8	135.5	140.4	141.4	138.0	130.6	119.1	109.0
100°	109.4	109.4	117.4	117.4	126.1	131.7	132.7	128.9	121.2	109.7	100.7
102.5°	101.7	101.4	109.0	108.7	117.7	123.3	124.4	120.9	113.2	101.7	93.4
105°	94.8	94.4	101.0	100.7	109.7	115.7	117.1	113.2	104.9	93.7	87.1
107.5°	88.5	88.1	93.4	93.0	102.4	108.0	109.4	105.6	97.2	86.4	80.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	82.6	81.9	86.7	86.0	95.1	100.7	102.1	98.2	90.2	79.8	75.9
112.5°	77.0	76.6	80.1	79.1	88.5	94.1	95.1	91.6	83.3	73.5	70.7
115°	72.1	71.8	74.6	73.2	81.2	86.7	88.5	84.7	76.3	67.9	66.2
117.5°	67.2	67.2	69.0	67.6	74.6	80.5	81.5	77.7	70.0	62.7	62.0
120°	62.7	62.4	64.1	62.0	67.9	73.5	74.6	70.7	63.8	58.2	58.2
122.5°	58.2	58.2	59.2	57.1	61.0	66.9	67.9	64.4	57.5	53.6	54.0
125°	54.0	53.6	54.7	51.9	54.3	59.6	61.0	57.8	51.9	49.5	50.2
127.5°	49.5	49.1	50.5	47.4	48.4	52.6	54.0	51.2	46.7	45.6	46.7
130°	44.9	44.6	46.0	42.8	42.2	45.3	47.0	44.6	41.5	41.8	43.2
132.5°	40.4	40.1	41.8	38.3	36.6	38.3	39.7	38.3	36.6	37.6	39.4
135°	35.9	35.9	37.6	33.8	31.4	31.7	32.4	32.0	31.7	34.1	35.5
137.5°	31.7	31.4	33.1	29.6	26.5	25.4	25.8	25.8	26.8	30.0	31.7
140°	26.8	26.8	28.2	25.1	21.6	19.5	19.5	19.9	22.3	25.8	27.5
142.5°	22.3	22.3	23.7	20.6	17.4	14.3	13.9	15.0	18.1	21.3	23.0
145°	18.1	17.8	18.8	16.4	13.2	9.8	8.7	10.5	13.9	17.1	18.8
147.5°	13.6	13.6	14.6	12.2	9.8	6.3	5.2	6.6	10.1	12.9	14.3
150°	9.8	9.4	10.5	8.4	6.3	3.8	2.1	3.8	6.6	8.7	10.1
152.5°	6.3	5.9	6.6	5.2	3.8	1.7	0.7	2.1	3.8	5.6	6.6
155°	3.1	3.1	3.5	2.8	1.7	0.7	0.3	0.7	1.7	2.8	3.5
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°	82.2
2.5°	82.9
5°	86.7
7.5°	89.2
10°	90.6
12.5°	95.1
15°	98.2
17.5°	103.5
20°	110.1
22.5°	116.4
25°	123.0
27.5°	131.0
30°	138.7
32.5°	146.0
35°	154.7
37.5°	163.4
40°	173.1
42.5°	181.8
45°	192.0
47.5°	202.4
50°	212.5
52.5°	223.0
55°	233.1
57.5°	242.1
60°	249.4
62.5°	255.0
64°	257.1
65°	257.1
67.5°	255.0
70°	250.1
72.5°	241.1
75°	227.8
77.5°	212.5
80°	195.4
82.5°	179.8
85°	163.4
87.5°	149.4
90°	136.9
92.5°	126.1
95°	117.1
97.5°	108.3
100°	100.3
102.5°	93.4
105°	87.4
107.5°	81.2



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	75.9
112.5°	70.7
115°	66.5
117.5°	62.4
120°	58.2
122.5°	54.3
125°	50.5
127.5°	47.0
130°	43.5
132.5°	39.7
135°	35.9
137.5°	31.7
140°	27.5
142.5°	23.0
145°	18.8
147.5°	14.3
150°	10.1
152.5°	6.6
155°	3.5
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)