

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: P182377

Luminaire Tested: **LXT-F02-LED-E-U-SYM-BK-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P182377  
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: LXT-F02-LED-E-U-SYM-BK-7050  
Description: LEXINGTON LED OUTDOOR LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC  
Light Source: (14) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4183.3 lumens  
Efficiency: N/A  
Efficacy: 76.1 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 - G3

Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

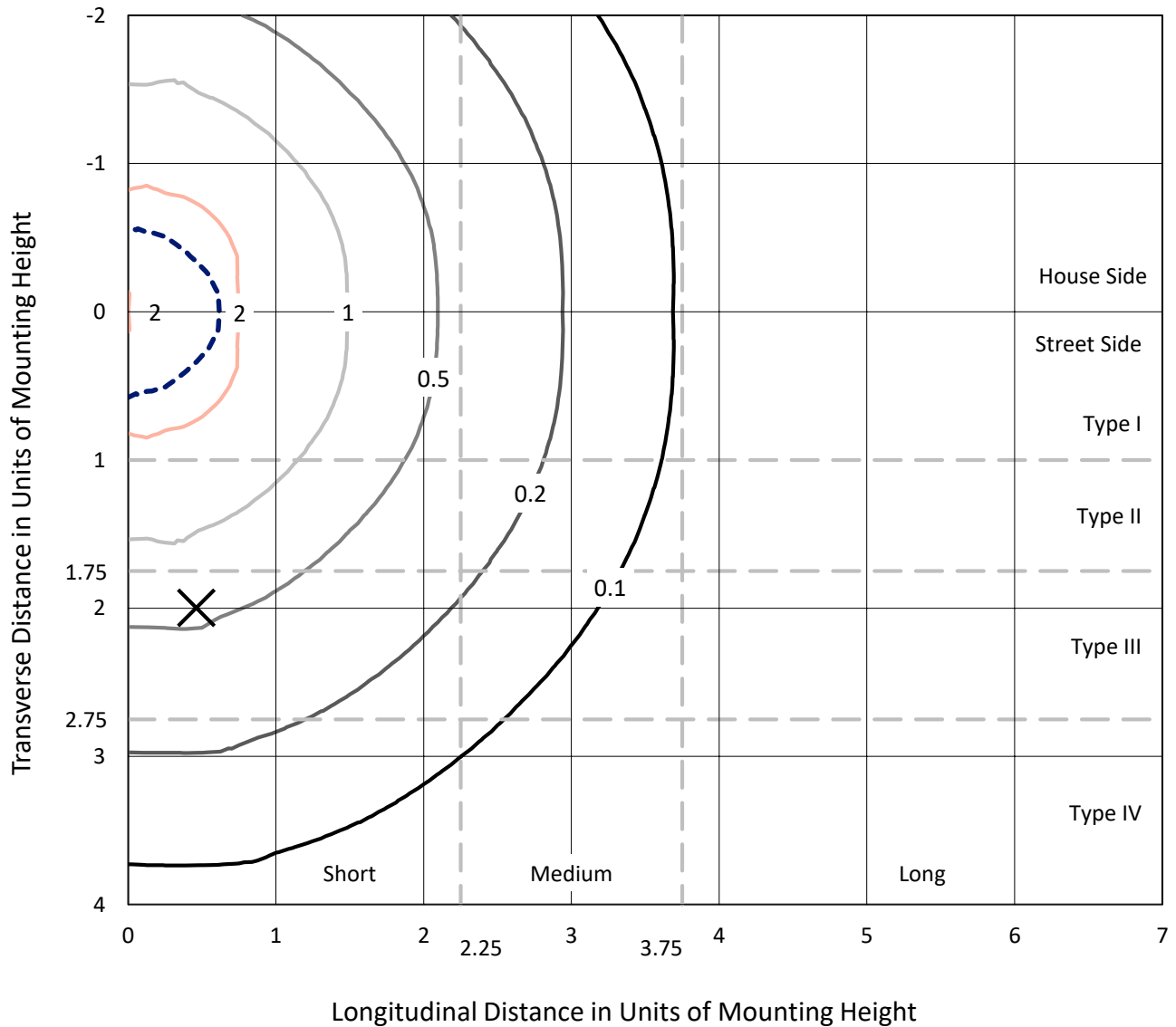


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### Iso-Footcandle Lines of Horizontal Illumination

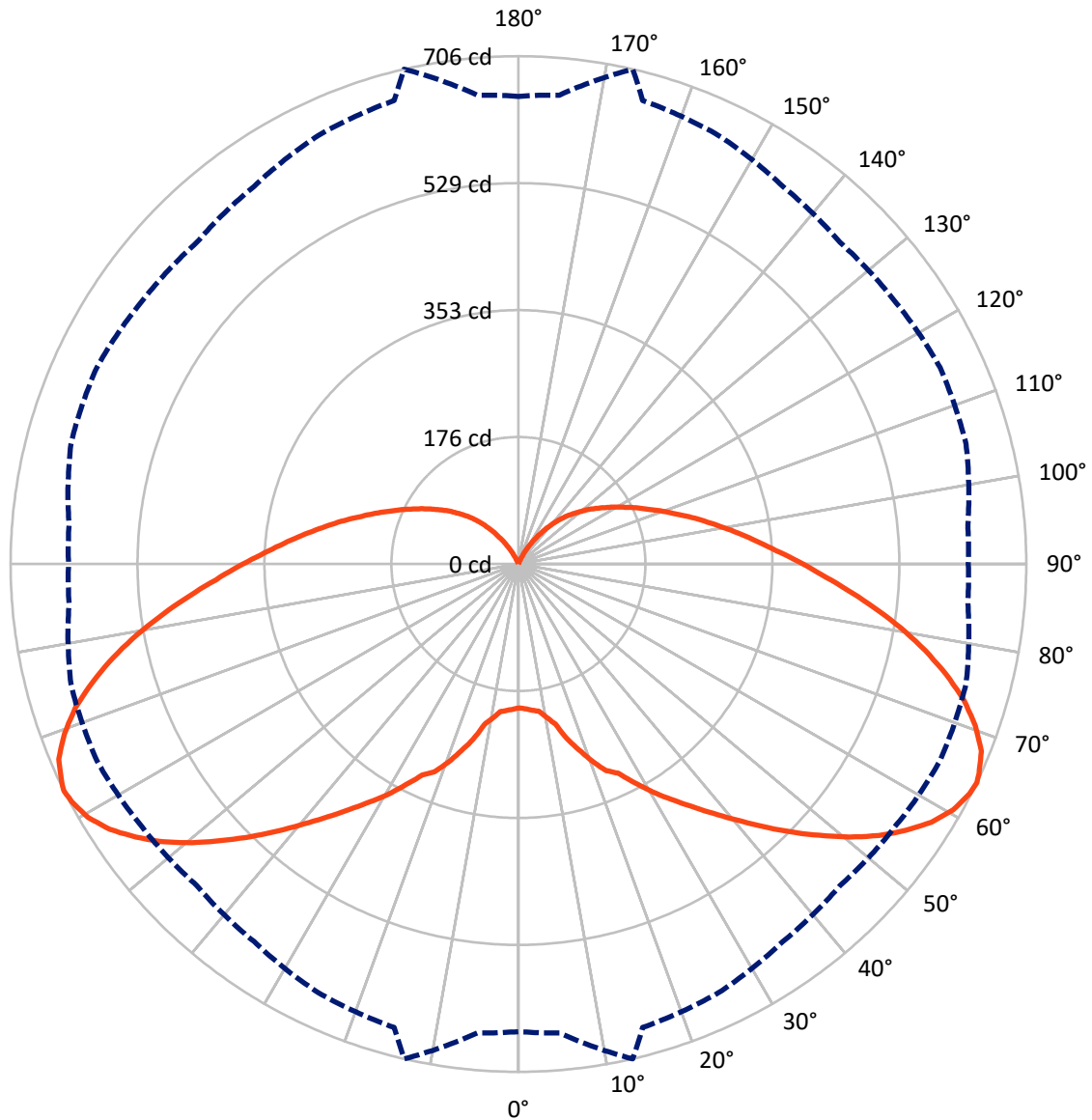
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 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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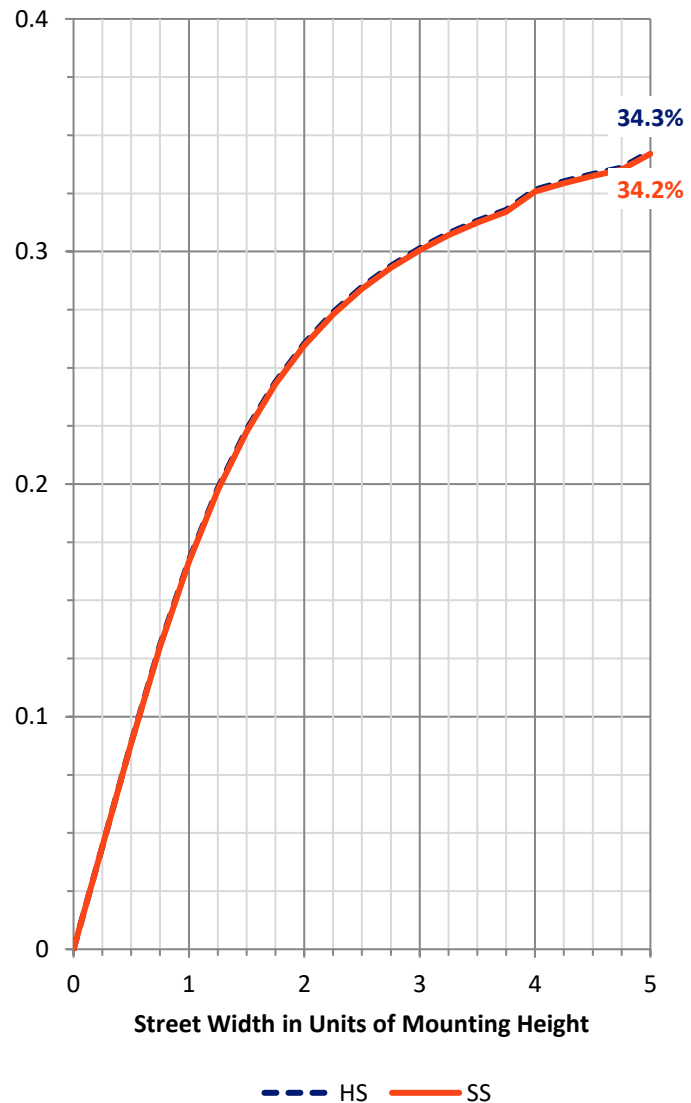
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1574.5	517.1	2091.6
	% Fixture	37.6	12.4	50.0
<b>Street Side</b>	Lumens	1574.5	517.1	2091.6
	% Fixture	37.6	12.4	50.0
<b>Total</b>	Lumens	3149.1	1034.2	4183.3
	% Fixture	75.3	24.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.2	0.5
10°-20°	69.4	1.7
20°-30°	143.4	3.4
30°-40°	249.0	6.0
40°-50°	384.9	9.2
50°-60°	533.2	12.7
60°-70°	637.2	15.2
70°-80°	616.7	14.7
80°-90°	495.0	11.8
90°-100°	368.6	8.8
100°-110°	268.9	6.4
110°-120°	187.9	4.5
120°-130°	119.8	2.9
130°-140°	63.5	1.5
140°-150°	22.6	0.5
150°-160°	2.9	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3149.1	75.3
0°-180°	4183.3	100.0



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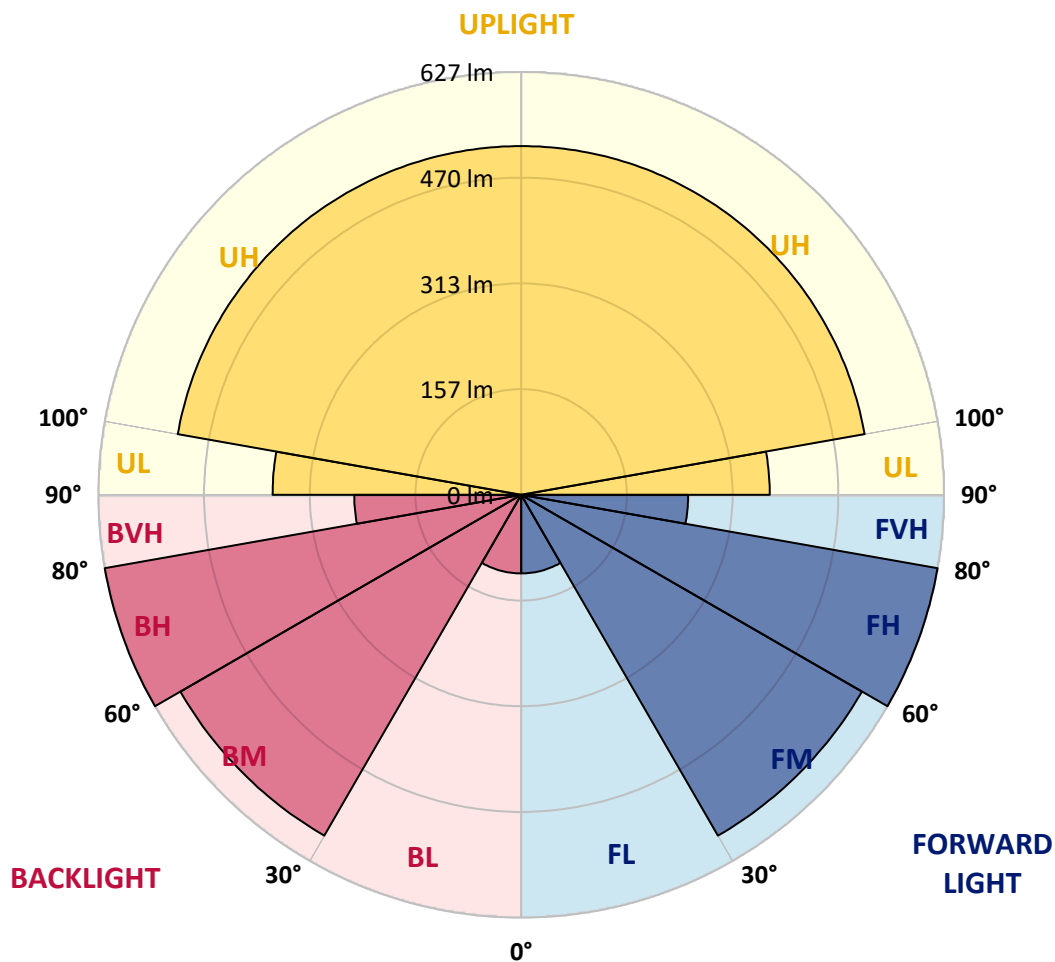
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.5	2.8			
FM (30°-60°)	583.5	13.9			
FH (60°-80°)	627.0	15.0			G0/660
FVH (80°-90°)	247.5	5.9			G3/500
BL (0°-30°)	116.5	2.8	B1/500		
BM (30°-60°)	583.5	13.9	B1/1000		
BH (60°-80°)	627.0	15.0	B2/1000		G0/660
BVH (80°-90°)	247.5	5.9			G3/500
UL (90°-100°)	368.6	8.8		U3/500	
UH (100°-180°)	517.1	12.4		U4/1000	

**BUG Rating: B2-U4-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
0°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	199.9	199.9	201.6	199.9	200.8	201.6	200.8	200.8	201.6	201.6	201.6
5°	202.5	201.6	204.1	201.6	203.3	206.7	207.5	211.8	212.6	213.5	210.9
7.5°	204.1	204.1	206.7	203.3	208.4	214.3	216.0	214.3	218.5	221.9	216.9
10°	210.9	210.1	216.9	212.6	214.3	218.5	222.8	227.0	225.3	230.4	224.5
12.5°	219.4	220.2	227.9	221.9	228.7	230.4	229.6	231.3	229.6	232.9	232.1
15°	237.2	236.3	251.6	243.1	242.3	241.4	238.9	236.3	238.0	239.7	238.0
17.5°	253.3	254.1	271.1	260.1	265.1	260.1	249.0	245.7	247.3	249.9	252.4
20°	271.9	271.1	292.2	279.5	285.5	276.1	266.8	260.9	263.4	266.0	267.7
22.5°	288.9	289.7	311.7	295.6	297.3	293.9	286.3	282.9	279.5	281.2	282.1
25°	308.3	308.3	321.9	306.6	310.0	310.0	310.0	304.9	296.5	297.3	299.0
27.5°	329.5	329.5	343.9	327.8	328.7	332.9	332.1	327.8	317.7	316.0	318.5
30°	349.0	349.0	367.6	349.0	353.2	356.6	354.9	349.8	341.4	335.4	336.3
32.5°	369.3	369.3	389.7	370.2	376.1	380.3	379.5	375.3	364.2	354.1	354.1
35°	391.3	391.3	413.4	392.2	401.5	405.7	404.9	399.8	388.8	374.4	375.3
37.5°	415.9	415.1	439.6	416.8	426.1	429.5	428.6	423.5	414.2	397.3	397.3
40°	439.6	439.6	467.6	443.0	452.3	455.7	454.0	449.0	439.6	423.5	419.3
42.5°	465.9	465.0	498.9	471.0	478.6	481.1	477.8	473.5	465.9	450.6	443.9
45°	492.2	492.2	531.1	499.8	506.6	505.7	504.9	499.8	492.2	476.9	467.6
47.5°	521.0	520.1	563.3	528.6	534.5	531.1	528.6	524.3	517.6	503.2	491.3
50°	546.4	546.4	596.3	556.5	559.9	556.5	551.4	548.1	543.0	531.1	516.7
52.5°	574.3	573.5	626.8	583.6	585.3	578.6	571.8	570.9	567.5	556.5	541.3
55°	598.0	598.0	653.1	609.0	608.2	598.0	592.1	591.3	591.3	581.9	565.8
57.5°	619.2	620.1	676.8	631.9	627.7	615.8	608.2	609.0	612.4	605.7	587.9
60°	636.2	637.8	693.8	649.7	643.8	629.4	620.9	624.3	630.2	625.1	607.4
62.5°	647.2	650.6	703.1	662.4	653.9	637.8	629.4	634.5	641.2	638.7	621.8
64°	649.7	653.9	705.6	666.6	657.3	640.4	631.9	637.8	646.3	643.8	626.8
65°	649.7	654.8	703.1	667.5	659.0	640.4	631.9	638.7	648.0	645.5	627.7
67.5°	644.6	650.6	693.8	663.3	654.8	637.0	628.5	635.3	644.6	642.1	625.1
70°	629.4	637.0	673.4	650.6	642.9	626.0	618.4	624.3	633.6	631.9	614.1
72.5°	605.7	614.1	647.2	629.4	624.3	609.9	601.4	607.4	615.8	612.4	593.8
75°	574.3	584.5	614.1	602.3	600.6	587.9	581.1	586.2	591.3	583.6	563.3
77.5°	541.3	552.3	577.7	570.9	571.8	562.5	557.4	559.1	561.6	547.2	526.0
80°	506.6	514.2	538.7	534.5	539.6	533.7	528.6	528.6	525.2	510.8	485.4
82.5°	469.3	476.9	498.1	498.9	508.2	504.0	500.6	497.2	490.5	471.8	444.7
85°	430.3	437.1	458.3	460.8	471.8	472.7	470.1	465.9	455.7	434.5	404.9
87.5°	394.7	400.7	421.0	423.5	438.8	443.9	441.3	437.9	423.5	399.0	370.2
90°	363.4	367.6	388.8	390.5	407.4	415.9	415.1	407.4	393.0	366.8	338.0
92.5°	335.4	337.1	358.3	360.0	378.6	388.8	389.7	382.0	365.9	337.1	310.9
95°	309.2	311.7	332.1	332.1	353.2	365.1	365.9	358.3	339.7	312.6	287.2
97.5°	287.2	288.0	308.3	308.3	329.5	341.4	343.9	335.4	317.7	289.7	265.1
100°	266.0	266.0	285.5	285.5	306.6	320.2	322.7	313.4	294.8	266.8	244.8
102.5°	247.3	246.5	265.1	264.3	286.3	299.9	302.4	293.9	275.3	247.3	227.0
105°	230.4	229.6	245.7	244.8	266.8	281.2	284.6	275.3	255.0	227.9	211.8
107.5°	215.2	214.3	227.0	226.2	249.0	262.6	266.0	256.7	236.3	210.1	196.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	200.8	199.1	210.9	209.2	231.3	244.8	248.2	238.9	219.4	194.0	184.7
112.5°	187.2	186.4	194.8	192.3	215.2	228.7	231.3	222.8	202.5	178.7	172.0
115°	175.3	174.5	181.3	177.9	197.4	210.9	215.2	205.8	185.5	165.2	160.9
117.5°	163.5	163.5	167.7	164.3	181.3	195.7	198.2	188.9	170.3	152.5	150.8
120°	152.5	151.6	155.9	150.8	165.2	178.7	181.3	172.0	155.0	141.5	141.5
122.5°	141.5	141.5	144.0	138.9	148.2	162.6	165.2	156.7	139.8	130.4	131.3
125°	131.3	130.4	133.0	126.2	132.1	144.8	148.2	140.6	126.2	120.3	122.0
127.5°	120.3	119.4	122.8	115.2	117.7	127.9	131.3	124.5	113.5	111.0	113.5
130°	109.3	108.4	111.8	104.2	102.5	110.1	114.4	108.4	100.8	101.6	105.0
132.5°	98.3	97.4	101.6	93.2	88.9	93.2	96.6	93.2	88.9	91.5	95.7
135°	87.2	87.2	91.5	82.2	76.2	77.1	78.8	77.9	77.1	83.0	86.4
137.5°	77.1	76.2	80.5	72.0	64.4	61.8	62.7	62.7	65.2	72.8	77.1
140°	65.2	65.2	68.6	61.0	52.5	47.4	47.4	48.3	54.2	62.7	66.9
142.5°	54.2	54.2	57.6	50.0	42.4	34.7	33.9	36.4	44.0	51.7	55.9
145°	44.0	43.2	45.7	39.8	32.2	23.7	21.2	25.4	33.9	41.5	45.7
147.5°	33.0	33.0	35.6	29.6	23.7	15.2	12.7	16.1	24.6	31.3	34.7
150°	23.7	22.9	25.4	20.3	15.2	9.3	5.1	9.3	16.1	21.2	24.6
152.5°	15.2	14.4	16.1	12.7	9.3	4.2	1.7	5.1	9.3	13.6	16.1
155°	7.6	7.6	8.5	6.8	4.2	1.7	0.8	1.7	4.2	6.8	8.5
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°	199.9
2.5°	201.6
5°	210.9
7.5°	216.9
10°	220.2
12.5°	231.3
15°	238.9
17.5°	251.6
20°	267.7
22.5°	282.9
25°	299.0
27.5°	318.5
30°	337.1
32.5°	354.9
35°	376.1
37.5°	397.3
40°	421.0
42.5°	442.2
45°	466.7
47.5°	492.2
50°	516.7
52.5°	542.1
55°	566.7
57.5°	588.7
60°	606.5
62.5°	620.1
64°	625.1
65°	625.1
67.5°	620.1
70°	608.2
72.5°	586.2
75°	554.0
77.5°	516.7
80°	475.2
82.5°	437.1
85°	397.3
87.5°	363.4
90°	332.9
92.5°	306.6
95°	284.6
97.5°	263.4
100°	244.0
102.5°	227.0
105°	212.6
107.5°	197.4



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	184.7
112.5°	172.0
115°	161.8
117.5°	151.6
120°	141.5
122.5°	132.1
125°	122.8
127.5°	114.4
130°	105.9
132.5°	96.6
135°	87.2
137.5°	77.1
140°	66.9
142.5°	55.9
145°	45.7
147.5°	34.7
150°	24.6
152.5°	16.1
155°	8.5
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)