

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: P182372

Luminaire Tested: **LXT-E02-LED-E-U-SYM-BK-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P182372  
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-E02-LED-E-U-SYM-BK-7050  
Description: LEXINGTON LED OUTDOOR LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5067.4 lumens  
Efficiency: N/A  
Efficacy: 97.3 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): 52.1  
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

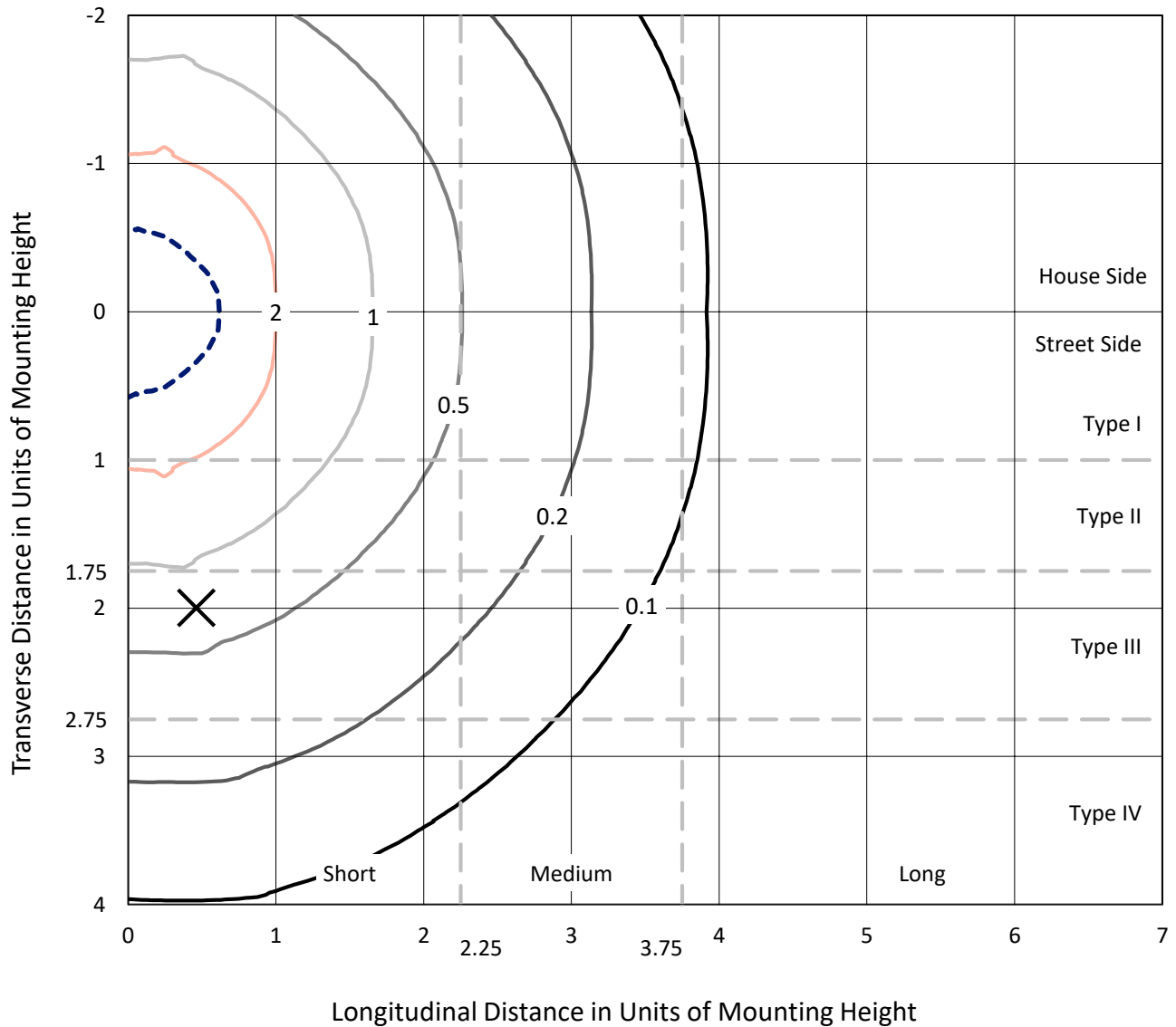


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### Iso-Footcandle Lines of Horizontal Illumination

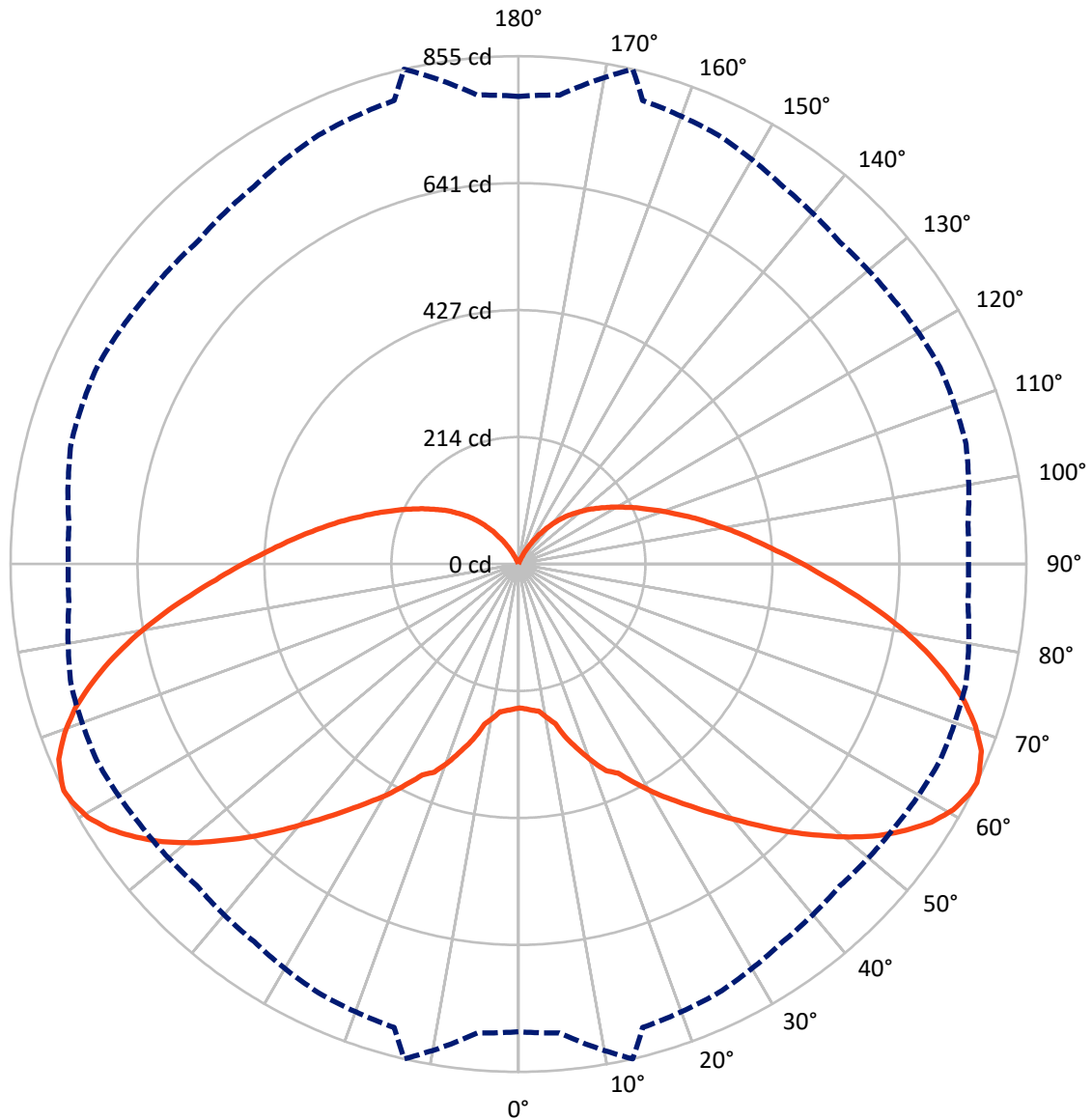
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 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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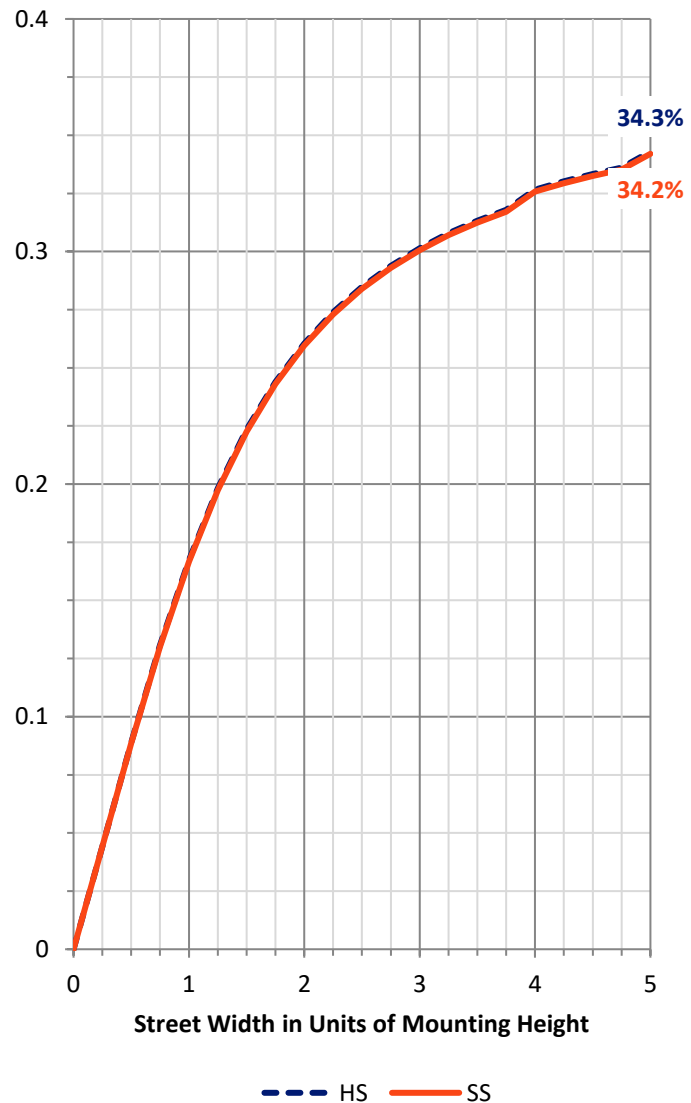
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1907.3	626.4	2533.7
	% Fixture	37.6	12.4	50.0
<b>Street Side</b>	Lumens	1907.3	626.4	2533.7
	% Fixture	37.6	12.4	50.0
<b>Total</b>	Lumens	3814.7	1252.8	5067.4
	% Fixture	75.3	24.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.5	0.5
10°-20°	84.1	1.7
20°-30°	173.8	3.4
30°-40°	301.6	6.0
40°-50°	466.3	9.2
50°-60°	645.8	12.7
60°-70°	771.9	15.2
70°-80°	747.1	14.7
80°-90°	599.6	11.8
90°-100°	446.5	8.8
100°-110°	325.8	6.4
110°-120°	227.6	4.5
120°-130°	145.1	2.9
130°-140°	76.9	1.5
140°-150°	27.4	0.5
150°-160°	3.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3814.7	75.3
0°-180°	5067.4	100.0



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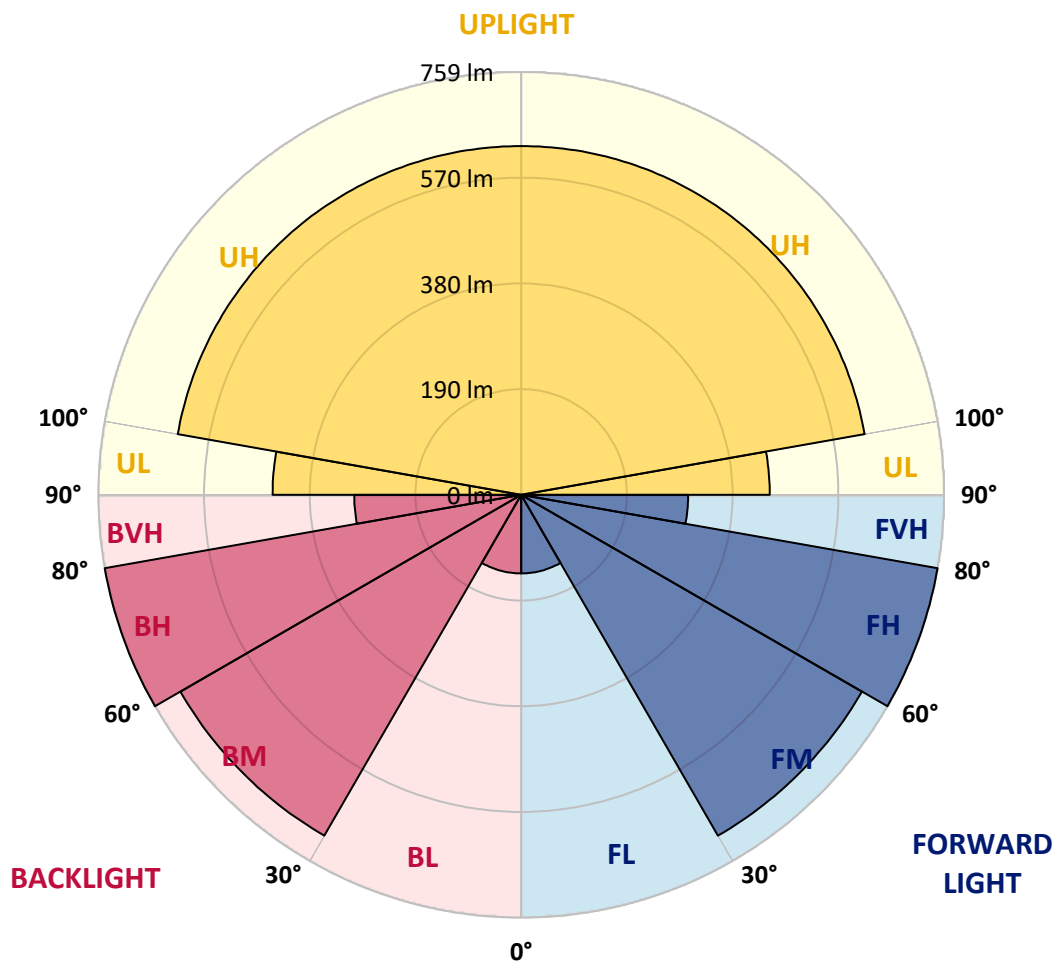
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.2	2.8			
FM (30°-60°)	706.8	13.9			
FH (60°-80°)	759.5	15.0			G1/1800
FVH (80°-90°)	299.8	5.9			G3/500
BL (0°-30°)	141.2	2.8	B1/500		
BM (30°-60°)	706.8	13.9	B1/1000		
BH (60°-80°)	759.5	15.0	B2/1000		G1/1800
BVH (80°-90°)	299.8	5.9			G3/500
UL (90°-100°)	446.5	8.8		U3/500	
UH (100°-180°)	626.4	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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2.5°	242.2	242.2	244.2	242.2	243.2	244.2	243.2	243.2	244.2	244.2	244.2
5°	245.2	244.2	247.3	244.2	246.3	250.4	251.4	256.5	257.6	258.6	255.5
7.5°	247.3	247.3	250.4	246.3	252.4	259.6	261.7	259.6	264.7	268.8	262.7
10°	255.5	254.5	262.7	257.6	259.6	264.7	269.9	275.0	272.9	279.1	271.9
12.5°	265.8	266.8	276.0	268.8	277.0	279.1	278.1	280.1	278.1	282.2	281.2
15°	287.3	286.3	304.8	294.5	293.5	292.4	289.4	286.3	288.3	290.4	288.3
17.5°	306.8	307.8	328.4	315.0	321.2	315.0	301.7	297.6	299.6	302.7	305.8
20°	329.4	328.4	354.0	338.6	345.8	334.5	323.2	316.0	319.1	322.2	324.2
22.5°	349.9	350.9	377.6	358.1	360.2	356.1	346.8	342.7	338.6	340.7	341.7
25°	373.5	373.5	389.9	371.5	375.6	375.6	375.6	369.4	359.1	360.2	362.2
27.5°	399.2	399.2	416.6	397.1	398.1	403.3	402.2	397.1	384.8	382.7	385.8
30°	422.8	422.8	445.3	422.8	427.9	432.0	429.9	423.8	413.5	406.3	407.4
32.5°	447.4	447.4	472.0	448.4	455.6	460.7	459.7	454.6	441.2	428.9	428.9
35°	474.1	474.1	500.7	475.1	486.4	491.5	490.5	484.3	471.0	453.5	454.6
37.5°	503.8	502.8	532.5	504.8	516.1	520.2	519.2	513.1	501.8	481.2	481.2
40°	532.5	532.5	566.4	536.7	547.9	552.0	550.0	543.8	532.5	513.1	507.9
42.5°	564.4	563.3	604.4	570.5	579.7	582.8	578.7	573.6	564.4	545.9	537.7
45°	596.2	596.2	643.4	605.4	613.6	612.6	611.6	605.4	596.2	577.7	566.4
47.5°	631.1	630.0	682.4	640.3	647.5	643.4	640.3	635.2	627.0	609.5	595.1
50°	661.8	661.8	722.4	674.2	678.3	674.2	668.0	663.9	657.7	643.4	625.9
52.5°	695.7	694.7	759.3	707.0	709.0	700.8	692.6	691.6	687.5	674.2	655.7
55°	724.4	724.4	791.1	737.8	736.7	724.4	717.2	716.2	716.2	704.9	685.4
57.5°	750.1	751.1	819.9	765.5	760.3	746.0	736.7	737.8	741.9	733.7	712.1
60°	770.6	772.7	840.4	787.0	779.8	762.4	752.1	756.2	763.4	757.3	735.7
62.5°	783.9	788.0	851.7	802.4	792.2	772.7	762.4	768.6	776.8	773.7	753.2
64°	787.0	792.2	854.7	807.5	796.3	775.7	765.5	772.7	782.9	779.8	759.3
65°	787.0	793.2	851.7	808.6	798.3	775.7	765.5	773.7	785.0	781.9	760.3
67.5°	780.9	788.0	840.4	803.4	793.2	771.6	761.4	769.6	780.9	777.8	757.3
70°	762.4	771.6	815.8	788.0	778.8	758.3	749.1	756.2	767.5	765.5	743.9
72.5°	733.7	743.9	783.9	762.4	756.2	738.8	728.5	735.7	746.0	741.9	719.3
75°	695.7	708.0	743.9	729.6	727.5	712.1	703.9	710.1	716.2	707.0	682.4
77.5°	655.7	669.0	699.8	691.6	692.6	681.3	675.2	677.2	680.3	662.9	637.2
80°	613.6	622.8	652.6	647.5	653.6	646.4	640.3	640.3	636.2	618.7	588.0
82.5°	568.5	577.7	603.4	604.4	615.7	610.5	606.4	602.3	594.1	571.5	538.7
85°	521.3	529.5	555.1	558.2	571.5	572.6	569.5	564.4	552.0	526.4	490.5
87.5°	478.2	485.3	510.0	513.1	531.5	537.7	534.6	530.5	513.1	483.3	448.4
90°	440.2	445.3	471.0	473.0	493.6	503.8	502.8	493.6	476.1	444.3	409.4
92.5°	406.3	408.4	434.0	436.1	458.7	471.0	472.0	462.8	443.3	408.4	376.6
95°	374.5	377.6	402.2	402.2	427.9	442.3	443.3	434.0	411.5	378.6	347.8
97.5°	347.8	348.9	373.5	373.5	399.2	413.5	416.6	406.3	384.8	350.9	321.2
100°	322.2	322.2	345.8	345.8	371.5	387.9	390.9	379.7	357.1	323.2	296.5
102.5°	299.6	298.6	321.2	320.1	346.8	363.2	366.3	356.1	333.5	299.6	275.0
105°	279.1	278.1	297.6	296.5	323.2	340.7	344.8	333.5	308.9	276.0	256.5
107.5°	260.6	259.6	275.0	274.0	301.7	318.1	322.2	310.9	286.3	254.5	238.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	243.2	241.1	255.5	253.4	280.1	296.5	300.6	289.4	265.8	235.0	223.7
112.5°	226.8	225.7	236.0	232.9	260.6	277.0	280.1	269.9	245.2	216.5	208.3
115°	212.4	211.4	219.6	215.5	239.1	255.5	260.6	249.3	224.7	200.1	195.0
117.5°	198.0	198.0	203.2	199.1	219.6	237.0	240.1	228.8	206.2	184.7	182.6
120°	184.7	183.7	188.8	182.6	200.1	216.5	219.6	208.3	187.8	171.4	171.4
122.5°	171.4	171.4	174.4	168.3	179.6	197.0	200.1	189.8	169.3	158.0	159.0
125°	159.0	158.0	161.1	152.9	160.1	175.5	179.6	170.3	152.9	145.7	147.8
127.5°	145.7	144.7	148.8	139.6	142.6	154.9	159.0	150.8	137.5	134.4	137.5
130°	132.4	131.3	135.4	126.2	124.2	133.4	138.5	131.3	122.1	123.1	127.2
132.5°	119.0	118.0	123.1	112.9	107.7	112.9	117.0	112.9	107.7	110.8	115.9
135°	105.7	105.7	110.8	99.5	92.3	93.4	95.4	94.4	93.4	100.6	104.7
137.5°	93.4	92.3	97.5	87.2	78.0	74.9	75.9	75.9	79.0	88.2	93.4
140°	79.0	79.0	83.1	73.9	63.6	57.5	57.5	58.5	65.7	75.9	81.1
142.5°	65.7	65.7	69.8	60.5	51.3	42.1	41.0	44.1	53.4	62.6	67.7
145°	53.4	52.3	55.4	48.2	39.0	28.7	25.7	30.8	41.0	50.3	55.4
147.5°	40.0	40.0	43.1	35.9	28.7	18.5	15.4	19.5	29.8	38.0	42.1
150°	28.7	27.7	30.8	24.6	18.5	11.3	6.2	11.3	19.5	25.7	29.8
152.5°	18.5	17.4	19.5	15.4	11.3	5.1	2.1	6.2	11.3	16.4	19.5
155°	9.2	9.2	10.3	8.2	5.1	2.1	1.0	2.1	5.1	8.2	10.3
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°	242.2
2.5°	244.2
5°	255.5
7.5°	262.7
10°	266.8
12.5°	280.1
15°	289.4
17.5°	304.8
20°	324.2
22.5°	342.7
25°	362.2
27.5°	385.8
30°	408.4
32.5°	429.9
35°	455.6
37.5°	481.2
40°	510.0
42.5°	535.6
45°	565.4
47.5°	596.2
50°	625.9
52.5°	656.7
55°	686.5
57.5°	713.1
60°	734.7
62.5°	751.1
64°	757.3
65°	757.3
67.5°	751.1
70°	736.7
72.5°	710.1
75°	671.1
77.5°	625.9
80°	575.6
82.5°	529.5
85°	481.2
87.5°	440.2
90°	403.3
92.5°	371.5
95°	344.8
97.5°	319.1
100°	295.5
102.5°	275.0
105°	257.6
107.5°	239.1



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	223.7
112.5°	208.3
115°	196.0
117.5°	183.7
120°	171.4
122.5°	160.1
125°	148.8
127.5°	138.5
130°	128.3
132.5°	117.0
135°	105.7
137.5°	93.4
140°	81.1
142.5°	67.7
145°	55.4
147.5°	42.1
150°	29.8
152.5°	19.5
155°	10.3
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)