

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: P694689

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694689  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-827-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2151 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U2 - G1

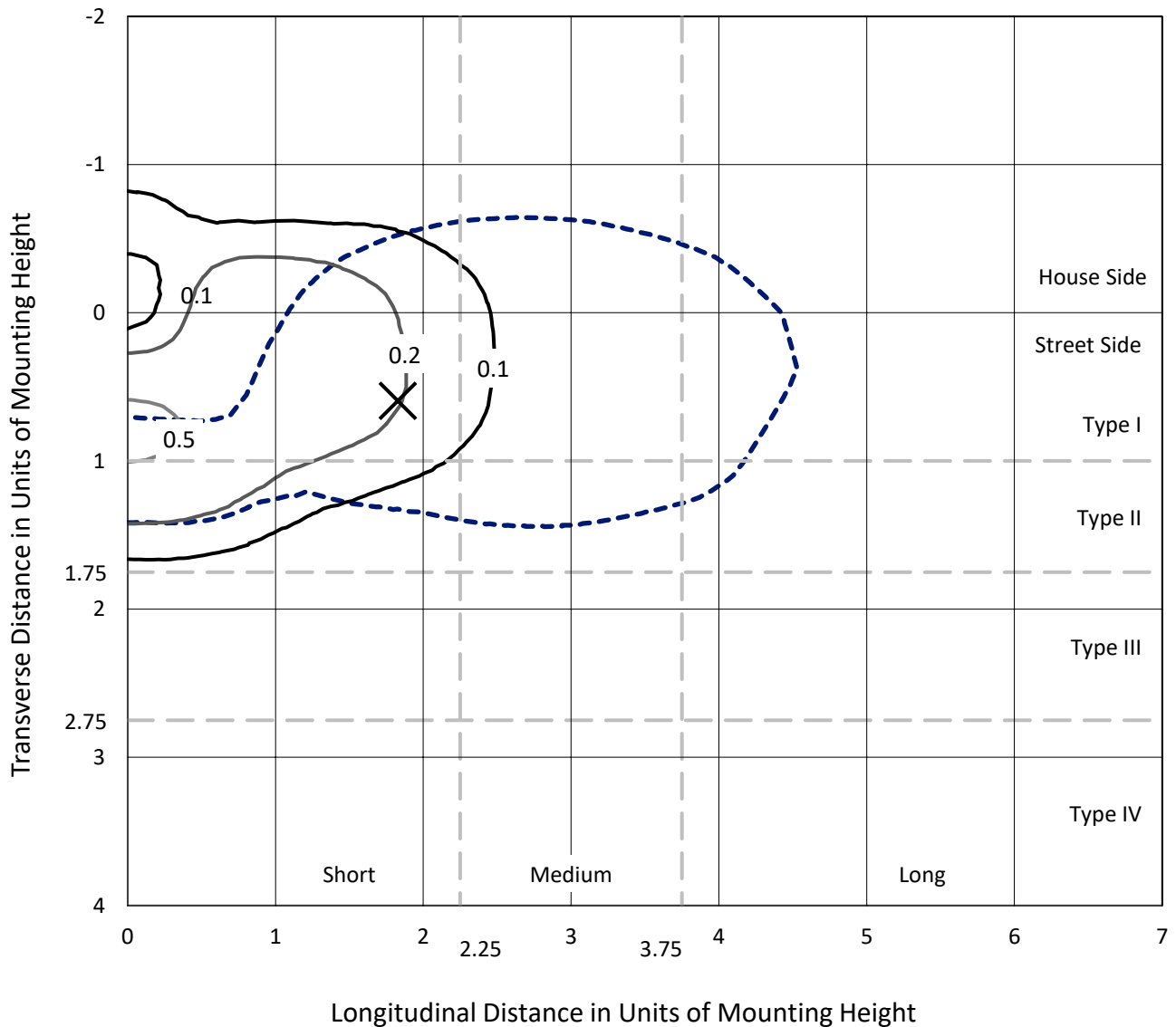
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

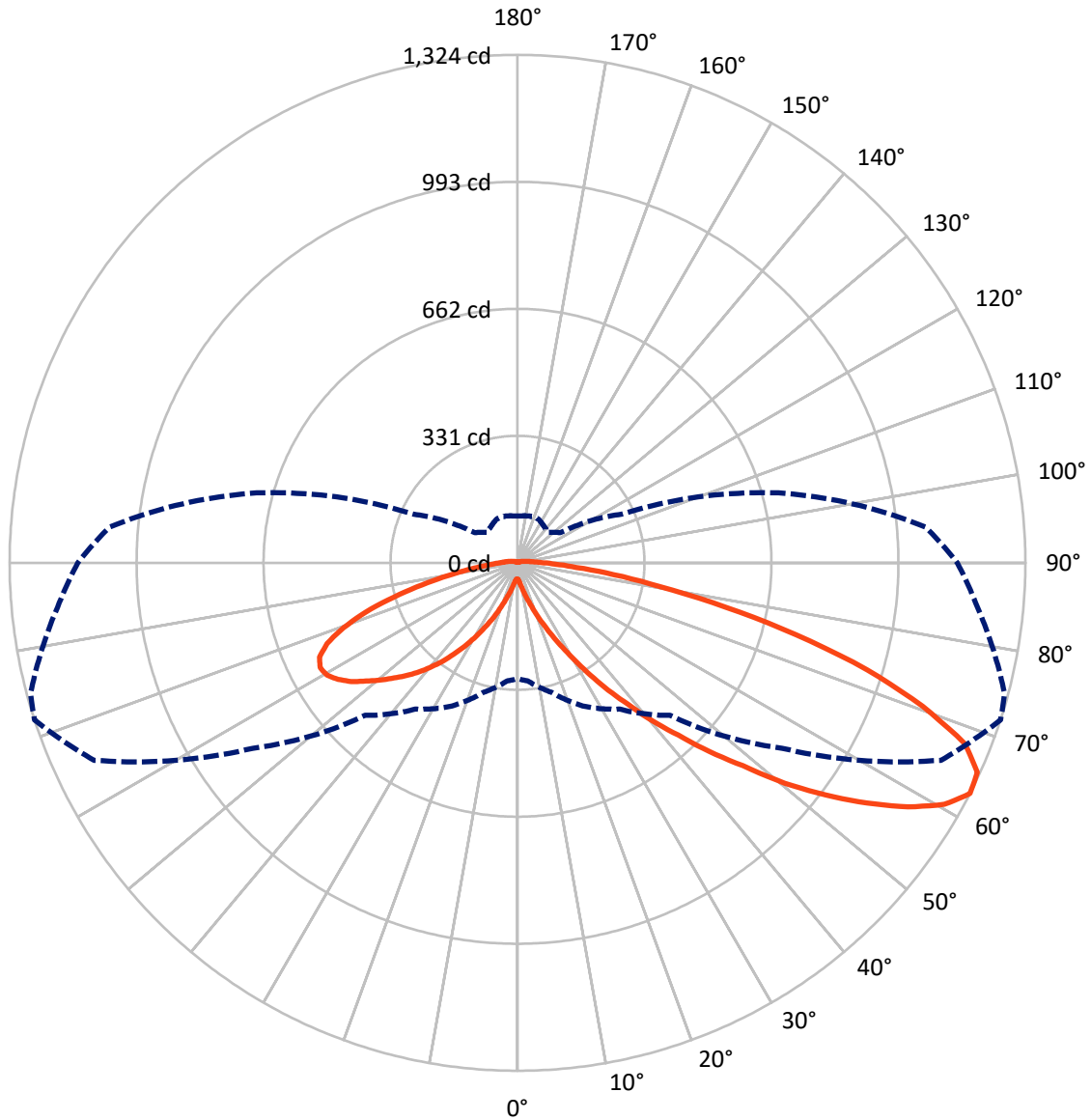
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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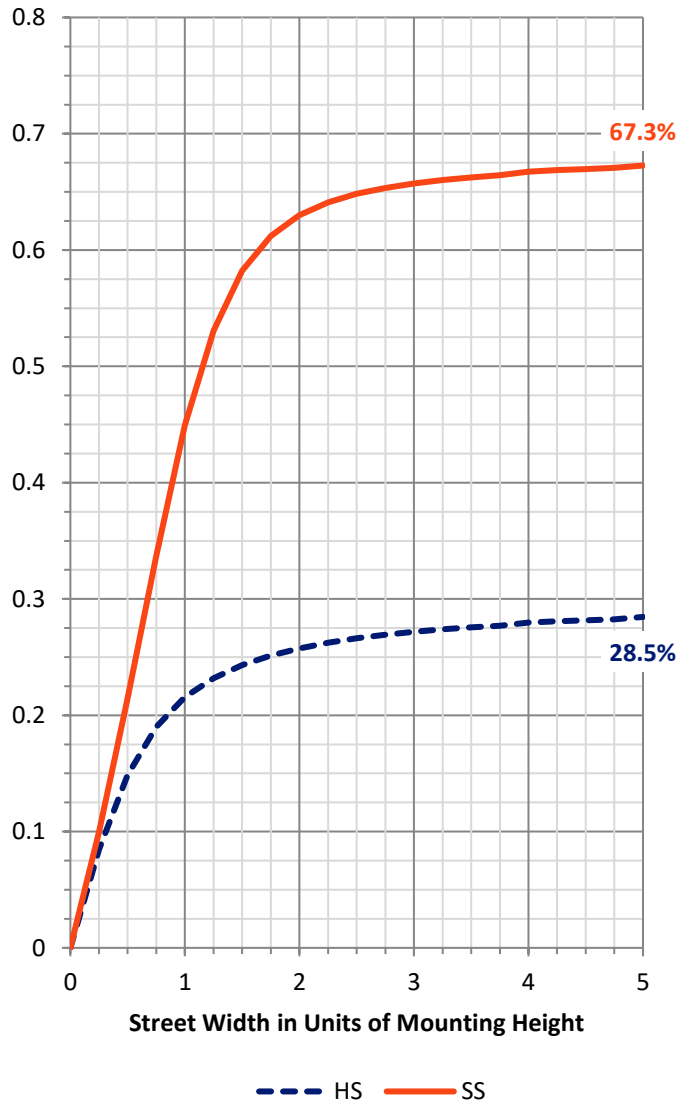
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	630.7	32.1	662.8
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	1462.2	26.0	1488.3
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	2092.9	58.1	2151.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.2
10°-20°	27.2	1.3
20°-30°	89.7	4.2
30°-40°	214.2	10.0
40°-50°	380.8	17.7
50°-60°	503.5	23.4
60°-70°	483.7	22.5
70°-80°	293.6	13.7
80°-90°	95.3	4.4
90°-100°	29.3	1.4
100°-110°	13.7	0.6
110°-120°	7.1	0.3
120°-130°	4.2	0.2
130°-140°	2.5	0.1
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2092.9	97.3
0°-180°	2151.0	100.0

**Coefficient of Utilization**

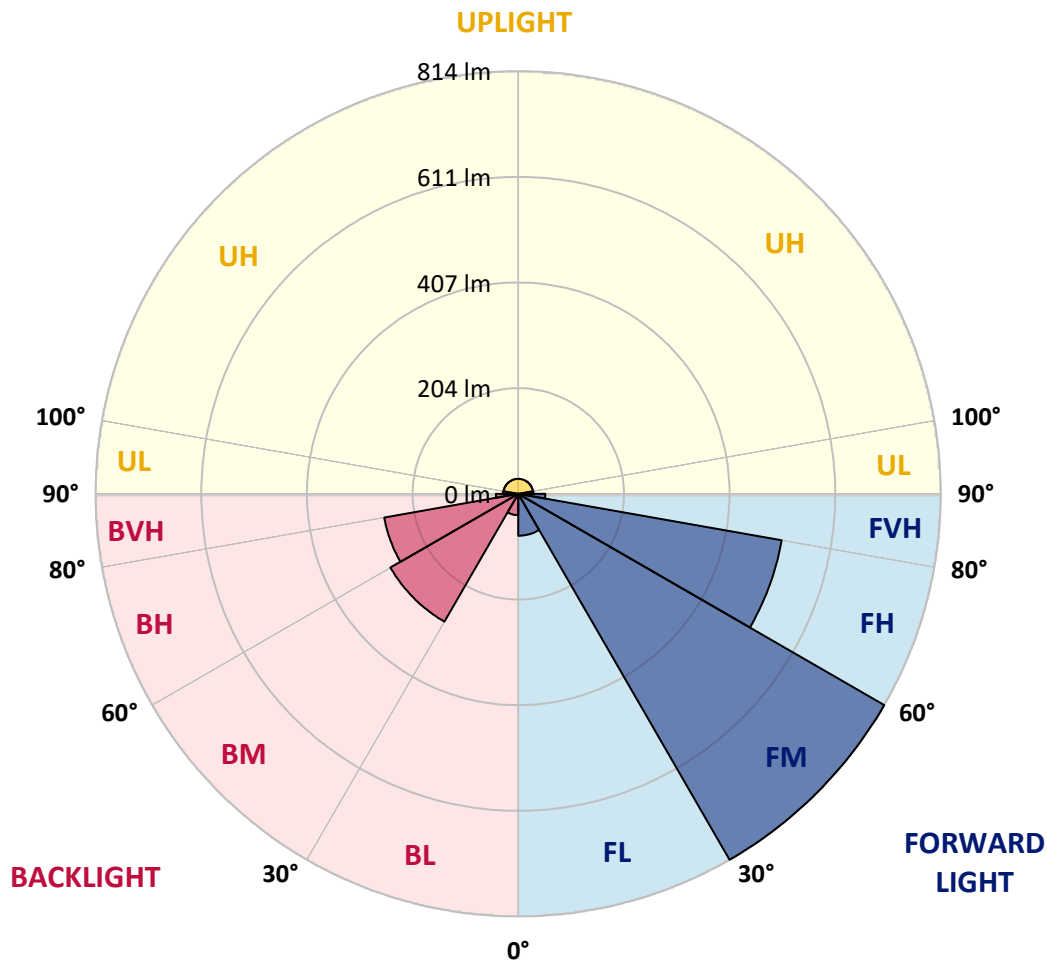


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.7	3.8			
FM (30°-60°)	814.1	37.8			
FH (60°-80°)	515.3	24.0			G0/660
FVH (80°-90°)	52.1	2.4			G1/100
BL (0°-30°)	41.1	1.9	B0/110		
BM (30°-60°)	284.3	13.2	B1/1000		
BH (60°-80°)	262.1	12.2	B1/500		G1/500
BVH (80°-90°)	43.1	2.0			G1/100
UL (90°-100°)	29.3	1.4		U2/50	
UH (100°-180°)	28.8	1.3		U2/50	

**BUG Rating: B1-U2-G1**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	47.5	48.2	47.5	48.2	47.5	46.7	46.7	45.2	45.2	44.5	43.7
5°	56.5	57.3	57.3	56.5	55.0	54.3	52.0	51.2	49.7	49.0	47.5
7.5°	69.3	68.6	69.3	67.1	66.3	64.8	61.8	59.5	57.3	56.5	54.3
10°	85.9	85.2	84.4	82.9	80.6	77.6	74.6	70.1	68.6	67.8	64.1
12.5°	105.5	107.0	104.8	102.5	98.7	95.0	89.7	84.4	82.1	81.4	75.4
15°	134.1	134.1	131.1	127.4	119.8	113.8	108.5	103.2	99.5	98.0	92.7
17.5°	170.3	168.1	164.3	155.2	148.5	138.7	132.6	124.3	120.6	119.8	113.0
20°	210.3	211.8	203.5	192.2	179.4	167.3	158.3	150.0	146.2	145.4	137.2
22.5°	263.0	263.0	251.7	236.6	215.5	199.0	188.4	180.1	174.8	171.8	166.5
25°	324.1	324.1	311.2	281.9	259.2	236.6	221.6	212.5	210.3	207.2	199.7
27.5°	397.2	399.4	375.3	345.9	304.5	277.3	259.2	254.0	249.4	251.0	235.9
30°	481.6	477.8	452.2	407.0	359.5	324.1	306.0	298.4	295.4	296.2	282.6
32.5°	562.2	556.2	532.8	480.8	417.5	377.6	357.2	351.2	348.9	345.9	329.3
35°	655.6	650.4	617.2	553.9	483.8	431.8	407.7	407.7	407.7	403.9	379.8
37.5°	746.1	736.3	700.1	630.8	549.4	490.6	470.3	473.3	468.8	463.5	436.3
40°	818.4	811.6	777.0	706.1	616.5	554.7	535.1	539.6	541.9	534.3	496.6
42.5°	869.7	866.7	838.8	772.5	676.7	618.0	610.4	615.7	614.2	605.9	564.5
45°	894.5	891.5	873.4	819.2	735.5	680.5	681.3	704.6	700.9	691.8	632.3
47.5°	881.0	884.7	878.0	844.1	772.5	733.3	754.4	795.8	790.5	782.3	709.2
50°	840.3	838.8	849.3	837.3	786.8	768.7	826.0	901.3	902.8	881.0	797.3
52.5°	755.1	758.9	789.0	795.8	774.7	782.3	886.3	1003.1	1006.1	979.7	881.7
55°	654.1	653.4	692.6	727.2	728.7	767.2	920.9	1090.5	1105.6	1086.0	972.2
57.5°	520.0	533.6	574.3	629.3	656.4	721.2	933.0	1168.9	1200.5	1173.4	1053.6
60°	402.4	413.0	462.0	521.5	565.2	651.1	902.8	1211.8	1278.9	1260.1	1141.0
62.5°	302.2	309.0	350.4	413.0	465.7	562.2	842.5	1217.8	1324.1	1314.3	1199.0
65°	222.3	226.1	266.0	320.3	372.3	455.9	734.0	1166.6	1317.3	1324.1	1238.9
67.5°	161.3	167.3	196.7	244.9	289.4	365.5	615.7	1056.6	1257.8	1277.4	1224.6
70°	127.4	130.4	150.7	188.4	220.8	278.8	496.6	905.1	1120.6	1165.1	1153.0
72.5°	102.5	104.0	119.8	148.5	169.6	211.8	375.3	731.8	953.3	1004.6	1032.5
75°	84.4	85.9	98.7	118.3	134.9	158.3	275.1	553.9	749.1	804.9	865.2
77.5°	67.1	70.1	79.9	95.0	107.0	120.6	192.9	400.2	553.9	597.6	667.7
80°	53.5	55.0	64.1	76.1	85.2	95.0	141.7	265.3	374.5	428.8	481.6
82.5°	40.7	42.2	49.0	58.8	66.3	73.1	101.0	174.8	251.7	278.8	308.2
85°	29.4	29.4	36.2	44.5	51.2	58.0	73.9	113.8	153.7	169.6	189.9
87.5°	19.6	20.3	24.9	32.4	39.9	45.2	54.3	74.6	98.0	103.2	116.8
90°	13.6	14.3	17.3	23.4	30.1	35.4	40.7	51.2	61.8	67.1	76.9
92.5°	9.8	10.6	13.6	17.3	23.4	28.6	32.4	36.9	43.7	47.5	52.8
95°	7.5	8.3	10.6	14.3	18.8	23.4	26.4	28.6	33.2	35.4	39.2
97.5°	6.8	6.8	9.0	12.1	15.8	19.6	21.9	23.4	26.4	27.9	30.9
100°	6.0	6.0	7.5	10.6	13.6	16.6	18.1	18.8	21.1	21.9	24.1
102.5°	5.3	5.3	6.8	9.0	12.1	14.3	15.8	15.8	17.3	17.3	18.8
105°	4.5	4.5	6.0	8.3	10.6	12.8	13.6	13.6	13.6	14.3	14.3
107.5°	4.5	4.5	5.3	7.5	9.0	11.3	12.1	11.3	11.3	11.3	11.3
110°	3.8	3.8	5.3	6.8	8.3	9.8	9.8	9.8	9.0	9.0	9.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	3.8	3.8	4.5	6.0	7.5	8.3	9.0	8.3	7.5	7.5	7.5
115°	3.8	3.8	4.5	5.3	6.8	7.5	7.5	6.8	6.0	6.0	6.0
117.5°	3.0	3.8	3.8	5.3	6.0	6.8	6.8	6.0	5.3	5.3	5.3
120°	3.0	3.0	3.8	4.5	5.3	6.0	6.0	5.3	4.5	4.5	5.3
122.5°	3.0	3.0	3.8	4.5	5.3	5.3	5.3	4.5	4.5	4.5	4.5
125°	3.0	3.0	3.0	3.8	4.5	5.3	4.5	4.5	3.8	3.8	4.5
127.5°	3.0	3.0	3.0	3.8	4.5	4.5	4.5	3.8	3.8	3.8	3.8
130°	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.0	3.0	3.8
132.5°	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.0	3.0	3.0	3.0
135°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.3	3.0	3.0
137.5°	3.0	3.0	2.3	3.0	3.0	3.0	3.0	2.3	2.3	2.3	3.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	2.3	2.3
145°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	43.7	43.0	42.2	41.4	41.4	40.7	40.7	39.9	39.9	39.9	39.9
5°	46.7	46.0	44.5	43.0	41.4	40.7	39.2	38.4	38.4	37.7	37.7
7.5°	53.5	51.2	49.0	46.7	44.5	42.2	40.7	39.2	38.4	38.4	38.4
10°	61.8	60.3	55.8	52.8	49.7	46.7	44.5	42.2	40.7	40.7	39.9
12.5°	74.6	72.3	66.3	62.6	57.3	52.8	49.7	46.7	45.2	44.5	44.5
15°	89.7	86.7	81.4	73.9	67.1	61.0	56.5	54.3	52.8	52.0	52.0
17.5°	110.0	105.5	97.2	88.2	79.1	70.8	66.3	62.6	60.3	61.0	61.0
20°	134.1	128.9	117.6	105.5	92.7	83.7	76.1	72.3	70.8	70.8	70.8
22.5°	160.5	154.5	142.4	125.9	109.3	96.5	86.7	82.1	82.1	82.1	82.1
25°	195.2	184.6	169.6	147.7	125.9	107.8	97.2	93.4	93.4	94.2	95.0
27.5°	228.3	221.6	199.0	171.1	143.2	119.8	106.3	102.5	104.8	106.3	107.0
30°	270.5	258.5	231.4	195.2	159.0	129.6	114.6	111.5	115.3	117.6	118.3
32.5°	317.3	300.7	266.0	221.6	173.3	137.2	120.6	119.1	122.8	126.6	126.6
35°	364.8	345.2	301.4	247.2	184.6	141.7	124.3	124.3	128.9	132.6	132.6
37.5°	416.8	390.4	339.9	269.0	193.7	143.9	126.6	127.4	132.6	134.9	135.7
40°	471.8	441.6	376.1	289.4	198.2	143.2	127.4	129.6	133.4	135.7	135.7
42.5°	529.0	495.1	415.2	304.5	199.0	141.7	126.6	129.6	133.4	134.1	134.1
45°	593.9	553.9	452.9	315.8	195.9	138.7	125.9	129.6	131.9	131.1	131.1
47.5°	665.4	616.5	489.1	324.8	189.9	134.9	125.1	129.6	130.4	128.9	128.1
50°	746.1	685.8	531.3	328.6	183.1	131.1	124.3	128.9	128.9	125.9	125.9
52.5°	829.7	765.7	574.3	329.3	174.8	127.4	124.3	128.9	128.1	123.6	123.6
55°	906.6	844.1	620.2	328.6	165.8	122.8	122.8	128.9	127.4	122.8	122.8
57.5°	1005.3	927.7	658.7	322.5	156.0	119.8	122.1	128.9	126.6	122.1	122.1
60°	1079.2	1004.6	688.8	314.3	147.0	115.3	120.6	128.1	125.9	122.1	122.1
62.5°	1146.3	1067.9	703.9	299.9	136.4	111.5	118.3	126.6	125.9	122.8	122.1
65°	1180.2	1095.0	697.9	278.1	126.6	107.0	116.1	125.1	124.3	122.1	122.1
67.5°	1171.9	1084.5	663.9	250.2	116.8	102.5	112.3	120.6	121.3	120.6	120.6
70°	1110.8	1014.4	599.9	215.5	107.8	96.5	107.8	116.1	116.8	116.8	117.6
72.5°	991.8	896.1	517.0	183.1	98.0	90.4	101.0	109.3	110.8	111.5	110.8
75°	833.5	736.3	413.7	151.5	88.9	83.7	93.4	101.0	103.2	103.2	103.2
77.5°	641.3	563.0	312.0	121.3	79.9	76.1	85.2	91.9	93.4	94.2	93.4
80°	455.2	397.2	220.1	98.0	70.8	68.6	75.4	80.6	82.1	83.7	82.9
82.5°	296.9	265.3	154.5	77.6	61.0	59.5	65.6	69.3	70.8	70.8	70.1
85°	180.1	165.0	101.7	61.8	52.0	50.5	55.0	57.3	58.0	58.0	58.0
87.5°	112.3	101.7	71.6	49.7	43.7	43.0	45.2	46.0	48.2	47.5	46.7
90°	72.3	67.8	52.8	39.2	35.4	35.4	36.9	36.9	38.4	38.4	36.9
92.5°	52.0	49.7	40.7	32.4	29.4	30.1	30.9	30.1	30.9	30.9	30.9
95°	39.9	38.4	33.9	27.9	24.9	25.6	24.9	24.9	25.6	25.6	24.9
97.5°	31.7	31.7	27.9	23.4	21.9	21.1	21.9	21.1	21.9	21.1	20.3
100°	24.9	24.9	23.4	20.3	18.8	18.1	18.8	18.1	18.8	18.1	17.3
102.5°	19.6	20.3	19.6	17.3	16.6	15.8	15.8	15.8	15.8	15.1	15.1
105°	15.1	15.8	16.6	15.1	14.3	13.6	13.6	13.6	13.6	12.8	12.1
107.5°	12.1	12.8	13.6	12.8	12.8	12.1	12.1	12.1	11.3	10.6	10.6
110°	9.8	10.6	11.3	11.3	10.6	10.6	10.6	10.6	9.8	9.0	9.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	8.3	9.0	9.8	9.8	9.8	9.8	9.0	8.3	8.3	8.3
115°	6.8	7.5	8.3	8.3	8.3	8.3	8.3	7.5	7.5	6.8	6.8
117.5°	6.0	6.0	6.8	7.5	7.5	7.5	7.5	6.8	6.0	6.0	6.8
120°	5.3	5.3	6.0	6.8	6.8	6.8	6.8	6.0	5.3	6.0	6.0
122.5°	5.3	5.3	5.3	6.0	6.0	6.0	6.0	5.3	5.3	5.3	5.3
125°	4.5	4.5	5.3	5.3	5.3	5.3	5.3	4.5	4.5	5.3	5.3
127.5°	4.5	4.5	4.5	4.5	5.3	5.3	4.5	4.5	4.5	4.5	4.5
130°	3.8	3.8	4.5	4.5	4.5	4.5	4.5	3.8	3.8	4.5	4.5
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
135°	3.0	3.0	3.8	3.8	3.8	3.8	3.8	3.0	3.8	3.8	3.8
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8
140°	2.3	2.3	2.3	3.0	3.0	3.0	3.0	2.3	3.0	3.0	3.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0
145°	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)