

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: P254310

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2345.6 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

Input Watts (W): 21
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

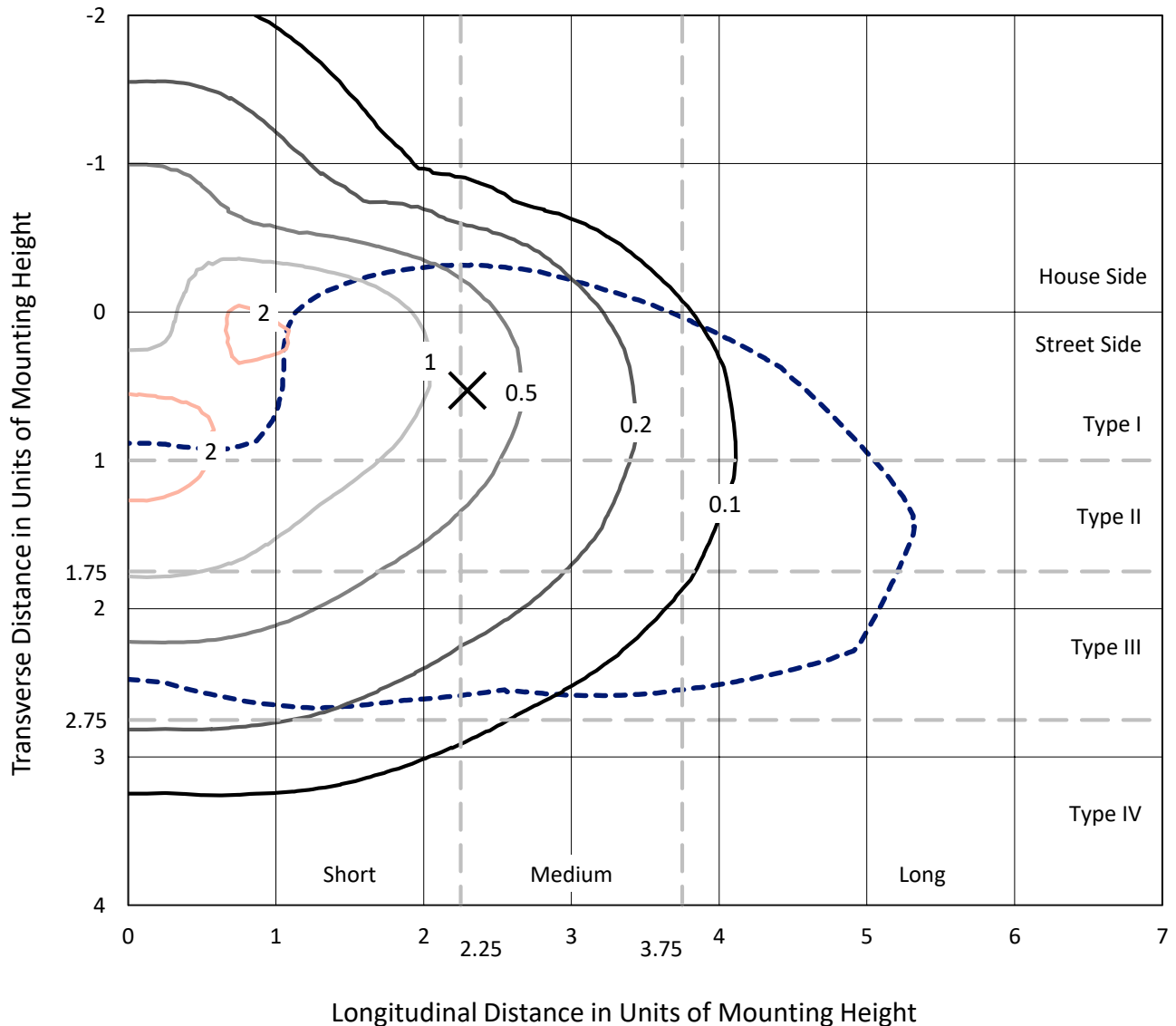


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Iso-Footcandle Lines of Horizontal Illumination

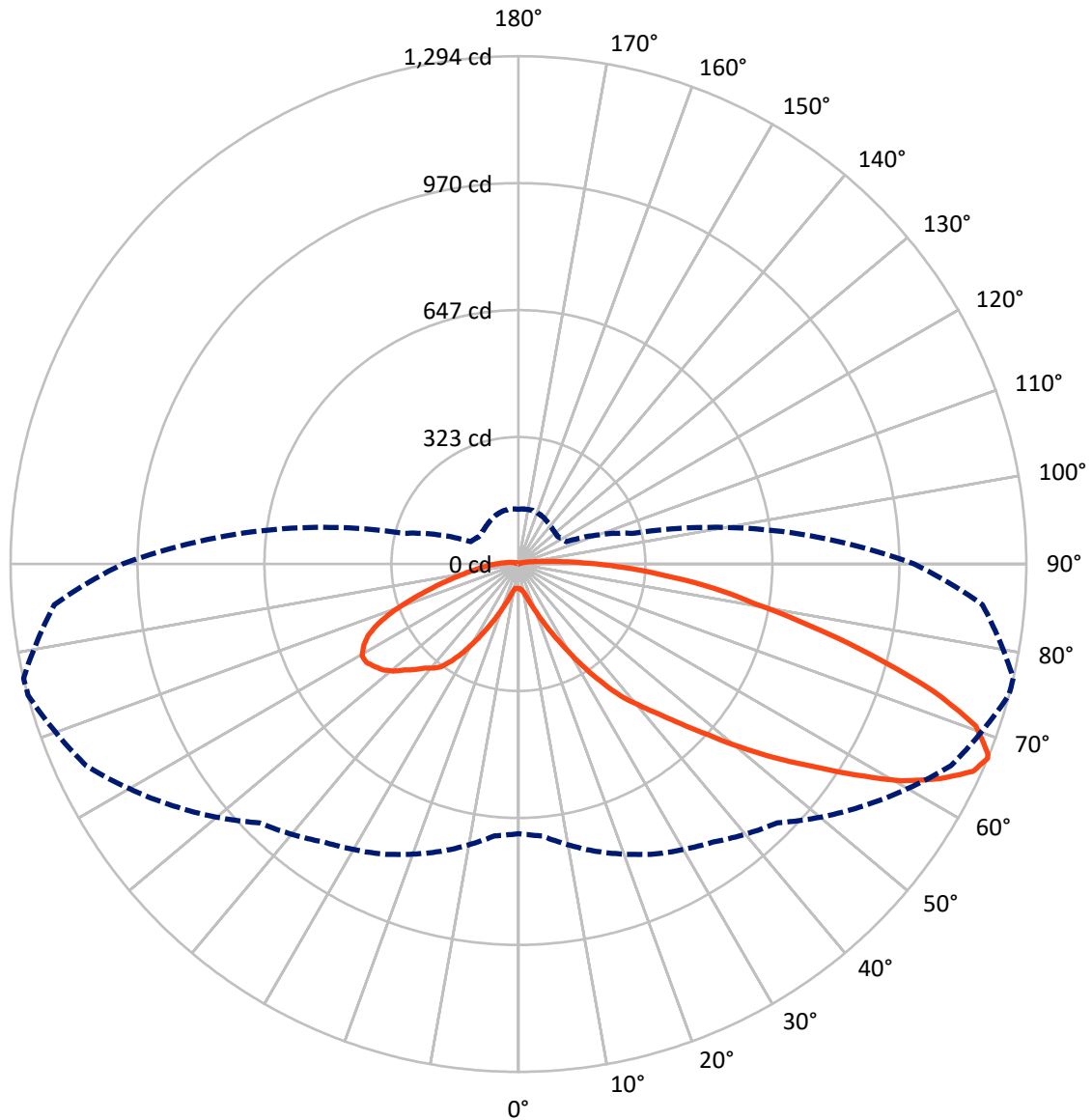
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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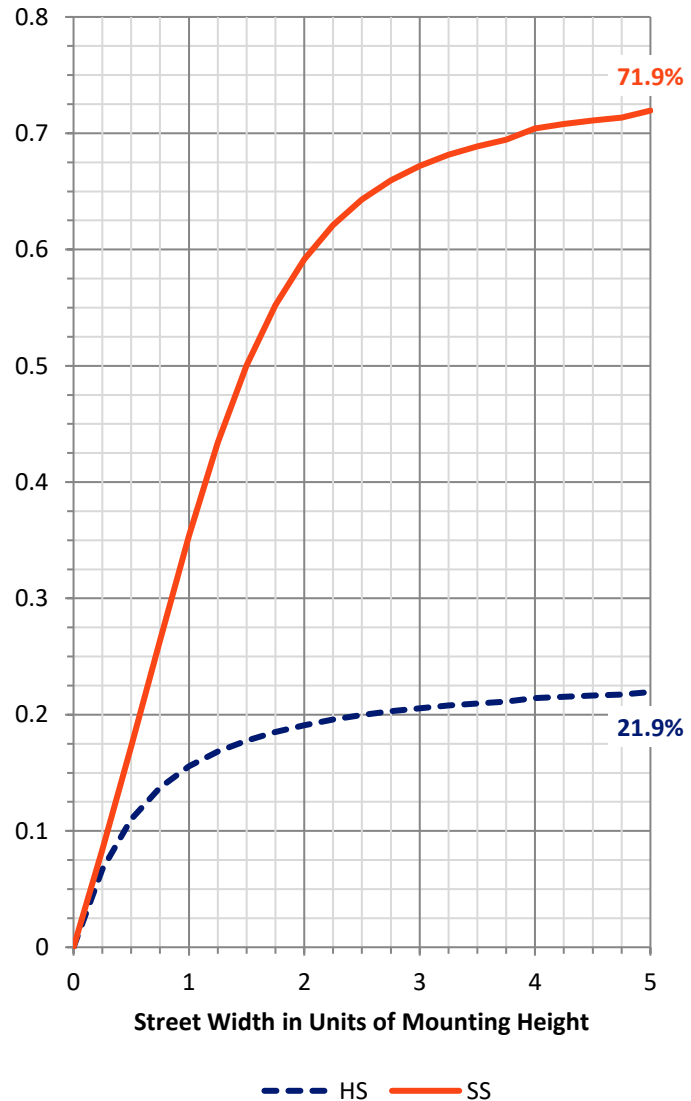
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	537.8	34.2	572.0
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	1729.1	44.5	1773.6
	% Fixture	73.7	1.9	75.6
Total	Lumens	2266.9	78.7	2345.6
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.3
10°-20°	26.3	1.1
20°-30°	77.0	3.3
30°-40°	179.0	7.6
40°-50°	314.0	13.4
50°-60°	482.5	20.6
60°-70°	596.7	25.4
70°-80°	416.5	17.8
80°-90°	168.6	7.2
90°-100°	49.8	2.1
100°-110°	16.1	0.7
110°-120°	6.8	0.3
120°-130°	3.5	0.2
130°-140°	1.8	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2266.9	96.6
0°-180°	2345.6	100.0



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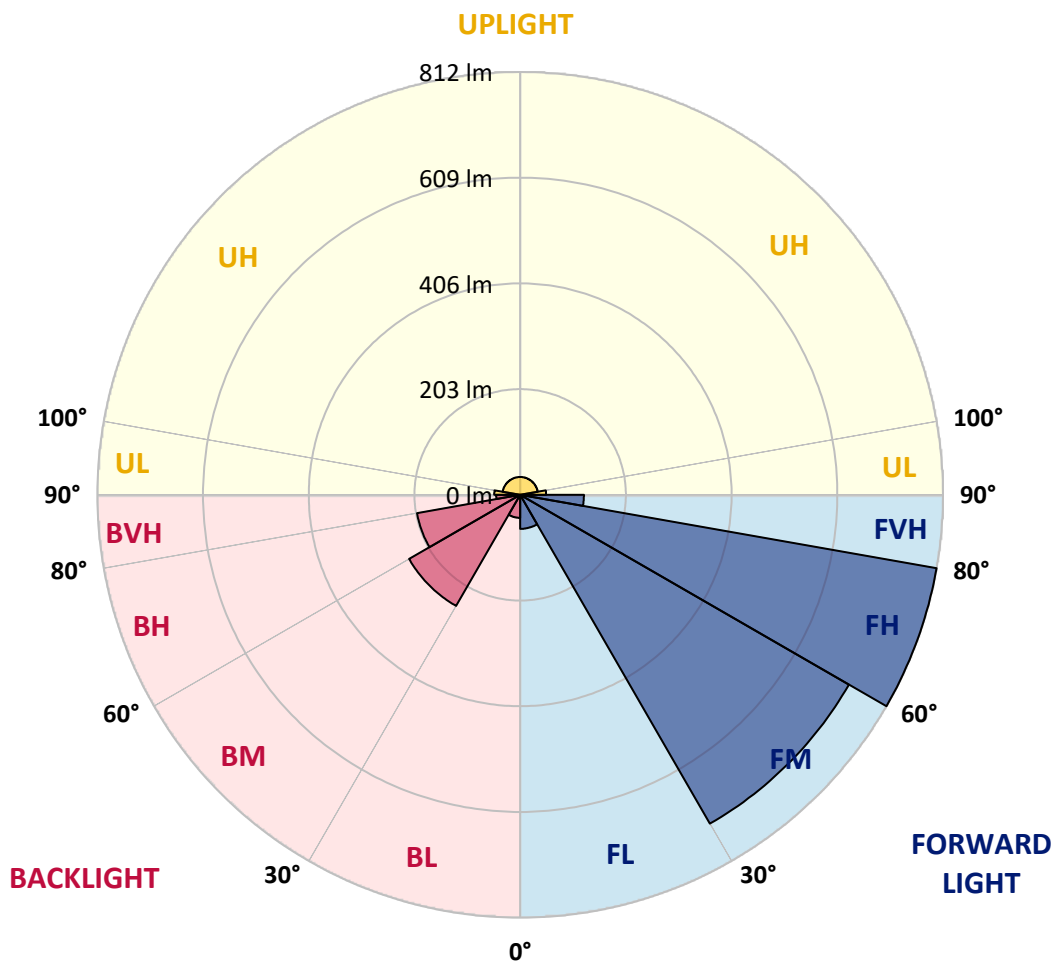
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.4	2.8			
FM	(30°-60°)	729.1	31.1			
FH	(60°-80°)	812.1	34.6			G1/1800
FVH	(80°-90°)	122.5	5.2			G2/225
BL	(0°-30°)	44.2	1.9	B0/110		
BM	(30°-60°)	246.3	10.5	B1/1000		
BH	(60°-80°)	201.1	8.6	B1/500		G1/500
BVH	(80°-90°)	46.1	2.0			G1/100
UL	(90°-100°)	49.8	2.1		U2/50	
UH	(100°-180°)	34.2	1.5		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	66.4	66.6	66.6	66.6	66.4	65.8	65.0	64.3	63.5	63.2	62.7
5°	71.4	71.4	71.4	71.2	70.6	69.5	68.3	66.9	65.3	65.0	63.8
7.5°	77.1	77.3	77.1	76.5	75.1	74.0	72.3	70.3	68.3	67.7	66.4
10°	85.3	85.3	84.7	83.6	81.6	79.4	77.3	75.1	73.1	72.5	70.9
12.5°	97.7	97.7	96.6	93.5	90.3	87.3	85.0	83.3	82.1	81.3	80.2
15°	113.5	113.8	112.1	107.3	103.3	98.5	96.6	96.3	96.0	95.1	94.0
17.5°	132.7	132.7	129.9	123.4	118.3	113.8	111.8	111.8	111.8	111.8	111.2
20°	155.6	155.9	152.2	142.9	137.5	132.2	130.1	130.4	131.6	131.9	131.9
22.5°	184.9	186.1	180.4	167.8	161.2	153.3	151.9	153.3	156.4	157.2	158.7
25°	225.0	223.3	215.9	199.4	189.8	180.1	177.9	181.9	187.7	189.5	192.5
27.5°	267.1	267.4	257.0	236.6	220.5	208.9	207.8	215.7	224.2	226.5	231.5
30°	320.7	321.3	305.5	280.4	256.4	241.7	241.7	254.7	267.7	271.3	279.6
32.5°	385.1	384.5	361.1	330.9	297.6	279.6	280.1	299.0	317.6	321.9	329.5
35°	459.9	459.1	428.0	388.2	343.9	320.5	323.0	347.0	371.0	374.9	387.1
37.5°	536.4	537.4	502.9	452.3	395.0	364.3	369.0	397.5	426.9	429.7	439.4
40°	605.6	609.9	575.1	518.6	450.3	410.2	415.9	443.2	472.1	473.2	476.9
42.5°	672.0	672.6	643.4	583.3	507.7	461.0	461.7	487.8	515.3	520.1	521.8
45°	714.3	720.3	696.8	642.6	565.6	513.0	508.2	534.5	574.9	580.5	580.5
47.5°	762.6	768.8	742.0	696.0	621.4	565.3	561.3	594.9	643.2	649.2	646.8
50°	816.8	824.5	805.0	755.0	677.1	620.9	627.7	666.9	725.4	733.9	731.3
52.5°	858.1	866.2	854.4	819.1	739.5	685.8	693.2	748.0	812.6	821.0	811.5
55°	873.3	884.5	888.2	870.2	803.8	754.7	777.3	836.6	900.1	909.2	899.0
57.5°	872.8	884.3	898.5	895.9	857.7	825.6	858.7	927.8	1004.6	1013.6	1003.2
60°	866.5	880.0	906.0	909.4	888.0	888.0	941.3	1036.5	1113.3	1121.5	1091.6
62.5°	812.6	829.5	877.0	911.1	904.6	928.1	1017.0	1126.6	1200.8	1204.7	1148.6
65°	745.1	761.0	813.1	868.5	899.3	942.2	1066.4	1190.6	1268.3	1272.9	1192.0
67°	686.7	695.1	757.5	815.4	864.5	932.6	1074.0	1215.3	1292.9	1293.7	1186.7
67.5°	665.7	674.5	738.1	799.8	852.4	925.8	1070.1	1217.5	1291.5	1289.7	1176.5
70°	556.2	561.3	627.7	707.3	766.3	852.7	1021.0	1173.7	1241.8	1236.6	1107.0
72.5°	411.1	415.3	484.3	581.0	650.8	745.9	914.5	1080.5	1118.4	1104.6	953.2
75°	284.9	288.3	342.0	424.6	516.1	616.6	781.8	919.6	947.6	930.4	790.0
77.5°	188.3	190.9	232.6	297.9	382.0	493.0	636.2	759.7	782.4	762.3	634.4
80°	119.5	121.4	152.4	203.9	280.1	386.8	510.8	618.1	627.7	608.8	495.8
82.5°	75.7	77.6	98.5	138.1	201.0	294.5	401.8	498.1	511.1	499.7	387.7
85°	48.6	51.4	66.4	94.6	142.6	215.9	313.1	396.1	394.8	376.0	284.6
87.5°	34.5	36.7	48.0	67.5	100.6	153.0	228.9	287.4	284.1	271.6	197.9
90°	25.7	27.4	35.6	49.1	72.3	107.3	158.7	199.1	189.1	181.6	130.7
92.5°	18.9	20.4	26.5	35.9	51.7	75.1	104.8	128.8	118.6	113.2	82.8
95°	13.8	14.7	19.4	26.3	37.5	52.3	68.6	81.0	72.8	69.2	52.3
97.5°	10.7	11.3	14.9	20.4	27.9	37.5	46.3	50.8	46.3	44.1	36.1
100°	9.0	9.3	12.4	16.1	22.0	28.5	33.0	34.7	31.9	30.5	26.3
102.5°	7.7	7.9	10.1	13.3	17.8	22.6	24.9	25.4	22.9	22.0	19.7
105°	6.4	6.8	8.8	11.3	14.9	18.3	19.4	18.9	16.7	16.1	14.9
107.5°	5.6	5.9	7.4	9.6	12.4	15.2	15.5	14.4	12.4	11.9	11.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	5.1	5.1	6.4	8.2	10.7	12.7	12.7	11.0	9.3	9.0	9.0
112.5°	4.5	4.5	5.6	7.1	9.3	10.7	10.4	8.8	7.1	6.8	7.1
115°	4.0	4.0	4.8	6.4	8.2	9.3	8.8	7.1	5.3	5.3	5.9
117.5°	3.7	3.7	4.5	5.9	7.4	8.2	7.4	5.6	4.5	4.5	4.8
120°	3.4	3.4	4.2	5.3	6.8	7.4	6.4	4.8	3.7	3.7	4.2
122.5°	3.4	3.4	4.0	5.1	6.2	6.4	5.6	4.2	3.1	3.4	3.7
125°	3.4	3.7	4.0	4.8	5.6	5.6	4.8	3.7	2.9	2.9	3.4
127.5°	3.7	3.7	4.0	4.5	5.1	5.1	4.2	3.1	2.9	2.9	3.1
130°	4.0	4.0	4.0	4.2	4.5	4.2	3.7	2.9	2.6	2.6	2.9
132.5°	4.0	4.0	4.0	4.0	4.0	3.7	3.1	2.6	2.3	2.6	2.9
135°	3.7	3.7	3.7	3.7	3.4	3.1	2.6	1.9	1.9	1.9	2.3
137.5°	3.4	3.1	3.1	3.1	2.9	2.6	1.9	1.4	1.7	1.7	1.9
140°	2.9	2.9	2.9	2.6	2.3	1.9	1.4	1.1	1.4	1.4	1.7
142.5°	2.3	2.3	2.3	1.9	1.7	1.4	0.8	0.8	1.1	1.4	1.4
145°	1.7	1.7	1.7	1.4	1.1	0.8	0.6	0.8	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	0.6	0.3	0.6	0.6	0.8	0.8	1.1
150°	0.6	0.6	0.8	0.6	0.3	0.3	0.3	0.6	0.6	0.8	0.8
152.5°	0.3	0.3	0.6	0.3	0.0	0.0	0.0	0.3	0.6	0.6	0.6
155°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	62.4	62.1	61.6	60.7	60.1	59.8	59.8	59.3	59.3	59.3	59.0
5°	63.5	62.7	61.6	60.5	59.3	58.4	58.2	57.6	57.1	57.1	56.8
7.5°	65.3	64.3	62.4	60.7	59.0	57.9	57.3	56.8	56.2	56.0	55.6
10°	69.8	68.6	65.5	62.7	60.5	58.7	57.9	57.3	56.8	56.8	56.5
12.5°	79.1	77.1	73.1	68.3	63.5	61.0	60.1	62.1	63.0	63.8	63.8
15°	92.9	90.9	85.0	77.9	70.9	66.1	67.5	70.3	72.5	74.0	74.0
17.5°	109.9	106.7	99.4	89.2	79.9	76.5	75.9	79.1	82.4	84.4	84.4
20°	129.9	126.2	116.0	102.2	91.8	86.6	85.5	88.4	92.4	95.4	95.4
22.5°	155.9	151.6	136.7	117.1	103.6	96.6	95.1	98.0	103.6	107.8	107.6
25°	189.8	183.0	162.3	135.2	115.5	105.6	104.4	108.9	116.6	122.5	123.4
27.5°	228.9	219.4	188.6	154.8	127.1	113.5	113.8	120.0	129.3	135.8	135.8
30°	273.3	263.1	220.2	173.9	137.0	120.3	121.4	129.6	138.9	145.4	145.4
32.5°	324.7	309.7	253.6	192.8	145.7	125.3	126.5	136.4	145.7	152.7	153.0
35°	376.7	356.3	283.8	208.4	153.0	129.6	130.1	141.8	151.9	159.8	160.7
37.5°	424.1	397.8	310.6	219.1	156.4	131.6	132.4	145.7	157.5	164.9	164.9
40°	458.0	424.9	323.6	221.7	157.2	132.2	134.7	148.2	157.2	160.7	159.3
42.5°	496.3	455.7	331.7	217.4	154.2	131.9	135.8	146.6	151.3	151.6	150.2
45°	550.0	497.3	346.7	213.7	148.5	131.2	134.4	142.3	143.7	141.2	139.4
47.5°	612.1	542.4	359.2	209.2	144.8	129.9	132.4	137.2	136.1	131.6	130.1
50°	682.1	599.7	374.7	203.6	142.0	128.2	130.4	133.6	132.2	127.4	126.2
52.5°	750.7	650.0	384.5	197.6	139.4	127.4	129.0	132.7	131.0	125.3	123.7
55°	822.8	701.0	386.8	187.5	137.5	127.4	129.3	133.3	131.2	125.3	123.7
57.5°	907.5	756.2	386.8	175.6	134.4	127.9	130.1	134.1	132.4	126.5	125.1
60°	976.3	795.3	378.6	165.2	130.7	127.9	130.4	134.7	134.4	130.1	129.3
62.5°	1014.5	809.8	356.3	153.6	127.7	127.1	130.7	136.1	138.1	134.9	134.1
65°	1034.8	805.0	330.3	142.0	124.8	125.3	130.7	137.0	140.0	138.3	137.2
67°	1008.2	771.1	301.9	134.1	121.9	124.0	130.1	137.0	141.2	140.7	139.4
67.5°	995.0	757.5	293.7	132.7	121.1	123.7	129.9	137.0	141.2	141.2	140.0
70°	912.3	681.3	251.0	122.2	115.8	119.5	126.7	135.5	140.3	140.7	140.0
72.5°	771.1	560.2	207.2	112.4	108.9	113.2	122.2	131.2	135.8	135.2	134.7
75°	628.2	451.7	168.9	102.8	101.1	105.9	114.1	122.5	125.6	124.2	123.7
77.5°	497.5	352.4	138.3	93.5	93.2	97.4	103.9	110.1	111.8	109.3	108.9
80°	382.3	269.3	113.2	85.8	85.0	88.1	92.6	96.9	98.0	95.4	94.8
82.5°	292.8	204.2	94.0	77.3	77.1	78.8	81.8	84.7	86.6	84.2	83.3
85°	211.8	149.4	79.1	68.3	68.6	69.5	71.4	73.4	76.2	75.4	74.3
87.5°	147.7	108.4	67.2	59.8	59.8	60.5	61.6	63.5	67.2	66.9	65.8
90°	100.6	78.3	56.5	52.3	51.4	51.7	52.5	53.6	57.1	56.8	56.0
92.5°	67.2	55.6	45.7	43.2	43.0	43.2	43.2	44.1	45.7	44.9	44.1
95°	44.9	40.1	36.4	35.0	34.5	34.7	34.7	34.2	35.3	33.9	33.0
97.5°	32.2	30.2	29.4	28.2	27.4	27.6	27.6	27.1	27.4	25.4	24.9
100°	24.6	24.0	24.0	22.9	22.0	22.3	22.3	22.0	21.8	19.4	19.2
102.5°	19.4	19.2	19.4	18.6	17.8	18.3	18.1	17.8	17.2	15.2	14.9
105°	15.2	15.2	16.1	15.2	14.7	14.9	14.9	14.4	13.8	12.2	12.2
107.5°	11.9	12.2	13.0	12.4	12.2	12.4	12.2	11.6	10.7	9.6	9.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.3	9.9	10.7	10.4	10.1	10.4	9.9	9.3	8.5	7.9	7.9
112.5°	7.7	7.9	8.8	8.8	8.5	8.8	8.2	7.4	6.8	6.4	6.4
115°	6.2	6.8	7.4	7.4	7.4	7.4	6.8	5.9	5.3	5.3	5.3
117.5°	5.3	5.6	6.2	6.2	6.2	6.2	5.6	4.8	4.2	4.5	4.5
120°	4.5	4.8	5.3	5.3	5.3	5.3	4.8	4.0	3.4	3.7	3.7
122.5°	4.0	4.2	4.5	4.8	4.8	4.5	4.0	3.4	2.9	3.1	3.1
125°	3.7	4.0	4.0	4.2	4.0	4.0	3.4	2.9	2.6	2.9	2.9
127.5°	3.4	3.7	3.7	3.7	3.7	3.1	2.9	2.3	1.9	2.3	2.6
130°	3.1	3.4	3.4	3.1	2.9	2.6	2.3	1.9	1.7	1.9	2.3
132.5°	3.1	3.1	3.1	2.9	2.6	1.9	1.7	1.4	1.4	1.7	1.9
135°	2.6	2.6	2.6	2.3	1.7	1.4	1.1	1.1	1.1	1.4	1.4
137.5°	1.9	2.3	1.9	1.7	1.4	1.1	0.8	0.8	0.8	1.1	1.1
140°	1.7	1.7	1.7	1.4	1.1	0.6	0.3	0.3	0.6	0.6	0.8
142.5°	1.4	1.7	1.4	1.1	0.8	0.3	0.0	0.3	0.3	0.3	0.3
145°	1.4	1.4	1.1	0.8	0.6	0.3	0.0	0.0	0.3	0.0	0.0
147.5°	1.1	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	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)