

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: P254301

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254301
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2218 lumens
Efficiency: N/A
Efficacy: 105.6 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

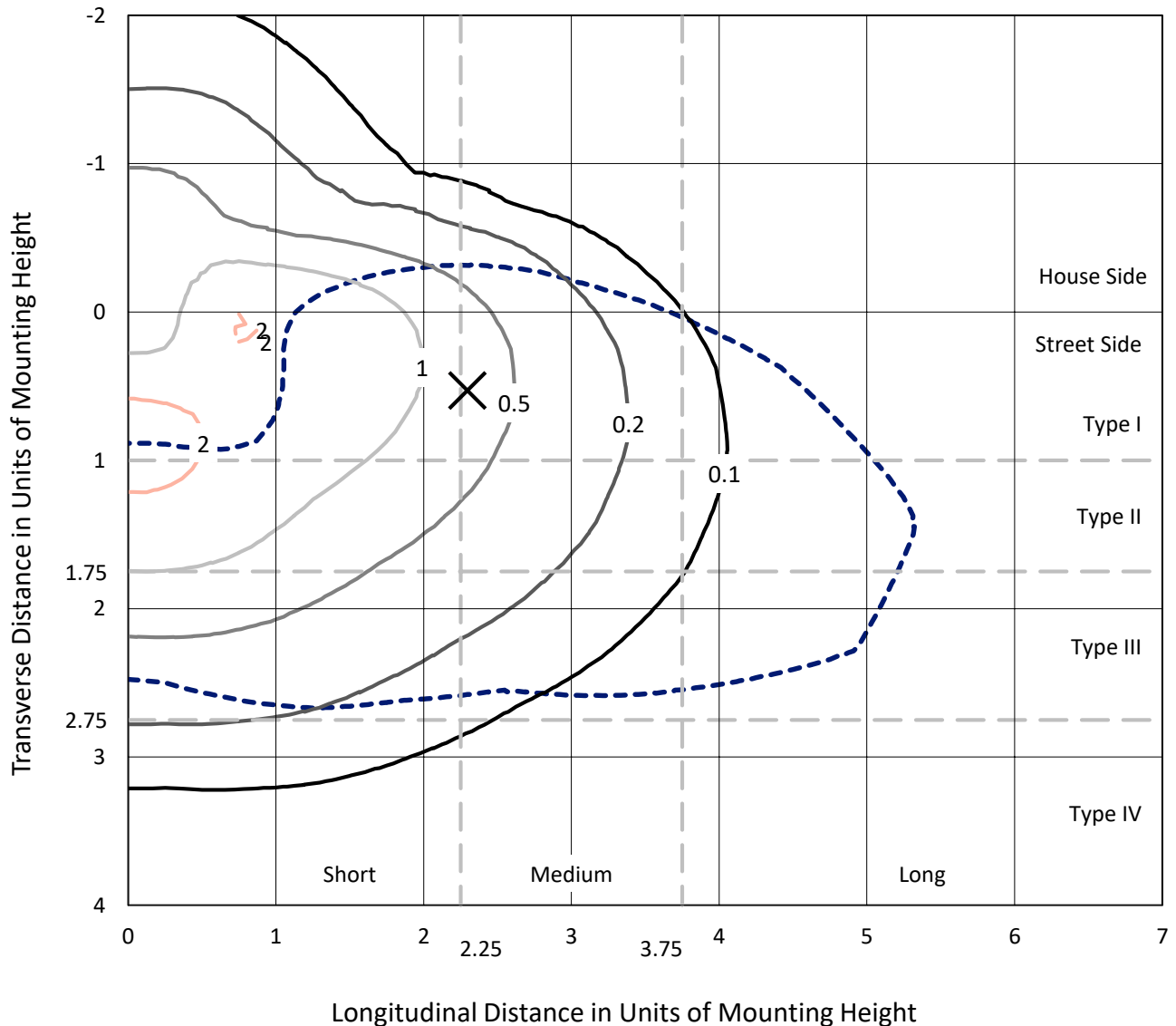
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

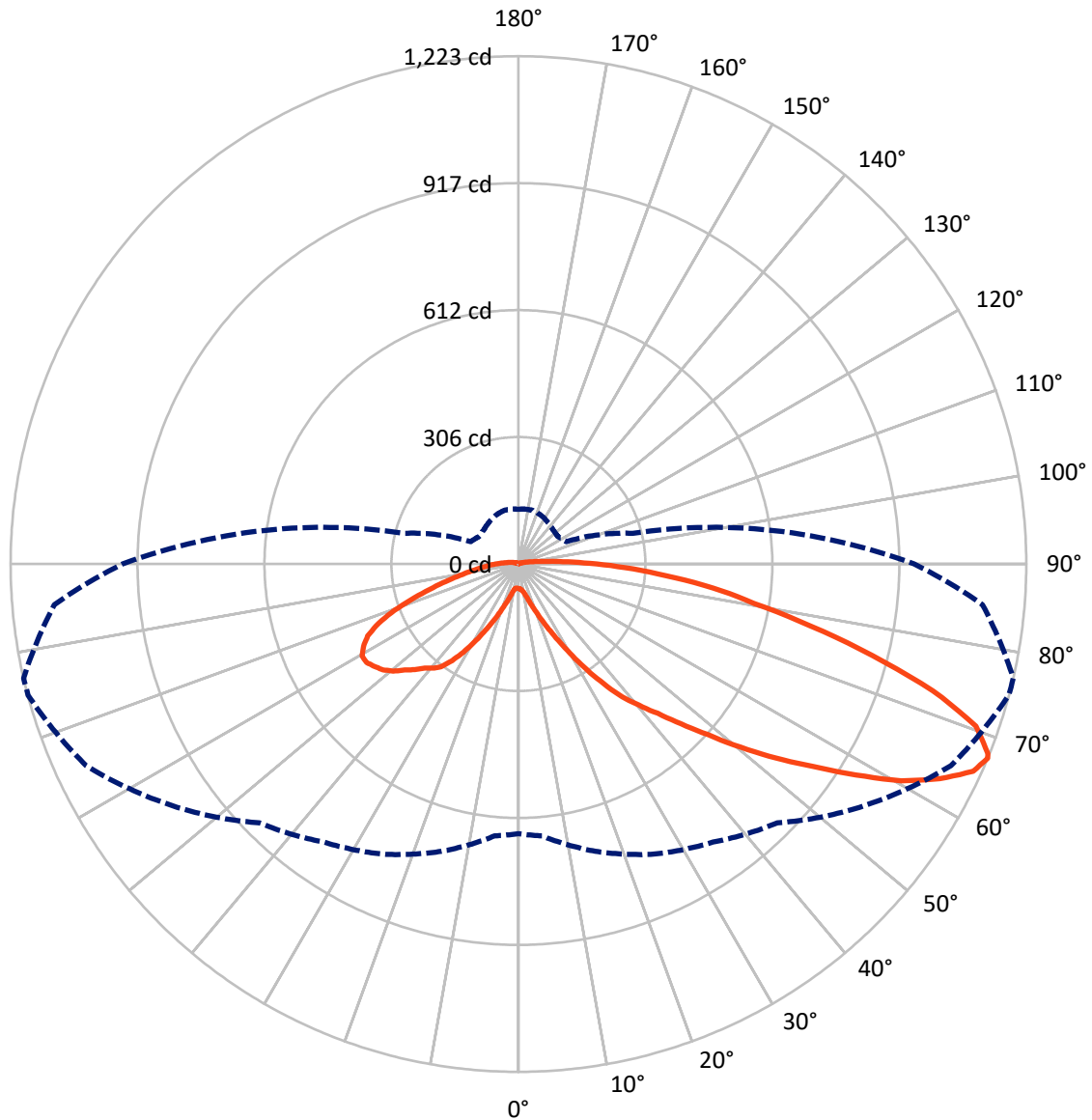
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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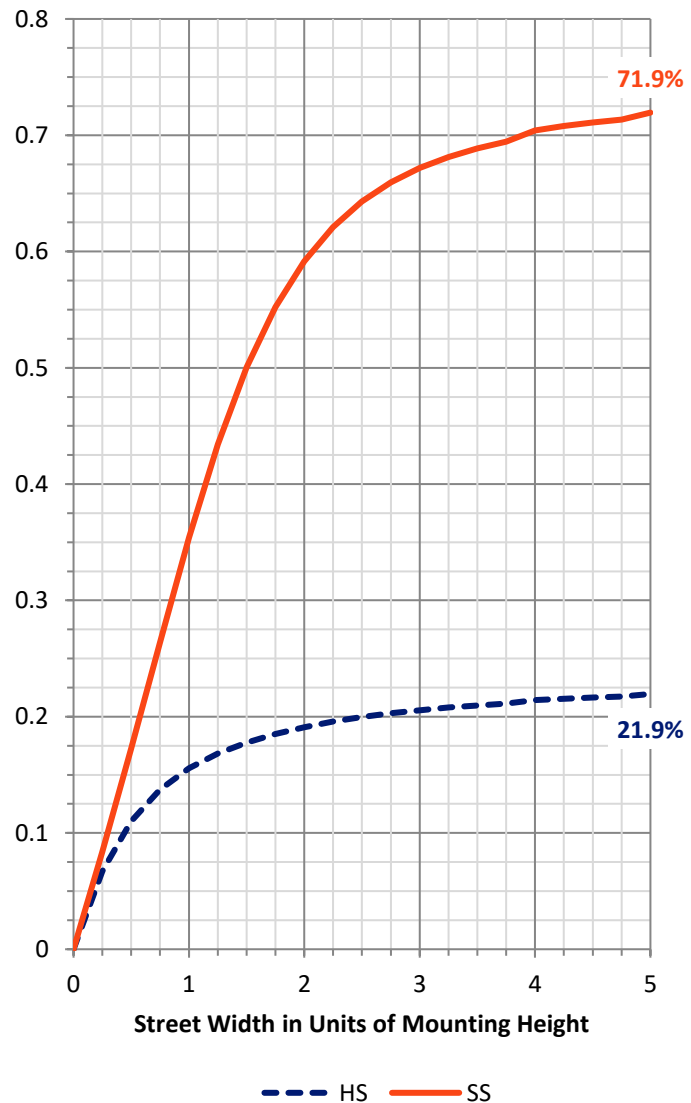
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.6	32.3	540.9
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	1635.0	42.1	1677.1
	% Fixture	73.7	1.9	75.6
Total	Lumens	2143.5	74.4	2218.0
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.3
10°-20°	24.9	1.1
20°-30°	72.8	3.3
30°-40°	169.2	7.6
40°-50°	296.9	13.4
50°-60°	456.2	20.6
60°-70°	564.2	25.4
70°-80°	393.9	17.8
80°-90°	159.4	7.2
90°-100°	47.1	2.1
100°-110°	15.2	0.7
110°-120°	6.5	0.3
120°-130°	3.4	0.2
130°-140°	1.7	0.1
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2143.5	96.6
0°-180°	2218.0	100.0



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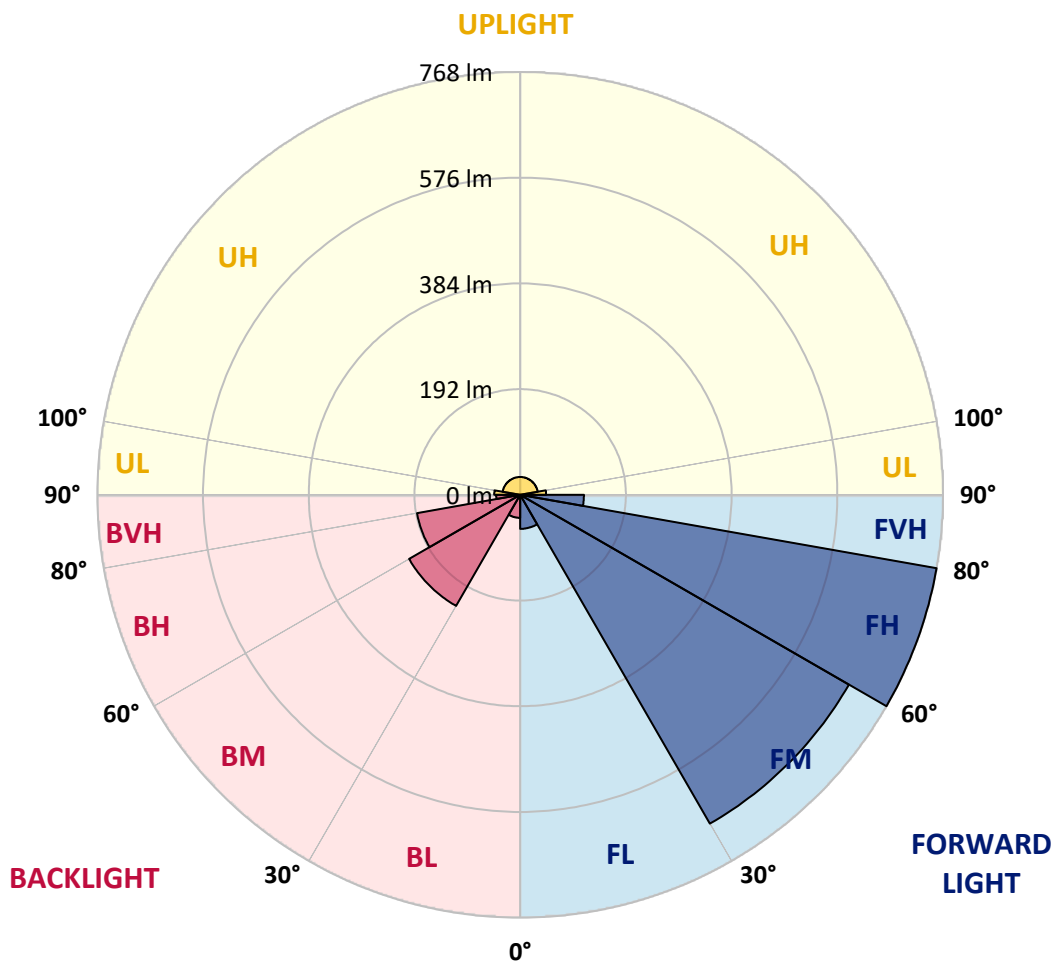
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.8	2.8			
FM (30°-60°)	689.4	31.1			
FH (60°-80°)	767.9	34.6			G1/1800
FVH (80°-90°)	115.8	5.2			G2/225
BL (0°-30°)	41.8	1.9	B0/110		
BM (30°-60°)	232.9	10.5	B1/1000		
BH (60°-80°)	190.2	8.6	B1/500		G1/500
BVH (80°-90°)	43.6	2.0			G1/100
UL (90°-100°)	47.1	2.1		U2/50	
UH (100°-180°)	32.3	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°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	62.8	63.1	63.1	63.1	62.8	62.2	61.4	60.8	60.1	59.8	59.2
5°	67.5	67.5	67.5	67.3	66.7	65.7	64.6	63.3	61.6	61.4	60.3
7.5°	72.8	73.2	72.8	72.3	71.0	69.9	68.4	66.4	64.6	64.0	62.8
10°	80.7	80.7	80.1	79.0	77.1	75.1	73.2	71.0	69.2	68.7	66.9
12.5°	92.4	92.4	91.3	88.4	85.4	82.5	80.5	78.7	77.7	76.9	75.8
15°	107.3	107.6	106.0	101.5	97.7	93.2	91.3	91.0	90.8	89.9	88.9
17.5°	125.4	125.4	122.8	116.7	111.9	107.6	105.8	105.8	105.8	105.8	105.2
20°	147.1	147.4	143.9	135.1	130.0	125.0	123.0	123.4	124.4	124.7	124.7
22.5°	175.0	175.9	170.6	158.5	152.4	145.0	143.6	145.0	147.9	148.7	150.0
25°	212.8	211.2	204.2	188.5	179.4	170.3	168.2	172.0	177.5	179.1	182.0
27.5°	252.6	252.8	243.0	223.8	208.4	197.5	196.4	204.0	212.0	214.1	218.9
30°	303.3	303.8	288.9	265.1	242.4	228.6	228.6	240.8	253.1	256.5	264.3
32.5°	364.2	363.7	341.4	312.9	281.4	264.3	264.9	282.8	300.4	304.4	311.6
35°	435.0	434.1	404.7	367.1	325.1	302.9	305.4	328.1	350.8	354.5	366.0
37.5°	507.3	508.0	475.5	427.7	373.5	344.3	349.0	376.0	403.7	406.3	415.4
40°	572.6	576.7	543.8	490.5	425.8	387.9	393.3	419.1	446.5	447.4	450.9
42.5°	635.5	636.0	608.5	551.5	479.9	436.0	436.5	461.3	487.2	491.7	493.5
45°	675.4	681.0	659.0	607.7	534.8	485.1	480.5	505.5	543.6	548.9	548.9
47.5°	721.1	727.0	701.7	658.1	587.6	534.5	530.8	562.5	608.1	613.8	611.7
50°	772.4	779.6	761.2	713.9	640.3	587.0	593.5	630.7	685.8	693.9	691.5
52.5°	811.4	819.1	807.9	774.5	699.3	648.5	655.4	707.2	768.4	776.4	767.3
55°	825.8	836.5	839.8	822.8	760.1	713.7	735.0	791.0	851.1	859.7	850.0
57.5°	825.2	836.2	849.5	847.1	811.0	780.6	811.9	877.3	949.9	958.4	948.6
60°	819.3	832.2	856.7	860.0	839.6	839.6	890.1	980.0	1052.7	1060.5	1032.2
62.5°	768.4	784.4	829.3	861.5	855.4	877.6	961.7	1065.3	1135.4	1139.2	1086.0
65°	704.6	719.5	768.8	821.2	850.4	890.9	1008.4	1125.8	1199.2	1203.5	1127.2
67°	649.3	657.3	716.3	771.1	817.5	881.8	1015.6	1149.1	1222.5	1223.2	1122.1
67.5°	629.6	637.8	697.8	756.4	806.0	875.3	1011.8	1151.3	1221.2	1219.6	1112.5
70°	526.0	530.8	593.5	668.7	724.6	806.3	965.5	1109.8	1174.2	1169.4	1046.8
72.5°	388.8	392.7	457.9	549.5	615.3	705.4	864.8	1021.7	1057.5	1044.4	901.3
75°	269.5	272.6	323.3	401.5	488.1	583.1	739.2	869.6	896.0	879.6	747.0
77.5°	178.1	180.5	219.9	281.7	361.2	466.1	601.5	718.5	739.8	720.9	600.0
80°	113.0	114.8	144.2	192.8	264.9	365.8	482.9	584.4	593.5	575.6	468.8
82.5°	71.6	73.4	93.2	130.6	190.1	278.5	379.9	470.9	483.3	472.5	366.6
85°	45.9	48.6	62.8	89.5	134.8	204.2	296.1	374.5	373.2	355.6	269.1
87.5°	32.6	34.8	45.4	63.8	95.0	144.7	216.6	271.8	268.6	256.9	187.2
90°	24.2	25.9	33.7	46.4	68.4	101.5	150.0	188.3	178.8	171.6	123.6
92.5°	17.9	19.2	25.1	33.9	48.8	71.0	99.1	121.8	112.1	107.1	78.2
95°	13.1	13.8	18.5	24.8	35.5	49.3	64.9	76.6	68.9	65.4	49.3
97.5°	10.2	10.7	14.2	19.2	26.4	35.5	43.8	48.1	43.8	41.6	34.2
100°	8.5	8.8	11.8	15.2	20.9	27.0	31.2	32.9	30.1	28.9	24.8
102.5°	7.2	7.4	9.7	12.6	16.8	21.3	23.5	24.0	21.7	20.9	18.7
105°	6.1	6.4	8.3	10.7	14.2	17.4	18.5	17.9	15.8	15.2	14.2
107.5°	5.4	5.6	7.0	9.1	11.8	14.4	14.6	13.6	11.8	11.3	10.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	4.8	4.8	6.1	7.7	10.2	12.0	12.0	10.4	8.8	8.5	8.5
112.5°	4.3	4.3	5.4	6.7	8.8	10.2	9.9	8.3	6.7	6.4	6.7
115°	3.8	3.8	4.6	6.1	7.7	8.8	8.3	6.7	5.0	5.0	5.6
117.5°	3.5	3.5	4.3	5.6	7.0	7.7	7.0	5.4	4.3	4.3	4.6
120°	3.2	3.2	4.1	5.0	6.4	7.0	6.1	4.6	3.5	3.5	4.1
122.5°	3.2	3.2	3.8	4.8	5.9	6.1	5.4	4.1	2.9	3.2	3.5
125°	3.2	3.5	3.8	4.6	5.4	5.4	4.6	3.5	2.6	2.6	3.2
127.5°	3.5	3.5	3.8	4.3	4.8	4.8	4.1	2.9	2.6	2.6	2.9
130°	3.8	3.8	3.8	4.1	4.3	4.1	3.5	2.6	2.4	2.4	2.6
132.5°	3.8	3.8	3.8	3.8	3.8	3.5	2.9	2.4	2.1	2.4	2.6
135°	3.5	3.5	3.5	3.5	3.2	2.9	2.4	1.8	1.8	1.8	2.1
137.5°	3.2	2.9	2.9	2.9	2.6	2.4	1.8	1.3	1.6	1.6	1.8
140°	2.6	2.6	2.6	2.4	2.1	1.8	1.3	1.1	1.3	1.3	1.6
142.5°	2.1	2.1	2.1	1.8	1.6	1.3	0.8	0.8	1.1	1.3	1.3
145°	1.6	1.6	1.6	1.3	1.1	0.8	0.5	0.8	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	0.5	0.2	0.5	0.5	0.8	0.8	1.1
150°	0.5	0.5	0.8	0.5	0.2	0.2	0.2	0.5	0.5	0.8	0.8
152.5°	0.2	0.2	0.5	0.2	0.0	0.0	0.0	0.2	0.5	0.5	0.5
155°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
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°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
2.5°	59.0	58.8	58.2	57.4	56.9	56.6	56.6	56.0	56.0	56.0	55.8
5°	60.1	59.2	58.2	57.2	56.0	55.2	54.9	54.4	54.0	54.0	53.6
7.5°	61.6	60.8	59.0	57.4	55.8	54.7	54.2	53.6	53.1	52.9	52.6
10°	66.0	64.9	62.0	59.2	57.2	55.5	54.7	54.2	53.6	53.6	53.4
12.5°	74.8	72.8	69.2	64.6	60.1	57.7	56.9	58.8	59.5	60.3	60.3
15°	87.9	86.0	80.5	73.6	66.9	62.5	63.8	66.4	68.7	69.9	69.9
17.5°	103.9	100.9	94.0	84.3	75.6	72.3	71.8	74.8	78.0	79.9	79.9
20°	122.8	119.3	109.7	96.7	86.8	82.0	80.9	83.6	87.3	90.2	90.2
22.5°	147.4	143.3	129.3	110.8	98.0	91.3	89.9	92.7	98.0	101.9	101.7
25°	179.4	172.9	153.5	127.9	109.2	99.9	98.8	103.0	110.3	115.9	116.7
27.5°	216.6	207.5	178.3	146.3	120.1	107.3	107.6	113.5	122.3	128.4	128.4
30°	258.4	248.8	208.2	164.4	129.5	113.7	114.8	122.6	131.3	137.4	137.4
32.5°	307.0	293.0	239.8	182.4	137.7	118.5	119.6	128.9	137.7	144.4	144.7
35°	356.1	336.9	268.3	197.0	144.7	122.6	123.0	134.1	143.6	151.1	151.9
37.5°	401.0	376.2	293.7	207.1	147.9	124.4	125.2	137.7	148.9	155.9	155.9
40°	433.0	401.8	305.9	209.6	148.7	125.0	127.4	140.2	148.7	151.9	150.6
42.5°	469.4	430.9	313.7	205.6	145.8	124.7	128.4	138.5	143.1	143.3	142.0
45°	520.1	470.2	327.9	202.1	140.4	124.1	127.1	134.6	135.9	133.6	131.8
47.5°	578.8	512.9	339.6	197.9	137.0	122.8	125.2	129.8	128.7	124.4	123.0
50°	645.0	567.0	354.3	192.6	134.3	121.2	123.4	126.3	125.0	120.4	119.3
52.5°	709.8	614.6	363.7	186.9	131.8	120.4	122.1	125.4	123.9	118.5	116.9
55°	777.9	662.8	365.8	177.3	130.0	120.4	122.3	125.9	124.1	118.5	116.9
57.5°	858.1	715.0	365.8	166.1	127.1	121.0	123.0	126.8	125.2	119.6	118.2
60°	923.2	752.0	358.1	156.1	123.6	121.0	123.4	127.4	127.1	123.0	122.3
62.5°	959.3	765.7	336.9	145.2	120.6	120.1	123.6	128.7	130.6	127.7	126.8
65°	978.5	761.2	312.4	134.3	118.0	118.5	123.6	129.5	132.4	130.8	129.8
67°	953.4	729.1	285.3	126.8	115.4	117.2	123.0	129.5	133.6	133.0	131.8
67.5°	940.8	716.3	277.6	125.4	114.5	116.9	122.8	129.5	133.6	133.6	132.4
70°	862.6	644.2	237.3	115.6	109.5	113.0	119.8	128.2	132.6	133.0	132.4
72.5°	729.1	529.7	196.0	106.3	103.0	107.1	115.6	124.1	128.4	127.9	127.4
75°	594.1	427.2	159.6	97.1	95.6	100.1	107.8	115.9	118.8	117.5	116.9
77.5°	470.5	333.2	130.8	88.4	88.1	92.1	98.3	104.2	105.8	103.4	103.0
80°	361.5	254.7	107.1	81.2	80.5	83.2	87.5	91.6	92.7	90.2	89.7
82.5°	276.9	193.1	88.9	73.2	72.8	74.6	77.5	80.1	82.0	79.5	78.7
85°	200.3	141.3	74.8	64.6	64.9	65.7	67.5	69.4	72.1	71.2	70.3
87.5°	139.7	102.4	63.6	56.6	56.6	57.2	58.2	60.1	63.6	63.3	62.2
90°	95.0	74.0	53.4	49.3	48.6	48.8	49.6	50.7	54.0	53.6	52.9
92.5°	63.6	52.6	43.2	40.9	40.5	40.9	40.9	41.6	43.2	42.5	41.6
95°	42.5	37.9	34.4	33.1	32.6	32.9	32.9	32.3	33.4	32.0	31.2
97.5°	30.5	28.5	27.8	26.7	25.9	26.1	26.1	25.6	25.9	24.0	23.5
100°	23.3	22.7	22.7	21.7	20.9	21.1	21.1	20.9	20.5	18.5	18.1
102.5°	18.5	18.1	18.5	17.6	16.8	17.4	17.1	16.8	16.3	14.4	14.2
105°	14.4	14.4	15.2	14.4	13.8	14.2	14.2	13.6	13.1	11.5	11.5
107.5°	11.3	11.5	12.2	11.8	11.5	11.8	11.5	10.9	10.2	9.1	9.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.8	9.4	10.2	9.9	9.7	9.9	9.4	8.8	7.9	7.4	7.4
112.5°	7.2	7.4	8.3	8.3	7.9	8.3	7.7	7.0	6.4	6.1	6.1
115°	5.9	6.4	7.0	7.0	7.0	7.0	6.4	5.6	5.0	5.0	5.0
117.5°	5.0	5.4	5.9	5.9	5.9	5.9	5.4	4.6	4.1	4.3	4.3
120°	4.3	4.6	5.0	5.0	5.0	5.0	4.6	3.8	3.2	3.5	3.5
122.5°	3.8	4.1	4.3	4.6	4.6	4.3	3.8	3.2	2.6	2.9	2.9
125°	3.5	3.8	3.8	4.1	3.8	3.8	3.2	2.6	2.4	2.6	2.6
127.5°	3.2	3.5	3.5	3.5	3.5	2.9	2.6	2.1	1.8	2.1	2.4
130°	2.9	3.2	3.2	2.9	2.6	2.4	2.1	1.8	1.6	1.8	2.1
132.5°	2.9	2.9	2.9	2.6	2.4	1.8	1.6	1.3	1.3	1.6	1.8
135°	2.4	2.4	2.4	2.1	1.6	1.3	1.1	1.1	1.1	1.3	1.3
137.5°	1.8	2.1	1.8	1.6	1.3	1.1	0.8	0.8	0.8	1.1	1.1
140°	1.6	1.6	1.6	1.3	1.1	0.5	0.2	0.2	0.5	0.5	0.8
142.5°	1.3	1.6	1.3	1.1	0.8	0.2	0.0	0.2	0.2	0.2	0.2
145°	1.3	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.2	0.0	0.0
147.5°	1.1	1.1	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.2	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)