

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: P266015

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1972.8 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - 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

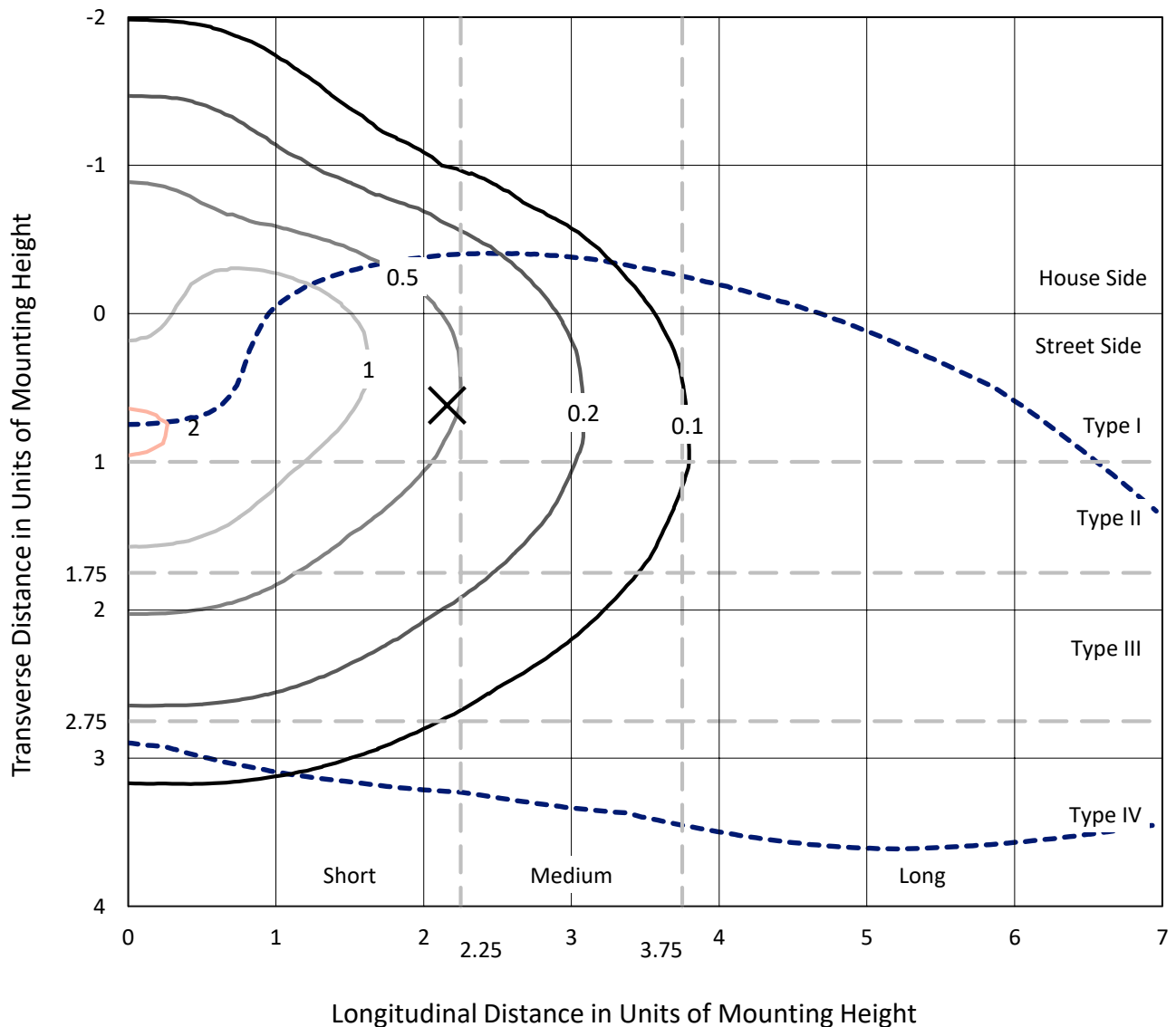


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

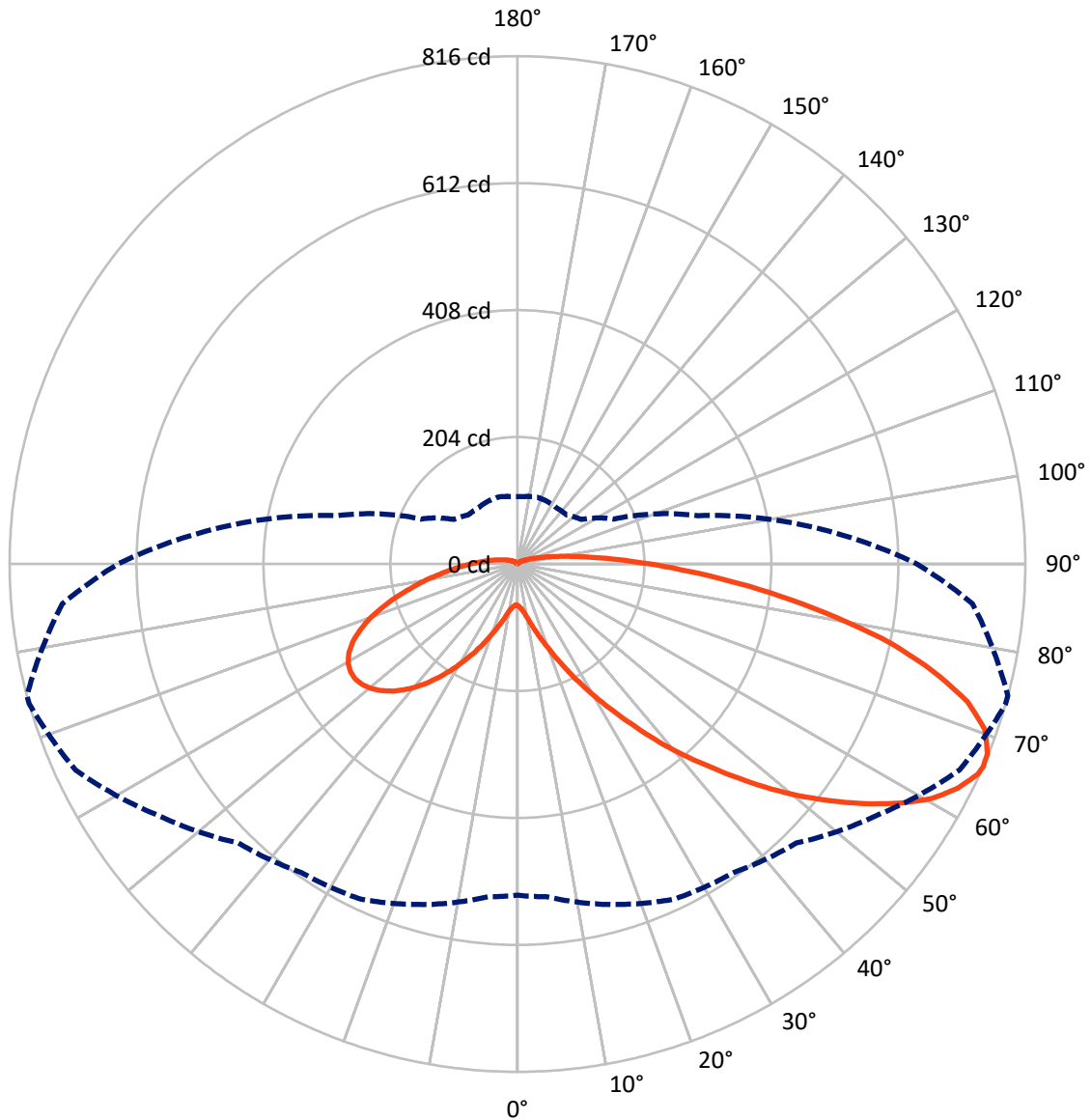


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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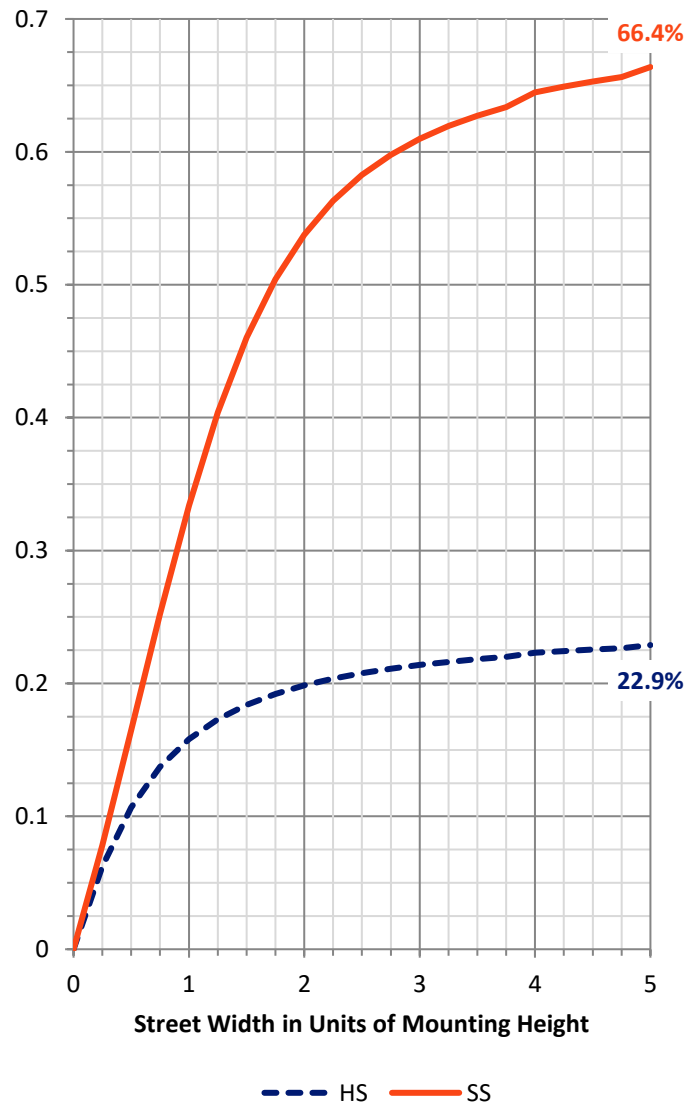
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	474.5	49.1	523.6
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	1365.1	84.1	1449.2
	% Fixture	69.2	4.3	73.5
Total	Lumens	1839.6	133.2	1972.8
	% Fixture	93.2	6.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.4
10°-20°	29.9	1.5
20°-30°	76.6	3.9
30°-40°	155.2	7.9
40°-50°	262.7	13.3
50°-60°	372.5	18.9
60°-70°	420.6	21.3
70°-80°	336.3	17.0
80°-90°	178.7	9.1
90°-100°	75.3	3.8
100°-110°	32.0	1.6
110°-120°	14.8	0.8
120°-130°	7.1	0.4
130°-140°	3.1	0.2
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1839.6	93.2
0°-180°	1972.8	100.0



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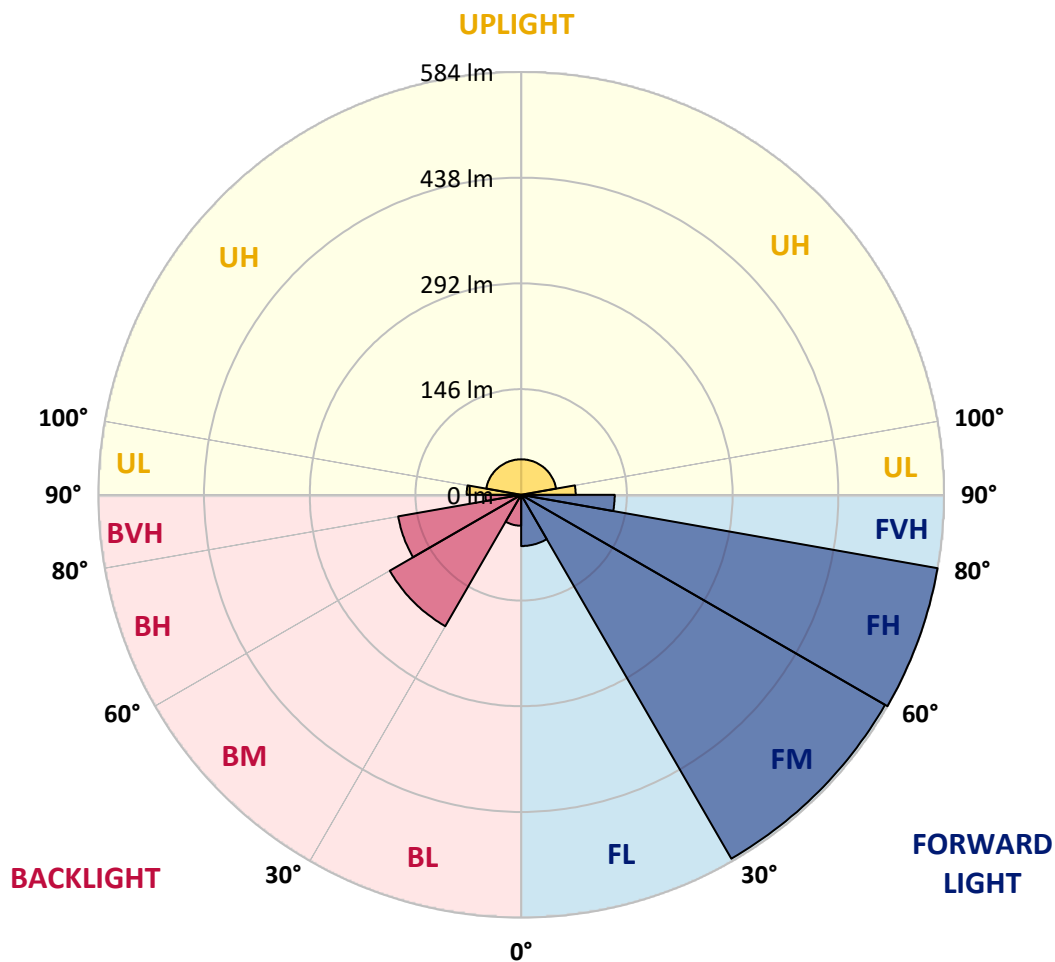
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.8	3.6			
FM	(30°-60°)	580.7	29.4			
FH	(60°-80°)	584.4	29.6			G0/660
FVH	(80°-90°)	129.3	6.6			G2/225
BL	(0°-30°)	42.8	2.2	B0/110		
BM	(30°-60°)	209.8	10.6	B0/220		
BH	(60°-80°)	172.6	8.7	B1/500		G1/500
BVH	(80°-90°)	49.4	2.5			G1/100
UL	(90°-100°)	75.3	3.8		U3/500	
UH	(100°-180°)	49.1	2.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2.5°	72.7	73.1	72.7	72.5	72.0	71.8	70.7	69.6	68.8	68.6	67.6
5°	80.0	80.8	80.3	79.6	79.0	78.0	76.4	74.6	73.1	72.9	71.0
7.5°	89.2	90.2	89.4	88.6	87.2	85.9	83.7	81.2	79.1	78.6	76.3
10°	102.1	101.9	101.0	99.5	97.8	96.4	93.8	90.2	87.6	87.0	83.7
12.5°	116.8	116.8	115.3	113.1	110.9	108.7	106.0	101.9	99.1	98.4	94.2
15°	133.3	134.0	132.0	129.4	126.1	123.0	120.6	116.3	112.9	112.2	107.2
17.5°	152.7	153.0	150.6	147.5	143.5	140.8	137.1	132.6	128.7	128.1	121.8
20°	175.0	174.8	171.9	167.7	163.3	160.6	156.0	151.1	146.8	146.2	138.9
22.5°	200.4	198.5	196.4	190.9	187.2	182.3	177.4	171.7	167.7	166.8	159.0
25°	229.0	226.4	224.1	217.0	211.7	205.7	200.7	195.7	192.2	190.9	181.5
27.5°	261.1	259.4	255.2	246.2	238.1	230.7	226.8	222.1	218.5	217.7	208.1
30°	297.1	293.0	288.4	277.7	266.6	256.6	252.8	250.8	248.2	247.3	236.4
32.5°	332.8	332.6	325.8	312.3	297.8	286.6	283.0	282.0	279.6	279.8	266.8
35°	375.0	374.9	366.4	349.6	331.7	317.7	315.3	316.6	315.8	315.6	300.9
37.5°	419.9	418.9	409.5	389.1	366.9	351.1	349.4	353.5	356.5	354.4	337.5
40°	466.1	466.8	454.2	430.2	404.1	386.0	385.2	394.4	397.8	395.7	375.5
42.5°	511.0	510.4	498.5	473.9	441.6	422.6	423.2	435.5	439.5	438.6	416.3
45°	554.4	554.0	543.1	514.4	480.4	459.5	463.0	477.9	485.9	485.9	459.3
47.5°	592.5	592.1	582.7	553.4	517.5	496.4	502.2	522.3	535.5	533.8	502.3
50°	623.8	623.0	616.4	589.6	552.6	532.5	542.3	568.5	584.5	581.1	546.4
52.5°	643.5	644.5	641.4	618.9	584.3	566.1	581.3	614.1	631.9	630.4	591.4
55°	653.2	653.6	657.5	640.0	609.8	595.8	618.2	658.0	679.7	678.0	634.6
57.5°	648.7	650.1	660.3	651.4	627.2	620.3	651.4	698.5	724.7	724.9	672.7
60°	629.4	633.2	649.1	651.4	635.9	636.2	678.6	734.5	764.5	762.8	704.4
62.5°	597.4	602.1	625.1	636.9	631.6	643.4	696.5	762.5	793.3	794.5	727.1
65°	552.9	557.5	585.3	608.8	615.1	639.2	704.5	780.3	812.8	812.6	735.0
66°	531.8	536.4	566.1	594.0	605.0	633.6	704.0	783.0	815.5	815.3	733.7
67.5°	497.1	502.2	533.1	566.9	585.1	620.8	698.5	781.4	814.0	813.7	725.8
70°	432.9	438.6	473.0	510.4	541.0	588.0	676.5	765.1	796.3	793.9	696.5
72.5°	365.7	371.7	406.3	446.0	488.9	544.6	636.9	727.5	755.6	752.5	647.7
75°	299.9	305.8	339.7	380.3	426.9	487.5	581.3	668.1	690.3	690.1	581.7
77.5°	240.0	245.1	275.5	315.8	362.7	424.2	512.9	596.1	614.4	609.5	503.3
80°	188.3	193.0	219.1	255.4	301.2	358.6	438.2	509.1	519.0	516.0	420.5
82.5°	146.1	150.3	173.2	204.5	245.7	296.1	359.4	421.3	425.8	422.7	340.5
85°	112.9	116.8	136.3	163.3	198.3	240.0	290.6	334.4	338.8	336.7	269.0
87.5°	87.6	90.2	106.4	129.3	158.7	192.5	230.4	264.2	262.6	260.4	208.1
90°	67.6	70.2	83.7	102.6	126.8	153.3	181.1	203.8	200.7	198.3	159.7
92.5°	52.6	54.4	66.1	82.0	101.7	121.8	141.5	156.0	152.1	150.3	121.8
95°	41.5	42.8	52.3	67.0	82.0	97.3	110.9	121.1	115.2	113.6	92.7
97.5°	33.3	34.2	42.2	54.0	66.7	78.4	87.6	91.8	87.2	86.1	70.7
100°	27.4	27.8	34.6	43.8	54.2	63.8	69.6	71.4	66.7	65.7	54.0
102.5°	22.5	23.0	28.6	36.9	45.0	51.8	55.3	56.7	50.7	49.9	41.7
105°	19.0	19.1	23.7	31.3	37.9	42.7	45.0	43.8	39.0	38.4	32.6
107.5°	16.3	16.6	19.9	26.6	32.1	35.8	37.2	35.6	30.5	29.7	25.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	14.2	14.2	17.0	22.5	27.4	30.5	30.9	28.2	24.0	23.4	20.7
112.5°	12.4	12.4	14.8	19.5	23.4	26.0	26.0	23.0	19.0	18.8	16.8
115°	11.3	11.3	12.9	16.8	20.4	22.3	21.7	18.8	15.4	15.1	14.0
117.5°	10.2	10.2	11.3	14.5	17.4	19.1	18.4	15.4	12.4	12.2	11.8
120°	9.2	9.2	10.2	12.2	15.1	16.3	15.6	12.7	10.3	10.2	9.8
122.5°	8.4	8.4	8.9	10.8	12.9	14.0	13.1	10.5	8.7	8.7	8.4
125°	7.6	7.6	8.2	9.3	11.0	11.9	11.0	8.7	7.1	7.1	7.5
127.5°	7.1	7.1	7.5	8.2	9.6	10.2	9.2	7.1	6.3	6.3	6.5
130°	6.5	6.5	6.6	7.1	7.9	8.4	7.5	6.0	5.5	5.3	5.5
132.5°	6.0	6.0	6.0	6.3	6.5	6.6	6.0	4.9	4.5	4.5	4.9
135°	5.3	5.5	5.3	5.3	5.3	5.3	4.5	3.9	3.9	3.9	4.1
137.5°	4.9	4.9	4.5	4.3	4.3	4.1	3.7	3.1	3.1	3.1	3.4
140°	4.1	4.1	4.1	3.7	3.1	2.9	2.3	2.3	2.6	2.6	2.9
142.5°	3.4	3.4	3.1	2.9	2.2	1.9	1.6	1.6	1.9	1.9	2.2
145°	2.6	2.6	2.3	1.9	1.4	1.0	1.0	1.0	1.2	1.2	1.4
147.5°	1.9	1.9	1.6	1.2	0.7	0.4	0.4	0.7	1.0	1.0	1.2
150°	1.2	1.2	1.0	0.7	0.2	0.0	0.2	0.4	0.7	0.7	1.0
152.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.2	0.4	0.4	0.7
155°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
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	0.2
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°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2.5°	67.2	66.7	65.7	64.9	64.0	63.5	63.3	62.8	62.6	62.3	62.3
5°	70.0	69.1	67.5	65.7	64.3	62.8	62.2	61.4	60.6	60.1	60.1
7.5°	74.7	73.4	70.7	68.1	65.7	63.8	62.3	61.4	60.5	59.9	59.6
10°	81.6	79.6	75.9	72.5	69.1	66.1	64.3	63.2	62.2	61.4	61.2
12.5°	92.0	89.2	83.9	78.6	73.4	70.2	67.6	67.0	66.5	65.9	66.5
15°	104.4	100.7	94.2	87.2	80.8	75.7	73.7	73.1	72.7	72.5	72.5
17.5°	117.9	114.2	105.6	96.4	88.6	83.5	80.3	79.4	78.6	78.4	78.2
20°	134.6	129.4	118.4	106.7	97.3	91.8	87.6	85.9	85.1	85.1	85.1
22.5°	153.7	147.1	133.3	117.9	107.2	99.5	95.0	92.3	91.8	92.0	91.8
25°	175.3	167.2	149.7	130.8	116.5	107.0	101.1	98.9	98.1	98.5	98.5
27.5°	199.8	190.4	167.2	144.1	125.5	113.5	107.0	104.8	104.1	104.8	104.8
30°	225.5	214.9	185.4	156.8	133.0	118.7	111.5	109.9	109.1	109.9	110.0
32.5°	256.0	240.2	204.5	169.1	140.2	123.0	115.3	113.8	113.1	114.2	114.2
35°	287.7	268.4	223.7	180.3	146.1	126.1	117.9	116.8	116.3	117.3	117.3
37.5°	319.8	298.7	243.4	190.4	150.3	128.3	120.0	118.9	118.7	118.7	118.9
40°	355.1	328.8	262.0	198.5	153.5	129.4	121.1	120.0	119.7	119.5	119.5
42.5°	391.7	357.7	278.8	204.8	154.9	129.7	121.1	120.4	120.2	119.1	118.9
45°	429.0	388.6	294.7	209.0	155.3	129.3	120.8	120.2	120.0	118.1	117.9
47.5°	467.1	418.4	307.7	211.0	154.1	128.3	120.2	119.5	118.9	116.3	116.3
50°	504.8	447.6	318.7	211.2	152.3	126.7	119.1	118.9	117.9	114.9	114.4
52.5°	541.7	475.3	326.9	209.6	149.2	125.0	118.1	118.1	117.0	113.6	113.1
55°	576.4	499.9	331.7	205.7	145.5	122.8	117.0	117.3	116.1	112.5	112.0
57.5°	606.6	520.4	332.4	200.1	141.5	120.6	115.8	116.3	115.6	111.5	111.0
60°	630.9	533.4	329.0	193.0	136.7	117.9	114.4	115.3	114.7	110.9	110.5
62.5°	644.1	538.4	320.5	184.4	132.0	115.6	112.5	114.2	113.6	109.9	109.7
65°	645.1	532.1	306.7	174.6	126.8	112.6	110.9	112.2	112.2	108.9	108.7
66°	641.4	525.9	299.8	170.8	124.7	111.5	109.9	111.5	111.7	108.7	108.2
67.5°	630.3	512.9	287.7	164.0	121.4	109.7	108.2	110.0	110.3	107.6	107.0
70°	598.8	481.2	265.9	153.0	115.8	105.7	105.0	107.0	107.4	105.3	104.6
72.5°	550.5	439.8	240.2	141.0	109.7	101.4	101.1	103.1	103.6	101.7	101.0
75°	489.7	385.4	212.0	129.3	102.9	96.7	96.4	97.8	98.5	97.0	95.8
77.5°	420.0	329.5	184.2	117.3	96.2	91.1	91.1	92.3	92.5	91.1	89.9
80°	348.9	274.3	159.0	105.3	89.2	84.9	84.9	85.3	85.6	84.3	82.7
82.5°	282.0	223.7	134.7	93.8	81.2	78.0	77.8	77.8	77.4	76.3	74.6
85°	223.0	179.7	112.6	83.0	73.7	71.0	70.2	69.6	69.1	67.6	66.1
87.5°	174.4	142.9	95.0	72.9	65.9	63.8	62.8	61.9	60.6	59.0	57.0
90°	135.5	113.1	79.1	63.5	58.3	56.4	54.8	53.4	52.0	50.1	49.1
92.5°	105.0	89.4	66.1	54.6	51.1	49.6	48.1	46.4	44.3	42.4	41.5
95°	81.7	71.2	54.8	47.3	44.6	43.4	42.0	39.9	37.4	35.6	34.8
97.5°	63.8	56.7	45.9	40.8	39.0	37.6	36.2	34.0	31.4	29.3	28.7
100°	49.6	45.0	38.4	35.3	33.7	32.9	31.4	29.3	26.1	24.0	23.7
102.5°	39.3	36.2	32.1	30.5	29.6	28.6	27.0	25.0	21.7	19.5	19.5
105°	31.3	29.3	27.0	26.1	25.4	24.8	23.3	21.1	17.7	15.8	15.8
107.5°	25.2	23.7	22.7	22.3	22.1	21.3	20.1	17.7	14.6	12.9	12.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.4	19.7	19.1	19.1	19.0	18.8	17.2	14.8	11.9	10.5	10.8
112.5°	16.8	16.3	16.3	16.6	16.6	16.1	14.6	12.4	9.8	8.9	8.9
115°	14.0	13.7	14.0	14.2	14.5	14.0	12.4	10.3	7.9	7.5	7.5
117.5°	11.8	11.8	11.9	12.2	12.2	11.8	10.5	8.7	6.5	6.3	6.3
120°	10.2	10.2	10.2	10.3	10.5	10.2	8.9	6.9	5.3	5.3	5.3
122.5°	8.7	8.7	8.7	8.9	8.9	8.7	7.5	5.7	4.5	4.5	4.5
125°	7.5	7.5	7.5	7.6	7.6	7.1	6.0	4.9	3.9	3.9	3.9
127.5°	6.5	6.5	6.5	6.5	6.5	6.0	5.0	3.9	3.1	3.4	3.4
130°	5.7	5.7	5.5	5.5	5.3	5.0	4.1	3.1	2.6	2.9	2.9
132.5°	4.9	5.0	4.9	4.5	4.3	3.9	3.1	2.3	2.2	2.3	2.3
135°	4.1	4.3	4.1	3.7	3.4	3.1	2.3	1.9	1.9	1.9	1.9
137.5°	3.7	3.7	3.4	2.9	2.6	2.2	1.6	1.4	1.4	1.6	1.6
140°	2.9	2.9	2.6	2.2	1.9	1.4	1.0	1.0	1.2	1.2	1.2
142.5°	2.2	2.2	1.9	1.4	1.0	0.7	0.4	0.4	0.7	1.0	1.0
145°	1.4	1.4	1.4	1.0	0.7	0.2	0.0	0.2	0.4	0.4	0.4
147.5°	1.2	1.2	1.0	0.7	0.2	0.0	0.0	0.0	0.2	0.2	0.2
150°	1.0	1.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	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°	0.2	0.2	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)