

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: P266050

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-T4W-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2759 lumens
Efficiency: N/A
Efficacy: 89.0 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): 31
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

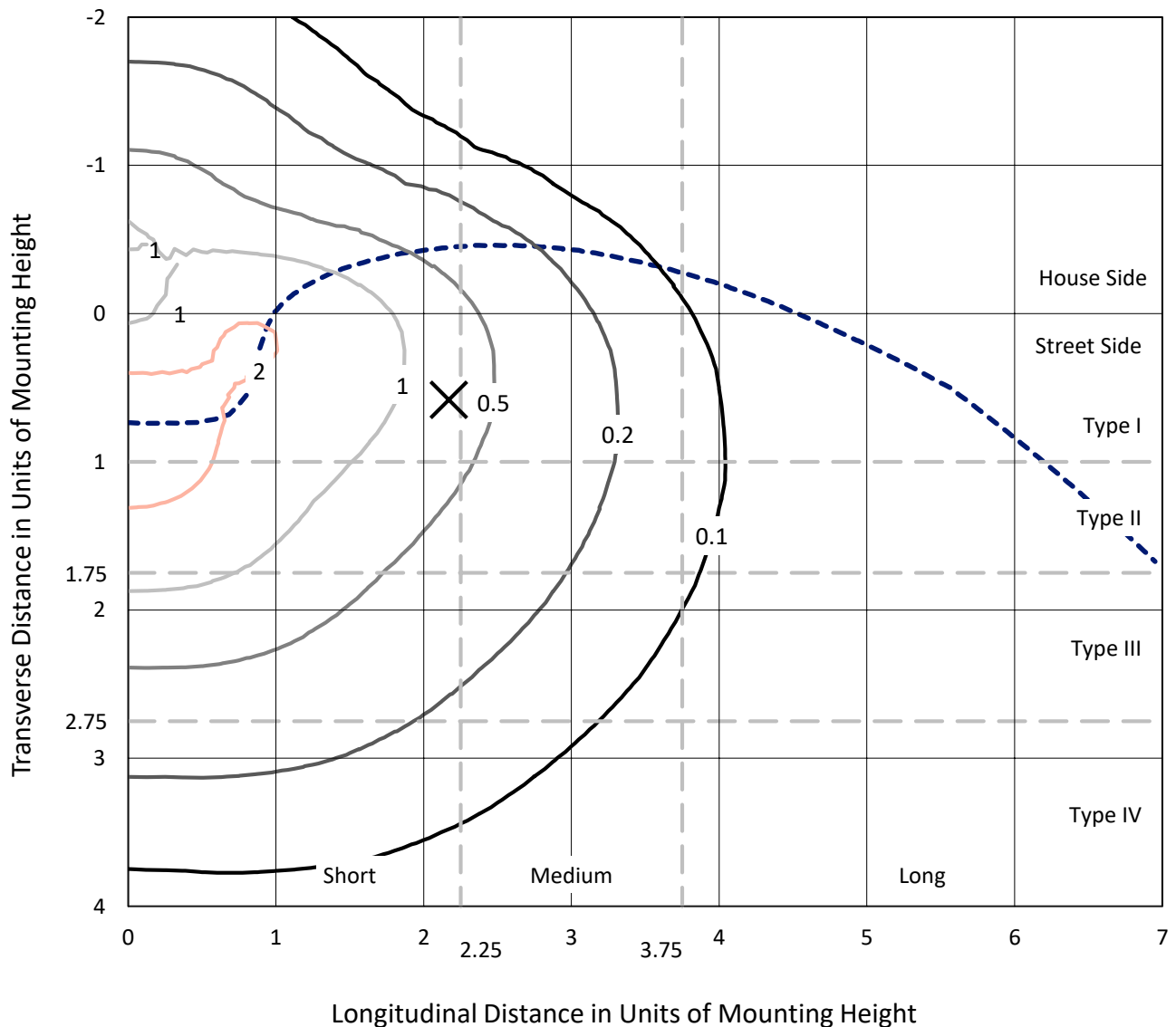


REPORT NUMBER: P266050

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-FL-7027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

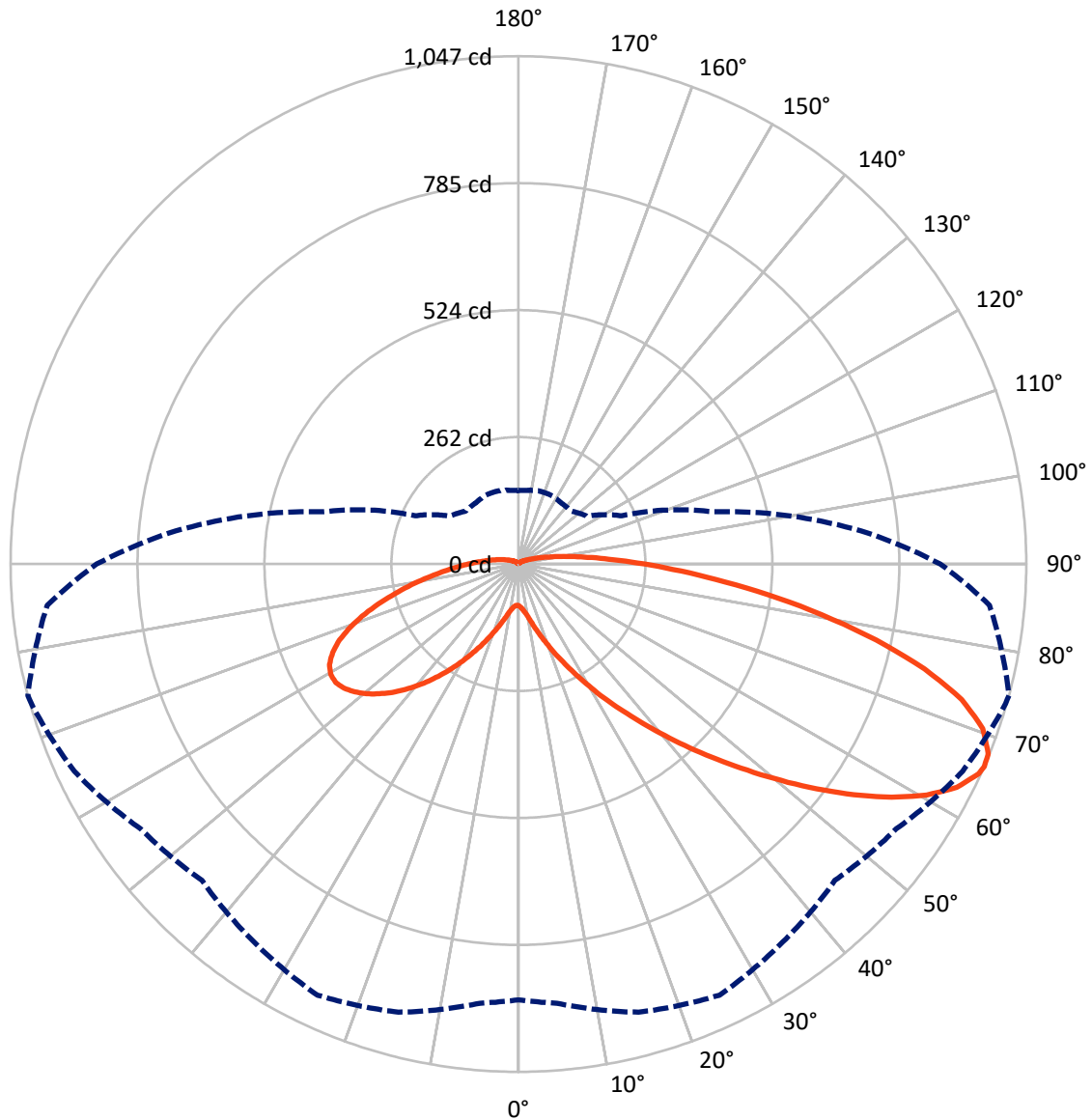


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P266050

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-FL-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P266050

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-FL-7027

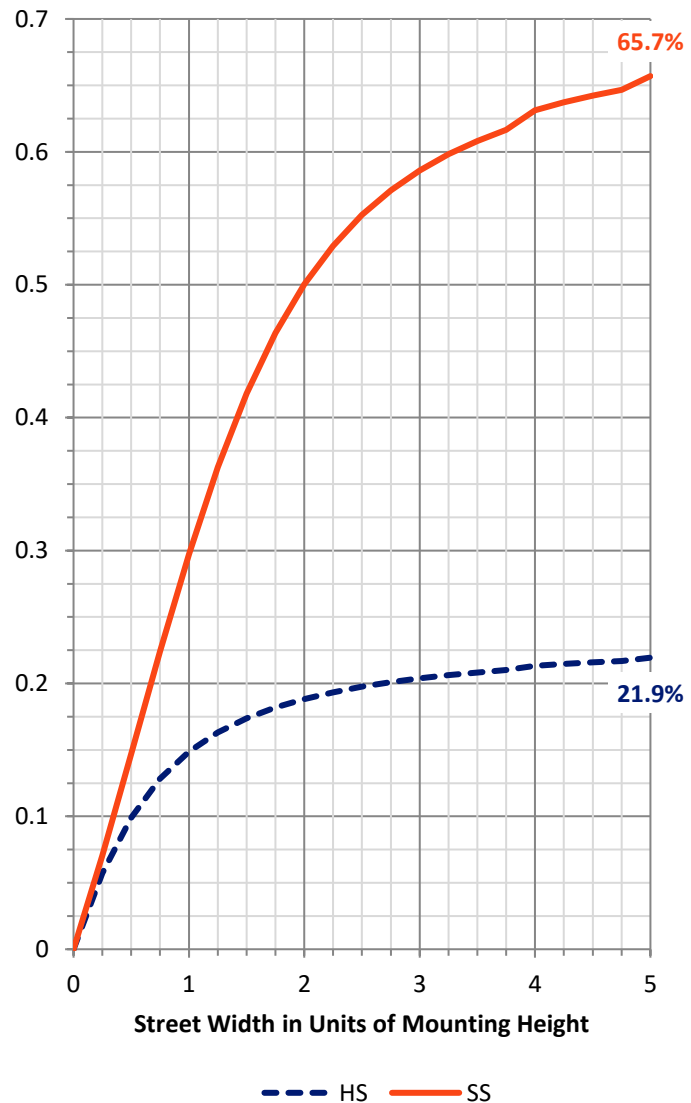
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.3	68.9	708.2
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	1917.1	133.6	2050.7
	% Fixture	69.5	4.8	74.3
Total	Lumens	2556.4	202.5	2759.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.3
10°-20°	38.2	1.4
20°-30°	96.7	3.5
30°-40°	193.4	7.0
40°-50°	328.9	11.9
50°-60°	489.3	17.7
60°-70°	600.8	21.8
70°-80°	516.7	18.7
80°-90°	283.3	10.3
90°-100°	118.2	4.3
100°-110°	48.3	1.8
110°-120°	21.3	0.8
120°-130°	9.7	0.4
130°-140°	4.0	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2556.4	92.7
0°-180°	2759.0	100.0

Coefficient of Utilization



REPORT NUMBER: P266050

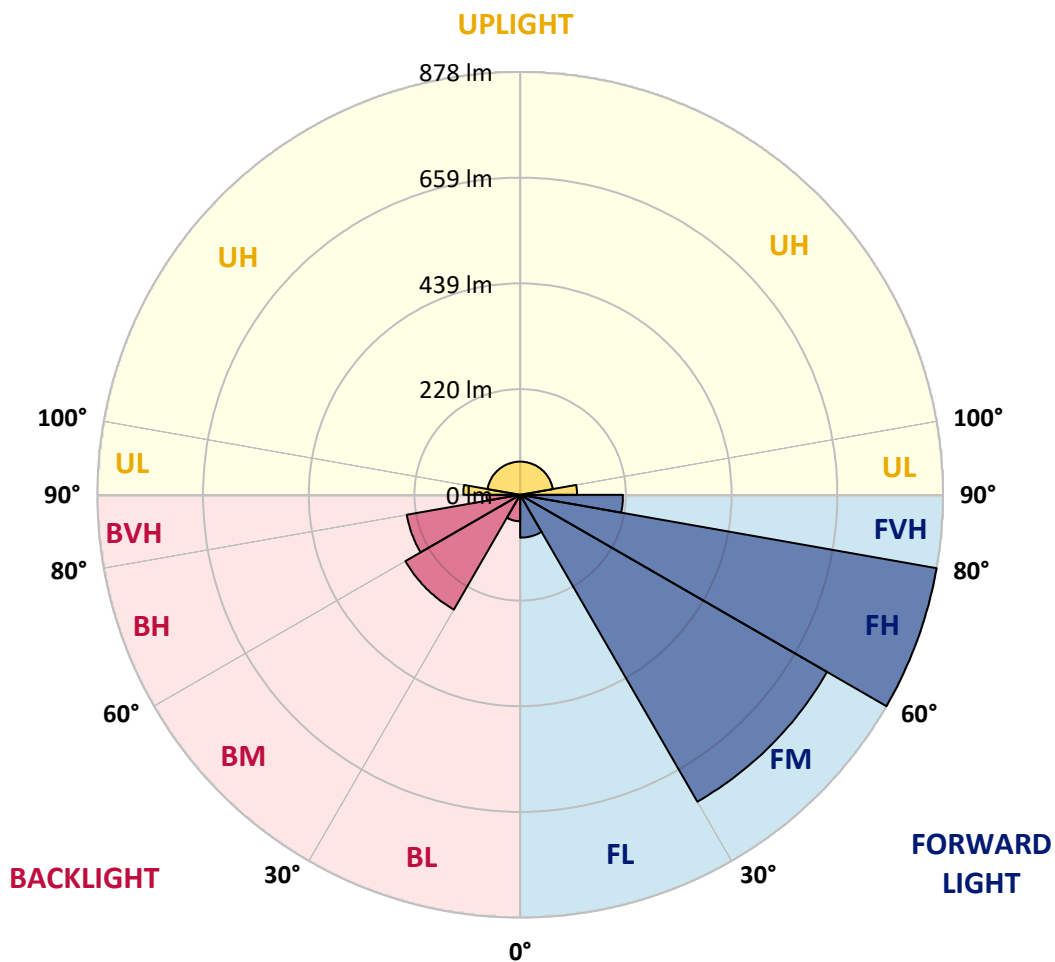
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.0	3.2			
FM (30°-60°)	736.2	26.7			
FH (60°-80°)	878.4	31.8			G1/1800
FVH (80°-90°)	213.4	7.7			G2/225
BL (0°-30°)	55.0	2.0	B0/110		
BM (30°-60°)	275.4	10.0	B1/1000		
BH (60°-80°)	239.1	8.7	B1/500		G1/500
BVH (80°-90°)	69.8	2.5			G1/100
UL (90°-100°)	118.2	4.3		U3/500	
UH (100°-180°)	68.9	2.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P266050

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2.5°	95.0	95.0	94.5	94.5	93.6	92.5	91.8	90.2	89.1	89.1	87.9
5°	104.9	104.9	104.7	103.9	102.5	100.9	99.0	96.6	94.5	94.2	91.8
7.5°	117.4	117.4	116.7	115.4	113.4	111.0	108.3	104.9	102.0	101.2	97.8
10°	132.9	132.9	132.0	129.8	127.2	124.1	120.5	115.7	111.7	111.4	106.7
12.5°	152.4	151.4	150.7	147.3	143.6	139.6	135.3	129.5	125.6	125.6	119.0
15°	174.6	174.6	171.9	167.5	162.9	157.5	152.7	147.1	142.3	141.9	134.6
17.5°	199.2	198.9	195.8	190.4	184.1	178.7	172.6	166.1	160.7	160.7	152.1
20°	227.5	226.7	222.7	215.7	207.9	201.8	195.1	187.7	181.9	181.9	172.2
22.5°	259.7	258.4	253.3	243.6	235.9	227.1	219.4	211.9	205.9	206.6	195.6
25°	296.0	294.4	287.9	275.5	264.5	254.0	246.2	238.5	234.2	232.5	223.4
27.5°	337.1	333.7	326.7	310.9	295.1	282.2	274.3	268.5	264.5	263.1	252.7
30°	382.1	378.8	369.1	349.3	328.3	312.3	304.4	300.2	298.1	296.4	286.0
32.5°	433.6	430.0	416.5	391.7	364.7	344.5	337.1	335.1	335.1	333.7	323.3
35°	489.4	484.7	468.6	437.4	403.3	379.2	372.1	373.1	373.4	372.3	363.6
37.5°	549.0	544.1	524.8	487.5	445.1	416.2	409.1	413.8	420.5	416.9	407.7
40°	610.3	605.5	585.1	539.6	488.8	454.8	447.7	457.1	467.9	465.0	454.8
42.5°	671.2	669.1	643.2	594.8	535.6	495.5	490.6	504.9	519.8	517.8	506.6
45°	737.5	731.4	706.2	652.0	585.8	542.7	536.9	556.4	576.6	574.6	563.4
47.5°	796.9	791.2	767.4	709.8	636.2	589.4	585.8	611.9	637.5	635.2	624.1
50°	847.1	846.5	826.3	766.8	689.3	638.2	637.8	670.9	702.1	701.4	687.4
52.5°	895.3	894.3	875.7	821.9	742.4	687.4	690.0	733.0	770.3	770.3	751.6
55°	932.3	931.9	921.1	874.4	795.0	741.8	749.5	796.9	839.7	839.7	821.0
57.5°	958.1	957.9	956.4	920.9	845.5	793.7	805.7	859.9	906.3	907.4	882.5
60°	964.2	967.3	980.7	958.1	890.5	840.8	857.3	917.8	965.6	967.3	933.2
62.5°	953.5	958.1	985.4	980.7	924.9	883.2	903.7	965.9	1012.0	1014.6	968.0
65°	917.8	927.5	969.2	984.7	946.4	914.0	941.3	1000.8	1039.2	1042.9	979.1
66°	898.6	909.1	956.8	980.9	951.0	922.7	951.5	1010.7	1045.0	1047.3	975.3
67.5°	862.3	872.8	929.1	966.5	951.0	931.3	959.7	1017.3	1043.9	1045.0	962.2
70°	784.2	800.4	863.6	921.5	931.5	926.8	959.5	1007.3	1019.3	1016.1	912.0
72.5°	698.4	707.5	776.9	855.5	889.5	898.6	935.9	969.2	961.1	956.2	836.7
75°	585.8	598.8	674.5	764.4	816.2	844.0	884.1	895.9	875.7	865.0	737.5
77.5°	489.1	494.5	565.3	657.4	725.7	763.6	801.4	805.2	763.4	754.2	622.0
80°	388.8	394.3	459.3	547.6	621.6	671.8	704.8	695.1	642.6	633.8	514.4
82.5°	303.7	311.3	360.9	445.4	517.1	570.0	595.1	579.3	529.6	517.1	409.7
85°	233.1	236.9	283.2	356.0	419.1	467.3	488.1	470.6	417.2	407.4	322.0
87.5°	177.7	181.4	220.8	277.8	333.7	374.8	390.9	368.8	325.4	318.9	250.0
90°	135.6	138.2	169.6	218.6	261.8	295.7	306.9	289.3	250.6	244.9	192.4
92.5°	103.9	106.3	130.6	169.6	204.9	233.7	238.5	222.1	192.1	187.0	148.0
95°	79.7	82.5	102.0	132.6	160.2	181.9	185.4	171.2	147.3	143.3	114.1
97.5°	62.6	63.6	80.0	104.9	127.5	142.7	144.0	133.2	112.6	110.0	87.9
100°	50.1	50.8	63.6	83.2	101.6	112.6	113.4	102.2	86.4	84.4	67.4
102.5°	40.8	41.4	51.2	67.0	80.8	89.8	89.6	80.8	67.0	64.3	52.6
105°	33.6	34.0	41.7	54.4	65.5	71.7	71.3	62.9	51.5	49.8	41.1
107.5°	28.2	28.6	34.3	44.3	53.8	58.8	57.9	49.4	40.1	39.0	32.6



REPORT NUMBER: P266050

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	23.9	24.3	28.6	37.0	45.5	48.8	47.4	39.3	31.6	30.3	26.2
112.5°	20.9	20.9	24.3	30.9	38.0	41.1	39.0	32.0	25.0	24.3	21.5
115°	18.1	18.5	20.9	26.2	32.2	34.3	32.2	25.6	20.2	19.6	17.8
117.5°	16.2	16.2	18.1	22.2	27.3	28.6	26.6	20.9	16.4	16.2	15.1
120°	14.5	14.5	15.8	18.9	22.8	24.3	22.2	17.2	13.5	13.1	12.8
122.5°	13.1	13.1	13.8	16.2	19.6	20.2	18.1	14.2	11.5	11.0	11.0
125°	11.8	11.8	12.0	13.8	16.4	17.2	15.1	11.5	9.7	9.4	9.4
127.5°	10.8	10.8	10.8	12.0	13.5	14.2	12.4	9.4	8.1	8.1	8.4
130°	9.7	9.7	9.7	10.2	11.0	11.5	10.2	7.7	7.0	7.0	7.0
132.5°	8.8	8.8	8.4	8.8	9.2	9.2	7.7	6.4	6.1	6.1	6.4
135°	7.7	7.7	7.4	7.4	7.4	7.0	6.1	5.0	5.0	5.0	5.4
137.5°	6.7	6.7	6.4	6.1	5.7	5.0	4.4	4.0	4.0	4.0	4.4
140°	5.7	5.7	5.4	4.8	4.0	3.8	3.1	3.1	3.4	3.4	3.4
142.5°	4.4	4.4	4.0	3.8	3.1	2.3	2.1	2.1	2.3	2.3	2.6
145°	3.4	3.4	3.1	2.3	1.6	1.3	1.0	1.3	1.6	1.6	2.1
147.5°	2.3	2.3	2.1	1.6	1.0	0.3	0.7	1.0	1.3	1.3	1.6
150°	1.3	1.3	1.0	0.7	0.0	0.0	0.3	0.7	1.0	1.0	1.0
152.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
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	0.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2.5°	87.1	86.4	85.1	84.1	82.7	82.0	81.4	80.8	80.4	79.7	79.7
5°	90.2	89.1	86.7	84.8	82.5	80.8	79.1	78.1	77.3	77.1	77.1
7.5°	95.8	94.2	90.5	87.5	84.1	82.0	80.0	78.1	77.1	76.7	76.7
10°	103.9	102.0	96.8	92.5	88.2	85.1	83.2	80.8	79.7	79.1	79.1
12.5°	115.7	112.4	106.3	99.9	94.2	90.5	87.9	86.1	86.1	86.7	86.4
15°	130.6	126.8	118.0	110.0	102.2	97.2	95.5	95.2	95.2	95.5	95.5
17.5°	146.7	141.7	131.5	121.1	112.0	107.0	104.9	104.4	104.4	104.7	105.3
20°	166.1	159.8	147.1	133.6	123.7	117.8	114.8	113.7	114.4	115.7	115.7
22.5°	188.7	181.6	164.5	147.3	136.0	128.2	124.4	123.4	124.9	126.5	126.8
25°	214.7	205.3	183.8	162.6	147.7	137.9	134.2	132.9	134.9	136.9	137.9
27.5°	243.3	231.1	204.5	177.7	158.1	146.3	142.3	141.9	144.6	147.3	148.4
30°	274.8	260.1	226.7	193.4	168.9	153.7	149.4	150.3	153.4	156.8	157.5
32.5°	309.8	292.4	250.0	208.9	177.2	159.4	154.4	156.8	160.4	164.8	165.5
35°	347.9	326.7	274.5	223.4	184.7	163.9	158.8	161.9	165.8	170.6	171.2
37.5°	389.2	363.4	299.0	236.2	190.4	166.5	161.2	164.8	169.6	173.9	174.6
40°	432.4	401.4	323.6	247.7	194.5	168.3	162.1	166.1	170.9	174.4	174.9
42.5°	481.1	442.3	347.6	256.6	196.8	168.5	162.1	165.8	170.6	173.0	173.3
45°	533.0	485.9	371.1	264.1	197.8	168.3	161.2	165.2	168.9	169.9	170.1
47.5°	586.8	530.2	392.3	268.5	197.8	166.8	159.8	162.9	165.8	165.5	165.8
50°	646.6	576.6	412.1	271.2	196.5	165.2	158.5	160.7	162.9	161.2	161.4
52.5°	703.2	622.7	428.2	272.1	194.2	163.1	157.2	159.1	160.2	157.8	157.8
55°	759.2	666.2	441.3	270.1	191.1	161.4	156.0	158.1	158.1	155.0	155.0
57.5°	811.4	703.2	448.9	266.1	187.3	160.2	155.4	157.5	157.5	153.4	153.4
60°	851.9	729.8	449.2	259.7	183.1	158.5	155.0	157.5	157.2	153.2	152.7
62.5°	876.3	741.6	441.3	250.6	178.7	156.8	154.8	157.2	157.2	152.7	152.4
65°	876.3	733.7	424.5	239.8	173.6	154.8	154.1	157.2	156.5	152.4	151.8
66°	869.6	725.3	415.5	235.1	171.9	154.1	153.7	157.2	156.5	152.4	151.4
67.5°	851.1	705.2	400.6	227.5	167.9	152.4	153.2	156.0	155.8	151.4	150.7
70°	797.3	653.0	368.8	213.6	161.9	149.4	151.1	153.7	153.4	149.4	148.0
72.5°	718.3	584.3	332.5	198.9	155.0	145.3	147.3	150.0	149.4	146.1	144.6
75°	625.1	506.6	293.0	183.1	147.1	140.0	142.3	144.6	144.0	140.9	139.0
77.5°	524.5	426.5	254.0	166.5	138.6	133.2	135.6	137.9	136.6	133.8	132.6
80°	425.8	349.3	217.0	150.0	128.8	125.6	127.9	128.5	127.5	125.1	123.4
82.5°	339.7	280.9	181.9	133.8	118.4	116.4	118.0	118.0	117.0	114.8	113.0
85°	266.7	224.0	153.2	117.8	107.9	106.7	107.6	106.7	105.3	102.9	101.6
87.5°	210.3	179.7	128.2	103.7	96.6	96.2	96.6	94.2	92.9	90.8	89.6
90°	164.2	140.9	107.0	90.2	86.1	85.8	85.1	82.7	79.7	77.8	76.7
92.5°	128.2	113.4	88.5	77.1	75.0	74.6	73.8	70.6	68.6	65.9	64.9
95°	101.6	90.5	73.3	66.7	65.5	65.2	63.9	60.5	57.9	55.2	54.4
97.5°	79.7	71.7	61.3	57.2	56.9	56.6	54.8	51.2	48.1	45.5	45.0
100°	62.6	57.5	51.2	49.0	49.0	48.8	47.2	43.4	39.6	37.0	36.7
102.5°	49.8	46.4	42.7	42.0	42.0	41.7	40.1	37.0	32.6	29.6	29.6
105°	39.6	37.6	35.7	36.0	36.3	36.0	34.3	30.6	26.2	23.9	23.9
107.5°	32.0	30.6	30.0	30.6	30.9	30.9	29.3	25.2	21.2	19.1	19.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.0	25.2	25.2	26.0	26.6	26.6	24.6	21.2	17.2	15.5	15.5
112.5°	21.2	20.9	21.2	22.5	22.8	22.5	20.9	17.4	13.8	12.8	12.8
115°	17.8	17.8	18.1	19.1	19.9	19.1	17.4	14.2	11.0	10.4	10.4
117.5°	15.1	15.1	15.5	16.4	16.8	16.2	14.5	11.5	9.2	8.8	8.8
120°	12.8	12.8	13.1	13.8	14.2	13.5	11.8	9.4	7.4	7.0	7.4
122.5°	11.0	11.0	11.5	11.8	12.0	11.5	9.7	7.4	6.1	6.1	6.1
125°	9.7	9.7	9.7	10.2	10.2	9.4	8.1	6.1	4.8	5.0	5.0
127.5°	8.4	8.4	8.4	8.4	8.4	7.7	6.4	4.8	4.0	4.4	4.4
130°	7.4	7.4	7.0	7.0	6.7	6.4	5.0	3.8	3.4	3.8	3.8
132.5°	6.4	6.4	6.1	5.7	5.4	5.0	4.0	2.6	2.6	3.1	3.1
135°	5.4	5.4	5.0	4.8	4.4	3.8	2.6	2.1	2.1	2.3	2.3
137.5°	4.4	4.4	4.0	3.8	3.1	2.6	2.1	1.3	1.6	2.1	2.1
140°	3.4	3.4	3.1	2.6	2.1	1.3	1.0	1.0	1.0	1.3	1.3
142.5°	2.6	2.6	2.3	1.6	1.0	0.7	0.3	0.3	0.7	1.0	1.0
145°	2.1	2.1	1.6	1.3	0.7	0.3	0.0	0.0	0.3	0.3	0.3
147.5°	1.6	1.3	1.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	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°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.3	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)