

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: P266044

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266044
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-AF24-30-D-U-T3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA 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: 2767.8 lumens
Efficiency: N/A
Efficacy: 89.3 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

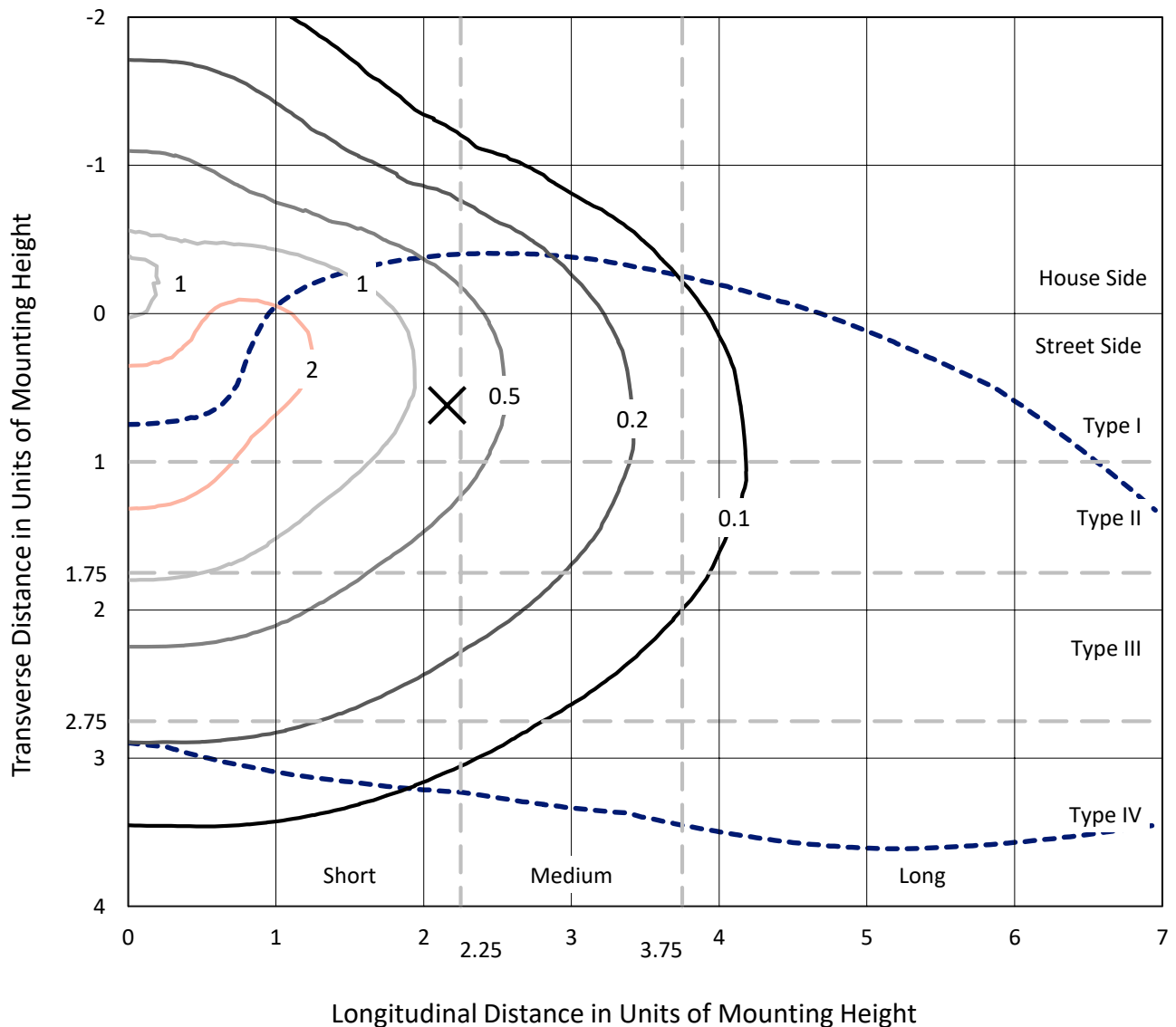


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

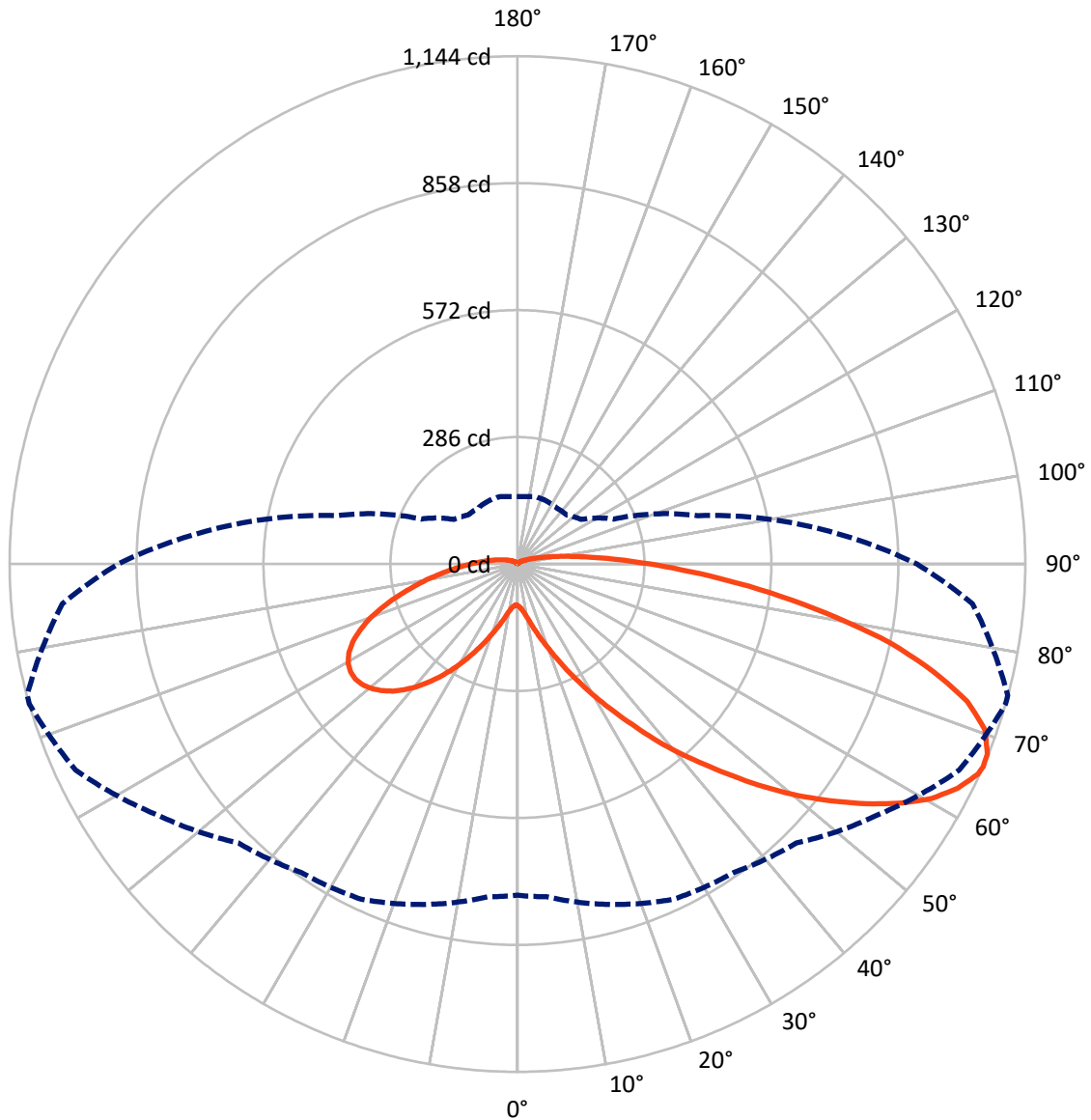


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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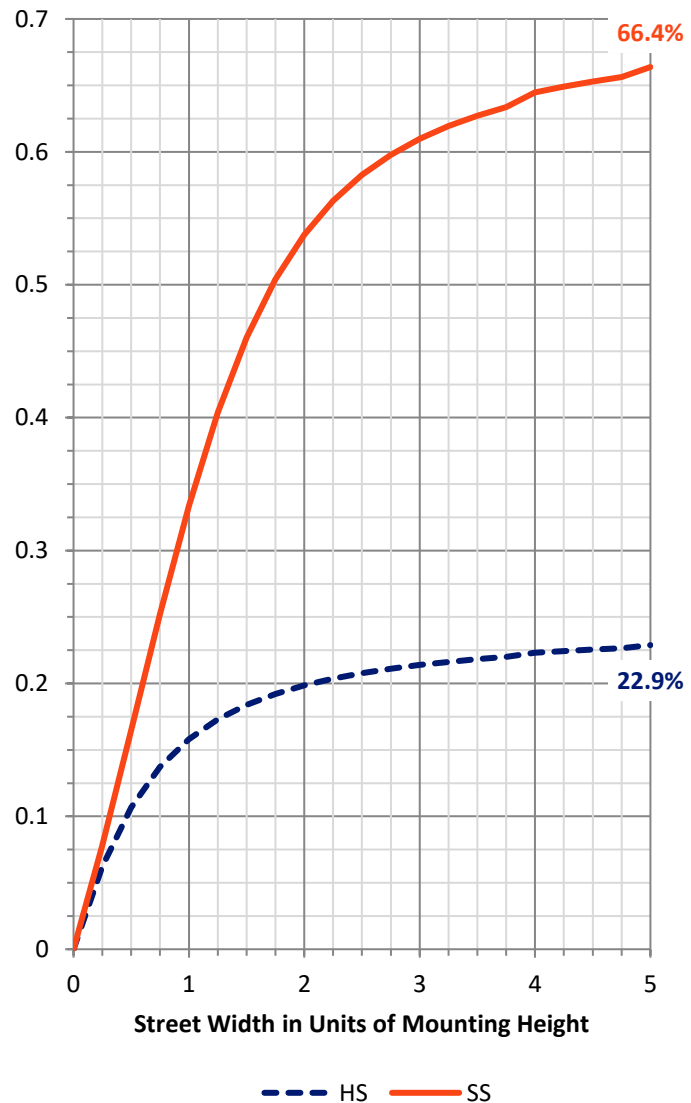
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	665.7	68.8	734.5
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	1915.3	118.0	2033.2
	% Fixture	69.2	4.3	73.5
Total	Lumens	2581.0	186.8	2767.8
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.4
10°-20°	41.9	1.5
20°-30°	107.5	3.9
30°-40°	217.7	7.9
40°-50°	368.6	13.3
50°-60°	522.7	18.9
60°-70°	590.1	21.3
70°-80°	471.9	17.0
80°-90°	250.7	9.1
90°-100°	105.7	3.8
100°-110°	44.9	1.6
110°-120°	20.7	0.7
120°-130°	9.9	0.4
130°-140°	4.3	0.2
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2581.0	93.2
0°-180°	2767.8	100.0

Coefficient of Utilization



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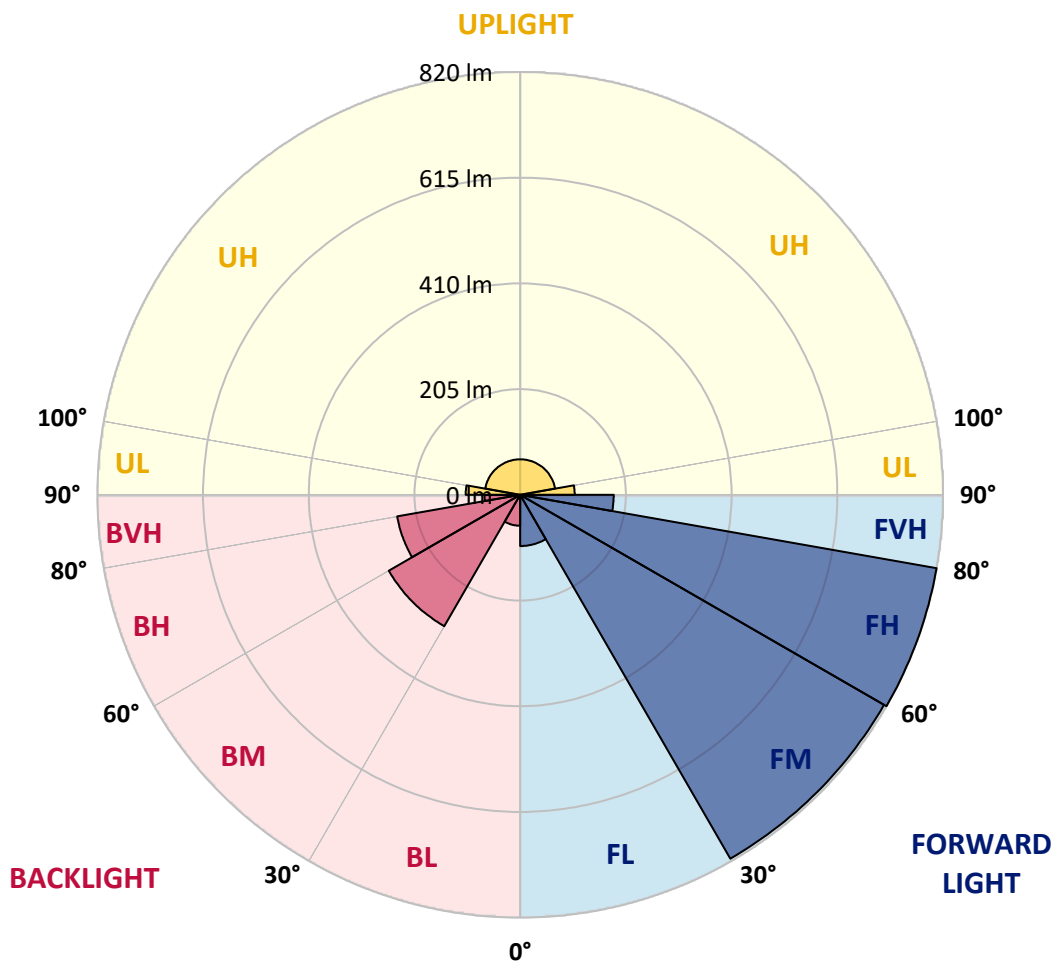
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.3	3.6			
FM	(30°-60°)	814.7	29.4			
FH	(60°-80°)	819.9	29.6			G1/1800
FVH	(80°-90°)	181.4	6.6			G2/225
BL	(0°-30°)	60.0	2.2	B0/110		
BM	(30°-60°)	294.3	10.6	B1/1000		
BH	(60°-80°)	242.1	8.7	B1/500		G1/500
BVH	(80°-90°)	69.3	2.5			G1/100
UL	(90°-100°)	105.7	3.8		U3/500	
UH	(100°-180°)	68.8	2.5		U3/500	

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°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	102.0	102.5	102.0	101.6	100.9	100.6	99.3	97.6	96.6	96.2	95.0
5°	112.4	113.4	112.6	111.7	110.8	109.4	107.3	104.7	102.5	102.2	99.6
7.5°	125.1	126.5	125.6	124.1	122.4	120.5	117.4	114.1	111.0	110.3	107.0
10°	143.3	143.0	141.7	139.5	137.4	135.3	131.5	126.5	122.8	122.1	117.4
12.5°	163.9	163.9	161.9	158.8	155.4	152.4	148.7	143.0	139.0	137.9	132.2
15°	187.0	188.0	185.1	181.6	177.0	172.6	169.2	163.1	158.5	157.5	150.3
17.5°	214.2	214.7	211.3	206.9	201.5	197.4	192.4	186.0	180.6	179.7	170.9
20°	245.5	245.2	241.3	235.1	229.1	225.5	218.9	211.9	205.9	205.3	194.8
22.5°	281.3	278.6	275.5	267.8	262.8	255.7	248.9	240.8	235.1	234.2	223.0
25°	321.2	317.6	314.5	304.4	297.1	288.6	281.6	274.5	269.9	267.8	254.7
27.5°	366.4	364.1	358.0	345.5	334.1	323.6	318.3	311.5	306.5	305.5	291.9
30°	416.9	411.2	404.7	389.5	374.1	360.0	354.7	351.9	348.3	346.8	331.7
32.5°	466.9	466.6	457.1	438.1	417.8	402.0	397.1	395.7	392.3	392.6	374.5
35°	526.1	525.8	514.1	490.6	465.3	445.7	442.3	444.1	443.0	442.8	422.3
37.5°	589.1	587.8	574.6	546.0	514.6	492.5	490.1	495.9	500.3	497.2	473.3
40°	654.0	655.0	637.2	603.5	566.9	541.7	540.3	553.4	558.1	555.2	526.9
42.5°	716.8	716.3	699.4	664.7	619.7	592.8	593.8	610.9	616.6	615.2	584.0
45°	777.8	777.2	762.0	721.6	673.9	644.5	649.7	670.5	681.6	681.6	644.3
47.5°	831.3	830.7	817.5	776.5	726.0	696.4	704.5	732.7	751.3	748.8	704.8
50°	874.9	874.1	865.0	827.2	775.4	747.2	761.0	797.7	820.2	815.1	766.8
52.5°	902.9	904.4	899.9	868.3	819.9	794.3	815.5	861.6	886.4	884.4	829.7
55°	916.5	917.1	922.5	897.9	855.5	836.1	867.4	923.2	953.8	951.0	890.2
57.5°	910.1	912.0	926.5	913.8	880.1	870.3	913.8	980.1	1016.7	1017.1	943.7
60°	883.2	888.6	910.7	913.8	892.1	892.6	952.1	1030.4	1072.5	1070.2	988.0
62.5°	837.9	844.8	877.0	893.5	886.2	902.6	977.3	1069.8	1112.9	1114.5	1020.0
65°	775.7	782.2	821.2	854.2	862.9	896.9	988.5	1094.8	1140.5	1140.0	1031.2
66°	746.2	752.6	794.3	833.3	848.8	888.9	987.7	1098.4	1144.3	1143.8	1029.5
67.5°	697.4	704.5	747.8	795.3	821.0	870.9	980.1	1096.4	1142.1	1141.4	1018.4
70°	607.3	615.2	663.8	716.3	759.0	825.0	949.1	1073.6	1117.2	1113.9	977.3
72.5°	513.0	521.5	570.0	625.8	685.9	764.0	893.5	1020.7	1060.1	1055.7	908.6
75°	420.9	428.9	476.7	533.6	598.8	684.0	815.5	937.3	968.6	968.3	816.2
77.5°	336.8	343.8	386.5	443.0	509.0	595.1	719.6	836.3	862.0	855.1	706.2
80°	264.1	270.7	307.5	358.2	422.6	503.0	614.6	714.2	728.0	723.9	590.0
82.5°	204.9	210.9	242.9	287.0	344.8	415.5	504.3	591.1	597.6	593.2	477.7
85°	158.5	163.9	191.1	229.1	278.3	336.8	407.7	469.4	475.4	472.2	377.5
87.5°	122.8	126.5	149.4	181.4	222.7	270.1	323.3	370.7	368.3	365.3	291.9
90°	95.0	98.5	117.4	144.0	178.0	215.0	254.0	286.0	281.6	278.3	224.0
92.5°	73.8	76.4	92.9	115.1	142.7	170.9	198.4	218.9	213.3	210.9	170.9
95°	58.2	60.2	73.3	93.9	115.1	136.6	155.4	169.9	161.4	159.4	130.3
97.5°	46.7	48.1	59.2	75.6	93.6	110.0	122.8	128.8	122.4	120.8	99.3
100°	38.4	39.0	48.5	61.5	76.0	89.6	97.6	100.3	93.6	92.2	75.6
102.5°	31.6	32.2	40.1	51.8	63.2	72.7	77.8	79.4	71.0	70.0	58.5
105°	26.6	26.9	33.2	43.7	53.2	59.8	63.2	61.5	54.8	53.8	45.8
107.5°	22.8	23.3	27.8	37.3	45.0	50.1	52.1	49.8	42.7	41.7	36.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	19.9	19.9	23.9	31.6	38.4	42.7	43.4	39.6	33.6	33.0	28.9
112.5°	17.4	17.4	20.9	27.3	33.0	36.3	36.3	32.2	26.6	26.2	23.5
115°	15.8	15.8	18.1	23.5	28.6	31.4	30.6	26.2	21.5	21.2	19.6
117.5°	14.2	14.2	15.8	20.2	24.6	26.9	26.0	21.5	17.4	17.2	16.4
120°	12.8	12.8	14.2	17.2	21.2	22.8	21.9	17.8	14.5	14.2	13.8
122.5°	11.8	11.8	12.4	15.1	18.1	19.6	18.5	14.8	12.0	12.0	11.8
125°	10.8	10.8	11.5	13.1	15.5	16.8	15.5	12.0	10.2	10.2	10.4
127.5°	10.2	10.2	10.4	11.5	13.5	14.2	12.8	10.2	8.8	8.8	9.2
130°	9.2	9.2	9.4	10.2	11.0	11.8	10.4	8.4	7.7	7.4	7.7
132.5°	8.4	8.4	8.4	8.8	9.2	9.4	8.4	6.7	6.4	6.4	6.7
135°	7.4	7.7	7.4	7.4	7.4	7.4	6.4	5.4	5.4	5.4	5.7
137.5°	6.7	6.7	6.4	6.1	6.1	5.7	5.0	4.4	4.4	4.4	4.8
140°	5.7	5.7	5.7	5.0	4.4	4.0	3.4	3.4	3.8	3.8	4.0
142.5°	4.8	4.8	4.4	4.0	3.1	2.6	2.3	2.3	2.6	2.6	3.1
145°	3.8	3.8	3.4	2.6	2.1	1.3	1.3	1.3	1.6	1.6	2.1
147.5°	2.6	2.6	2.3	1.6	1.0	0.7	0.7	1.0	1.3	1.3	1.6
150°	1.6	1.6	1.3	1.0	0.3	0.0	0.3	0.7	1.0	1.0	1.3
152.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.3	0.7	0.7	1.0
155°	0.0	0.0	0.3	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	0.0
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°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	94.2	93.6	92.2	91.2	89.8	89.1	88.8	88.2	87.9	87.5	87.5
5°	98.3	96.8	94.5	92.2	90.2	88.2	87.1	86.1	85.1	84.4	84.4
7.5°	104.9	102.9	99.3	95.5	92.2	89.6	87.5	86.1	84.8	84.1	83.7
10°	114.4	111.7	106.7	101.6	96.8	92.9	90.2	88.5	87.1	86.1	85.8
12.5°	129.1	125.1	117.8	110.3	102.9	98.5	95.0	93.9	93.2	92.5	93.2
15°	146.3	141.4	132.2	122.4	113.4	106.3	103.2	102.5	102.0	101.6	101.6
17.5°	165.5	160.2	148.0	135.3	124.1	117.0	112.6	111.4	110.3	110.0	109.7
20°	188.7	181.6	166.1	149.7	136.6	128.8	122.8	120.5	119.5	119.5	119.5
22.5°	215.7	206.3	187.0	165.5	150.3	139.5	133.2	129.5	128.8	129.1	128.8
25°	246.0	234.5	209.9	183.3	163.5	150.0	141.9	138.6	137.6	138.2	138.2
27.5°	280.2	267.2	234.5	202.2	176.0	159.1	150.0	147.1	146.1	147.1	147.1
30°	316.3	301.4	260.1	220.1	186.7	166.5	156.5	154.1	153.2	154.1	154.4
32.5°	359.3	337.1	287.0	237.2	196.8	172.6	161.9	159.8	158.8	160.2	160.2
35°	403.7	376.5	313.9	253.1	204.9	177.0	165.5	163.9	163.1	164.5	164.5
37.5°	448.9	419.1	341.4	267.2	210.9	180.0	168.3	166.8	166.5	166.5	166.8
40°	498.2	461.2	367.6	278.6	215.4	181.6	169.9	168.3	167.9	167.5	167.5
42.5°	549.4	502.0	391.2	287.3	217.3	181.9	169.9	168.9	168.5	167.3	166.8
45°	601.9	545.4	413.5	293.3	218.0	181.4	169.6	168.5	168.3	165.8	165.5
47.5°	655.4	587.0	431.6	296.0	216.3	180.0	168.5	167.5	166.8	163.1	163.1
50°	708.1	628.2	447.0	296.4	213.6	177.7	167.3	166.8	165.5	161.2	160.4
52.5°	760.0	666.8	458.6	294.0	209.2	175.3	165.8	165.8	164.2	159.4	158.8
55°	808.7	701.4	465.3	288.6	204.3	172.2	164.2	164.5	162.9	157.8	157.2
57.5°	851.1	730.1	466.3	280.6	198.4	169.2	162.6	163.1	162.1	156.5	155.8
60°	885.1	748.2	461.5	270.7	191.8	165.5	160.4	161.9	160.7	155.4	155.0
62.5°	903.7	755.2	449.8	258.7	185.1	162.1	157.8	160.2	159.4	154.1	153.7
65°	905.0	746.5	430.3	244.9	178.0	158.1	155.4	157.5	157.5	152.7	152.4
66°	899.9	737.8	420.5	239.6	174.9	156.5	154.1	156.5	156.8	152.4	151.8
67.5°	884.1	719.6	403.7	230.1	170.1	153.7	151.8	154.4	154.8	151.1	150.0
70°	840.0	675.2	373.1	214.7	162.6	148.4	147.3	150.0	150.7	147.7	146.7
72.5°	772.5	617.0	337.1	197.7	153.7	142.3	141.9	144.6	145.3	142.7	141.7
75°	686.9	540.6	297.3	181.4	144.3	135.6	135.3	137.4	138.2	136.3	134.6
77.5°	589.4	462.3	258.4	164.5	134.9	127.9	127.9	129.5	129.8	127.9	126.1
80°	489.4	384.8	223.0	147.7	125.1	119.0	119.0	119.7	120.2	118.0	116.2
82.5°	395.7	313.9	189.1	131.5	114.1	109.4	109.1	109.1	108.7	107.0	104.7
85°	312.9	252.0	158.1	116.4	103.2	99.6	98.5	97.6	96.8	95.0	92.9
87.5°	244.6	200.5	133.2	102.2	92.5	89.6	88.2	86.7	85.1	82.7	80.0
90°	190.1	158.8	111.0	89.1	81.7	79.1	77.1	75.0	73.0	70.2	69.0
92.5°	147.3	125.6	92.9	76.7	71.7	69.7	67.6	64.9	62.3	59.6	58.2
95°	114.8	99.9	77.1	66.3	62.6	60.8	58.8	55.9	52.6	49.8	48.8
97.5°	89.6	79.4	64.3	57.2	54.8	52.8	50.8	47.8	44.0	41.1	40.3
100°	69.7	63.2	53.8	49.4	47.4	46.2	44.0	41.1	36.7	33.6	33.2
102.5°	55.2	50.8	45.0	42.7	41.4	40.1	38.0	34.9	30.6	27.3	27.3
105°	43.7	41.1	38.0	36.7	35.7	34.7	32.6	29.6	25.0	22.2	22.2
107.5°	35.4	33.2	32.0	31.4	30.9	30.0	28.2	25.0	20.5	18.1	18.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.6	27.6	26.9	26.9	26.6	26.2	24.3	20.9	16.8	14.8	15.1
112.5°	23.5	22.8	22.8	23.3	23.3	22.5	20.5	17.4	13.8	12.4	12.4
115°	19.6	19.1	19.6	19.9	20.2	19.6	17.4	14.5	11.0	10.4	10.4
117.5°	16.4	16.4	16.8	17.2	17.2	16.4	14.8	12.0	9.2	8.8	8.8
120°	14.2	14.2	14.2	14.5	14.8	14.2	12.4	9.7	7.4	7.4	7.4
122.5°	12.0	12.0	12.0	12.4	12.4	12.0	10.4	8.1	6.4	6.4	6.4
125°	10.4	10.4	10.4	10.8	10.8	10.2	8.4	6.7	5.4	5.4	5.4
127.5°	9.2	9.2	9.2	9.2	9.2	8.4	7.0	5.4	4.4	4.8	4.8
130°	8.1	8.1	7.7	7.7	7.4	7.0	5.7	4.4	3.8	4.0	4.0
132.5°	6.7	7.0	6.7	6.4	6.1	5.4	4.4	3.4	3.1	3.4	3.4
135°	5.7	6.1	5.7	5.0	4.8	4.4	3.4	2.6	2.6	2.6	2.6
137.5°	5.0	5.0	4.8	4.0	3.8	3.1	2.3	2.1	2.1	2.3	2.3
140°	4.0	4.0	3.8	3.1	2.6	2.1	1.3	1.3	1.6	1.6	1.6
142.5°	3.1	3.1	2.6	2.1	1.3	1.0	0.7	0.7	1.0	1.3	1.3
145°	2.1	2.1	2.1	1.3	1.0	0.3	0.0	0.3	0.7	0.7	0.7
147.5°	1.6	1.6	1.3	1.0	0.3	0.0	0.0	0.0	0.3	0.3	0.3
150°	1.3	1.3	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	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°	0.0	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)