

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: P266068

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T2U-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3663.9 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 40
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

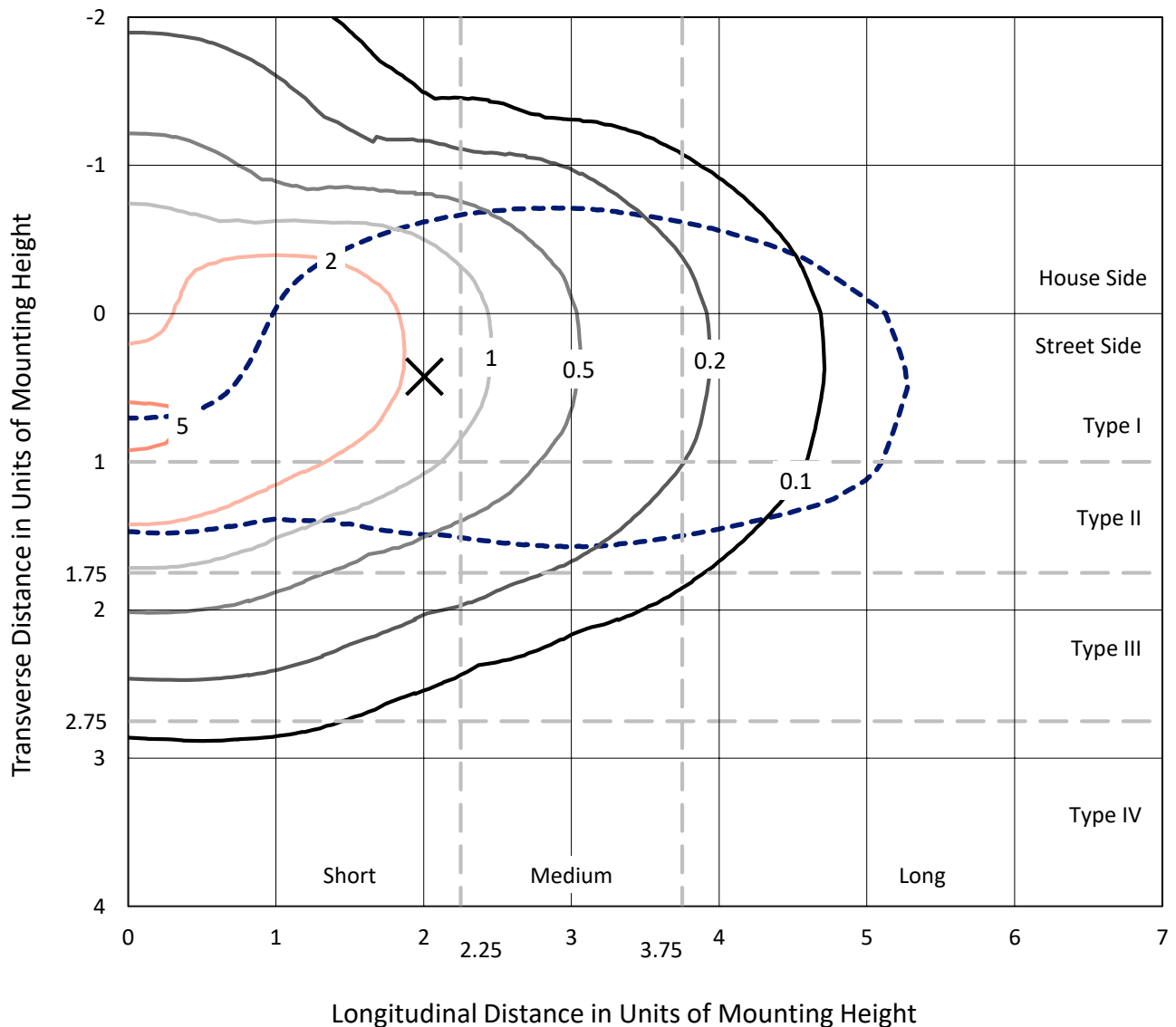


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

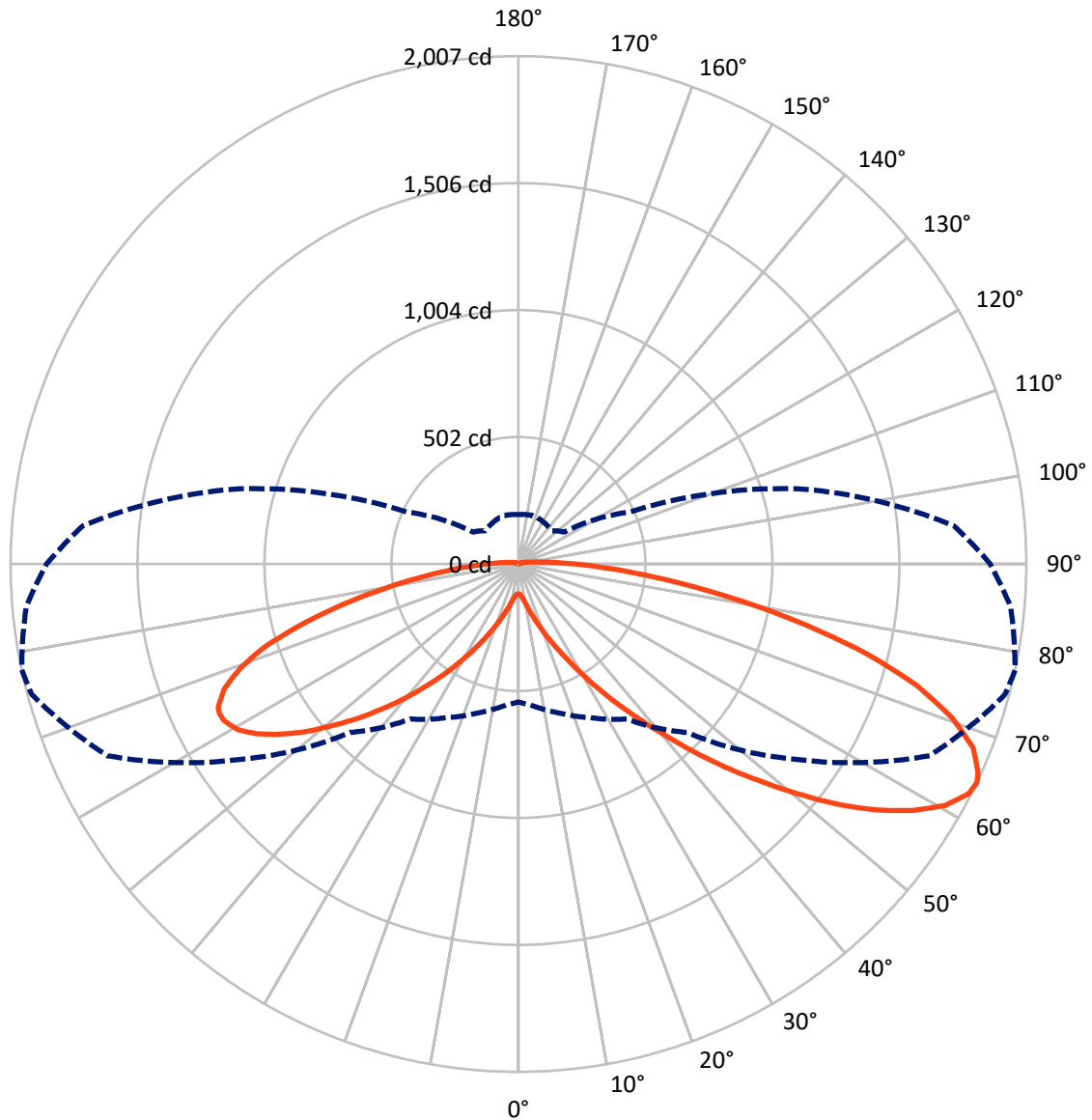


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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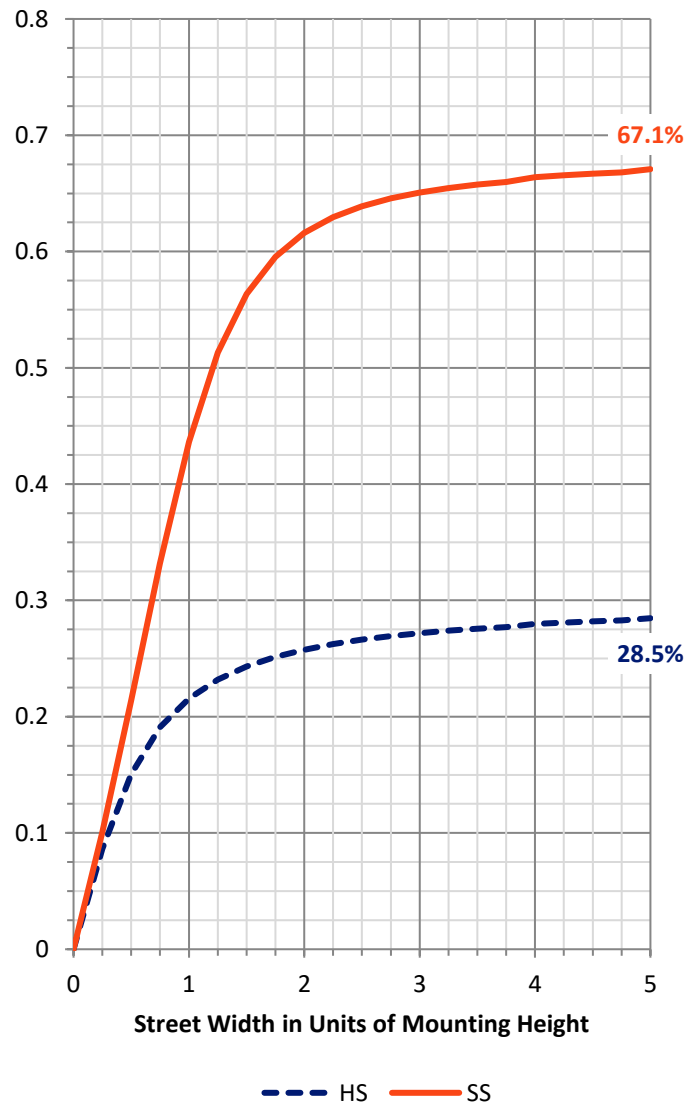
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1075.8	49.5	1125.3
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	2491.6	47.0	2538.6
	% Fixture	68.0	1.3	69.3
Total	Lumens	3567.4	96.5	3663.9
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.4
10°-20°	59.4	1.6
20°-30°	165.6	4.5
30°-40°	359.7	9.8
40°-50°	621.3	17.0
50°-60°	822.6	22.5
60°-70°	802.5	21.9
70°-80°	521.6	14.2
80°-90°	201.9	5.5
90°-100°	58.3	1.6
100°-110°	22.1	0.6
110°-120°	9.6	0.3
120°-130°	4.2	0.1
130°-140°	1.7	0.0
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3567.4	97.4
0°-180°	3663.9	100.0

Coefficient of Utilization



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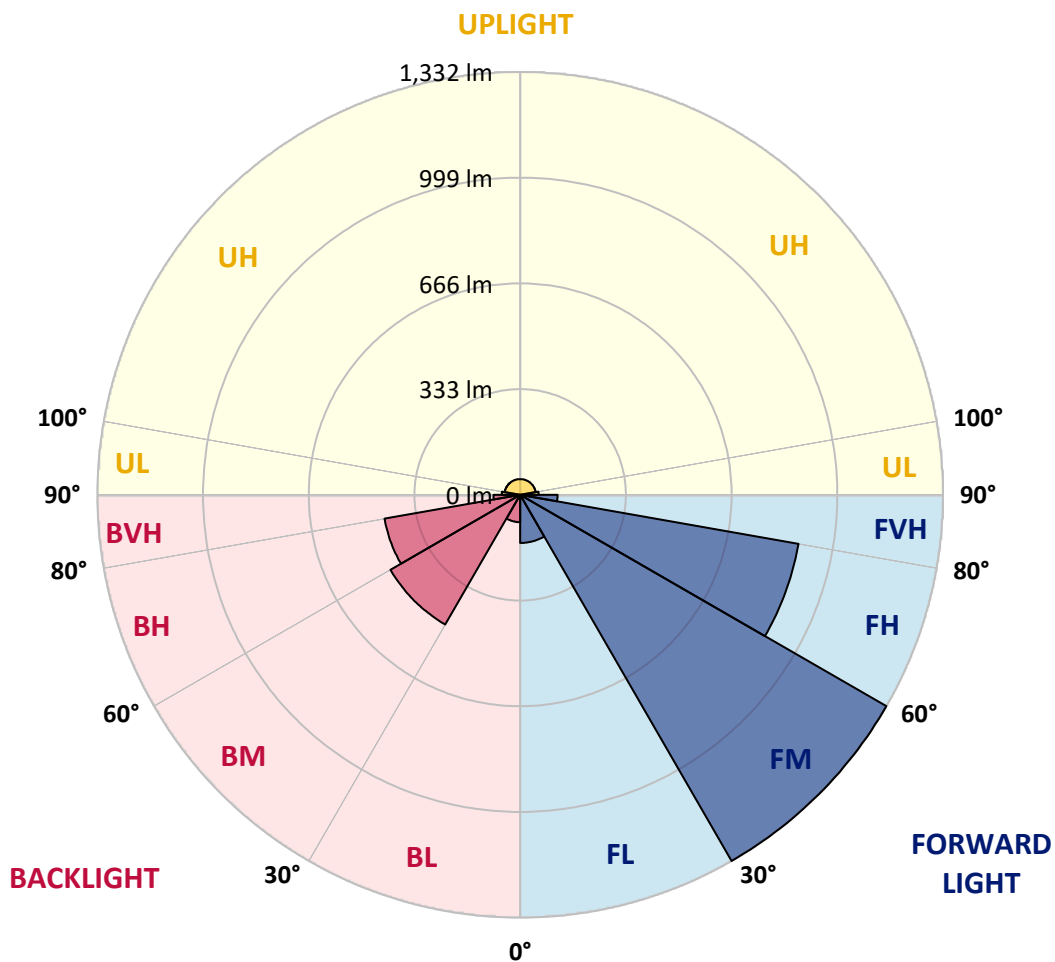
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.7	4.1			
FM	(30°-60°)	1331.9	36.4			
FH	(60°-80°)	890.3	24.3			G1/1800
FVH	(80°-90°)	117.7	3.2			G2/225
BL	(0°-30°)	86.2	2.4	B0/110		
BM	(30°-60°)	471.7	12.9	B1/1000		
BH	(60°-80°)	433.8	11.8	B1/500		G1/500
BVH	(80°-90°)	84.1	2.3			G1/100
UL	(90°-100°)	58.3	1.6		U3/500	
UH	(100°-180°)	49.5	1.4		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0
2.5°	127.6	127.2	127.2	127.6	126.3	125.9	124.7	122.9	121.6	121.1	119.8
5°	141.7	140.8	139.9	140.2	139.0	136.8	134.7	132.1	129.8	128.9	126.8
7.5°	158.1	159.0	157.4	156.5	154.7	152.5	148.6	145.5	142.6	141.2	139.0
10°	184.3	184.7	181.6	182.1	176.8	174.4	170.4	165.2	161.7	159.4	156.5
12.5°	220.1	219.5	216.1	214.9	208.2	203.5	197.4	191.2	187.7	185.2	179.9
15°	263.7	262.8	260.6	255.3	245.2	239.2	231.9	222.7	217.8	214.3	208.6
17.5°	315.0	315.5	311.2	304.2	290.6	281.9	271.0	258.8	251.9	247.0	240.9
20°	379.1	379.5	371.7	361.7	344.2	332.1	313.7	302.4	291.5	288.9	279.4
22.5°	455.4	454.9	443.1	430.1	406.6	388.2	368.1	349.9	337.3	333.8	323.3
25°	542.0	541.1	526.8	512.8	477.5	453.6	427.5	404.7	392.1	385.2	373.4
27.5°	643.9	642.3	623.1	603.0	558.1	522.9	491.1	469.8	454.1	444.9	431.7
30°	753.8	752.1	729.0	696.2	647.9	607.3	565.6	540.7	522.9	515.8	498.0
32.5°	872.3	868.8	841.8	802.1	745.1	693.6	651.5	623.1	601.2	594.3	571.2
35°	992.5	987.7	959.0	912.8	847.0	790.8	747.7	718.0	691.1	682.0	654.0
37.5°	1108.0	1101.5	1078.9	1020.5	953.8	901.4	853.1	816.1	786.5	778.2	741.6
40°	1199.5	1195.6	1174.8	1118.5	1054.9	1002.1	965.0	935.5	898.0	885.4	846.2
42.5°	1269.2	1265.4	1249.3	1202.7	1146.0	1109.8	1078.9	1057.5	1025.2	1011.8	956.3
45°	1305.3	1299.8	1292.8	1259.2	1220.4	1202.7	1198.7	1190.9	1159.4	1143.7	1079.3
47.5°	1297.2	1294.5	1301.0	1280.5	1265.4	1281.1	1314.6	1330.2	1294.1	1279.6	1211.8
50°	1244.8	1248.4	1264.9	1263.1	1278.0	1331.1	1415.5	1467.6	1444.8	1425.7	1351.6
52.5°	1157.2	1162.0	1191.7	1207.9	1250.5	1351.1	1494.2	1596.8	1599.1	1576.9	1493.3
55°	1042.3	1052.6	1088.8	1120.2	1189.0	1328.1	1540.2	1705.8	1738.5	1715.9	1627.0
57.5°	905.9	921.1	960.7	1012.6	1092.8	1264.9	1549.3	1787.3	1856.5	1837.8	1753.0
60°	763.7	774.7	823.9	882.3	962.5	1168.2	1511.5	1829.9	1949.4	1937.6	1868.4
62.5°	624.4	636.5	687.2	751.2	829.7	1031.0	1421.3	1827.0	1992.5	1998.2	1936.7
64°	545.5	559.0	608.7	669.2	747.7	941.6	1346.4	1792.9	1991.6	2007.4	1953.4
65°	496.3	509.8	558.6	618.8	695.4	879.7	1290.1	1760.3	1983.4	1996.5	1953.8
67.5°	387.8	398.7	444.9	506.7	568.2	725.0	1111.9	1631.3	1916.3	1938.1	1913.2
70°	298.1	308.5	350.8	407.8	459.3	589.5	918.4	1442.7	1786.9	1817.5	1805.7
72.5°	229.2	238.0	275.4	325.0	366.9	466.2	733.7	1219.5	1599.5	1649.2	1651.4
75°	176.8	183.9	214.9	258.0	291.1	362.6	571.6	979.5	1360.8	1426.5	1441.8
77.5°	138.1	142.6	167.4	202.6	229.6	277.0	430.1	753.8	1098.0	1163.3	1190.3
80°	108.4	112.0	131.2	159.0	180.4	208.2	315.0	557.7	841.8	901.1	926.8
82.5°	84.1	87.1	102.3	125.0	141.7	159.9	225.2	397.4	612.6	661.4	682.4
85°	64.0	66.3	79.3	96.3	109.9	122.9	157.4	271.5	426.5	463.5	478.0
87.5°	47.5	49.2	60.1	74.1	84.1	94.1	114.7	179.5	286.6	313.2	323.7
90°	34.5	35.8	44.5	56.2	64.9	72.4	83.3	118.9	184.3	202.2	210.1
92.5°	24.4	25.7	32.7	42.3	50.6	56.7	64.0	82.7	118.0	127.6	133.8
95°	17.8	18.8	24.0	31.8	39.3	44.8	50.9	60.1	78.1	83.3	85.3
97.5°	13.6	14.0	18.2	24.4	30.9	35.8	40.1	45.8	54.8	57.5	58.7
100°	10.5	10.9	14.4	19.7	24.9	29.1	32.2	35.8	40.6	42.3	43.1
102.5°	8.8	9.2	11.8	16.1	20.5	24.0	26.6	28.7	30.9	31.8	33.1
105°	7.8	7.8	10.5	14.0	17.4	20.5	22.6	23.5	24.0	24.4	24.9
107.5°	6.6	6.9	9.2	12.1	15.2	17.8	19.1	19.1	18.2	18.2	18.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	6.1	6.1	7.8	10.5	13.6	15.2	16.1	15.2	13.6	13.6	14.0
112.5°	5.2	5.7	6.9	9.2	11.8	13.6	13.6	12.1	10.1	10.1	10.5
115°	4.9	4.9	6.1	8.3	10.1	11.3	11.3	10.1	7.4	7.4	7.8
117.5°	4.3	4.3	5.2	6.9	8.8	10.1	9.6	7.8	5.7	5.7	6.6
120°	4.3	4.3	4.9	6.1	7.4	8.3	7.8	6.1	4.3	4.3	5.2
122.5°	4.0	4.0	4.3	5.2	6.6	6.9	6.6	4.9	3.6	4.0	4.3
125°	4.0	4.0	4.0	4.9	5.7	6.1	5.7	4.0	3.1	3.1	3.6
127.5°	3.6	3.6	3.6	4.0	4.9	5.2	4.3	3.1	2.6	2.6	3.1
130°	3.6	3.6	3.1	3.6	4.3	4.3	3.6	2.2	1.7	2.2	2.6
132.5°	3.1	3.1	3.1	3.1	3.6	3.6	3.1	1.7	1.7	1.7	2.2
135°	3.1	3.1	2.6	2.6	3.1	3.1	2.2	1.3	1.3	1.3	1.7
137.5°	2.6	2.6	2.6	2.2	2.2	2.2	1.7	0.9	0.9	1.3	1.3
140°	2.2	2.2	2.2	1.7	1.7	1.3	0.9	0.4	0.9	0.9	1.3
142.5°	1.7	1.7	1.7	1.3	1.3	0.9	0.4	0.4	0.4	0.9	0.9
145°	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9
147.5°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0
2.5°	119.4	118.9	117.7	116.8	115.9	115.1	115.1	114.2	113.7	113.2	113.2
5°	126.3	124.7	122.3	120.7	118.5	116.3	114.7	113.2	112.4	112.0	111.5
7.5°	136.8	134.7	130.8	127.6	123.7	120.7	118.0	115.4	114.7	113.7	113.7
10°	154.2	150.3	144.6	139.0	133.8	128.5	125.6	122.0	121.1	120.3	120.3
12.5°	177.3	173.5	164.3	156.5	148.1	141.2	136.5	133.3	132.5	131.2	131.6
15°	204.8	197.7	187.7	176.4	165.9	156.5	150.7	146.0	143.8	142.6	142.9
17.5°	235.7	227.9	213.4	198.6	185.2	174.7	165.2	158.1	154.7	153.4	153.4
20°	271.5	262.8	244.3	224.3	207.0	192.1	179.9	169.5	165.2	163.4	163.4
22.5°	313.7	302.8	277.5	251.9	230.1	208.2	192.1	179.5	174.4	172.6	172.6
25°	362.6	348.2	315.9	284.0	251.4	222.2	201.7	188.3	182.1	179.9	179.9
27.5°	413.5	399.9	358.2	317.6	272.7	233.5	209.1	194.4	187.3	186.0	185.6
30°	478.0	458.9	404.7	349.4	291.1	241.4	212.2	197.7	190.8	189.5	189.5
32.5°	545.5	522.9	457.4	382.6	305.1	244.9	212.5	199.2	193.0	191.7	191.2
35°	624.9	595.7	512.5	416.5	317.6	246.1	212.2	200.1	195.2	193.4	193.0
37.5°	711.1	674.1	570.3	448.0	324.2	244.0	210.9	199.6	196.1	193.9	193.4
40°	804.3	761.7	636.5	473.1	325.0	239.7	208.2	200.1	196.5	193.9	193.0
42.5°	908.5	857.1	700.6	496.3	322.4	234.4	206.5	200.1	197.0	193.9	193.0
45°	1024.3	961.6	767.7	514.1	315.5	228.3	204.8	200.1	197.4	193.4	193.0
47.5°	1148.2	1073.7	836.6	528.1	306.7	222.2	203.9	201.0	198.6	193.9	193.4
50°	1277.5	1191.7	903.2	537.2	296.4	216.5	203.0	201.0	199.6	194.4	193.9
52.5°	1416.9	1316.7	975.6	542.0	284.0	210.9	202.2	201.7	200.4	195.7	194.8
55°	1546.8	1437.0	1040.1	542.0	271.5	205.6	201.3	202.2	201.7	197.0	196.1
57.5°	1668.0	1547.7	1096.7	535.5	258.0	200.4	199.6	201.7	202.2	197.7	197.0
60°	1772.4	1644.3	1136.7	525.0	244.0	195.2	197.4	201.0	202.2	198.3	197.4
62.5°	1843.1	1711.5	1150.3	502.8	229.2	189.5	193.4	198.3	201.0	197.4	196.5
64°	1864.8	1728.5	1147.2	486.3	220.1	186.0	190.8	196.5	199.2	196.5	195.7
65°	1871.0	1731.2	1136.4	472.2	214.3	183.4	188.6	194.8	197.7	195.2	194.4
67.5°	1834.3	1685.8	1082.7	430.9	201.0	176.4	182.5	188.6	192.5	191.2	190.4
70°	1741.2	1589.9	994.3	385.6	186.8	168.3	174.4	180.7	185.6	184.7	184.3
72.5°	1587.3	1438.7	882.8	332.5	173.0	159.0	163.4	170.8	175.6	175.2	174.4
75°	1383.7	1239.7	729.3	284.0	157.7	147.3	151.6	158.1	163.0	162.1	162.1
77.5°	1146.0	1007.8	585.5	234.8	143.8	134.7	138.6	143.8	148.1	146.9	146.5
80°	892.7	775.5	447.4	191.2	128.9	121.1	123.7	127.6	131.6	129.8	129.4
82.5°	656.2	567.3	329.9	153.4	114.2	105.9	108.1	111.5	113.7	112.0	111.5
85°	460.1	396.5	238.8	122.0	98.1	91.1	91.4	93.2	95.0	92.3	91.9
87.5°	310.3	265.8	165.6	96.7	82.7	76.6	76.3	77.2	78.4	75.7	74.5
90°	203.5	173.5	113.2	78.4	69.3	64.0	63.2	63.2	63.6	60.5	59.6
92.5°	128.9	112.4	82.4	64.0	57.9	53.2	51.8	51.5	50.9	47.9	47.5
95°	84.1	77.2	63.2	53.2	47.9	43.9	42.7	41.9	41.0	38.7	37.9
97.5°	59.3	55.8	50.1	43.9	40.1	36.7	35.4	34.0	33.1	30.5	30.1
100°	44.5	43.1	40.6	36.7	33.5	30.5	29.1	27.8	26.9	24.4	24.0
102.5°	34.5	34.5	33.1	30.5	27.8	25.2	24.4	23.0	21.7	20.0	19.7
105°	26.6	26.6	26.9	25.7	23.5	21.7	20.5	19.7	18.2	16.1	16.1
107.5°	20.0	20.9	21.7	21.4	20.0	18.2	17.4	16.6	14.8	13.6	13.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.2	15.7	17.4	17.8	17.0	15.7	14.8	13.6	12.1	10.9	10.9
112.5°	11.3	12.1	14.0	14.8	14.4	13.6	12.7	11.3	9.6	9.2	9.2
115°	8.8	9.6	11.3	12.1	12.1	11.3	10.5	9.2	7.8	7.4	7.8
117.5°	6.9	7.8	9.2	10.1	10.1	9.2	8.8	7.4	6.6	6.6	6.6
120°	5.7	6.6	7.4	8.3	8.3	7.8	6.9	6.1	5.2	5.7	5.7
122.5°	4.9	5.2	6.1	6.6	6.9	6.6	5.7	4.9	4.3	4.9	4.9
125°	4.0	4.3	5.2	5.2	5.7	5.2	4.9	4.0	3.6	4.0	4.0
127.5°	3.6	4.0	4.3	4.3	4.9	4.3	4.0	3.1	3.1	3.6	3.6
130°	2.6	3.1	3.6	3.6	4.0	3.6	3.1	2.6	2.6	3.1	3.1
132.5°	2.2	2.6	2.6	3.1	3.1	3.1	2.6	1.7	2.2	2.2	2.2
135°	2.2	2.2	2.6	2.2	2.2	2.2	1.7	1.3	1.7	1.7	1.7
137.5°	1.7	1.7	2.2	2.2	1.7	1.7	1.3	0.9	1.3	1.7	1.7
140°	1.3	1.7	1.7	1.7	1.7	1.3	0.9	0.4	0.9	0.9	0.9
142.5°	1.3	1.3	1.7	1.7	1.3	0.9	0.4	0.0	0.4	0.4	0.4
145°	0.9	1.3	1.3	1.3	0.9	0.9	0.4	0.0	0.0	0.4	0.0
147.5°	0.9	0.9	1.3	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
150°	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.4	0.4	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)