

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: P415277

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3464.9 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

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

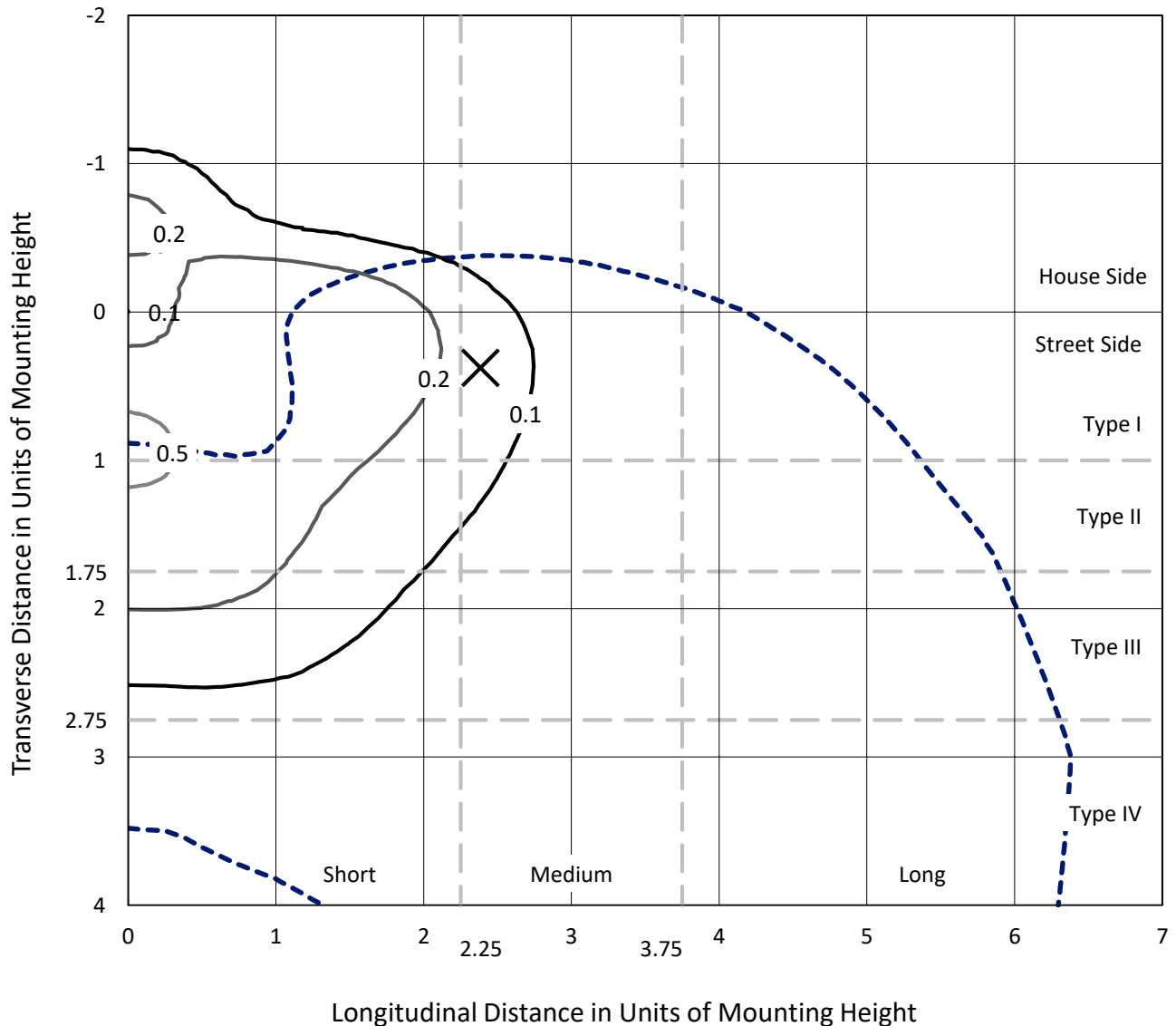


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

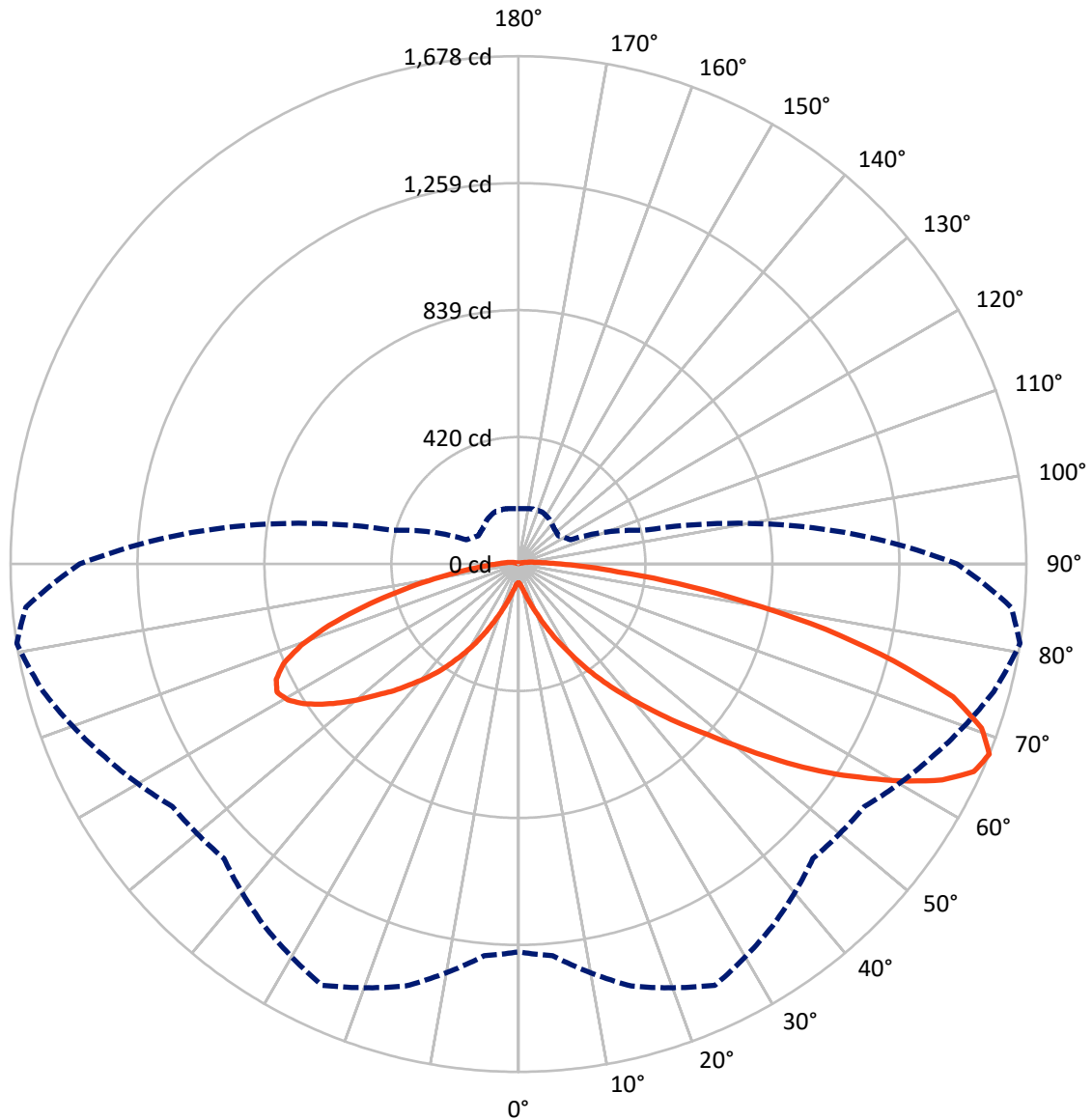


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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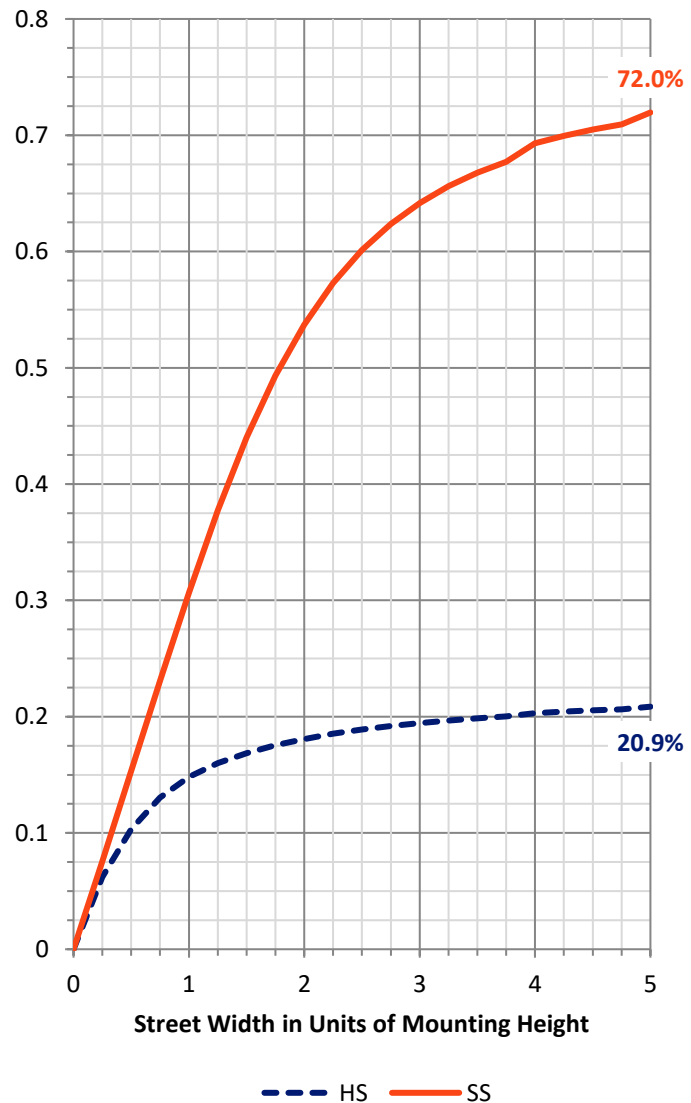
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.5	53.9	812.4
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	2584.7	67.8	2652.5
	% Fixture	74.6	2.0	76.6
Total	Lumens	3343.2	121.7	3464.9
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.2
10°-20°	35.8	1.0
20°-30°	106.7	3.1
30°-40°	231.6	6.7
40°-50°	406.2	11.7
50°-60°	643.7	18.6
60°-70°	868.6	25.1
70°-80°	745.3	21.5
80°-90°	298.2	8.6
90°-100°	72.6	2.1
100°-110°	25.5	0.7
110°-120°	11.7	0.3
120°-130°	6.3	0.2
130°-140°	3.5	0.1
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3343.2	96.5
0°-180°	3464.9	100.0



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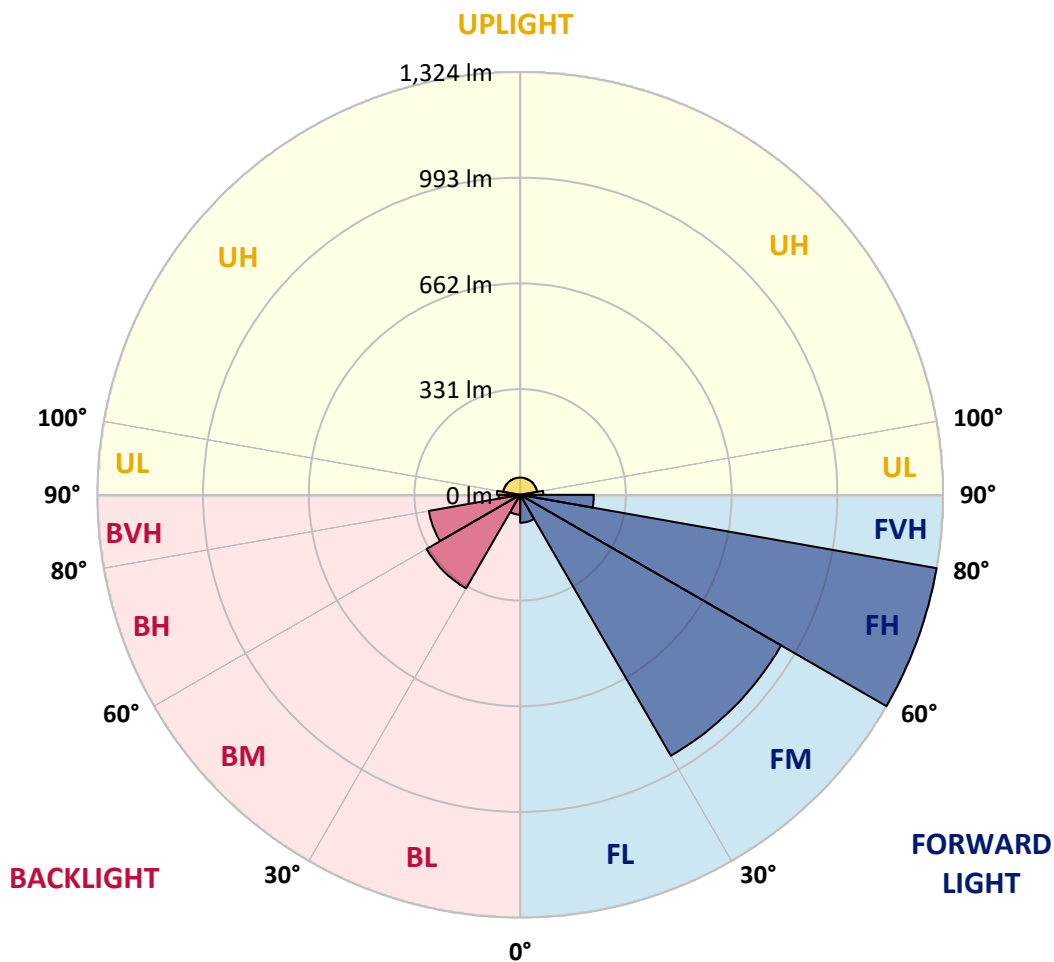
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	2.5			
FM	(30°-60°)	943.1	27.2			
FH	(60°-80°)	1323.7	38.2			G1/1800
FVH	(80°-90°)	230.5	6.7			G3/500
BL	(0°-30°)	62.2	1.8	B0/110		
BM	(30°-60°)	338.4	9.8	B1/1000		
BH	(60°-80°)	290.2	8.4	B1/500		G1/500
BVH	(80°-90°)	67.7	2.0			G1/100
UL	(90°-100°)	72.6	2.1		U3/500	
UH	(100°-180°)	53.9	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	68.0	67.6	67.6	68.0	68.0	68.0	66.8	65.6	64.4	64.0	63.6
5°	77.3	76.5	76.5	76.5	76.1	74.9	73.2	71.6	70.0	69.2	68.4
7.5°	89.3	88.9	88.5	87.3	86.9	84.9	82.5	80.1	77.7	76.9	76.1
10°	105.8	105.4	103.4	103.0	101.0	99.0	95.4	91.8	88.5	87.3	86.1
12.5°	126.8	126.8	123.9	120.7	118.3	114.3	111.1	106.6	104.2	102.6	101.0
15°	154.1	152.5	148.9	145.3	138.8	134.0	129.2	126.8	125.2	123.1	120.7
17.5°	184.3	182.3	179.1	171.8	163.4	156.5	152.1	149.7	148.9	147.7	144.9
20°	220.5	218.1	213.7	202.4	193.2	183.9	178.7	177.5	178.3	176.3	173.4
22.5°	263.6	262.0	252.7	238.6	225.8	212.9	208.1	208.9	210.5	213.3	211.7
25°	312.7	308.7	299.8	279.7	258.4	245.9	241.1	244.7	251.9	255.9	252.7
27.5°	369.8	367.4	349.7	323.6	295.8	278.9	275.3	285.7	298.2	301.4	301.4
30°	430.2	431.8	406.0	375.1	340.1	316.7	312.3	327.2	348.5	350.5	355.7
32.5°	506.7	503.8	476.9	426.2	384.7	354.5	351.7	372.6	399.6	410.1	410.1
35°	586.7	583.9	550.9	491.0	433.4	394.4	396.4	418.5	455.1	468.4	470.4
37.5°	678.9	669.6	633.8	559.4	486.5	440.7	437.0	470.4	513.5	532.4	532.4
40°	780.3	775.1	725.2	637.0	540.9	488.5	485.7	524.4	576.7	597.6	601.6
42.5°	878.9	872.1	825.8	712.3	603.6	539.3	539.7	581.9	641.9	670.8	676.1
45°	983.1	976.7	926.0	804.9	671.7	602.0	597.2	649.9	721.6	753.7	759.8
47.5°	1075.7	1071.3	1027.4	897.0	756.2	669.2	662.8	723.6	806.5	842.3	860.4
50°	1176.3	1170.7	1129.6	995.2	840.3	740.9	740.5	805.7	909.5	952.9	967.8
52.5°	1258.0	1251.5	1223.0	1093.8	923.6	824.6	817.7	897.8	1016.1	1078.5	1085.7
55°	1333.2	1330.8	1321.2	1199.6	1025.0	906.7	911.1	1006.1	1137.7	1208.1	1219.0
57.5°	1387.6	1390.8	1395.2	1305.9	1124.4	998.4	1006.5	1114.7	1264.0	1329.6	1344.5
60°	1424.6	1435.9	1465.2	1398.4	1225.8	1098.6	1112.3	1222.2	1385.6	1455.6	1467.7
62.5°	1427.4	1439.5	1507.9	1485.0	1323.2	1201.2	1216.9	1332.8	1494.2	1571.9	1573.1
65°	1373.9	1390.4	1499.8	1531.6	1408.9	1299.4	1313.5	1431.4	1585.2	1654.0	1629.0
67.5°	1281.7	1299.0	1443.9	1535.7	1462.0	1375.9	1396.0	1507.9	1626.2	1678.1	1633.9
70°	1148.1	1165.0	1317.5	1474.9	1471.7	1421.0	1447.5	1539.3	1618.6	1623.8	1561.4
72.5°	972.7	971.1	1135.6	1342.1	1418.2	1417.3	1459.6	1515.5	1531.2	1501.9	1409.3
75°	744.9	765.8	915.9	1150.1	1296.2	1353.4	1396.0	1417.3	1372.3	1281.3	1181.1
77.5°	533.6	550.9	687.3	906.7	1115.1	1220.6	1267.6	1257.6	1145.7	1039.1	924.0
80°	353.3	363.4	477.3	676.9	899.0	1021.4	1078.1	1039.5	897.4	761.0	661.6
82.5°	212.1	228.6	300.2	475.7	666.8	807.3	841.9	777.5	640.7	529.6	456.8
85°	128.4	132.0	186.7	304.2	465.6	580.7	613.7	544.5	421.3	330.8	274.5
87.5°	72.0	78.5	115.5	198.0	313.1	403.2	414.9	358.6	264.4	205.2	171.8
90°	42.3	46.7	70.8	122.7	199.6	260.8	264.0	216.9	156.5	123.5	109.9
92.5°	27.0	30.2	47.1	78.9	128.4	169.4	165.0	134.0	100.2	82.5	71.2
95°	19.3	20.9	33.0	54.3	86.1	106.6	105.0	84.1	67.2	57.5	52.3
97.5°	14.5	16.1	25.8	39.8	57.9	71.6	70.0	55.9	46.7	42.3	40.2
100°	12.1	12.9	20.9	31.4	43.1	51.5	50.7	41.4	35.0	31.8	31.0
102.5°	10.5	11.3	17.3	25.4	34.2	39.8	38.2	32.2	26.6	23.7	22.9
105°	9.3	9.7	14.9	21.7	28.2	31.4	31.0	25.8	20.5	17.7	17.3
107.5°	8.5	8.9	12.9	18.5	23.7	26.6	25.8	20.9	15.7	13.7	13.3
110°	7.6	8.0	11.3	16.1	20.1	22.5	21.3	17.3	12.5	10.5	10.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	7.2	7.2	10.1	13.7	17.3	19.3	18.1	14.1	9.7	8.5	8.9
115°	6.8	6.8	8.9	12.1	15.3	16.9	15.3	11.7	8.0	7.2	7.2
117.5°	6.4	6.4	8.0	10.9	13.7	14.9	13.3	10.1	6.8	6.0	6.4
120°	6.0	6.4	7.6	9.7	12.1	12.9	11.7	8.5	5.6	5.6	6.0
122.5°	6.0	6.0	7.2	8.9	10.9	11.3	10.1	7.2	5.2	5.2	5.2
125°	6.0	6.0	6.8	8.0	9.7	10.1	8.5	6.0	4.8	4.8	4.8
127.5°	6.0	6.0	6.4	7.6	8.5	8.9	7.6	5.6	4.4	4.4	4.8
130°	5.6	6.0	6.0	6.8	7.6	7.6	6.4	4.8	4.0	4.0	4.4
132.5°	5.6	5.6	6.0	6.4	6.8	6.8	5.6	4.4	3.6	4.0	4.0
135°	5.6	5.6	5.6	6.0	6.4	6.0	4.8	3.6	3.2	3.6	3.6
137.5°	5.2	5.2	5.2	5.6	5.6	5.2	4.4	3.2	3.2	3.2	3.2
140°	4.8	4.8	4.8	4.8	5.2	4.8	3.6	2.8	2.8	2.8	2.8
142.5°	4.4	4.4	4.4	4.4	4.4	4.0	3.2	2.4	2.4	2.4	2.4
145°	4.0	4.0	4.0	4.0	3.6	3.2	2.4	2.0	2.0	2.4	2.4
147.5°	3.2	3.2	3.2	3.2	3.2	2.8	2.0	1.6	2.0	2.0	2.0
150°	2.8	2.8	2.8	2.8	2.4	2.4	1.6	1.6	1.6	2.0	2.0
152.5°	2.0	2.0	2.0	2.4	2.0	1.6	1.2	1.2	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	1.6	1.2	0.8	1.2	1.6	1.6	1.6
157.5°	0.8	1.2	1.2	1.2	1.2	1.2	0.8	1.2	1.2	1.2	1.2
160°	0.4	0.4	0.8	0.8	1.2	1.2	0.8	0.8	1.2	1.2	1.2
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°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	63.6	63.2	62.8	62.4	62.0	62.0	61.6	61.2	60.8	60.4	60.4
5°	68.0	67.2	66.0	65.2	64.4	64.4	63.6	63.2	62.4	62.0	62.0
7.5°	74.9	74.4	72.0	70.8	69.6	69.2	68.4	67.6	66.8	66.8	66.8
10°	84.9	83.7	81.7	78.5	77.3	76.5	75.3	74.4	74.4	74.9	74.9
12.5°	100.2	97.0	94.2	89.7	87.3	85.7	84.9	85.3	87.3	88.1	87.3
15°	117.9	117.1	110.3	103.8	99.0	95.8	97.8	100.2	103.0	103.8	105.0
17.5°	142.5	139.6	130.4	121.1	112.3	110.7	113.1	117.1	120.3	122.7	124.8
20°	171.8	167.0	155.7	139.6	129.6	127.2	128.8	134.4	140.4	145.3	145.7
22.5°	208.9	201.6	181.5	161.4	146.5	142.5	144.5	153.3	162.2	168.2	167.8
25°	249.1	240.2	213.3	184.3	163.8	156.5	160.2	171.8	184.3	191.6	192.4
27.5°	294.2	285.3	247.9	206.4	179.5	168.6	174.7	187.9	204.8	213.7	215.3
30°	347.3	335.2	282.5	230.2	194.0	179.9	185.5	202.8	221.3	233.8	235.4
32.5°	402.4	383.5	317.1	249.5	204.0	187.1	193.6	213.7	235.0	248.7	251.1
35°	459.6	436.2	352.1	266.0	211.3	191.6	198.0	220.5	243.1	258.0	260.0
37.5°	524.0	493.0	383.9	278.5	215.3	192.8	199.2	221.7	244.7	259.2	261.2
40°	588.8	547.3	410.5	286.1	215.7	191.6	196.8	218.5	240.2	252.7	254.7
42.5°	658.4	604.4	437.0	288.1	213.7	188.3	192.8	212.1	230.6	240.2	241.5
45°	736.4	670.4	459.6	286.5	208.1	183.5	186.7	203.2	217.7	222.1	224.2
47.5°	818.9	735.6	476.9	281.7	202.4	178.3	180.3	194.0	203.2	203.6	204.0
50°	919.5	814.9	498.2	274.9	194.8	173.4	174.7	185.5	189.9	187.9	187.1
52.5°	1029.8	899.8	511.9	264.0	187.9	169.0	170.2	178.7	180.3	175.9	176.3
55°	1149.7	979.1	523.6	253.5	180.7	166.2	168.6	175.5	175.5	169.8	169.4
57.5°	1261.6	1060.0	528.8	240.2	174.7	164.2	168.2	175.1	174.3	169.0	168.6
60°	1369.9	1126.0	522.4	227.4	170.6	163.4	170.6	177.9	177.1	172.6	172.2
62.5°	1444.7	1167.4	506.3	214.5	167.0	164.6	173.4	181.9	181.9	177.1	177.1
65°	1476.9	1162.6	473.3	201.6	164.2	165.4	177.5	186.3	185.5	181.5	180.7
67.5°	1449.9	1118.7	429.0	189.1	161.8	166.2	179.5	188.7	187.9	183.5	182.7
70°	1363.4	1026.6	375.5	177.9	158.6	165.0	180.3	188.3	187.1	183.1	181.5
72.5°	1191.2	883.3	319.5	167.0	153.7	162.2	177.9	185.1	183.9	180.7	178.7
75°	981.1	712.3	264.0	154.9	147.7	156.9	172.6	179.1	177.5	174.7	172.6
77.5°	750.1	538.0	218.1	143.7	140.4	150.1	165.4	170.2	168.6	166.2	165.0
80°	530.8	383.1	175.5	131.2	130.0	139.6	152.5	157.8	156.9	154.5	152.5
82.5°	349.3	254.7	140.0	117.1	117.9	128.0	137.6	140.4	140.0	138.0	135.6
85°	215.3	167.8	110.3	101.0	104.6	112.7	120.7	121.1	119.9	119.5	115.9
87.5°	137.2	114.7	86.5	85.7	90.9	97.8	101.4	99.8	100.6	100.6	97.8
90°	89.3	80.5	69.2	71.6	77.3	82.5	84.1	79.7	82.1	80.9	79.7
92.5°	64.8	60.0	56.3	59.6	65.2	70.0	69.2	64.4	65.6	65.6	65.2
95°	49.1	46.7	47.1	50.3	54.7	57.9	56.3	52.3	52.7	51.9	50.7
97.5°	38.6	38.2	39.8	42.3	46.3	48.3	46.7	43.1	42.7	41.4	41.0
100°	30.6	31.0	33.4	36.2	38.6	40.2	39.0	35.4	33.8	31.8	31.4
102.5°	23.7	24.5	27.8	30.2	32.6	33.8	32.6	29.8	27.0	25.0	24.5
105°	18.5	19.3	22.9	25.4	27.4	28.2	27.4	24.1	21.3	18.9	18.9
107.5°	14.5	15.3	18.9	21.7	22.9	23.7	22.5	20.1	16.9	14.9	14.9
110°	11.7	12.5	15.7	18.1	19.3	20.1	18.9	16.1	13.7	12.1	12.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.3	10.5	12.9	15.3	16.5	16.9	15.7	13.7	10.9	10.1	10.1
115°	8.0	8.9	10.9	12.9	14.1	14.1	13.3	11.3	8.9	8.5	8.5
117.5°	6.8	7.6	9.3	11.3	12.1	12.1	11.3	9.3	7.6	7.2	7.2
120°	6.4	6.8	8.0	9.7	10.5	10.5	9.7	8.0	6.4	6.4	6.4
122.5°	5.6	6.0	7.2	8.5	9.3	9.3	8.5	6.8	5.6	6.0	6.0
125°	5.2	5.6	6.4	7.2	8.0	8.0	7.2	6.0	5.2	5.2	5.2
127.5°	4.8	5.2	5.6	6.4	6.8	6.8	6.4	5.2	4.8	4.8	4.8
130°	4.4	4.8	5.2	5.6	6.0	6.0	5.2	4.4	4.4	4.4	4.4
132.5°	4.4	4.4	4.4	4.8	5.2	5.2	4.8	4.0	4.0	4.0	4.0
135°	4.0	4.0	4.0	4.0	4.4	4.4	4.0	3.6	3.6	3.6	3.6
137.5°	3.6	3.6	3.6	3.6	4.0	4.0	3.6	3.2	3.2	3.2	3.2
140°	3.2	3.2	3.2	2.8	3.2	3.2	2.8	2.8	2.8	2.8	2.8
142.5°	2.4	2.8	2.4	2.4	2.4	2.4	2.4	2.0	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.0	2.0	2.0	2.0	1.6	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	1.6	1.2	1.6	1.2	1.6	1.6	1.6	1.6
150°	2.0	2.0	1.6	1.6	1.2	0.8	0.8	1.2	1.2	1.2	1.2
152.5°	1.6	1.6	1.6	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
155°	1.6	1.6	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.4	0.0	0.0	0.0
160°	1.2	1.2	1.2	0.8	0.4	0.4	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)