

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: P415320

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3787 lumens
Efficiency: N/A
Efficacy: 94.7 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 - G2

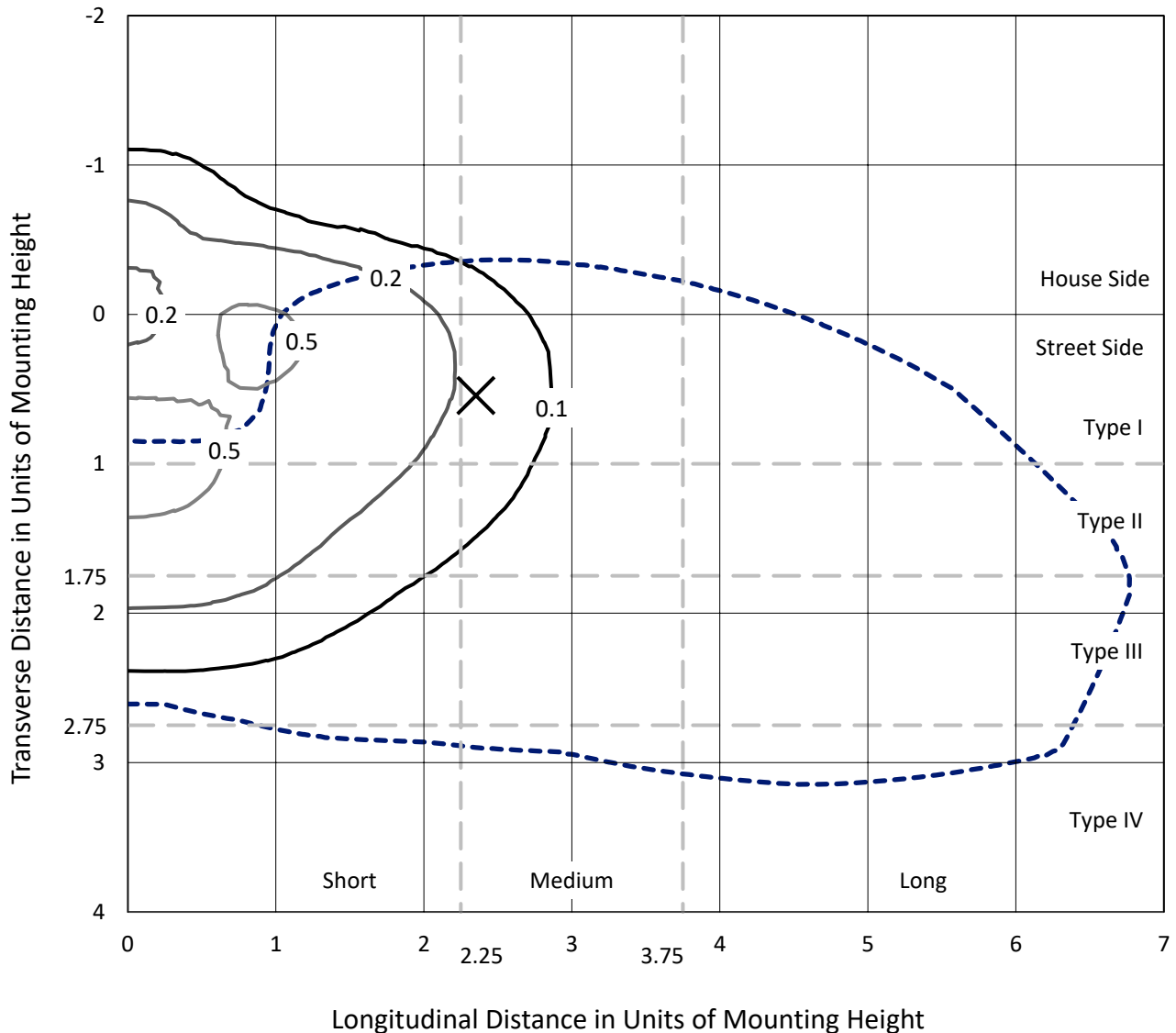
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

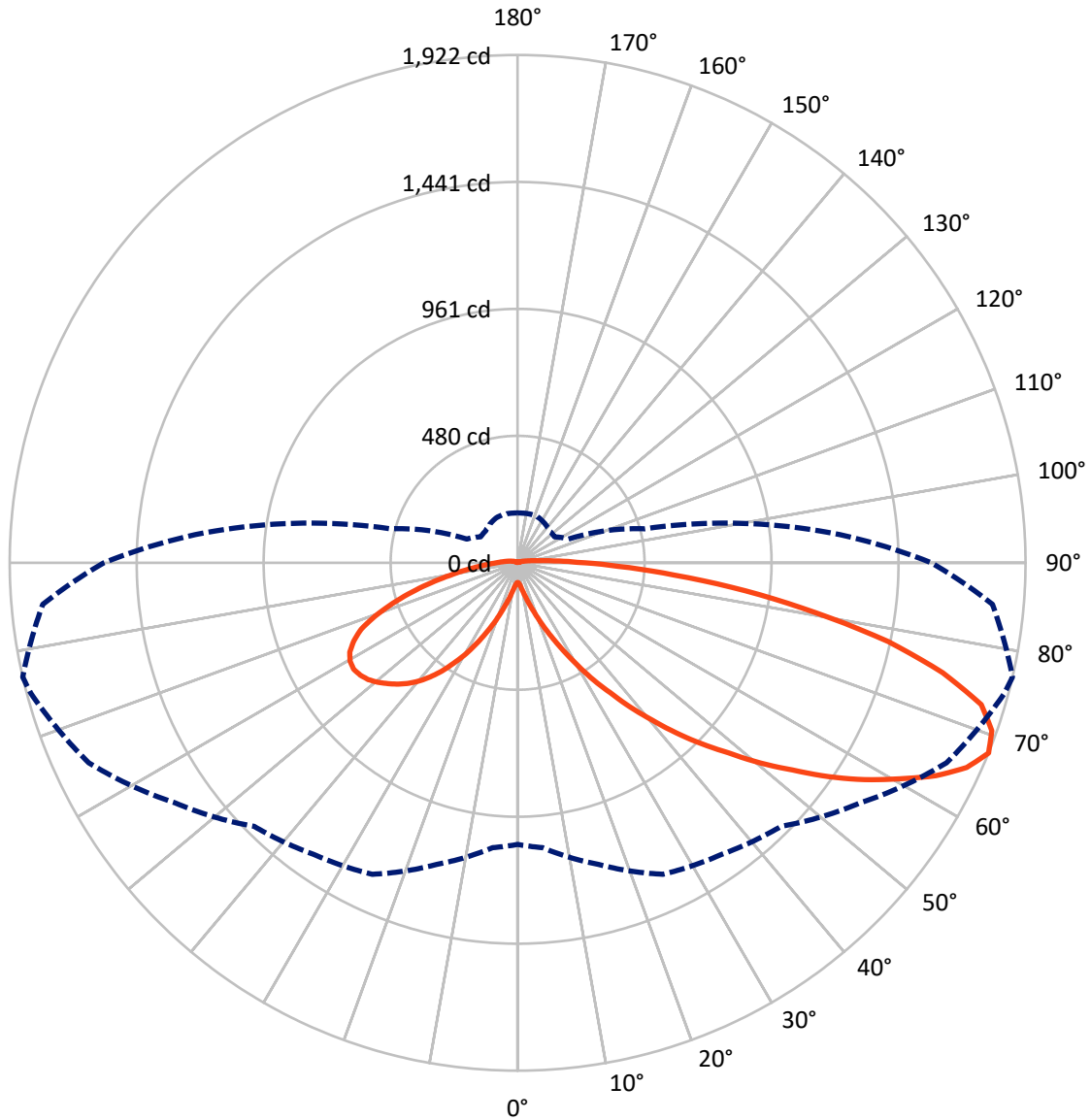
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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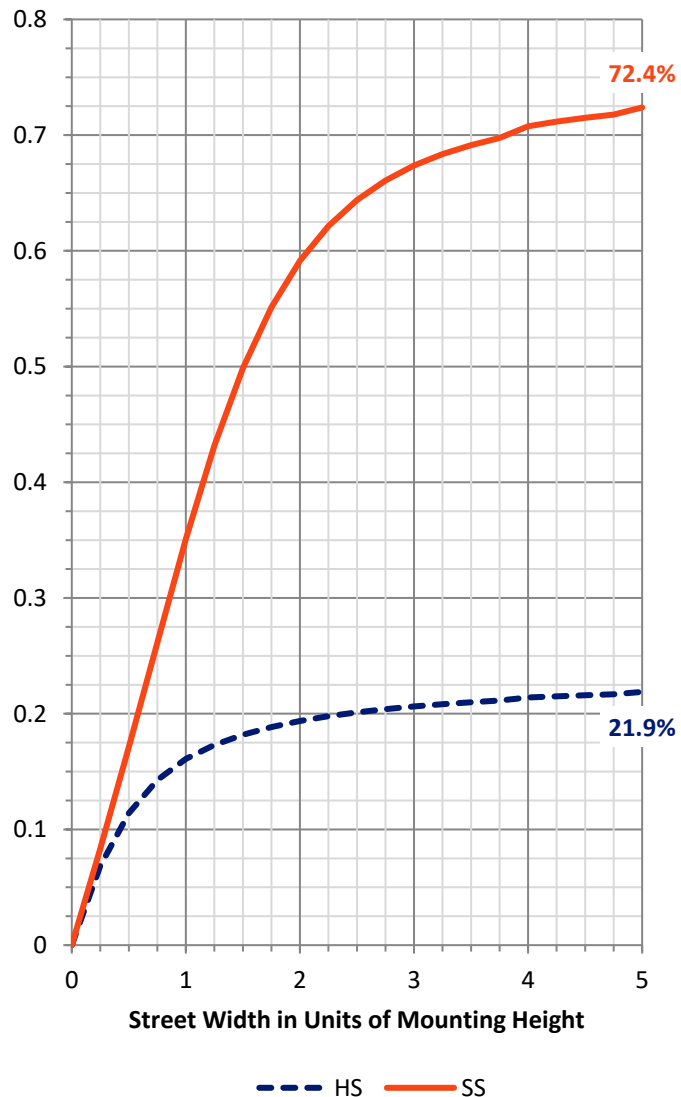
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	864.0	56.9	920.9
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2802.8	63.4	2866.1
	% Fixture	74.0	1.7	75.7
Total	Lumens	3666.8	120.3	3787.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.2
10°-20°	43.9	1.2
20°-30°	131.2	3.5
30°-40°	290.6	7.7
40°-50°	520.5	13.7
50°-60°	779.5	20.6
60°-70°	918.9	24.3
70°-80°	701.5	18.5
80°-90°	271.9	7.2
90°-100°	69.3	1.8
100°-110°	26.2	0.7
110°-120°	12.3	0.3
120°-130°	6.6	0.2
130°-140°	3.7	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°	3666.8	96.8
0°-180°	3787.0	100.0

Coefficient of Utilization



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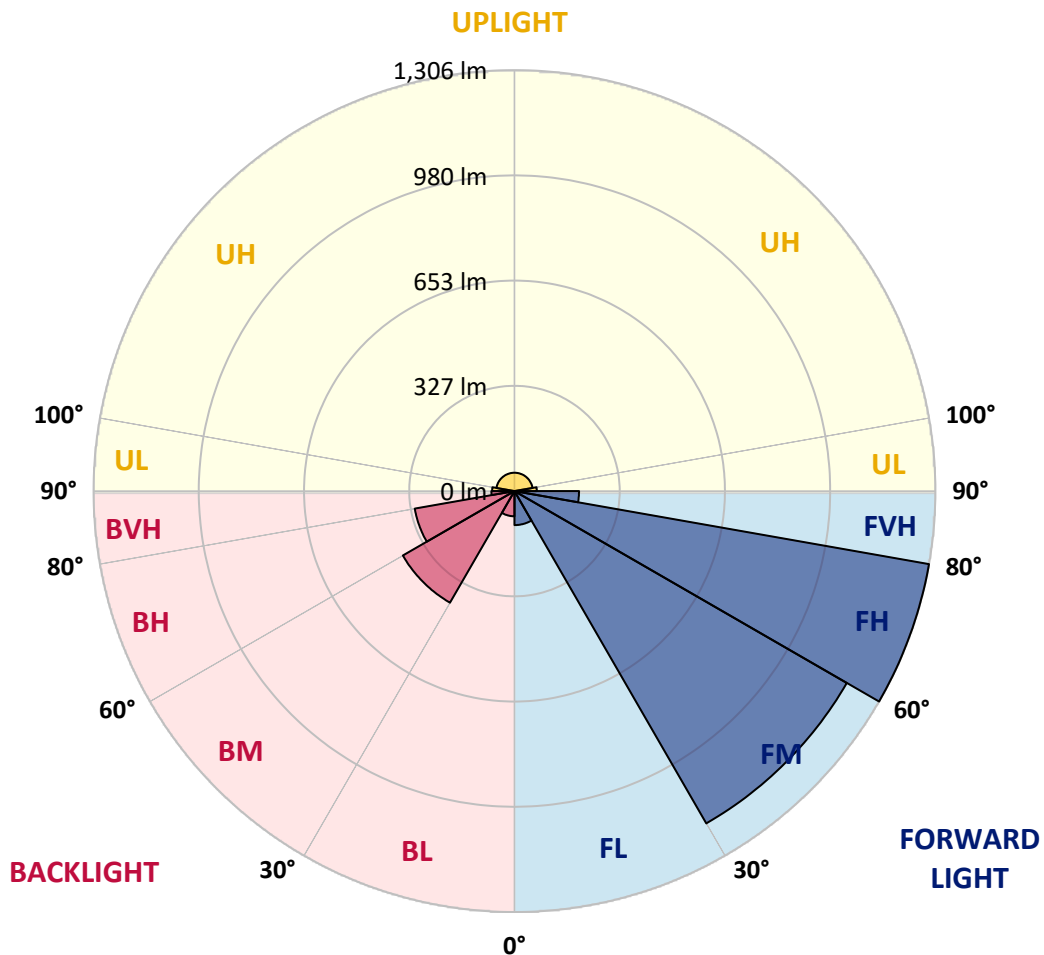
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.6	2.8			
FM (30°-60°)	1190.7	31.4			
FH (60°-80°)	1306.2	34.5			G1/1800
FVH (80°-90°)	200.3	5.3			G2/225
BL (0°-30°)	78.2	2.1	B0/110		
BM (30°-60°)	399.9	10.6	B1/1000		
BH (60°-80°)	314.2	8.3	B1/500		G1/500
BVH (80°-90°)	71.6	1.9			G1/100
UL (90°-100°)	69.3	1.8		U3/500	
UH (100°-180°)	56.9	1.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
2.5°	78.7	78.3	78.7	78.7	79.2	78.3	77.4	77.0	76.6	76.6	76.1
5°	87.0	86.1	86.6	87.0	86.6	85.7	84.4	84.0	83.1	83.1	82.2
7.5°	98.8	98.8	98.3	97.5	98.3	97.0	96.2	95.7	94.4	94.0	93.5
10°	116.6	115.7	115.3	114.4	113.6	113.1	111.4	111.4	109.2	110.1	108.8
12.5°	139.7	137.9	138.4	136.6	134.0	132.3	131.4	131.0	131.0	131.0	130.5
15°	167.5	166.2	165.8	161.8	159.2	157.1	155.3	155.8	157.9	158.4	156.6
17.5°	199.3	201.4	197.5	194.0	190.1	185.8	185.8	185.8	187.5	188.8	188.0
20°	243.6	239.3	234.9	229.3	222.8	219.3	217.5	222.8	225.8	228.0	227.1
22.5°	292.4	288.0	283.2	274.1	265.0	258.4	258.4	265.0	271.9	274.5	275.4
25°	347.6	350.2	338.5	324.6	308.0	302.4	303.2	312.8	323.3	325.4	330.7
27.5°	415.9	415.9	405.9	383.7	362.0	350.7	351.5	367.2	382.9	385.9	389.8
30°	499.0	496.0	482.5	452.9	424.2	402.9	406.8	425.9	450.7	453.3	458.1
32.5°	591.7	591.3	565.2	528.6	487.3	462.0	463.8	491.6	522.5	529.9	535.1
35°	694.4	697.0	663.0	610.0	562.1	528.2	533.8	565.6	601.7	603.4	610.0
37.5°	811.8	810.5	770.1	712.2	640.9	604.8	600.4	643.5	681.3	692.6	689.2
40°	941.9	928.0	888.9	817.1	729.2	680.9	681.8	726.1	777.5	781.0	780.1
42.5°	1070.3	1064.2	1016.8	919.7	825.8	768.8	770.9	813.6	866.7	880.2	870.6
45°	1208.6	1193.4	1142.1	1042.0	927.6	865.8	860.1	908.0	966.3	976.7	967.6
47.5°	1320.4	1310.9	1265.6	1159.0	1036.8	957.6	948.9	1007.6	1074.2	1075.1	1061.6
50°	1413.1	1408.3	1372.7	1278.2	1142.5	1060.3	1051.1	1109.4	1179.0	1190.4	1170.8
52.5°	1493.2	1485.3	1467.5	1374.4	1238.6	1148.2	1146.8	1210.8	1297.8	1303.0	1284.3
55°	1518.8	1523.6	1521.0	1455.3	1333.1	1235.2	1246.0	1332.2	1410.1	1428.3	1393.1
57.5°	1514.9	1514.9	1539.7	1509.7	1396.1	1313.9	1337.4	1441.4	1542.8	1548.4	1506.2
60°	1455.8	1457.1	1516.7	1524.9	1441.4	1381.4	1436.6	1552.3	1656.3	1659.8	1620.2
62.5°	1370.5	1367.4	1454.9	1496.6	1447.0	1421.4	1507.5	1649.4	1763.3	1775.1	1715.5
65°	1237.3	1243.0	1337.4	1420.5	1417.5	1436.6	1562.8	1736.8	1850.4	1867.3	1781.2
67.5°	1065.5	1082.0	1181.2	1300.4	1346.5	1410.1	1583.2	1790.3	1906.9	1921.7	1803.4
70°	882.8	878.8	986.3	1136.0	1226.0	1342.2	1560.6	1792.5	1908.2	1903.4	1756.0
72.5°	669.6	686.1	782.7	935.0	1068.5	1213.4	1487.1	1736.8	1835.1	1834.3	1630.6
75°	476.0	486.0	571.2	723.5	882.8	1062.9	1340.5	1615.4	1687.6	1661.5	1449.2
77.5°	314.1	323.3	396.8	535.6	683.1	873.6	1143.4	1403.5	1461.0	1434.0	1217.8
80°	195.3	199.7	255.4	365.5	496.4	677.0	925.8	1147.7	1170.3	1142.9	937.6
82.5°	116.2	119.6	159.7	234.5	353.7	492.9	697.9	879.7	887.1	868.4	676.1
85°	71.4	76.1	101.8	156.6	235.8	347.6	486.4	611.3	616.5	594.7	446.8
87.5°	46.6	49.2	69.2	101.8	158.8	232.8	325.9	406.8	395.0	381.6	282.4
90°	31.8	33.5	47.4	70.0	107.5	154.0	206.2	254.5	235.8	225.4	171.4
92.5°	22.2	23.9	34.8	50.5	74.4	103.1	134.0	152.3	144.4	139.7	107.9
95°	17.4	18.3	26.5	39.2	55.3	73.1	88.8	94.4	89.6	86.1	72.7
97.5°	13.9	14.8	22.2	31.8	43.1	54.4	61.8	63.5	58.7	57.0	50.5
100°	11.7	12.6	18.7	26.5	35.2	43.1	46.1	45.7	41.8	40.9	36.5
102.5°	10.4	10.9	16.5	23.1	30.0	34.8	36.5	34.4	30.5	30.0	27.4
105°	9.1	10.0	14.4	20.0	25.7	29.6	29.6	27.0	22.6	22.2	20.9
107.5°	8.7	8.7	12.6	17.4	22.2	24.8	24.8	21.8	17.8	17.0	16.1
110°	7.8	8.3	11.3	15.2	19.1	21.3	20.9	17.4	13.5	13.1	12.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	7.4	7.4	10.0	13.5	16.5	18.3	17.4	14.4	10.9	10.4	10.0
115°	7.0	7.0	9.1	12.2	14.8	16.1	14.8	11.7	8.7	8.3	8.7
117.5°	6.5	7.0	8.3	10.9	13.1	13.9	12.6	10.0	7.4	7.0	7.4
120°	6.5	6.5	7.8	9.6	11.3	12.2	10.9	8.3	6.1	6.1	6.5
122.5°	6.5	6.5	7.4	8.7	10.0	10.4	9.1	7.0	5.7	5.7	6.1
125°	6.1	6.1	7.0	7.8	9.1	9.1	8.3	6.1	4.8	4.8	5.7
127.5°	6.1	6.1	6.5	7.4	8.3	8.3	7.0	5.2	4.4	4.8	5.2
130°	5.7	5.7	6.1	6.5	7.4	7.0	6.1	4.8	3.9	4.4	4.8
132.5°	5.7	5.7	5.7	6.1	6.5	6.1	5.2	3.9	3.9	3.9	4.4
135°	5.2	5.2	5.7	5.7	5.7	5.2	4.4	3.5	3.5	3.5	3.9
137.5°	5.2	5.2	5.2	5.2	5.2	4.8	3.9	3.0	3.0	3.0	3.5
140°	4.8	4.8	4.8	4.4	4.4	3.9	3.0	2.6	2.6	2.6	3.0
142.5°	4.4	4.4	4.4	3.9	3.9	3.0	2.6	2.2	2.2	2.6	2.6
145°	3.9	3.9	3.9	3.5	3.0	2.6	1.7	1.7	2.2	2.2	2.6
147.5°	3.0	3.0	3.0	3.0	2.2	2.2	1.3	1.7	1.7	2.2	2.2
150°	2.6	2.6	2.6	2.6	1.7	1.3	0.9	1.3	1.7	1.7	1.7
152.5°	2.2	2.2	2.2	2.2	1.3	0.9	0.9	1.3	1.3	1.3	1.7
155°	1.3	1.3	1.7	1.3	0.9	0.4	0.9	0.9	1.3	1.3	1.3
157.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.9	0.9	0.9	1.3
160°	0.4	0.4	0.9	0.9	0.9	0.4	0.4	0.4	0.9	0.9	0.9
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°	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
2.5°	75.7	76.1	75.7	75.3	75.3	74.8	74.8	74.8	74.8	74.4	74.4
5°	82.7	82.2	81.8	80.9	80.1	79.2	79.2	78.7	78.3	77.9	77.9
7.5°	92.2	92.2	91.4	90.1	88.8	87.9	87.0	86.6	85.3	85.3	84.8
10°	107.0	107.0	104.4	103.1	100.9	98.8	97.9	96.6	95.7	95.3	94.8
12.5°	128.3	127.0	124.4	120.1	115.7	112.2	110.1	109.2	109.6	109.6	110.1
15°	155.8	153.1	149.2	141.0	133.1	127.9	126.6	126.6	127.0	127.0	127.5
17.5°	188.4	184.5	175.8	165.3	154.0	147.1	144.0	144.0	144.9	146.2	147.5
20°	228.0	224.5	211.0	192.7	175.8	166.6	161.4	161.0	162.7	166.6	165.8
22.5°	272.8	268.9	248.9	222.3	198.8	184.0	178.4	180.1	184.5	187.1	187.1
25°	326.7	320.2	290.2	251.5	221.5	200.6	193.2	195.8	202.3	205.4	206.7
27.5°	384.6	375.9	335.9	283.2	239.3	214.1	206.2	209.7	217.5	222.3	223.6
30°	453.3	438.1	383.7	312.8	255.4	223.6	215.4	221.9	230.6	236.2	237.5
32.5°	525.6	502.1	425.1	338.1	267.1	230.2	221.9	229.7	239.3	245.8	246.3
35°	597.8	570.8	470.7	358.5	273.2	233.2	224.5	233.6	244.1	249.3	250.6
37.5°	676.1	638.7	510.3	371.6	275.8	232.8	224.5	233.6	243.6	248.0	248.9
40°	751.4	705.3	545.6	379.4	275.0	229.3	221.5	231.0	239.7	242.8	242.3
42.5°	835.8	769.6	573.9	379.8	268.9	224.1	217.5	225.8	231.9	231.5	231.9
45°	916.3	837.9	594.7	376.8	260.6	217.5	212.3	219.7	221.9	219.7	219.3
47.5°	1004.6	905.8	611.3	368.9	250.6	211.4	206.7	212.3	212.8	208.0	207.1
50°	1098.1	973.7	626.5	354.6	238.9	204.5	201.4	206.2	205.4	197.5	196.2
52.5°	1189.5	1042.4	636.1	337.2	227.1	198.4	197.1	201.9	199.3	190.1	188.4
55°	1286.9	1106.0	637.8	319.8	215.8	193.2	193.2	198.4	195.3	185.8	184.5
57.5°	1382.2	1172.5	631.3	297.2	204.9	187.5	190.1	196.2	194.0	184.5	183.6
60°	1471.4	1222.6	613.5	275.8	194.9	183.6	188.0	194.9	193.2	185.3	184.5
62.5°	1540.6	1255.6	585.2	255.0	186.2	179.7	185.8	192.7	193.2	186.6	187.1
65°	1572.8	1255.6	544.3	234.1	178.4	175.8	183.6	191.4	192.3	188.4	188.4
67.5°	1565.8	1223.4	498.2	212.3	171.0	171.0	180.6	188.8	190.6	188.8	188.8
70°	1492.3	1136.4	435.1	194.9	163.6	165.3	175.8	184.5	187.1	187.5	187.1
72.5°	1372.7	1005.5	369.8	176.6	155.8	159.7	169.7	178.4	181.9	182.7	182.3
75°	1187.7	853.6	305.9	161.4	147.5	152.3	162.7	170.1	174.0	175.8	174.9
77.5°	954.5	677.4	250.6	146.2	137.9	143.1	153.1	159.2	164.0	166.2	164.5
80°	727.4	504.2	199.3	131.0	126.2	131.8	140.5	147.1	151.4	152.3	151.0
82.5°	516.4	357.6	159.7	116.6	113.6	118.3	126.2	130.5	135.7	135.3	132.7
85°	338.5	242.8	125.3	101.4	100.1	103.1	109.2	111.8	117.0	117.0	114.0
87.5°	220.1	161.0	98.8	85.3	86.6	89.2	92.2	94.4	96.6	97.0	94.4
90°	140.5	110.1	78.7	72.7	74.0	76.1	76.1	75.7	79.2	80.1	77.9
92.5°	92.2	78.3	65.3	61.8	62.7	63.1	63.1	61.3	64.4	64.8	63.1
95°	64.8	58.7	53.9	53.1	53.1	53.1	52.2	50.0	52.6	52.6	51.8
97.5°	48.7	45.7	45.2	45.2	45.2	44.8	43.5	42.6	43.5	43.5	43.1
100°	36.5	36.1	37.4	38.3	38.7	38.3	37.4	36.1	36.1	34.4	34.8
102.5°	27.8	28.7	31.3	32.6	32.6	32.6	32.2	30.5	29.6	27.8	27.4
105°	21.8	22.6	25.7	27.4	27.8	28.3	27.4	25.7	23.9	22.2	21.8
107.5°	17.0	18.3	20.9	23.1	23.9	23.9	23.5	21.8	19.6	17.4	17.4
110°	13.9	14.8	17.4	19.6	20.4	20.4	20.0	17.8	15.7	13.9	13.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.3	12.2	14.8	16.5	17.4	17.8	17.0	15.2	13.1	11.3	11.3
115°	9.6	10.4	12.6	13.9	14.8	14.8	14.4	12.6	10.9	9.6	9.6
117.5°	8.3	9.1	10.9	12.2	12.6	13.1	12.2	10.9	9.1	8.3	8.3
120°	7.4	7.8	9.6	10.4	10.9	10.9	10.4	9.1	7.8	7.4	7.4
122.5°	6.5	7.4	8.3	9.1	9.6	9.6	9.1	7.8	7.0	6.5	7.0
125°	6.1	6.5	7.4	8.3	8.3	8.3	7.8	7.0	6.1	6.1	6.1
127.5°	5.7	6.1	6.5	7.0	7.4	7.4	7.0	6.1	5.7	5.7	5.7
130°	5.2	5.7	6.1	6.1	6.5	6.5	6.1	5.2	5.2	5.2	5.2
132.5°	4.8	5.2	5.2	5.7	5.7	5.7	5.2	4.8	4.8	4.8	4.8
135°	4.4	4.4	4.8	4.8	4.8	4.8	4.4	4.4	4.4	4.4	4.4
137.5°	3.9	3.9	4.4	3.9	4.4	3.9	3.9	3.5	3.9	3.9	3.9
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.0	3.0	3.5	3.5	3.5
142.5°	3.0	3.0	3.0	2.6	2.6	2.6	2.6	2.6	3.0	3.0	3.0
145°	2.6	2.6	2.6	2.2	2.2	1.7	2.2	2.2	2.6	2.6	2.6
147.5°	2.2	2.2	2.2	2.2	1.7	1.3	1.3	1.7	2.2	2.2	2.2
150°	1.7	2.2	2.2	1.7	1.3	0.9	0.9	1.3	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.3	0.9	0.4	0.4	0.9	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	0.9	0.4	0.0	0.9	0.9	0.9	0.9
157.5°	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.4	0.9	0.4	0.4
160°	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.4	0.4	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)