

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: P255230

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4117.3 lumens
Efficiency: N/A
Efficacy: 102.9 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

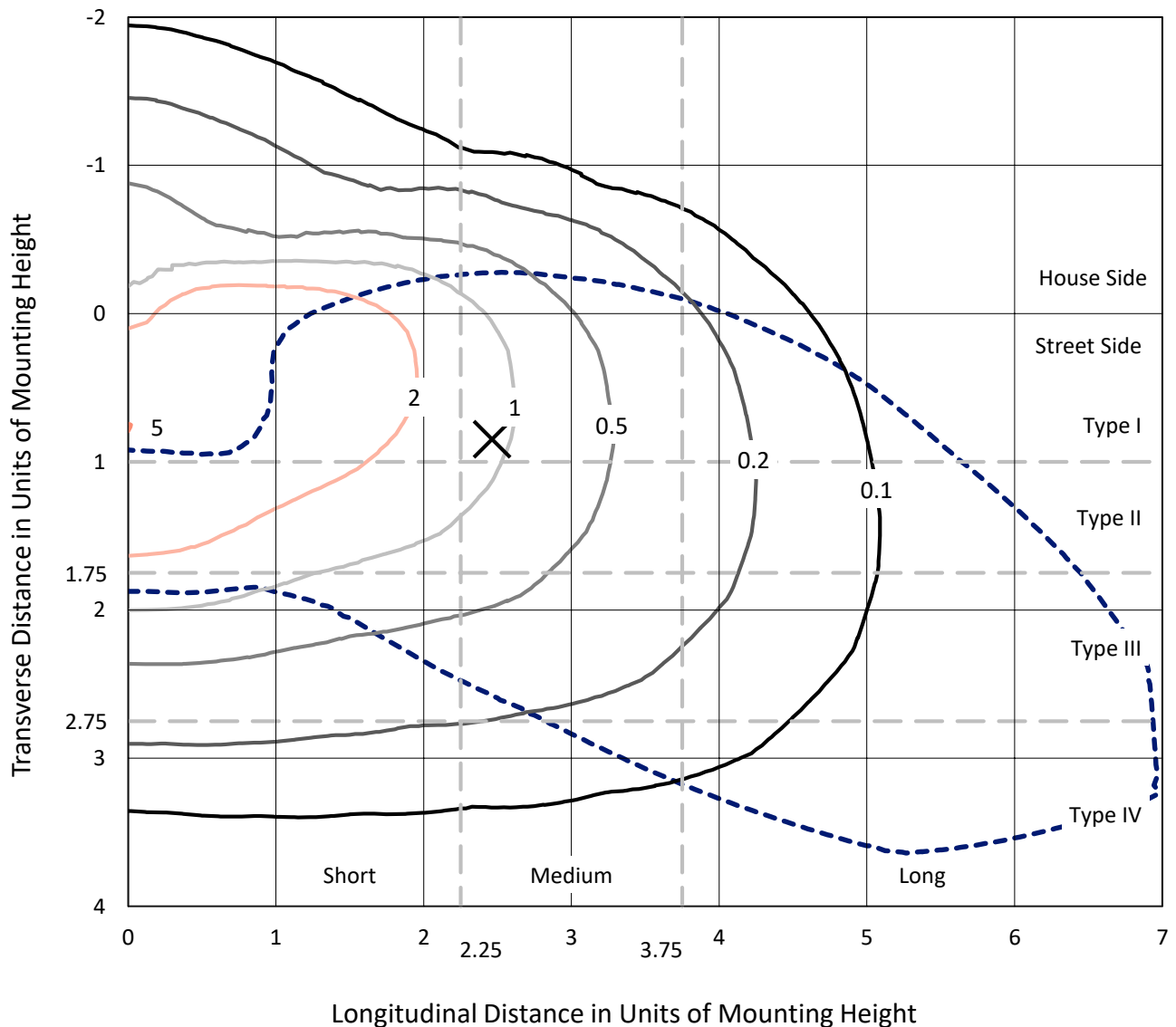
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

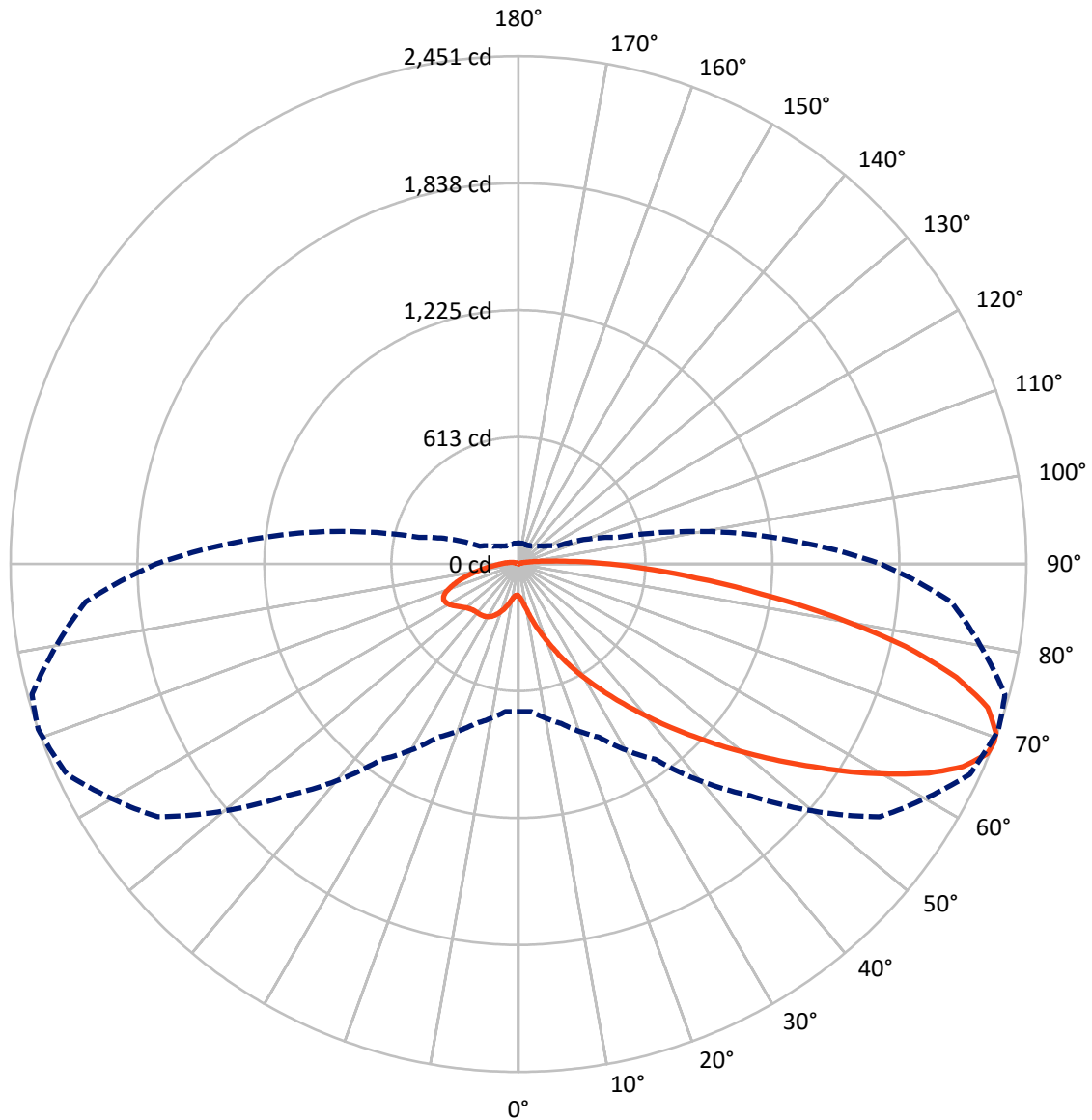
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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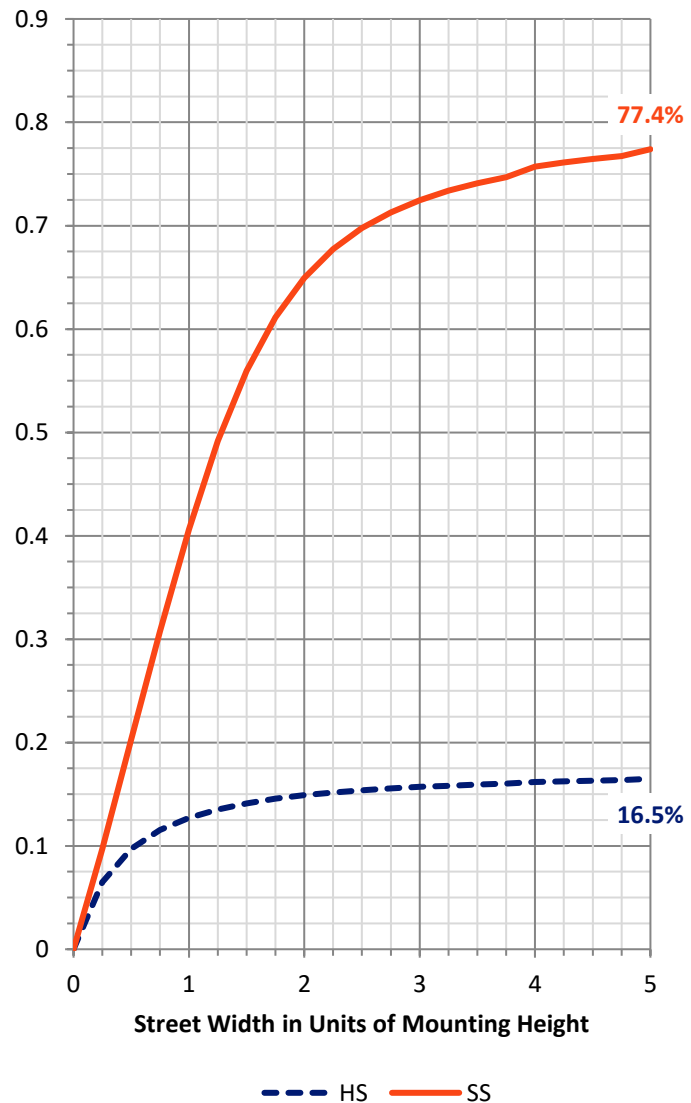
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	707.3	52.6	759.9
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	3276.1	81.3	3357.4
	% Fixture	79.6	2.0	81.5
Total	Lumens	3983.4	133.9	4117.3
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.4
10°-20°	67.0	1.6
20°-30°	162.0	3.9
30°-40°	315.3	7.7
40°-50°	539.6	13.1
50°-60°	805.2	19.6
60°-70°	968.3	23.5
70°-80°	774.8	18.8
80°-90°	334.9	8.1
90°-100°	90.0	2.2
100°-110°	27.7	0.7
110°-120°	10.5	0.3
120°-130°	3.8	0.1
130°-140°	1.5	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3983.4	96.7
0°-180°	4117.3	100.0

Coefficient of Utilization



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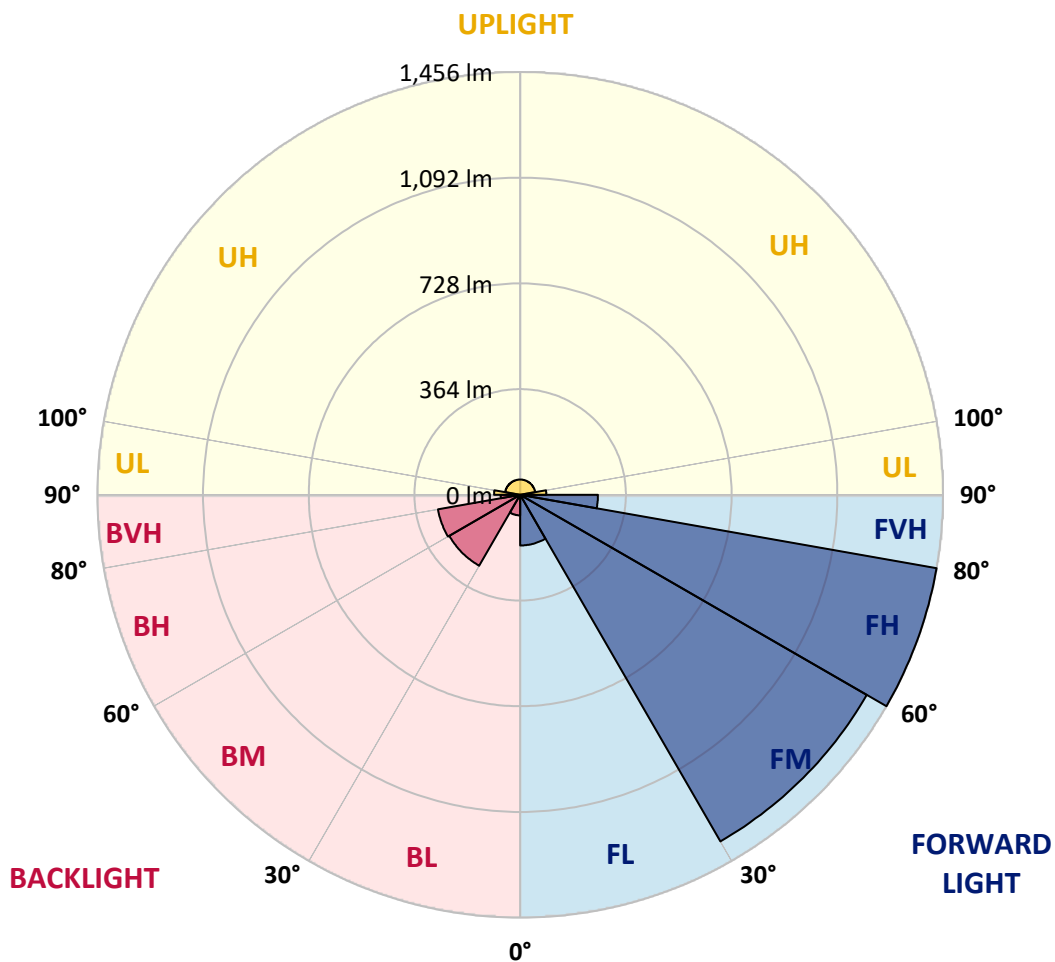
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.4	4.2			
FM	(30°-60°)	1378.0	33.5			
FH	(60°-80°)	1455.9	35.4			G1/1800
FVH	(80°-90°)	267.8	6.5			G3/500
BL	(0°-30°)	70.8	1.7	B0/110		
BM	(30°-60°)	282.1	6.9	B1/1000		
BH	(60°-80°)	287.2	7.0	B1/500		G1/500
BVH	(80°-90°)	67.2	1.6			G1/100
UL	(90°-100°)	90.0	2.2		U3/500	
UH	(100°-180°)	52.6	1.3		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°	71°	75°	85°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	174.9	174.9	174.4	174.9	172.4	171.3	168.3	165.2	163.2	162.6	158.0
5°	195.5	195.5	195.0	195.0	191.9	189.9	185.8	180.6	178.0	175.9	168.3
7.5°	219.1	218.6	218.1	218.6	215.9	211.3	207.8	201.1	198.6	194.5	184.7
10°	247.8	246.7	247.2	245.7	241.6	239.6	236.0	228.8	225.8	222.7	211.3
12.5°	282.6	282.6	281.6	278.5	274.5	273.4	271.9	267.8	263.7	259.6	243.7
15°	321.7	320.7	319.2	315.0	311.4	309.3	311.4	308.8	305.8	300.6	282.1
17.5°	366.3	364.3	361.7	356.6	351.0	352.0	354.0	352.0	347.8	346.3	324.3
20°	415.5	415.0	409.9	401.2	396.1	393.0	398.6	401.2	397.6	396.1	370.9
22.5°	474.0	470.5	463.8	453.1	443.8	438.6	444.8	454.1	453.1	451.0	424.3
25°	542.3	536.6	530.0	511.0	495.6	486.9	495.6	508.4	513.5	511.5	480.2
27.5°	618.8	611.0	600.3	578.2	553.1	535.6	547.9	564.9	577.7	578.7	540.7
30°	701.8	695.2	680.8	648.4	613.1	591.6	601.3	627.0	644.9	645.9	604.4
32.5°	796.8	789.6	760.9	726.5	680.8	651.1	660.8	694.2	715.7	722.9	673.6
35°	898.9	891.2	867.1	813.1	754.2	715.7	726.5	768.0	794.2	805.0	747.5
37.5°	1007.6	994.8	967.1	907.1	840.4	791.2	796.3	845.0	880.9	894.8	830.1
40°	1113.8	1108.7	1071.2	1001.0	920.5	867.1	871.7	928.6	973.7	989.7	918.4
42.5°	1222.6	1210.8	1175.4	1093.8	1005.0	947.0	958.4	1022.5	1077.9	1095.4	1010.7
45°	1326.3	1315.9	1270.8	1184.2	1091.8	1033.8	1049.6	1129.2	1186.7	1209.7	1115.8
47.5°	1420.2	1406.8	1361.1	1267.2	1176.9	1125.1	1145.6	1240.0	1307.2	1333.9	1233.9
50°	1487.9	1477.0	1430.4	1338.5	1255.0	1221.1	1259.0	1360.6	1436.5	1472.4	1362.2
52.5°	1517.6	1512.4	1467.8	1385.3	1322.7	1316.4	1386.3	1490.4	1576.6	1615.5	1499.1
55°	1506.8	1499.1	1474.0	1407.8	1374.4	1409.3	1519.7	1638.7	1726.9	1769.0	1646.3
57.5°	1445.7	1440.6	1438.6	1397.0	1404.7	1498.1	1651.6	1804.9	1891.6	1925.5	1793.6
60°	1342.1	1339.0	1360.1	1358.1	1412.4	1570.4	1790.6	1980.8	2057.9	2096.8	1937.8
62.5°	1187.7	1194.9	1243.1	1284.7	1387.3	1618.7	1917.8	2141.4	2222.1	2250.3	2049.6
65°	1007.1	1020.0	1084.6	1169.2	1329.3	1638.7	2032.7	2281.0	2358.0	2368.2	2121.0
67.5°	806.5	827.1	904.0	1021.5	1229.8	1620.3	2105.0	2374.9	2441.6	2428.8	2127.1
69°	712.1	714.6	796.3	922.5	1150.8	1580.7	2127.1	2402.6	2450.9	2430.8	2096.8
70°	642.8	646.9	727.5	857.8	1092.3	1542.2	2126.6	2409.3	2445.7	2414.4	2067.6
72.5°	476.1	491.5	571.5	705.9	941.9	1409.3	2057.9	2372.3	2368.7	2312.3	1911.1
75°	345.8	358.6	435.6	568.5	793.2	1234.4	1889.1	2219.5	2184.1	2111.7	1672.0
77.5°	246.7	250.4	318.6	446.8	654.7	1033.3	1631.0	1946.5	1909.5	1801.3	1369.3
80°	166.7	169.8	225.8	338.1	526.9	849.0	1342.6	1595.6	1546.3	1428.9	1039.4
82.5°	107.7	113.3	157.5	248.3	412.5	685.0	1060.5	1235.9	1179.5	1074.3	764.5
85°	75.4	76.9	109.3	179.5	309.9	530.0	805.5	919.9	861.4	774.7	533.6
87.5°	50.3	51.9	76.9	130.3	225.8	387.9	585.4	652.6	602.3	532.5	355.6
90°	31.8	34.4	53.4	92.9	162.6	270.9	404.8	437.1	401.2	344.2	220.7
92.5°	22.6	23.6	37.4	66.7	115.4	185.8	264.2	277.0	246.2	208.8	133.4
95°	15.3	16.4	27.2	47.7	83.1	125.2	168.3	168.8	144.1	123.2	84.7
97.5°	11.3	12.3	20.6	35.4	59.5	85.7	107.2	101.6	86.7	75.4	59.0
100°	9.2	9.7	16.4	27.2	43.1	60.6	70.3	63.6	56.0	50.3	43.1
102.5°	7.7	8.2	13.8	22.1	32.3	43.1	47.7	42.6	38.0	34.9	32.3
105°	6.6	7.2	11.8	18.5	26.2	31.8	33.9	30.3	27.7	25.7	24.1
107.5°	6.1	6.6	10.2	15.9	21.6	25.7	26.7	23.1	20.6	18.5	17.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	5.6	6.1	9.2	13.8	18.5	21.6	21.1	18.0	14.8	12.8	12.8
112.5°	5.1	5.6	8.2	12.3	15.9	18.0	17.5	13.3	10.7	9.2	9.2
115°	4.6	5.1	7.2	10.7	13.8	14.8	13.8	10.2	7.7	6.1	7.2
117.5°	4.1	4.6	6.1	9.2	11.8	12.3	10.7	7.7	5.6	4.6	5.1
120°	4.1	4.1	5.6	7.7	9.7	10.2	8.7	5.6	4.1	3.6	4.1
122.5°	3.6	4.1	5.1	6.6	8.2	8.2	6.6	4.1	3.1	3.1	3.6
125°	3.6	3.6	4.1	5.6	6.6	6.6	5.1	3.1	2.6	3.1	3.6
127.5°	3.1	3.6	4.1	5.1	5.6	5.6	4.1	2.6	2.6	2.6	3.1
130°	3.1	3.1	3.6	4.1	4.6	4.1	3.1	2.0	2.0	2.6	3.1
132.5°	3.1	3.1	3.1	3.6	4.1	3.1	2.0	2.0	2.0	2.0	3.1
135°	2.6	2.6	2.6	3.1	3.1	2.0	1.5	1.5	2.0	2.0	2.6
137.5°	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.5	1.5	2.0	2.6
140°	1.5	1.5	1.5	1.5	1.5	0.5	1.0	1.0	1.5	1.5	2.0
142.5°	1.0	1.0	1.0	1.5	1.0	0.5	0.5	1.0	1.5	1.5	2.0
145°	0.5	0.5	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.5	1.5
147.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.5
150°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	156.5	155.0	151.4	147.7	144.1	141.6	139.5	139.0	137.5	136.0	136.5
5°	164.7	161.1	155.0	147.2	140.0	133.9	129.3	125.2	122.7	119.6	120.1
7.5°	179.5	173.9	163.2	150.4	138.5	128.8	119.6	114.4	110.3	108.2	107.7
10°	202.1	194.5	176.5	158.0	140.0	125.7	114.4	107.7	103.6	101.1	101.1
12.5°	233.9	222.7	197.0	170.3	145.7	126.2	112.8	106.2	102.1	100.6	100.6
15°	268.8	254.0	219.6	183.1	151.4	127.8	113.3	106.2	102.6	101.1	100.6
17.5°	307.8	287.9	241.6	194.0	156.0	130.8	113.9	106.2	102.6	101.6	101.1
20°	349.8	324.8	264.2	204.2	159.6	131.3	113.3	105.7	103.1	102.6	102.6
22.5°	397.1	364.3	285.8	212.9	161.6	129.8	111.8	105.2	103.6	104.1	104.1
25°	446.3	405.3	306.3	218.1	159.6	126.2	110.3	105.2	104.6	106.2	106.2
27.5°	498.7	446.3	324.3	221.7	155.5	121.1	107.7	105.2	105.7	107.7	107.7
30°	553.6	488.5	339.6	221.2	150.4	117.0	106.2	104.6	106.7	109.8	109.8
32.5°	611.5	532.0	352.5	218.1	144.1	113.9	104.6	105.2	108.2	111.8	112.3
35°	671.1	573.1	362.7	211.9	138.5	111.3	104.6	106.2	109.8	113.9	114.4
37.5°	737.2	619.3	371.9	206.2	134.4	110.3	105.2	106.7	110.8	115.4	116.4
40°	808.5	669.5	378.6	199.1	131.3	110.8	106.2	107.7	111.3	116.4	117.5
42.5°	884.5	720.9	385.9	193.4	128.8	111.3	107.7	108.2	111.8	117.5	118.6
45°	970.7	778.3	394.0	188.3	128.3	113.3	108.7	108.2	111.3	118.6	119.1
47.5°	1069.2	850.2	406.3	184.7	128.3	114.9	109.8	108.2	110.8	118.6	119.6
50°	1176.9	925.6	421.3	183.7	129.8	117.0	110.8	108.2	110.3	116.4	117.5
52.5°	1291.4	1010.7	441.2	184.2	131.9	118.6	111.8	107.7	108.7	113.3	113.9
55°	1418.6	1101.5	463.8	187.3	134.9	120.6	112.3	106.7	106.7	109.8	109.8
57.5°	1543.2	1195.9	488.5	190.9	139.0	122.7	112.3	105.7	105.2	107.2	107.2
60°	1658.7	1274.9	512.5	195.5	142.6	123.7	111.8	104.6	103.6	105.2	105.7
62.5°	1755.2	1339.0	527.4	200.6	145.7	124.2	110.8	103.6	102.6	104.1	104.1
65°	1797.2	1369.8	530.5	204.2	148.7	123.7	109.3	102.1	101.6	102.6	103.1
67.5°	1790.1	1352.4	515.6	204.7	149.8	123.2	107.7	100.6	100.6	101.6	101.6
69°	1748.9	1314.9	496.6	203.7	149.8	121.6	106.2	99.5	100.0	101.1	101.1
70°	1710.0	1274.9	478.1	201.1	149.2	120.6	104.6	98.5	99.5	100.6	100.6
72.5°	1560.2	1144.1	429.4	192.9	145.2	117.0	101.6	95.4	97.5	99.5	99.0
75°	1343.1	970.2	371.9	180.0	138.5	111.8	97.5	91.9	94.9	97.5	97.0
77.5°	1081.0	775.7	311.9	165.2	130.3	105.2	92.4	87.8	91.3	94.4	93.9
80°	822.5	595.7	253.5	148.7	119.6	98.0	86.7	82.6	87.3	89.8	89.3
82.5°	601.3	435.6	199.1	132.4	109.3	90.3	80.0	76.9	81.5	84.2	83.1
85°	417.2	304.2	154.0	114.4	98.0	81.5	72.8	70.8	74.9	76.9	75.9
87.5°	275.5	205.2	119.1	99.0	87.3	73.3	66.2	64.1	68.2	69.3	68.7
90°	174.9	137.5	94.4	85.2	76.9	65.2	59.0	58.0	61.1	61.6	60.0
92.5°	111.8	94.4	76.4	73.3	67.2	58.0	52.9	51.4	53.9	53.9	52.4
95°	77.4	70.3	62.6	63.1	58.5	50.8	46.1	45.6	46.6	45.6	45.1
97.5°	56.0	53.4	51.9	53.9	50.8	44.1	40.5	39.5	40.0	38.5	38.0
100°	42.6	42.0	43.1	45.1	43.1	38.0	34.9	34.4	33.9	31.3	31.3
102.5°	32.8	32.8	35.4	38.5	36.4	32.3	30.3	29.3	27.7	25.2	24.7
105°	25.2	25.7	29.3	31.8	30.8	27.2	25.7	24.1	22.1	19.5	19.5
107.5°	19.0	20.0	23.6	26.2	25.2	22.6	21.1	19.5	17.5	14.8	15.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.3	15.3	19.0	21.1	20.6	19.0	17.5	15.9	13.3	11.3	11.8
112.5°	10.7	11.8	14.8	17.0	17.0	15.3	13.8	12.3	9.7	8.7	8.7
115°	8.2	9.2	11.8	13.3	13.3	11.8	10.7	9.2	7.2	6.6	6.6
117.5°	6.1	7.2	9.2	10.7	10.2	9.2	8.2	7.2	5.6	5.1	5.1
120°	5.1	5.6	7.2	8.2	7.7	7.2	6.1	5.1	4.1	4.1	4.1
122.5°	4.1	4.6	5.6	6.1	5.6	5.1	4.6	3.6	3.1	3.1	3.1
125°	3.6	4.1	4.6	4.6	4.1	3.6	3.1	2.6	2.0	2.6	2.6
127.5°	3.6	3.6	4.1	3.6	3.1	2.6	2.0	1.5	1.5	2.0	2.0
130°	3.1	3.6	3.6	3.1	2.6	1.5	1.5	1.0	1.0	1.5	1.5
132.5°	3.1	3.1	3.1	2.6	2.0	1.0	0.5	0.5	1.0	1.0	1.0
135°	2.6	3.1	2.6	2.0	1.5	1.0	0.0	0.5	0.5	0.5	0.5
137.5°	2.6	2.6	2.6	2.0	1.0	0.5	0.0	0.0	0.5	0.0	0.0
140°	2.0	2.0	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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

(END OF REPORT)