

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: P415085

Luminaire Tested: **LXF.LXT-PA1-40-740-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-740-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: 4656 lumens
Efficiency: N/A
Efficacy: 116.4 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

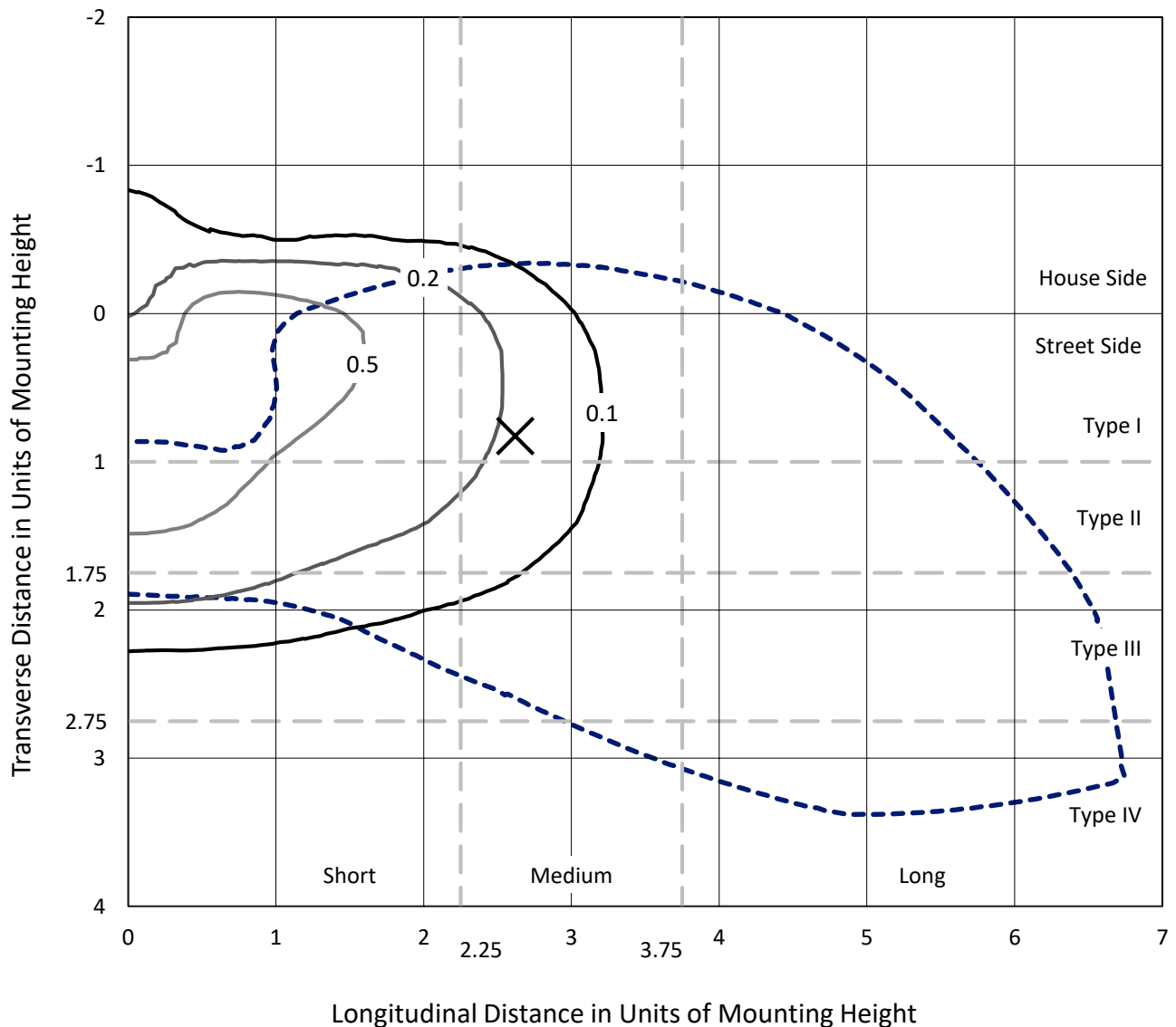
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

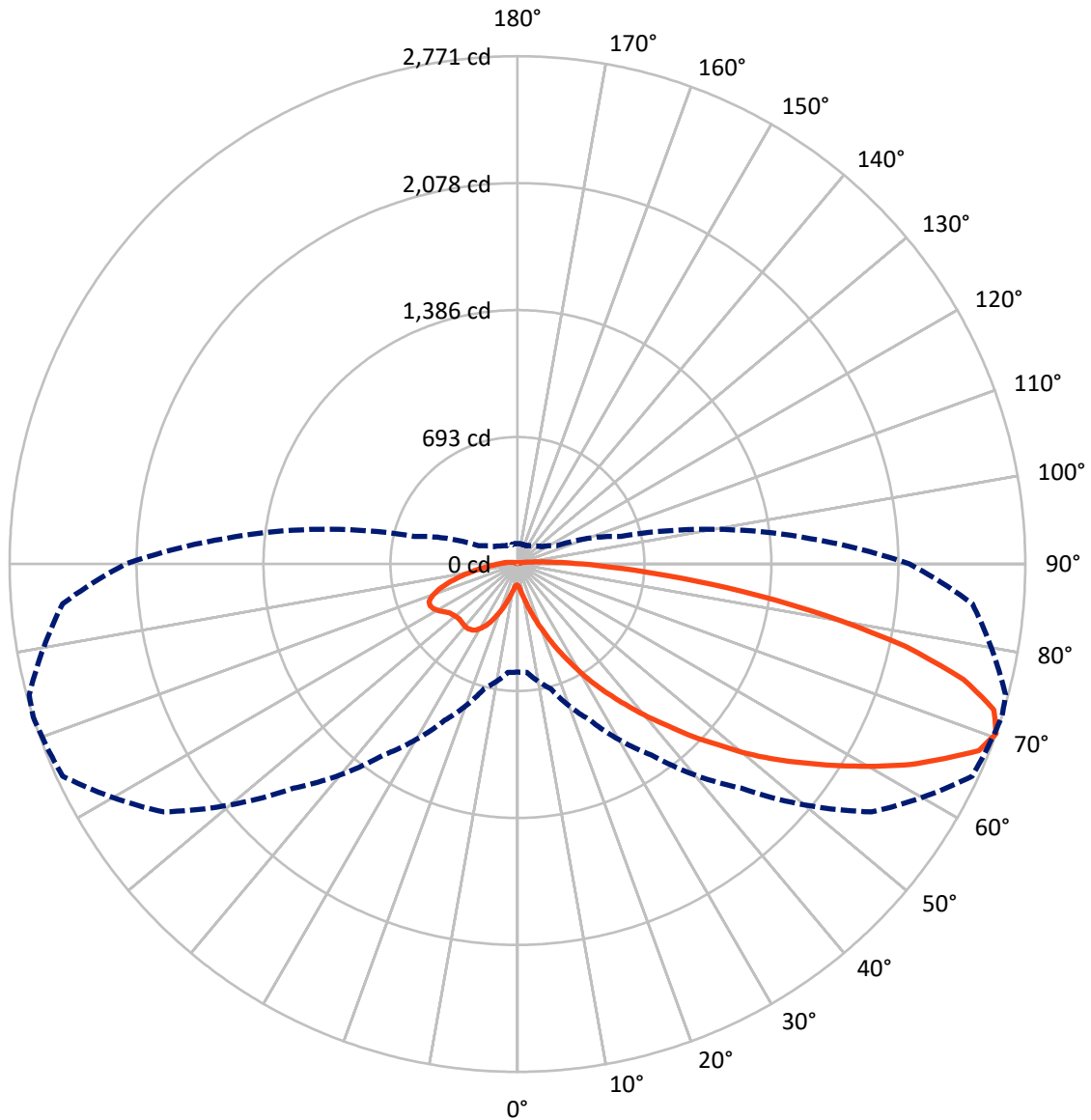
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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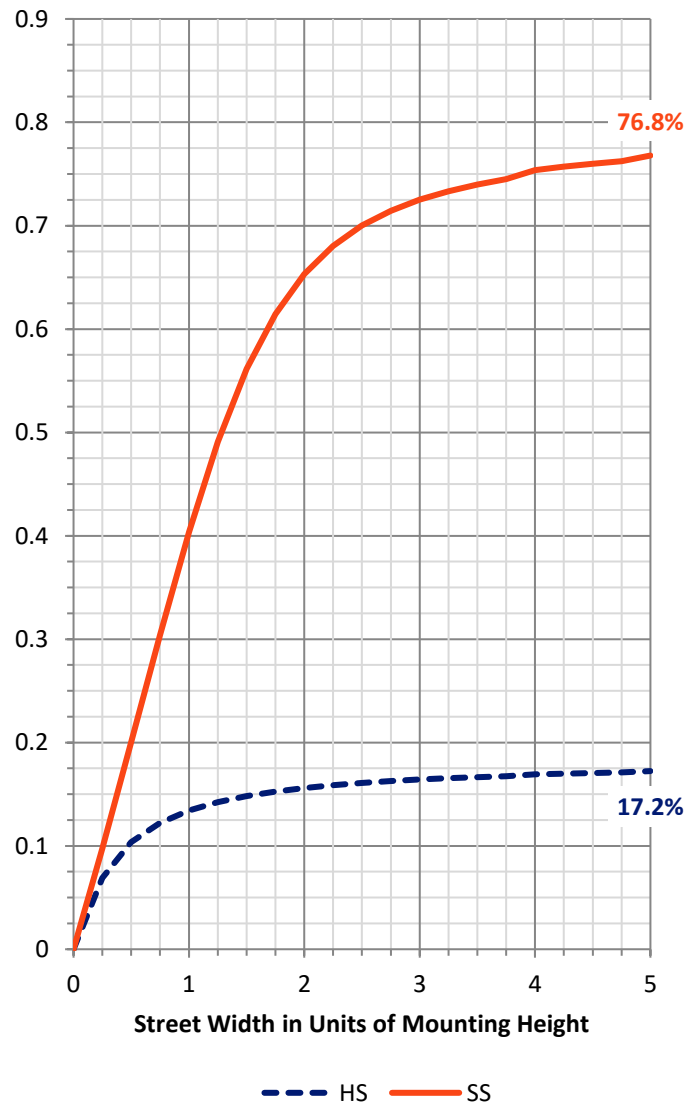
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	837.0	75.9	912.9
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	3655.4	87.7	3743.1
	% Fixture	78.5	1.9	80.4
Total	Lumens	4492.4	163.6	4656.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.3
10°-20°	63.0	1.4
20°-30°	175.9	3.8
30°-40°	364.7	7.8
40°-50°	629.9	13.5
50°-60°	930.2	20.0
60°-70°	1097.9	23.6
70°-80°	871.3	18.7
80°-90°	346.4	7.4
90°-100°	91.6	2.0
100°-110°	35.3	0.8
110°-120°	17.2	0.4
120°-130°	9.7	0.2
130°-140°	5.8	0.1
140°-150°	2.7	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4492.4	96.5
0°-180°	4656.0	100.0

Coefficient of Utilization



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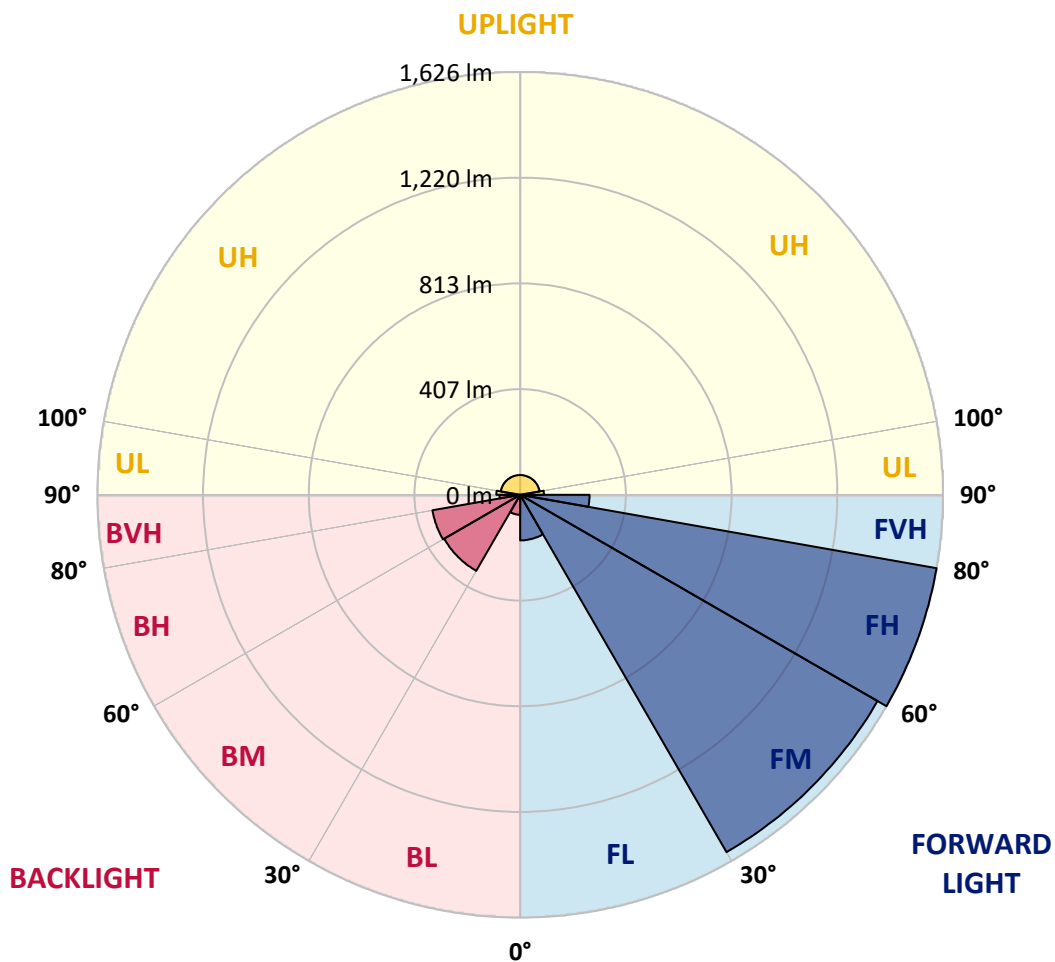
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.2	3.8			
FM	(30°-60°)	1587.0	34.1			
FH	(60°-80°)	1626.4	34.9			G1/1800
FVH	(80°-90°)	266.8	5.7			G3/500
BL	(0°-30°)	76.8	1.6	B0/110		
BM	(30°-60°)	337.7	7.3	B1/1000		
BH	(60°-80°)	342.8	7.4	B1/500		G1/500
BVH	(80°-90°)	79.7	1.7			G1/100
UL	(90°-100°)	91.6	2.0		U3/500	
UH	(100°-180°)	75.9	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°	72.5°	75°	85°
0°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	130.8	131.4	130.8	130.8	129.7	129.2	125.9	123.7	122.1	121.0	119.3
5°	151.6	152.7	152.2	152.2	149.5	147.8	144.0	139.6	136.3	135.8	130.8
7.5°	179.6	179.0	176.8	176.3	175.2	172.4	167.0	160.4	157.1	156.0	148.9
10°	214.1	211.3	212.4	208.6	206.4	202.0	197.1	192.2	185.6	185.6	175.7
12.5°	248.5	254.6	252.9	247.4	243.1	236.0	229.9	228.3	220.6	221.7	212.4
15°	304.9	304.4	299.5	295.6	286.9	278.1	272.6	268.8	266.6	265.0	254.6
17.5°	364.6	361.3	357.5	346.0	333.4	325.7	320.8	317.0	319.7	319.2	306.6
20°	433.6	429.8	424.3	403.5	387.1	375.0	372.3	376.6	378.3	382.7	370.1
22.5°	510.2	508.6	495.4	471.9	444.0	428.1	425.4	435.8	448.4	450.6	441.8
25°	602.2	600.0	581.9	548.0	511.3	487.2	487.2	503.7	524.5	529.4	525.0
27.5°	700.7	695.3	671.7	630.1	579.8	548.6	544.7	574.3	603.3	617.5	612.1
30°	814.1	813.0	774.1	723.2	663.0	613.1	611.5	654.8	695.8	702.4	703.5
32.5°	930.7	940.0	895.1	819.0	746.2	687.6	684.9	733.6	790.5	802.0	802.0
35°	1065.3	1065.9	1010.6	935.1	835.4	768.6	761.0	819.0	882.5	898.4	907.1
37.5°	1201.1	1197.8	1148.0	1044.0	932.3	851.8	844.7	913.2	985.4	1011.2	1009.5
40°	1334.7	1344.0	1281.0	1166.1	1031.4	949.8	932.3	1012.8	1096.0	1125.0	1113.5
42.5°	1478.7	1476.5	1420.1	1292.0	1142.0	1044.5	1034.1	1117.4	1209.9	1242.7	1232.3
45°	1604.6	1603.5	1542.2	1414.1	1247.7	1154.0	1139.8	1227.9	1344.0	1374.7	1353.3
47.5°	1720.7	1717.9	1654.4	1524.1	1340.2	1258.6	1259.7	1350.0	1473.2	1523.6	1490.7
50°	1810.4	1801.1	1761.2	1620.5	1440.4	1368.6	1389.4	1495.6	1627.0	1672.5	1636.9
52.5°	1858.6	1844.4	1813.2	1687.8	1535.1	1477.6	1517.5	1643.5	1773.2	1816.5	1777.6
55°	1835.6	1835.6	1818.1	1728.9	1602.4	1577.2	1657.7	1784.7	1919.9	1967.6	1933.1
57.5°	1743.1	1757.3	1765.5	1717.9	1648.9	1675.8	1803.3	1945.7	2075.4	2128.0	2082.5
60°	1581.1	1584.9	1645.1	1658.8	1667.5	1759.5	1954.4	2124.1	2240.7	2282.3	2230.9
62.5°	1351.7	1369.7	1443.1	1544.4	1640.2	1829.0	2113.2	2303.7	2408.8	2436.7	2361.7
65°	1096.6	1092.2	1227.9	1379.6	1564.6	1849.3	2241.3	2477.8	2559.4	2596.6	2466.3
67.5°	831.6	828.8	954.2	1176.5	1436.5	1828.0	2345.3	2625.6	2715.4	2716.5	2532.0
70°	589.6	594.0	705.1	941.1	1271.2	1730.5	2357.9	2738.4	2771.2	2758.1	2492.0
72.5°	400.2	403.5	509.1	721.0	1052.2	1572.8	2252.8	2726.3	2718.7	2682.0	2327.8
75°	257.9	279.7	358.0	548.0	851.8	1345.6	2048.6	2553.9	2513.9	2453.1	2042.6
77.5°	177.9	188.9	249.1	399.1	665.7	1111.3	1759.0	2207.3	2165.7	2091.3	1646.7
80°	120.4	125.4	171.4	298.4	523.9	873.7	1433.2	1777.0	1705.3	1628.7	1235.1
82.5°	80.5	89.8	123.2	214.1	396.4	674.5	1090.0	1357.1	1243.3	1177.0	867.7
85°	53.7	58.6	87.6	155.5	286.9	491.1	784.5	921.9	821.7	763.2	554.6
87.5°	36.1	40.5	62.4	111.1	212.4	356.9	525.6	595.6	515.2	478.5	335.6
90°	24.1	26.8	46.0	79.9	150.0	249.1	354.8	367.9	315.9	293.4	205.3
92.5°	17.0	19.7	34.5	59.1	105.1	173.0	227.7	222.8	186.1	175.2	132.5
95°	13.1	15.3	26.8	45.4	76.6	118.8	148.4	135.8	117.7	113.9	91.4
97.5°	11.5	12.6	22.4	36.7	58.0	84.3	96.4	92.0	79.4	77.2	66.8
100°	10.4	11.5	19.7	31.8	46.5	61.9	69.0	64.1	57.5	55.8	49.3
102.5°	9.9	10.4	17.5	27.4	38.3	48.7	53.1	47.6	42.7	42.2	37.8
105°	9.3	9.9	15.3	23.5	32.3	40.0	41.6	37.2	33.4	31.8	28.5
107.5°	8.8	8.8	13.7	20.8	27.9	33.4	34.5	30.1	25.7	24.6	22.4
110°	8.2	8.8	12.6	18.6	24.6	29.0	29.0	24.6	20.3	19.2	18.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	8.2	8.2	11.5	16.4	21.9	25.2	24.6	20.3	16.4	14.8	14.8
115°	7.7	8.2	10.9	15.3	19.7	21.9	20.8	17.0	13.1	12.0	12.6
117.5°	7.7	8.2	9.9	13.7	17.5	19.2	18.1	14.2	10.9	10.4	11.5
120°	7.7	8.2	9.9	12.6	15.3	17.0	15.9	12.0	9.9	9.3	10.4
122.5°	8.2	8.2	9.3	11.5	14.2	15.3	13.7	10.4	8.8	8.2	9.3
125°	8.2	8.2	9.3	10.9	13.1	13.7	12.0	9.3	7.7	7.7	8.8
127.5°	8.2	8.2	9.3	10.4	12.0	12.0	10.9	8.2	7.1	7.1	8.2
130°	8.2	8.2	8.8	9.9	10.9	10.9	9.3	7.1	6.6	6.6	7.7
132.5°	8.8	8.8	8.8	9.3	9.9	9.9	8.2	6.6	6.0	6.0	7.7
135°	8.2	8.2	8.2	8.8	8.8	8.8	7.1	6.0	5.5	6.0	7.1
137.5°	7.7	7.7	8.2	8.2	8.2	7.7	6.0	4.9	4.9	5.5	6.6
140°	7.7	7.1	7.7	7.7	7.1	6.6	5.5	4.4	4.4	4.9	5.5
142.5°	6.6	6.6	6.6	6.6	6.0	5.5	4.4	3.8	4.4	4.4	4.9
145°	6.0	6.0	6.0	5.5	5.5	4.4	3.3	3.3	3.3	3.8	4.4
147.5°	4.9	4.9	4.9	4.9	4.4	3.8	2.2	2.7	2.7	2.7	3.3
150°	3.8	3.8	4.4	3.8	3.3	2.7	1.6	2.2	2.7	2.7	2.7
152.5°	3.3	3.3	3.3	3.3	2.7	1.6	1.6	2.2	2.2	2.2	2.7
155°	2.2	2.2	2.2	2.2	1.6	1.1	1.6	1.6	2.2	2.2	2.2
157.5°	1.1	1.1	1.6	1.6	1.1	1.1	1.1	1.6	1.6	1.6	1.6
160°	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
162.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
165°	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
167.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
170°	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
172.5°	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
175°	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
177.5°	0.0	0.5	1.1	1.1	1.6	1.1	1.1	1.1	1.1	1.1	1.6
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	118.3	117.2	115.0	112.8	111.1	109.5	108.4	106.8	105.7	105.7	105.7
5°	127.6	126.5	121.0	115.5	110.6	106.2	102.9	99.1	97.4	95.8	96.4
7.5°	146.2	142.3	133.6	124.3	116.1	107.3	100.7	95.3	92.0	89.8	89.8
10°	171.4	165.3	152.2	138.0	124.3	111.7	101.8	94.2	88.7	86.5	86.5
12.5°	203.7	197.6	177.4	156.0	135.2	117.2	104.6	94.7	88.7	86.0	86.0
15°	246.9	236.5	209.1	178.5	148.4	123.7	107.3	99.1	95.3	93.6	93.6
17.5°	298.4	283.0	247.4	201.5	161.5	130.3	114.4	106.8	103.5	102.9	102.9
20°	358.6	339.4	285.8	224.5	171.9	138.5	120.4	113.9	112.8	113.3	113.3
22.5°	427.0	399.1	325.2	245.3	181.8	143.4	124.8	119.3	120.4	123.2	122.6
25°	499.3	469.7	368.4	263.9	188.3	145.6	127.6	124.3	128.7	131.9	131.9
27.5°	583.6	537.6	407.9	277.0	190.0	144.0	128.1	126.5	132.5	137.4	138.5
30°	669.5	610.4	441.8	285.2	186.7	140.1	125.9	127.0	134.1	140.7	141.2
32.5°	756.6	679.4	469.7	286.9	181.2	135.2	123.7	125.9	133.6	140.7	141.8
35°	843.1	744.0	488.3	280.8	172.4	130.3	119.9	123.7	131.4	139.6	140.7
37.5°	927.9	805.3	499.8	271.0	163.7	125.9	117.2	121.0	128.7	138.0	139.1
40°	1020.5	871.0	506.4	259.5	154.9	122.1	115.5	119.3	127.0	135.8	137.4
42.5°	1105.3	931.2	506.9	245.3	148.4	120.4	114.4	117.7	124.8	134.1	135.8
45°	1215.9	993.1	506.9	233.2	144.0	119.9	114.4	117.2	123.7	133.6	135.8
47.5°	1320.5	1064.3	508.0	222.8	141.8	121.0	115.5	116.6	122.1	133.6	135.8
50°	1442.0	1132.7	516.8	215.1	141.2	123.2	117.2	116.1	120.4	132.5	135.2
52.5°	1563.0	1223.0	527.7	209.7	142.3	125.4	118.3	116.1	118.8	129.7	133.0
55°	1695.5	1309.0	539.8	210.2	144.5	127.6	119.9	115.5	116.6	125.4	128.7
57.5°	1828.0	1409.7	566.1	213.5	147.3	130.3	121.5	115.5	113.9	120.4	123.2
60°	1944.0	1498.4	593.4	220.6	151.1	133.0	122.6	115.0	111.7	115.5	117.7
62.5°	2066.6	1595.3	615.3	226.6	155.5	135.2	122.6	114.4	110.0	112.8	113.9
65°	2146.6	1652.8	626.8	234.3	159.9	136.9	123.2	113.3	109.5	111.1	112.2
67.5°	2187.6	1662.1	619.2	237.0	163.7	138.0	122.6	112.2	110.0	111.1	112.2
70°	2138.9	1600.2	582.5	235.4	164.8	138.0	121.5	111.1	110.0	111.7	112.2
72.5°	1962.6	1451.3	528.3	227.2	163.1	135.8	119.9	109.5	109.5	112.2	112.2
75°	1690.0	1237.2	457.1	214.6	158.8	132.5	116.6	106.8	107.8	111.7	111.7
77.5°	1353.3	978.9	376.6	196.5	150.6	127.0	112.2	102.9	105.7	110.0	109.5
80°	1007.3	729.2	303.3	176.3	139.6	119.3	106.2	98.5	102.4	106.2	105.1
82.5°	671.2	511.9	239.8	154.9	128.1	111.7	99.6	92.5	97.4	101.3	99.6
85°	435.8	341.1	185.6	133.6	116.1	102.9	91.4	86.0	90.9	94.2	92.5
87.5°	271.5	228.8	141.2	113.9	103.5	93.1	84.3	78.3	83.2	86.5	84.3
90°	179.6	153.3	111.1	98.5	92.0	83.8	75.5	71.2	76.1	77.2	75.5
92.5°	118.3	108.4	90.3	84.3	81.0	74.5	68.4	64.6	68.4	69.0	67.9
95°	84.9	82.1	74.5	73.4	71.7	66.2	61.3	58.0	60.2	60.8	58.6
97.5°	64.6	64.1	63.5	63.5	62.4	58.6	54.2	51.5	52.6	52.0	50.4
100°	50.4	51.5	53.1	54.2	53.7	50.9	47.6	45.4	46.0	43.8	42.2
102.5°	39.4	41.6	44.3	46.0	46.0	43.8	42.2	40.0	38.3	35.6	35.0
105°	31.2	32.8	36.7	39.4	39.4	38.3	36.7	33.9	32.3	29.0	29.0
107.5°	24.6	26.8	31.2	33.4	33.9	32.8	31.8	29.6	26.8	23.5	23.5
110°	19.7	21.4	26.3	28.5	29.0	28.5	27.4	24.6	21.9	19.7	19.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.4	18.1	21.9	24.1	25.2	24.6	23.5	20.8	18.1	16.4	16.4
115°	14.2	15.9	18.6	20.8	21.4	21.4	19.7	18.1	14.8	14.2	14.2
117.5°	12.6	13.7	16.4	18.1	19.2	18.6	17.0	15.3	13.1	12.6	12.6
120°	11.5	12.6	14.8	16.4	16.4	15.9	14.8	13.1	11.5	10.9	11.5
122.5°	10.4	11.5	13.1	14.2	14.2	14.2	13.1	11.5	9.9	9.9	10.4
125°	9.9	10.4	12.0	12.6	13.1	12.6	11.5	9.9	8.8	9.3	9.3
127.5°	9.3	9.9	10.9	11.5	11.5	10.9	9.9	8.8	7.7	8.2	8.8
130°	8.8	9.3	9.9	10.4	10.4	9.9	8.8	7.7	7.1	7.7	7.7
132.5°	7.7	8.2	8.8	9.3	8.8	8.8	7.7	6.6	6.6	7.1	7.1
135°	7.1	7.7	7.7	8.2	7.7	7.7	6.6	6.0	6.0	6.6	6.6
137.5°	6.6	7.1	7.1	7.1	6.6	6.6	6.0	5.5	5.5	5.5	6.0
140°	6.0	6.0	6.0	6.0	5.5	5.5	4.9	4.4	4.9	4.9	4.9
142.5°	5.5	5.5	5.5	4.9	4.9	4.4	3.8	3.8	4.4	4.4	4.4
145°	4.4	4.4	4.4	3.8	3.8	3.3	3.3	3.3	3.8	3.8	3.8
147.5°	3.8	3.8	3.8	3.3	2.7	2.7	2.7	2.7	3.3	3.3	3.3
150°	3.3	3.3	3.3	2.7	2.2	2.2	1.6	2.2	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.2	1.1	1.6	2.2	2.2	2.2	2.2
155°	2.2	2.2	2.7	2.2	1.6	0.5	1.1	1.6	1.6	1.6	1.6
157.5°	2.2	2.2	2.2	1.6	1.1	0.5	1.1	1.1	1.6	1.1	1.6
160°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	1.1	1.1	1.1
162.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	1.1	0.5	0.5	0.5
165°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
170°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
175°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)