

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: P254690

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4170.5 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

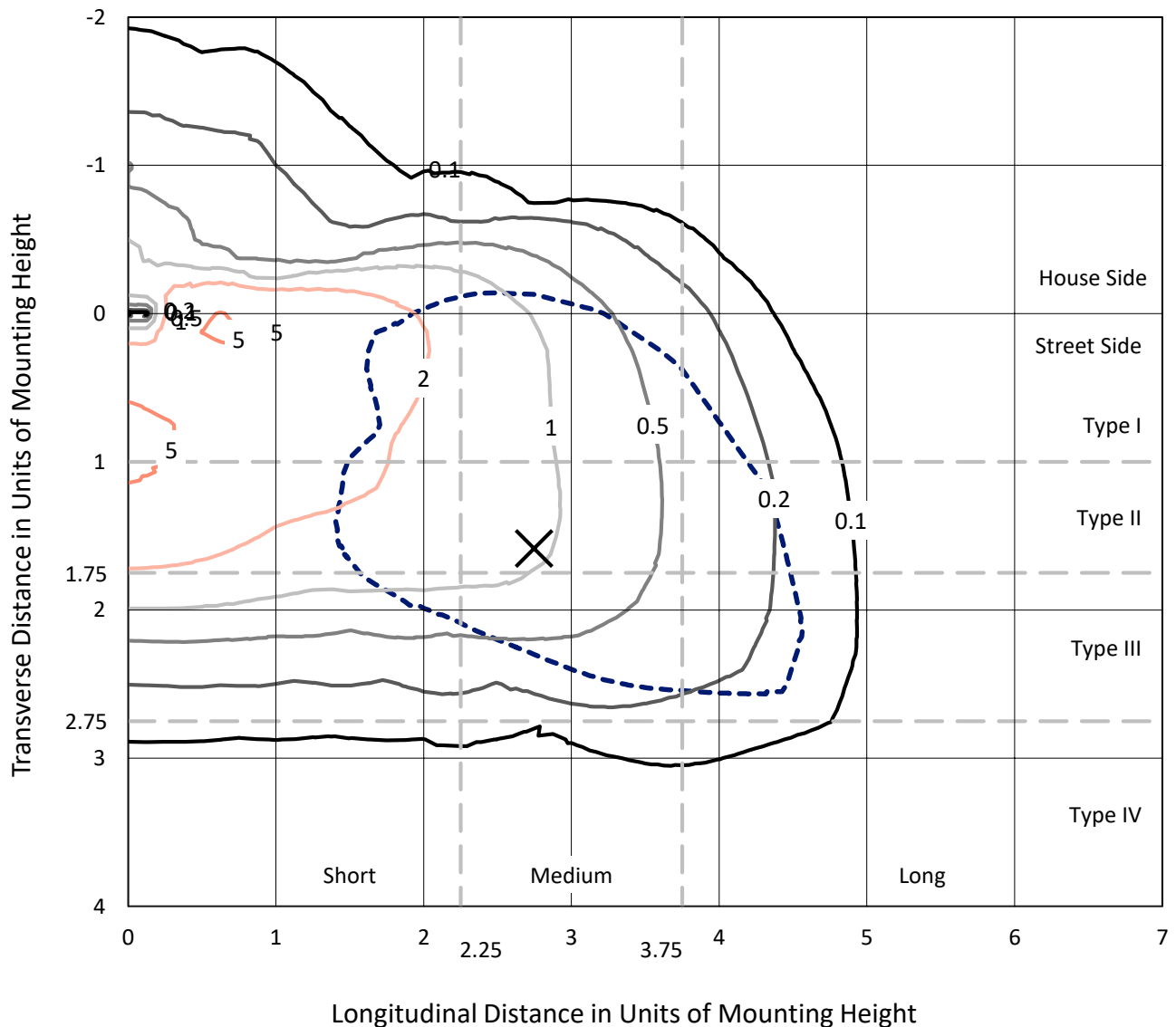
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

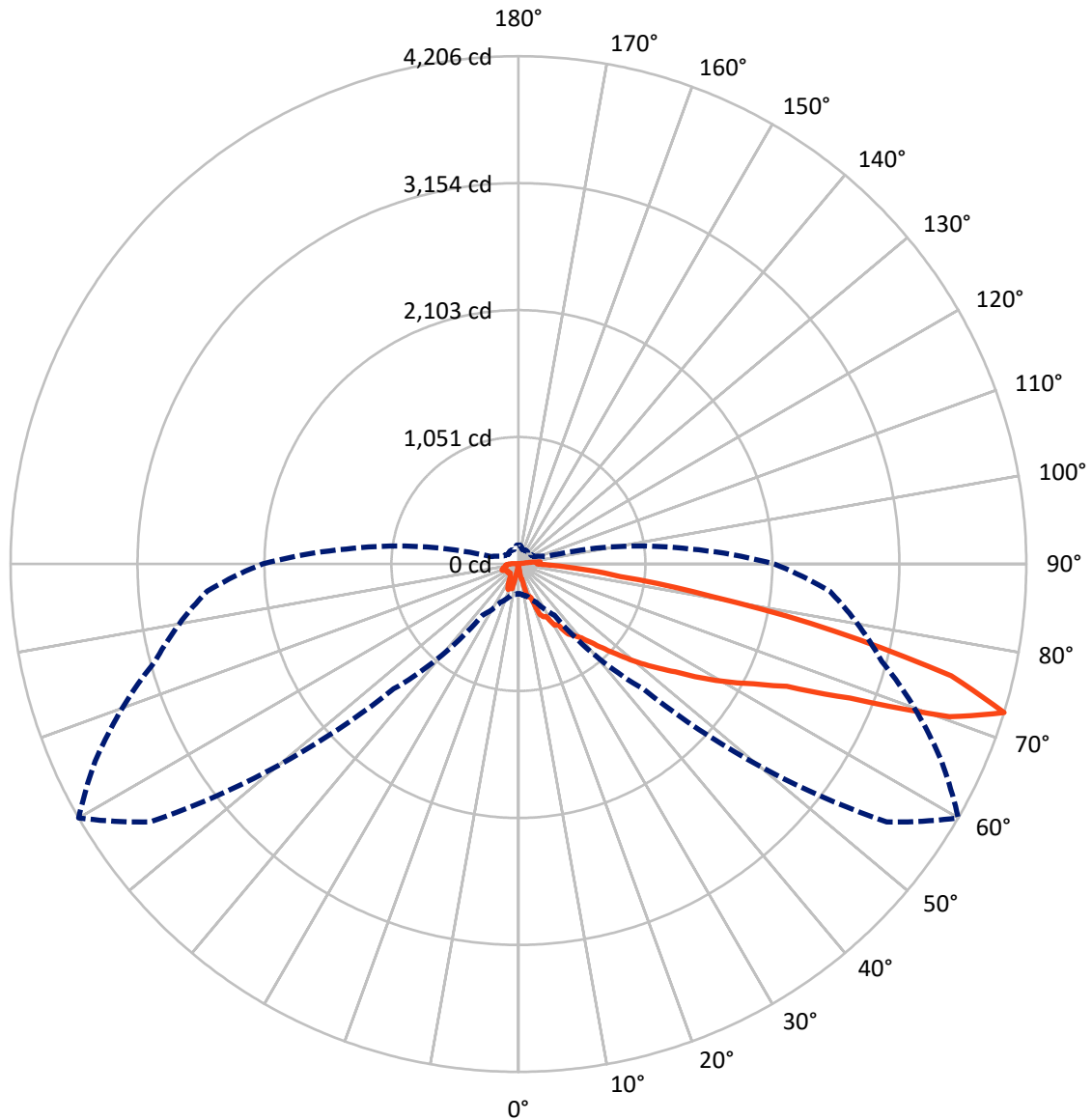
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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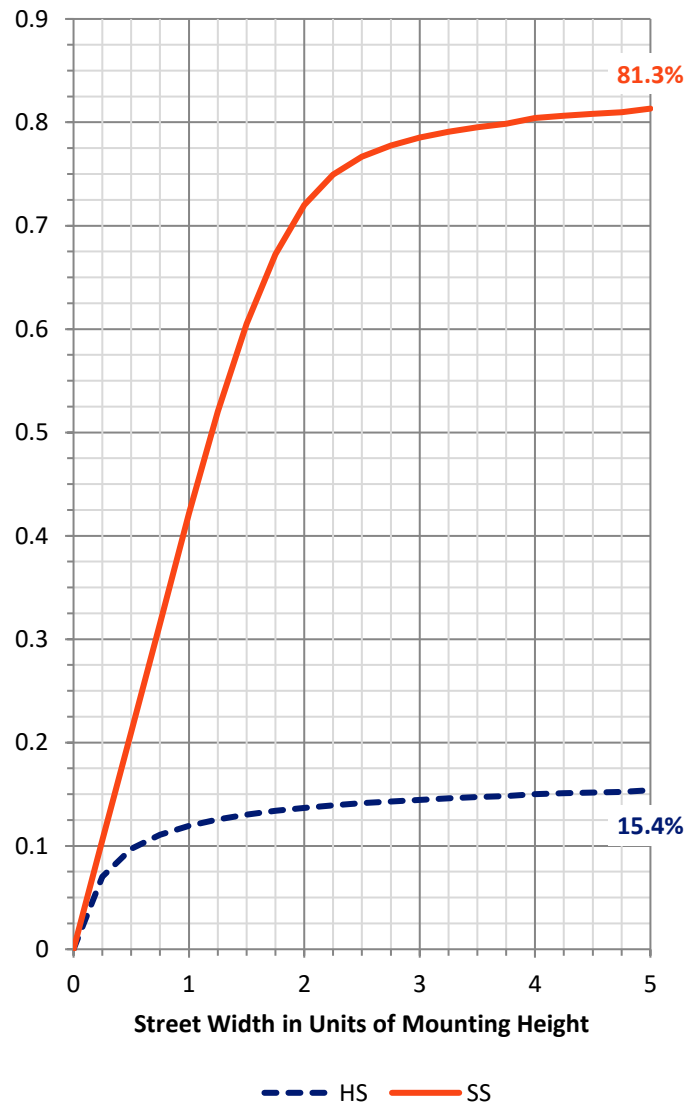
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	676.8	27.1	703.9
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	3431.9	34.7	3466.6
	% Fixture	82.3	0.8	83.1
Total	Lumens	4108.7	61.8	4170.5
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	55.9	1.3
20°-30°	164.0	3.9
30°-40°	326.7	7.8
40°-50°	561.6	13.5
50°-60°	859.2	20.6
60°-70°	1083.0	26.0
70°-80°	862.0	20.7
80°-90°	191.7	4.6
90°-100°	53.9	1.3
100°-110°	5.3	0.1
110°-120°	1.0	0.0
120°-130°	0.8	0.0
130°-140°	0.4	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°	4108.7	98.5
0°-180°	4170.5	100.0



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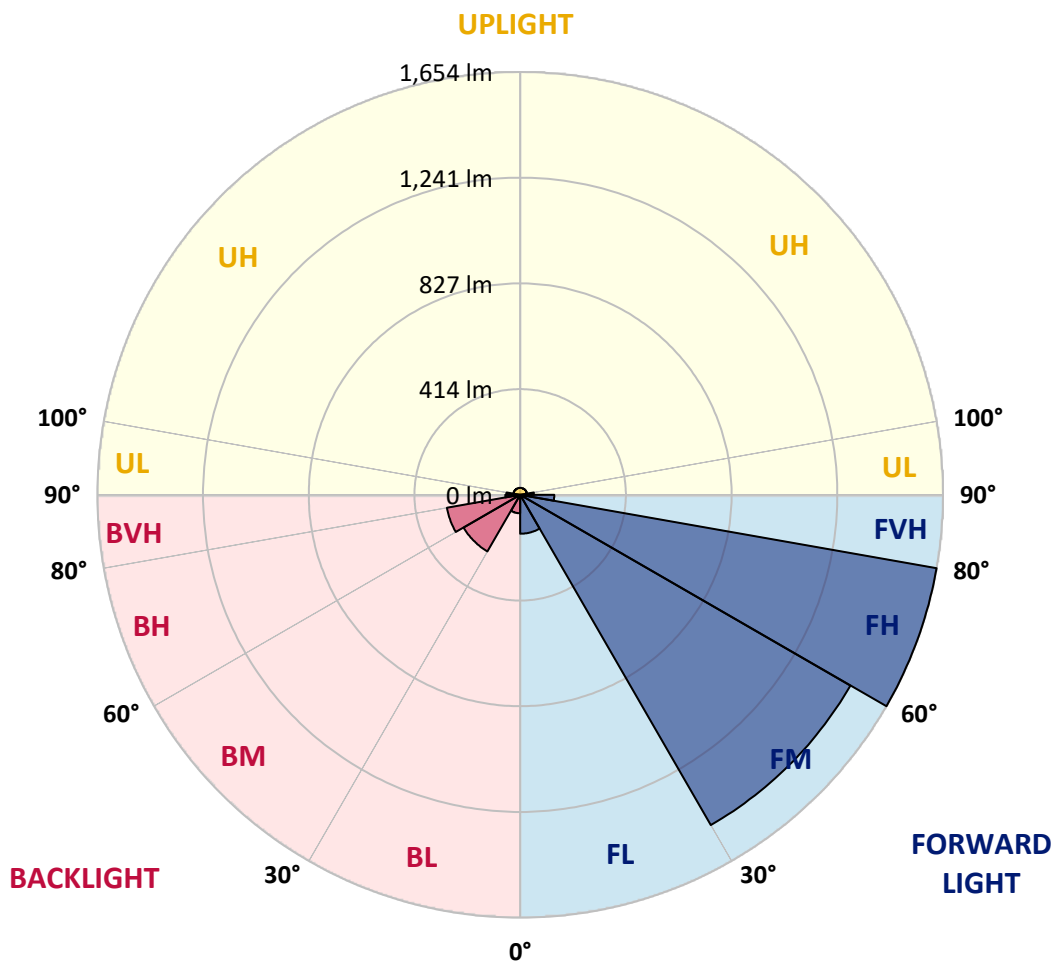
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.3	3.7			
FM (30°-60°)	1491.9	35.8			
FH (60°-80°)	1654.2	39.7			G1/1800
FVH (80°-90°)	133.4	3.2			G2/225
BL (0°-30°)	72.1	1.7	B0/110		
BM (30°-60°)	255.5	6.1	B1/1000		
BH (60°-80°)	290.8	7.0	B1/500		G1/500
BVH (80°-90°)	58.4	1.4			G1/100
UL (90°-100°)	53.9	1.3		U3/500	
UH (100°-180°)	27.1	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.0	2.6	2.0	2.6	2.6	2.0	1.5	2.0	2.0	2.0	1.5
5°	127.8	129.3	115.4	90.3	17.5	12.3	4.1	2.6	2.6	2.0	2.0
7.5°	128.8	129.8	135.4	133.4	136.0	129.8	45.1	13.3	5.6	2.6	2.0
10°	138.5	138.0	136.5	139.5	139.0	132.4	127.8	122.1	27.7	3.6	3.1
12.5°	267.3	268.3	261.7	211.3	147.2	136.5	131.9	127.8	104.1	74.4	172.9
15°	269.3	267.8	260.6	271.9	267.8	156.5	219.1	279.6	281.7	209.3	240.6
17.5°	283.3	279.6	270.9	263.2	261.7	312.4	294.0	278.5	283.8	243.7	260.6
20°	385.3	381.8	377.1	367.9	280.1	356.6	355.6	297.1	299.6	486.4	474.0
22.5°	391.5	385.3	381.8	376.5	419.2	350.5	421.8	452.0	453.6	516.2	500.2
25°	520.3	518.2	485.9	391.5	418.2	398.6	483.9	484.9	474.5	542.8	596.2
27.5°	576.1	559.8	530.0	512.6	430.5	476.1	482.8	490.5	616.7	735.7	717.8
30°	774.2	752.7	591.6	576.1	509.9	483.3	557.2	586.5	637.7	738.8	743.5
32.5°	893.8	864.5	783.5	717.8	604.9	531.5	596.2	600.3	642.3	921.0	939.9
35°	1104.6	1066.1	877.9	799.3	706.4	633.1	617.8	714.2	771.6	961.5	973.2
37.5°	1145.7	1145.7	1091.8	952.8	810.7	710.6	727.0	750.1	809.1	1035.3	1030.2
40°	1186.2	1190.8	1201.0	1083.1	923.5	824.0	800.4	803.9	859.4	1120.0	1097.9
42.5°	1286.8	1283.2	1300.1	1183.7	1075.4	950.2	911.2	891.7	931.7	1229.3	1183.7
45°	1460.7	1460.7	1447.9	1289.3	1190.3	1076.5	1039.4	1003.5	1017.9	1336.5	1301.1
47.5°	1676.2	1652.1	1583.8	1412.5	1290.9	1194.4	1163.6	1130.3	1137.4	1463.7	1441.2
50°	1837.8	1812.2	1681.8	1501.7	1373.5	1317.6	1302.6	1278.1	1267.7	1584.9	1594.1
52.5°	1872.7	1841.4	1726.4	1556.6	1442.8	1444.8	1460.2	1424.8	1391.4	1715.2	1748.5
55°	1830.1	1812.7	1740.9	1598.2	1507.9	1552.5	1620.3	1575.7	1560.7	1857.8	1898.3
57.5°	1745.5	1738.3	1734.1	1633.0	1552.0	1670.6	1826.0	1776.3	1737.3	1989.6	2006.6
60°	1566.3	1568.9	1615.6	1632.5	1631.5	1794.7	2017.4	1977.4	1902.5	2116.9	2134.9
62.5°	1250.9	1268.8	1391.4	1511.0	1674.2	1984.5	2200.6	2186.7	2106.2	2262.1	2259.5
65°	789.6	824.5	1006.6	1277.1	1616.2	2244.7	2496.6	2442.2	2337.0	2429.9	2468.4
67.5°	426.9	439.2	540.2	841.4	1399.1	2366.8	3138.4	2960.4	2717.2	2698.7	2705.9
70°	308.3	311.9	338.1	464.8	874.7	2169.8	3704.8	3787.0	3319.0	2988.0	2797.8
72.5°	244.2	250.9	276.0	349.4	515.2	1462.2	3723.8	4205.6	3867.0	3115.3	2587.3
75°	168.3	178.5	222.7	300.6	464.3	730.1	3029.2	3701.8	3733.1	2858.3	2056.3
77.5°	89.8	91.3	101.6	232.9	440.2	526.9	1956.8	2678.2	2672.0	2009.7	1113.9
80°	72.8	73.9	77.9	100.6	377.1	537.7	1050.3	1621.8	1485.8	780.9	405.8
82.5°	47.7	50.8	62.1	68.2	169.3	518.7	623.9	849.7	677.8	282.2	254.5
85°	28.2	31.3	45.1	50.3	80.5	605.4	559.8	511.5	391.5	199.6	191.4
87.5°	9.7	9.7	13.3	17.5	26.7	173.4	292.5	233.9	179.5	132.4	157.5
90°	5.1	5.6	3.1	3.1	11.8	53.4	156.5	155.5	122.1	129.8	168.3
92.5°	5.6	5.6	3.1	3.1	12.3	31.8	166.7	178.5	144.1	145.7	182.2
95°	6.1	6.6	2.6	2.6	11.8	22.1	146.7	181.6	141.1	131.9	158.6
97.5°	6.6	7.2	2.6	2.0	7.7	17.0	73.9	103.6	81.5	62.1	69.3
100°	6.1	6.6	1.5	1.5	3.6	11.3	28.2	38.5	34.9	14.3	8.2
102.5°	6.1	6.6	1.5	1.0	1.5	6.1	6.1	14.3	8.7	4.6	6.6
105°	6.1	6.6	1.5	1.0	0.5	3.1	2.0	2.6	3.1	4.1	7.7
107.5°	3.6	4.1	1.0	1.0	0.5	0.5	1.0	1.0	2.0	3.1	6.6
110°	1.5	1.5	0.5	0.5	0.0	0.5	0.5	1.0	2.0	2.6	3.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	3.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0	3.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0	3.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0	3.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0	3.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0	3.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	3.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	3.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.5
140°	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.5
142.5°	1.0	0.5	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.5	1.5
145°	1.5	1.0	1.0	0.5	0.0	0.0	0.5	1.0	1.5	1.5	1.5
147.5°	1.5	1.5	1.0	0.5	0.0	0.0	0.5	1.0	1.5	2.0	2.0
150°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.5	0.5	1.0
7.5°	1.5	1.5	1.5	1.0	1.0	0.5	94.9	110.3	126.7	124.2	120.6
10°	2.6	2.6	2.6	2.0	6.1	113.9	127.8	122.1	119.6	118.6	120.1
12.5°	174.9	206.2	68.7	10.2	101.1	111.3	113.9	107.7	111.3	112.3	109.3
15°	240.1	235.5	216.6	222.7	198.0	107.2	102.1	151.9	151.4	150.9	150.9
17.5°	259.6	246.7	213.9	226.3	198.0	162.6	126.2	120.6	116.5	117.0	116.0
20°	467.4	437.1	338.1	220.1	173.4	173.9	107.2	92.9	116.5	136.0	138.5
22.5°	471.0	441.7	354.0	285.3	173.4	137.5	105.2	109.8	131.9	144.1	146.2
25°	592.6	535.6	347.9	241.1	173.9	111.8	111.8	105.7	120.1	137.0	139.5
27.5°	676.2	610.0	424.3	236.5	130.8	109.3	100.0	101.1	128.3	140.0	140.6
30°	677.2	599.2	399.2	198.6	108.7	94.9	90.3	105.7	112.3	120.1	120.6
32.5°	880.5	763.9	448.5	159.6	97.0	85.7	90.8	100.6	113.3	132.4	134.4
35°	880.5	751.2	390.5	146.7	91.9	86.2	93.4	107.7	108.2	122.7	125.7
37.5°	905.0	750.1	329.9	122.7	96.0	86.2	97.5	101.1	105.7	120.6	121.1
40°	943.6	760.9	269.9	111.8	94.9	93.9	94.9	99.5	98.5	108.2	108.7
42.5°	1007.1	785.0	224.2	108.2	94.4	98.5	96.0	94.4	88.8	116.5	117.0
45°	1100.5	839.8	190.9	108.2	94.9	105.2	99.0	91.3	85.7	140.6	144.6
47.5°	1210.4	908.7	175.4	110.8	97.0	106.7	94.4	91.3	91.3	152.4	154.5
50°	1341.7	987.7	168.3	112.8	103.6	105.7	97.5	97.0	101.1	141.6	141.1
52.5°	1480.7	1085.1	167.3	116.0	108.2	101.6	110.3	103.6	90.3	103.6	103.6
55°	1618.7	1205.1	165.7	117.0	105.7	104.1	112.8	92.4	76.9	84.2	85.2
57.5°	1751.6	1319.6	171.9	112.8	105.2	104.1	107.7	92.4	79.5	86.2	88.3
60°	1887.0	1447.4	208.3	106.7	107.2	101.6	107.2	100.0	87.8	104.1	106.2
62.5°	2051.2	1623.3	283.8	112.3	108.7	103.1	106.7	106.2	91.3	99.5	101.6
65°	2286.2	1819.3	328.4	132.4	113.3	107.7	106.7	114.9	102.1	97.0	97.5
67.5°	2447.3	1890.6	318.6	149.4	124.7	110.8	115.4	123.7	109.3	110.3	109.8
70°	2418.1	1763.9	277.0	157.5	131.9	113.9	124.7	123.2	114.9	130.8	129.8
72.5°	2118.9	1429.9	235.0	144.6	129.8	114.9	126.7	126.2	124.7	157.0	157.0
75°	1578.2	959.4	203.7	132.9	124.2	113.9	124.2	125.2	124.2	160.6	161.6
77.5°	774.7	479.3	172.9	119.6	114.9	116.5	122.7	123.2	121.6	156.0	156.0
80°	346.3	262.7	131.9	100.6	110.8	122.7	123.2	118.6	120.6	147.7	147.2
82.5°	240.1	188.8	86.2	88.3	124.2	132.9	125.7	116.0	114.4	134.9	132.9
85°	174.4	139.0	52.9	74.9	136.0	125.7	119.1	104.6	100.0	114.4	111.8
87.5°	140.6	110.8	32.3	62.6	124.2	110.3	99.0	86.2	80.0	88.3	84.2
90°	151.9	119.6	32.3	54.4	102.1	82.7	72.8	64.1	58.0	58.5	56.0
92.5°	163.7	127.3	34.4	45.1	75.4	47.7	48.7	44.6	35.4	31.8	28.7
95°	126.2	95.4	30.3	37.4	45.1	29.3	37.4	33.9	24.1	17.0	14.3
97.5°	56.0	45.1	27.2	29.8	31.8	24.1	31.8	27.2	14.3	8.2	7.2
100°	6.6	11.3	23.6	28.7	23.1	16.4	21.1	16.4	6.1	2.0	1.5
102.5°	7.2	5.1	10.2	25.7	13.3	5.1	6.1	6.1	2.6	1.0	1.0
105°	7.7	5.6	4.1	13.3	3.1	1.0	0.5	0.5	0.5	1.0	1.0
107.5°	7.2	5.1	2.6	2.0	1.5	1.0	0.0	0.0	0.0	1.0	1.5
110°	4.1	3.6	2.6	2.0	1.5	1.0	0.0	0.0	0.0	1.5	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.1	3.1	2.0	1.5	1.0	0.5	0.0	0.0	0.0	2.0	2.6
115°	3.6	3.1	2.0	1.5	1.0	0.5	0.0	0.0	0.0	2.6	3.1
117.5°	4.1	3.6	2.0	1.5	1.0	0.0	0.0	0.0	0.0	3.1	3.1
120°	4.1	3.6	2.0	1.5	0.5	0.0	0.0	0.0	0.0	2.6	3.1
122.5°	4.1	3.6	2.0	1.0	0.5	0.0	0.0	0.0	0.0	2.6	3.1
125°	3.6	3.6	2.0	1.0	0.5	0.0	0.0	0.0	0.0	2.6	2.6
127.5°	3.6	3.1	2.0	1.0	0.5	0.0	0.0	0.0	0.0	2.0	2.6
130°	3.1	3.1	1.5	1.0	0.5	0.0	0.0	0.0	0.0	1.5	2.0
132.5°	2.6	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.5	1.0
135°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.0	0.5	0.0	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°	2.0	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	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)