

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: P254680

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254680
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-AF24-30-D-U-SL3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3043.9 lumens
Efficiency: N/A
Efficacy: 98.2 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 - U2 - G1

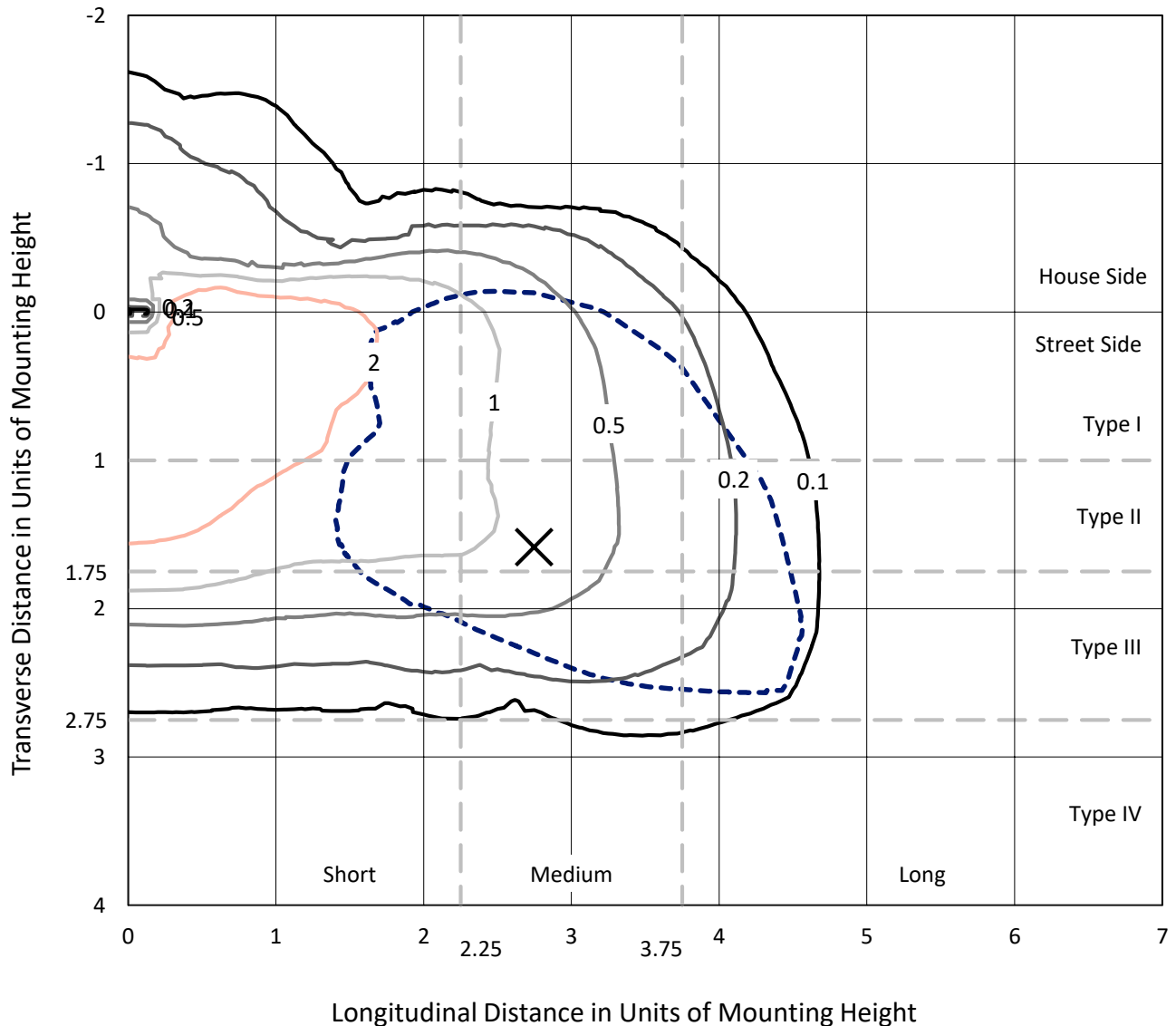
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P254680
 CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

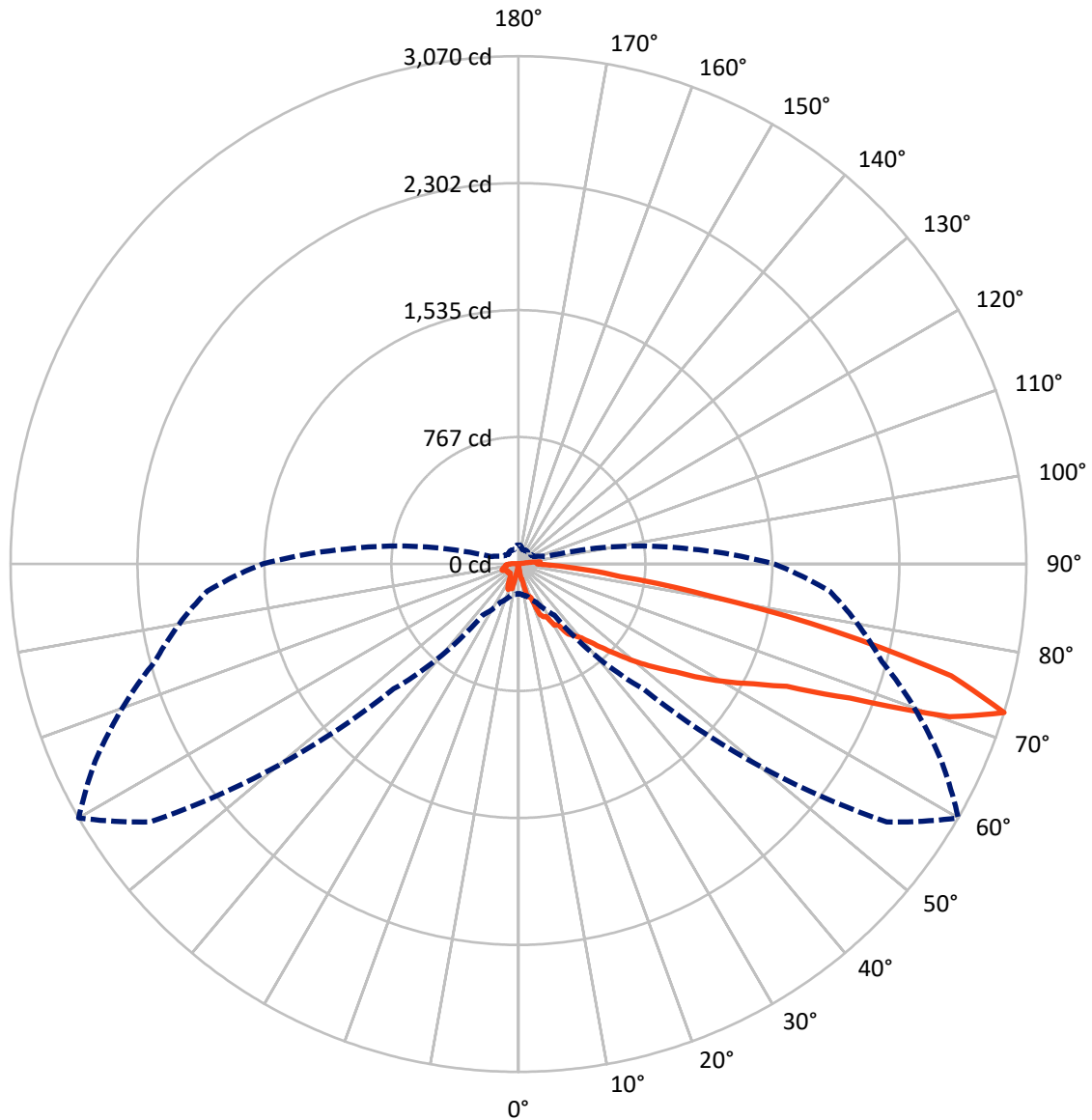
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Medium - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-CL-7030

Luminous Intensity Polar Plot



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



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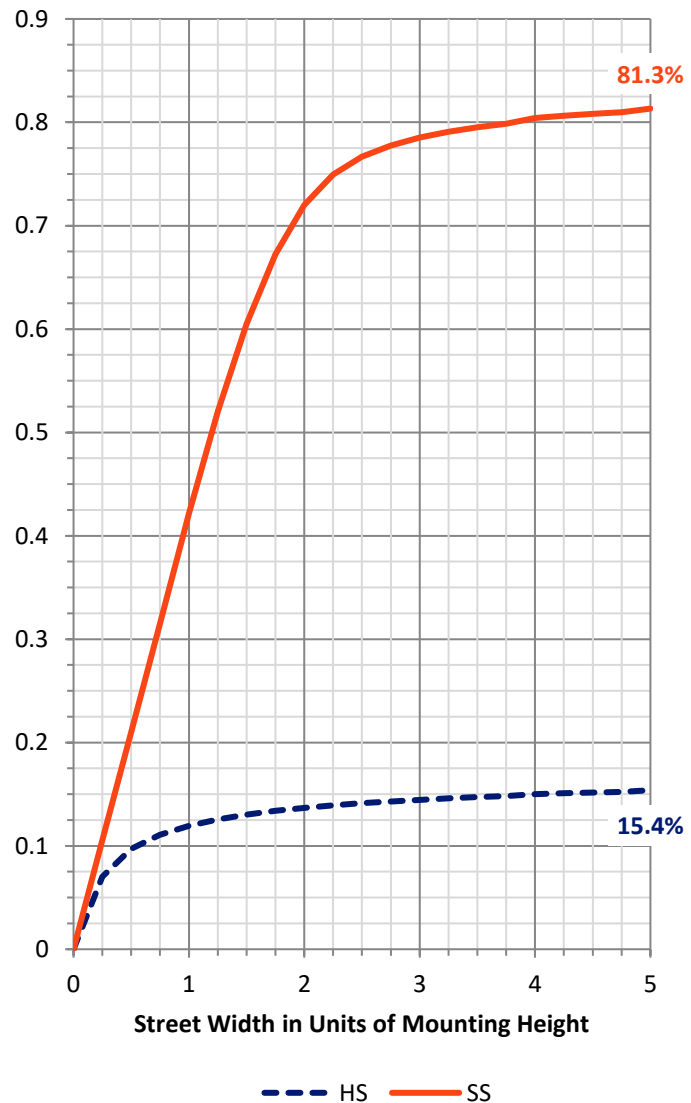
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.9	19.8	513.8
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	2504.8	25.3	2530.2
	% Fixture	82.3	0.8	83.1
Total	Lumens	2998.8	45.2	3043.9
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	40.8	1.3
20°-30°	119.7	3.9
30°-40°	238.4	7.8
40°-50°	409.9	13.5
50°-60°	627.1	20.6
60°-70°	790.4	26.0
70°-80°	629.2	20.7
80°-90°	140.0	4.6
90°-100°	39.3	1.3
100°-110°	3.9	0.1
110°-120°	0.7	0.0
120°-130°	0.6	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2998.8	98.5
0°-180°	3043.9	100.0



REPORT NUMBER: P254680

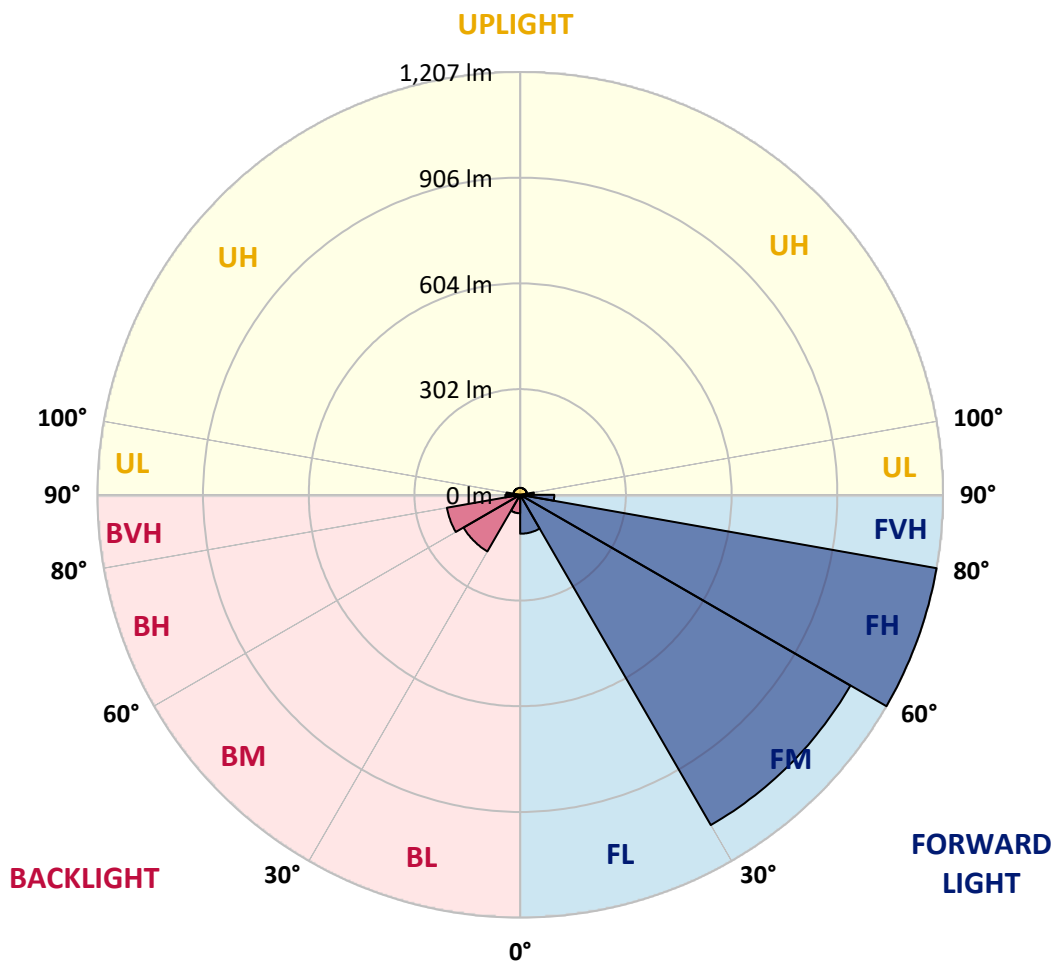
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.2	3.7			
FM (30°-60°)	1088.9	35.8			
FH (60°-80°)	1207.4	39.7			G1/1800
FVH (80°-90°)	97.4	3.2			G1/100
BL (0°-30°)	52.7	1.7	B0/110		
BM (30°-60°)	186.5	6.1	B0/220		
BH (60°-80°)	212.2	7.0	B1/500		G1/500
BVH (80°-90°)	42.6	1.4			G1/100
UL (90°-100°)	39.3	1.3		U2/50	
UH (100°-180°)	19.8	0.7		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.5	1.8	1.5	1.8	1.8	1.5	1.1	1.5	1.5	1.5	1.1
5°	93.2	94.4	84.2	65.9	12.8	9.0	2.9	1.8	1.8	1.5	1.5
7.5°	94.0	94.7	98.9	97.4	99.2	94.7	33.0	9.8	4.2	1.8	1.5
10°	101.1	100.7	99.7	101.8	101.5	96.5	93.2	89.1	20.2	2.6	2.3
12.5°	195.1	195.8	190.9	154.3	107.5	99.7	96.2	93.2	76.1	54.3	126.2
15°	196.5	195.5	190.2	198.5	195.5	114.1	159.8	204.1	205.6	152.8	175.6
17.5°	206.7	204.1	197.8	192.1	190.9	228.1	214.5	203.3	207.0	177.9	190.2
20°	281.3	278.6	275.3	268.4	204.5	260.2	259.5	216.8	218.7	355.0	346.1
22.5°	285.7	281.3	278.6	274.9	305.9	255.7	307.8	329.9	331.0	376.7	365.2
25°	379.6	378.2	354.6	285.7	305.2	290.9	353.1	353.9	346.4	396.2	435.2
27.5°	420.5	408.5	386.8	374.1	314.2	347.6	352.4	358.1	450.1	537.0	523.9
30°	565.1	549.3	431.8	420.5	372.2	352.8	406.7	428.0	465.5	539.2	542.6
32.5°	652.3	631.0	571.9	523.9	441.5	388.0	435.2	438.1	468.8	672.2	686.0
35°	806.3	778.2	640.7	583.5	515.6	462.0	450.9	521.2	563.2	701.8	710.4
37.5°	836.2	836.2	796.8	695.4	591.6	518.7	530.7	547.5	590.5	755.6	751.9
40°	865.8	869.1	876.6	790.5	674.0	601.4	584.2	586.8	627.2	817.5	801.4
42.5°	939.2	936.6	948.9	863.9	784.9	693.5	665.1	650.8	680.0	897.2	863.9
45°	1066.2	1066.2	1056.7	941.0	868.7	785.7	758.7	732.5	743.0	975.4	949.7
47.5°	1223.3	1205.7	1156.0	1030.9	942.2	871.8	849.3	824.9	830.2	1068.3	1051.8
50°	1341.3	1322.6	1227.5	1096.1	1002.5	961.6	950.8	932.8	925.3	1156.7	1163.5
52.5°	1366.9	1344.0	1260.1	1136.2	1053.0	1054.5	1065.8	1039.9	1015.6	1251.9	1276.1
55°	1335.7	1323.0	1270.5	1166.5	1100.6	1133.1	1182.6	1150.0	1139.1	1355.9	1385.5
57.5°	1274.0	1268.7	1265.7	1191.9	1132.8	1219.3	1332.8	1296.4	1268.0	1452.2	1464.5
60°	1143.3	1145.1	1179.2	1191.6	1190.8	1309.9	1472.4	1443.2	1388.5	1545.0	1558.1
62.5°	913.0	926.1	1015.6	1102.9	1221.8	1448.4	1606.1	1596.0	1537.2	1651.0	1649.2
65°	576.4	601.8	734.7	932.1	1179.6	1638.4	1822.1	1782.4	1705.7	1773.5	1801.5
67.5°	311.6	320.5	394.3	614.1	1021.1	1727.4	2290.6	2160.7	1983.2	1969.7	1975.0
70°	225.1	227.7	246.8	339.2	638.5	1583.6	2704.0	2763.9	2422.4	2181.0	2041.9
72.5°	178.2	183.1	201.5	255.0	376.0	1067.3	2718.0	3069.5	2822.3	2273.8	1888.4
75°	122.8	130.3	162.5	219.4	338.9	532.8	2210.9	2701.8	2724.6	2086.2	1500.9
77.5°	65.5	66.6	74.2	170.0	321.3	384.6	1428.2	1954.7	1950.3	1466.8	813.0
80°	53.2	54.0	57.0	73.4	275.3	392.5	766.6	1183.8	1084.5	569.9	296.2
82.5°	34.9	37.0	45.4	49.8	123.6	378.6	455.4	620.1	494.7	206.0	185.7
85°	20.6	22.8	33.0	36.7	58.8	441.9	408.5	373.3	285.7	145.7	139.7
87.5°	7.1	7.1	9.8	12.8	19.4	126.5	213.5	170.8	131.1	96.5	114.9
90°	3.8	4.2	2.3	2.3	8.6	38.9	114.1	113.4	89.1	94.7	122.8
92.5°	4.2	4.2	2.3	2.3	9.0	23.2	121.8	130.3	105.2	106.3	133.0
95°	4.5	4.9	1.8	1.8	8.6	16.1	107.1	132.5	103.0	96.2	115.7
97.5°	4.9	5.3	1.8	1.5	5.6	12.3	54.0	75.6	59.5	45.4	50.6
100°	4.5	4.9	1.1	1.1	2.6	8.2	20.6	28.1	25.4	10.5	6.0
102.5°	4.5	4.9	1.1	0.8	1.1	4.5	4.5	10.5	6.3	3.4	4.9
105°	4.5	4.9	1.1	0.8	0.3	2.3	1.5	1.8	2.3	2.9	5.6
107.5°	2.6	2.9	0.8	0.8	0.3	0.3	0.8	0.8	1.5	2.3	4.9
110°	1.1	1.1	0.3	0.3	0.0	0.3	0.3	0.8	1.5	1.8	2.6



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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	0.3	0.8	1.1	1.5	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.5	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.5	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.5	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.5	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.5	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.1
140°	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.8	0.8	1.1
142.5°	0.8	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.8	1.1	1.1
145°	1.1	0.8	0.8	0.3	0.0	0.0	0.3	0.8	1.1	1.1	1.1
147.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.3	0.8	1.1	1.5	1.5
150°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.8	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.1	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.1	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.3	0.3	0.8
7.5°	1.1	1.1	1.1	0.8	0.8	0.3	69.3	80.6	92.6	90.5	88.0
10°	1.8	1.8	1.8	1.5	4.5	83.1	93.2	89.1	87.3	86.6	87.6
12.5°	127.8	150.6	50.1	7.5	73.8	81.3	83.1	78.6	81.3	82.1	79.8
15°	175.3	171.9	158.0	162.5	144.5	78.2	74.6	110.8	110.5	110.2	110.2
17.5°	189.4	180.2	156.1	165.1	144.5	118.6	92.1	88.0	85.0	85.3	84.6
20°	341.1	319.0	246.8	160.6	126.5	127.0	78.2	67.7	85.0	99.2	101.1
22.5°	343.7	322.5	258.4	208.2	126.5	100.4	76.8	80.1	96.2	105.2	106.7
25°	432.5	390.9	253.9	176.0	127.0	81.6	81.6	77.1	87.6	100.0	101.8
27.5°	493.6	445.2	309.6	172.6	95.5	79.8	72.9	73.8	93.6	102.2	102.6
30°	494.3	437.4	291.2	144.9	79.4	69.3	65.9	77.1	82.1	87.6	88.0
32.5°	642.6	557.6	327.2	116.5	70.8	62.5	66.3	73.4	82.7	96.5	98.2
35°	642.6	548.3	284.9	107.1	66.9	63.0	68.2	78.6	79.0	89.5	91.8
37.5°	660.6	547.5	240.8	89.5	70.0	63.0	71.1	73.8	77.1	88.0	88.4
40°	688.7	555.4	197.0	81.6	69.3	68.5	69.3	72.6	71.9	79.0	79.4
42.5°	735.1	572.9	163.7	79.0	69.0	71.9	70.0	69.0	64.8	85.0	85.3
45°	803.3	613.1	139.3	79.0	69.3	76.8	72.2	66.6	62.5	102.6	105.7
47.5°	883.4	663.2	128.1	80.9	70.8	77.9	69.0	66.6	66.6	111.2	112.7
50°	979.2	720.9	122.8	82.4	75.6	77.1	71.1	70.8	73.8	103.4	103.0
52.5°	1080.7	792.0	122.1	84.6	79.0	74.2	80.6	75.6	65.9	75.6	75.6
55°	1181.4	879.6	121.0	85.3	77.1	76.1	82.4	67.4	56.2	61.4	62.2
57.5°	1278.5	963.1	125.4	82.4	76.8	76.1	78.6	67.4	58.0	63.0	64.5
60°	1377.3	1056.4	152.0	77.9	78.2	74.2	78.2	72.9	64.0	76.1	77.5
62.5°	1497.2	1184.8	207.0	82.1	79.4	75.3	77.9	77.5	66.6	72.6	74.2
65°	1668.6	1327.8	239.6	96.5	82.7	78.6	77.9	83.9	74.6	70.8	71.1
67.5°	1786.2	1380.0	232.5	108.9	91.0	80.9	84.2	90.2	79.8	80.6	80.1
70°	1764.9	1287.4	202.2	114.9	96.2	83.1	91.0	89.9	83.9	95.5	94.7
72.5°	1546.6	1043.7	171.5	105.7	94.7	83.9	92.6	92.1	91.0	114.6	114.6
75°	1151.8	700.3	148.7	97.0	90.5	83.1	90.5	91.3	90.5	117.2	118.0
77.5°	565.4	349.7	126.2	87.3	83.9	85.0	89.5	89.9	88.7	113.8	113.8
80°	252.7	191.7	96.2	73.4	80.9	89.5	89.9	86.6	88.0	107.8	107.5
82.5°	175.3	137.7	63.0	64.5	90.5	97.0	91.8	84.6	83.5	98.5	97.0
85°	127.3	101.5	38.6	54.6	99.2	91.8	86.9	76.4	72.9	83.5	81.6
87.5°	102.6	80.9	23.6	45.7	90.5	80.6	72.2	63.0	58.5	64.5	61.4
90°	110.8	87.3	23.6	39.7	74.6	60.3	53.2	46.8	42.3	42.7	40.9
92.5°	119.4	92.9	25.1	33.0	55.0	34.9	35.6	32.6	25.7	23.2	21.0
95°	92.1	69.6	22.1	27.4	33.0	21.3	27.4	24.7	17.6	12.3	10.5
97.5°	40.9	33.0	19.8	21.8	23.2	17.6	23.2	19.8	10.5	6.0	5.3
100°	4.9	8.2	17.3	21.0	16.8	12.0	15.4	12.0	4.5	1.5	1.1
102.5°	5.3	3.8	7.5	18.7	9.8	3.8	4.5	4.5	1.8	0.8	0.8
105°	5.6	4.2	2.9	9.8	2.3	0.8	0.3	0.3	0.3	0.8	0.8
107.5°	5.3	3.8	1.8	1.5	1.1	0.8	0.0	0.0	0.0	0.8	1.1
110°	2.9	2.6	1.8	1.5	1.1	0.8	0.0	0.0	0.0	1.1	1.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.3	2.3	1.5	1.1	0.8	0.3	0.0	0.0	0.0	1.5	1.8
115°	2.6	2.3	1.5	1.1	0.8	0.3	0.0	0.0	0.0	1.8	2.3
117.5°	2.9	2.6	1.5	1.1	0.8	0.0	0.0	0.0	0.0	2.3	2.3
120°	2.9	2.6	1.5	1.1	0.3	0.0	0.0	0.0	0.0	1.8	2.3
122.5°	2.9	2.6	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.8	2.3
125°	2.6	2.6	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.8	1.8
127.5°	2.6	2.3	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.5	1.8
130°	2.3	2.3	1.1	0.8	0.3	0.0	0.0	0.0	0.0	1.1	1.5
132.5°	1.8	1.5	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.8
135°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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)