

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: P266072

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-T3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3699.2 lumens
Efficiency: N/A
Efficacy: 92.5 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): 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

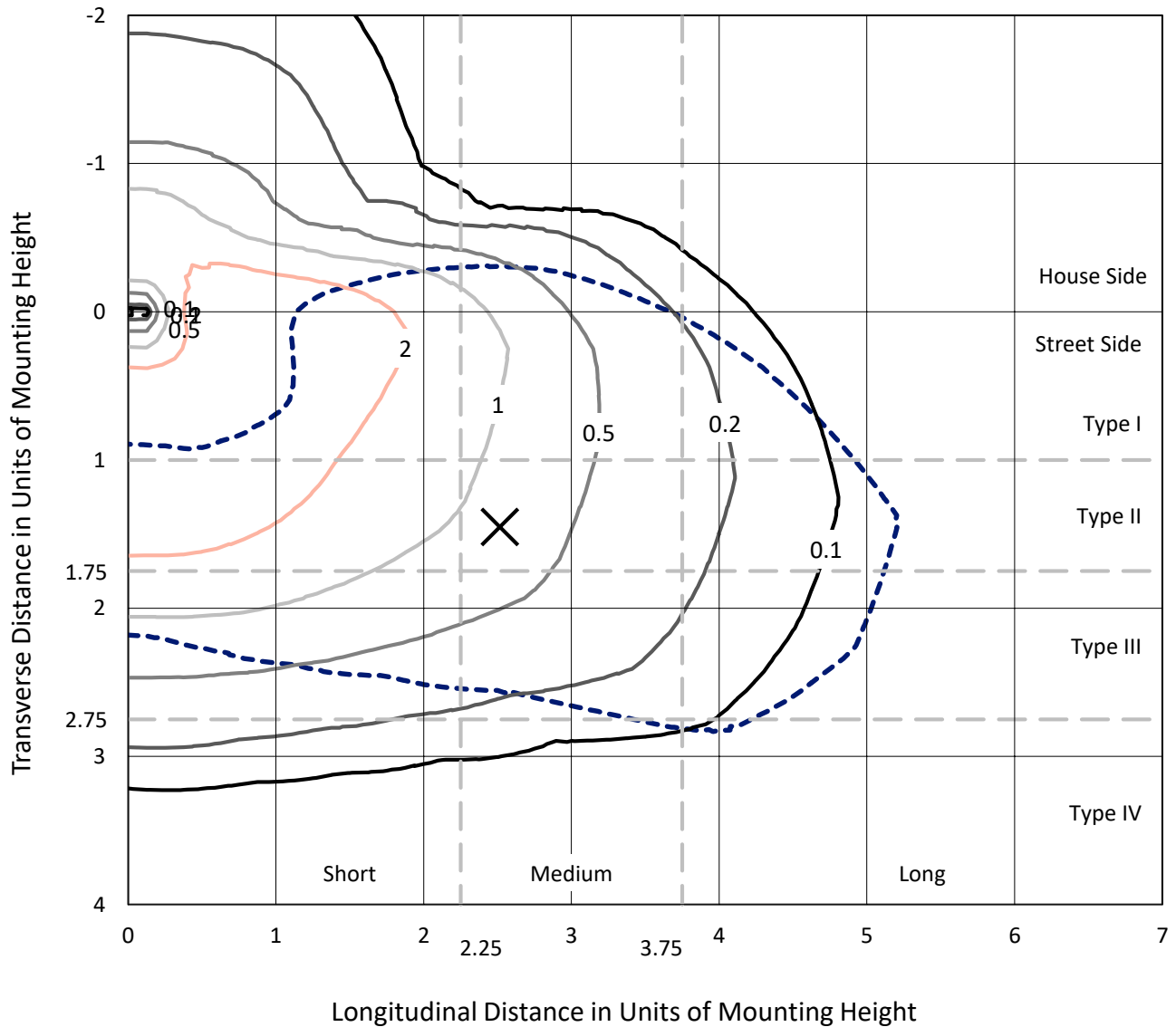


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

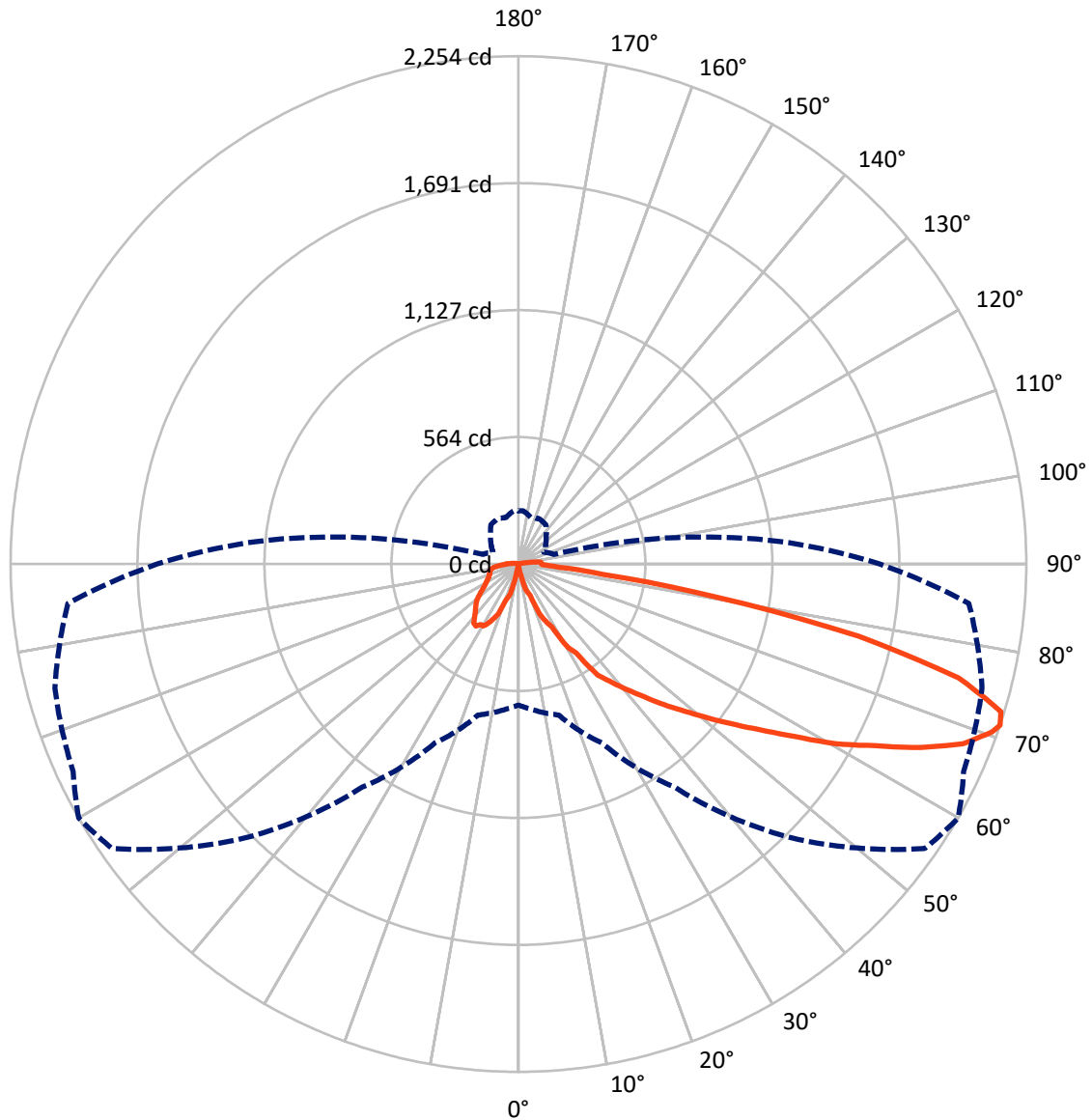


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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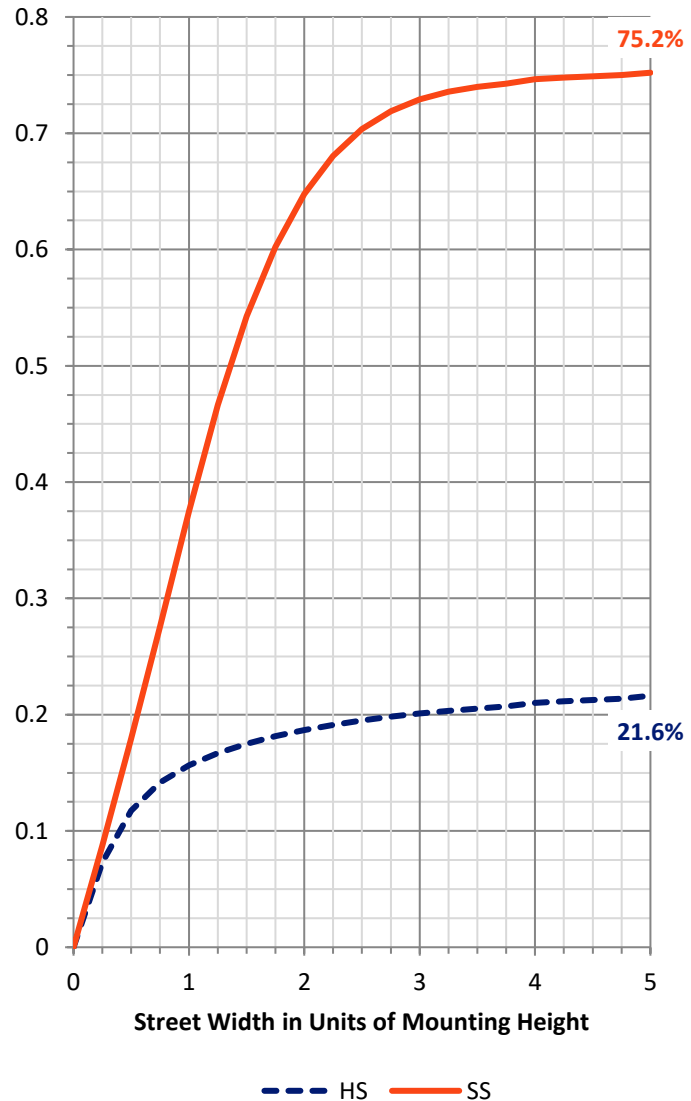
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	840.4	27.3	867.7
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	2805.0	26.6	2831.6
	% Fixture	75.8	0.7	76.5
Total	Lumens	3645.4	53.9	3699.2
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	33.2	0.9
20°-30°	136.4	3.7
30°-40°	306.7	8.3
40°-50°	532.4	14.4
50°-60°	806.8	21.8
60°-70°	994.2	26.9
70°-80°	677.6	18.3
80°-90°	155.9	4.2
90°-100°	47.6	1.3
100°-110°	4.5	0.1
110°-120°	0.7	0.0
120°-130°	0.5	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3645.4	98.5
0°-180°	3699.2	100.0



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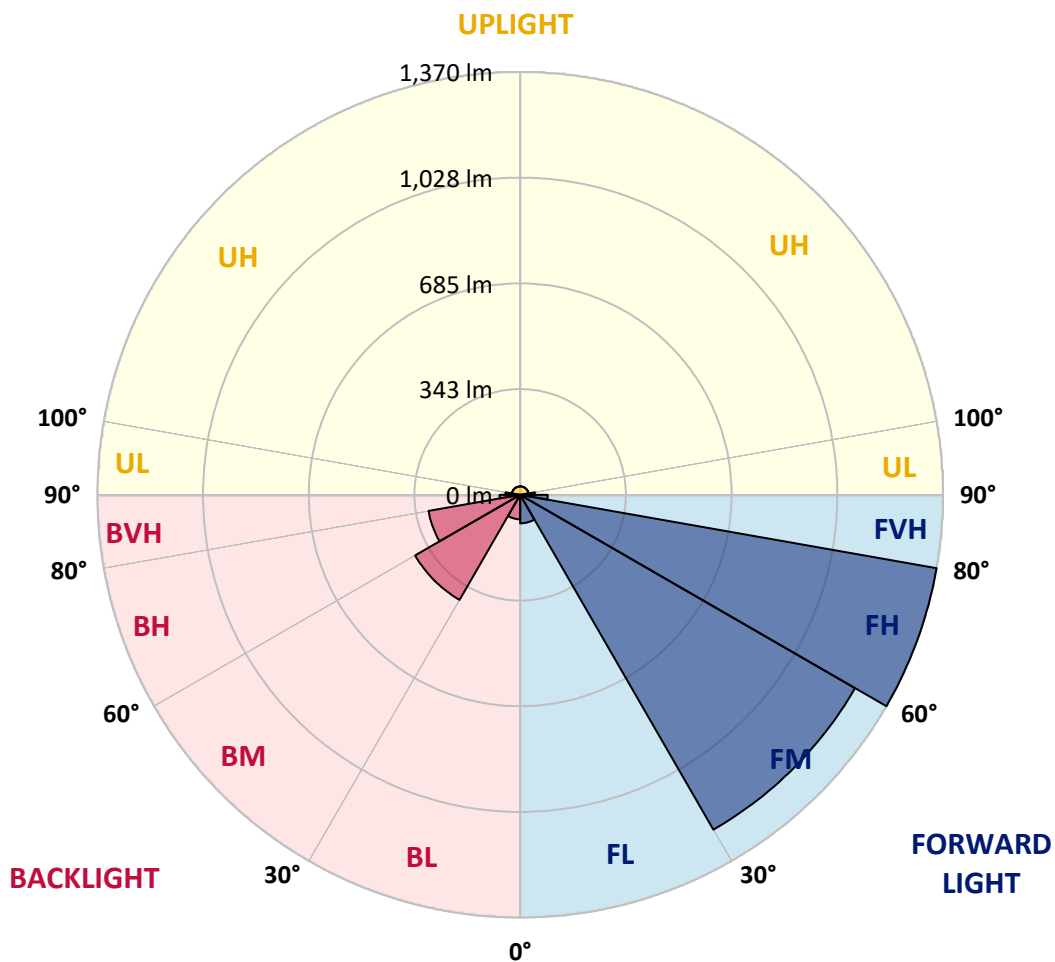
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.4	2.5			
FM	(30°-60°)	1252.9	33.9			
FH	(60°-80°)	1370.3	37.0			G1/1800
FVH	(80°-90°)	89.4	2.4			G1/100
BL	(0°-30°)	79.2	2.1	B0/110		
BM	(30°-60°)	393.0	10.6	B1/1000		
BH	(60°-80°)	301.6	8.2	B1/500		G1/500
BVH	(80°-90°)	66.5	1.8			G1/100
UL	(90°-100°)	47.6	1.3		U2/50	
UH	(100°-180°)	27.3	0.7		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.2	2.6	1.7	2.2	2.2	1.7	1.3	1.3	1.7	1.7	1.3
5°	39.6	40.1	41.9	43.2	14.8	10.5	4.0	2.6	2.2	1.7	1.7
7.5°	50.1	49.2	48.4	45.8	47.2	43.9	26.1	10.9	5.2	2.2	1.7
10°	58.0	58.0	54.1	50.9	50.6	49.6	47.2	43.2	20.5	4.3	3.1
12.5°	105.9	102.9	98.1	80.6	61.4	55.3	54.1	55.3	45.4	44.8	60.1
15°	121.1	122.0	119.5	112.8	109.4	70.5	92.9	115.5	115.9	92.9	104.7
17.5°	157.4	156.5	142.9	130.3	126.8	135.0	135.6	129.8	130.3	115.9	123.2
20°	234.0	236.2	224.8	190.4	154.2	178.3	173.1	150.3	153.4	218.7	225.7
22.5°	274.5	279.0	265.4	250.9	248.8	197.8	223.6	238.8	231.9	258.0	259.7
25°	407.4	395.7	344.7	295.1	301.6	263.7	289.3	281.4	269.3	288.4	333.8
27.5°	443.7	446.6	433.6	408.3	345.9	360.0	328.2	315.0	362.9	404.9	417.1
30°	526.0	526.0	479.3	469.8	442.3	402.3	429.2	425.3	433.6	440.1	462.7
32.5°	638.9	631.4	610.5	538.2	508.1	460.2	495.1	471.2	485.4	574.7	612.7
35°	755.1	754.8	683.3	630.2	568.6	561.4	544.7	606.5	623.7	627.5	664.9
37.5°	903.3	904.7	865.8	709.9	646.7	612.7	656.2	660.2	680.2	714.6	726.4
40°	1020.1	1013.2	963.5	847.1	744.2	695.9	733.8	727.3	761.8	789.3	806.1
42.5°	1166.1	1161.8	1093.3	958.8	879.4	802.2	812.6	795.7	820.5	889.0	895.9
45°	1303.4	1295.0	1231.9	1088.0	1004.8	920.0	897.2	881.5	887.3	964.8	991.4
47.5°	1395.3	1385.7	1361.8	1220.5	1155.2	1044.1	997.5	966.0	973.0	1059.8	1103.7
50°	1510.4	1478.6	1457.2	1330.7	1284.1	1194.4	1095.6	1065.0	1080.8	1160.0	1228.4
52.5°	1571.9	1528.6	1529.2	1438.9	1394.9	1331.3	1204.8	1175.3	1196.3	1272.0	1371.4
55°	1525.6	1521.3	1559.2	1507.7	1482.9	1428.0	1323.1	1296.0	1330.4	1418.9	1528.6
57.5°	1459.8	1466.4	1544.4	1568.8	1568.8	1524.8	1454.1	1442.9	1479.9	1569.7	1679.9
60°	1384.5	1400.5	1500.3	1570.4	1622.3	1619.7	1595.7	1619.4	1630.2	1715.7	1864.3
62.5°	1273.7	1281.2	1397.9	1540.1	1624.9	1708.1	1744.8	1775.0	1816.4	1886.4	2021.9
65°	1147.0	1156.1	1272.9	1458.0	1610.7	1766.2	1890.8	1963.5	1976.2	2032.4	2135.7
67.5°	983.0	993.2	1095.0	1304.2	1554.0	1813.1	2039.4	2128.3	2107.0	2099.1	2162.7
70°	761.8	761.4	833.2	1025.3	1347.0	1795.0	2170.6	2231.1	2175.8	2132.7	2087.8
71°	625.8	647.0	694.2	875.8	1208.8	1720.4	2201.9	2254.2	2180.5	2130.1	2007.2
72.5°	398.8	423.6	463.6	625.0	964.8	1527.7	2174.4	2238.9	2164.8	2098.3	1845.1
75°	157.4	163.0	192.5	289.3	523.4	1028.9	1919.9	2018.0	1988.8	1928.8	1479.0
77.5°	95.0	98.1	109.4	144.6	240.0	475.8	1402.3	1544.7	1596.2	1568.4	1018.0
80°	71.4	74.5	84.5	102.0	160.3	197.8	740.8	887.6	1014.5	1013.2	571.3
82.5°	54.4	56.2	65.8	72.0	119.5	136.8	279.4	377.7	491.6	491.6	283.2
85°	50.6	50.6	53.5	48.4	79.3	98.1	166.0	181.6	192.1	203.9	165.2
87.5°	20.0	19.7	25.7	24.9	34.9	64.5	105.0	109.9	102.9	124.7	142.6
90°	13.6	14.0	10.9	10.9	19.1	59.3	95.8	100.7	94.5	112.4	146.5
92.5°	13.0	13.6	10.1	10.1	14.5	49.2	100.3	102.0	97.1	115.9	148.9
95°	11.8	12.1	8.3	8.3	11.3	30.1	93.2	95.8	83.3	93.8	119.5
97.5°	9.2	9.6	5.7	6.1	8.8	11.3	55.8	59.6	46.6	43.9	51.8
100°	6.1	6.6	3.6	4.3	5.2	5.2	21.4	23.0	20.9	11.3	6.6
102.5°	5.7	6.1	2.6	2.6	2.6	1.7	4.3	6.9	4.0	4.9	5.7
105°	5.2	6.1	1.7	1.3	0.9	0.9	1.3	1.7	2.2	3.1	6.1
107.5°	3.6	4.0	0.9	0.9	0.4	0.9	0.9	0.9	1.3	2.2	5.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.7	1.7	0.4	0.4	0.0	0.4	0.4	0.9	1.3	1.7	2.6
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	1.3	2.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	1.3	2.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.3	2.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.3	2.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	2.2
125°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	2.2
127.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.7
130°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
140°	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
142.5°	0.9	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.9	0.9
145°	0.9	0.9	0.4	0.4	0.0	0.0	0.4	0.4	0.9	0.9	0.9
147.5°	1.3	1.3	0.4	0.0	0.0	0.0	0.4	0.4	0.9	0.9	1.3
150°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.4	0.9	0.9	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.3	1.3	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
5°	1.3	1.3	1.3	1.3	1.3	0.9	1.7	2.6	3.1	3.6	3.6
7.5°	1.7	1.7	1.7	1.7	1.7	3.6	21.7	48.4	55.3	59.3	58.0
10°	3.1	3.1	2.6	3.1	10.9	54.1	65.8	70.5	71.4	74.5	77.2
12.5°	64.5	55.3	26.1	14.8	55.8	70.2	75.8	79.8	84.1	104.7	93.8
15°	106.8	109.0	106.8	117.7	131.6	79.3	94.1	143.8	155.9	159.4	158.6
17.5°	126.4	123.7	123.7	150.7	155.9	155.1	149.8	160.3	163.4	168.6	166.8
20°	235.4	236.2	221.8	175.2	166.5	208.8	167.8	167.4	199.6	229.2	230.1
22.5°	262.3	264.6	257.5	259.7	217.8	215.8	210.5	221.0	233.6	239.3	237.5
25°	356.0	331.7	287.2	267.5	264.1	220.5	248.4	227.9	229.6	232.8	234.8
27.5°	431.5	428.3	399.6	326.4	264.1	267.5	239.3	235.4	261.4	264.1	264.6
30°	467.2	459.4	427.1	343.4	289.9	256.2	233.1	251.4	247.6	250.2	250.2
32.5°	622.7	619.2	548.1	352.6	280.6	237.1	238.8	238.4	261.0	268.5	266.6
35°	664.6	658.0	552.9	400.5	266.3	239.3	224.8	241.9	241.9	244.9	244.0
37.5°	716.4	705.4	560.8	383.4	275.1	224.8	220.1	224.8	237.1	240.6	238.4
40°	787.9	763.0	554.3	355.2	256.6	222.7	211.8	220.5	219.6	215.2	213.1
42.5°	862.5	832.8	554.8	329.0	242.4	219.6	209.1	207.4	204.9	197.8	196.5
45°	959.1	900.7	561.4	310.8	230.1	217.8	206.6	198.7	194.8	187.8	186.5
47.5°	1069.4	973.6	559.0	295.9	217.8	212.7	198.7	191.2	189.2	179.5	178.3
50°	1180.6	1044.1	560.8	275.8	203.9	207.0	196.5	186.0	182.1	171.2	170.8
52.5°	1310.4	1117.8	549.6	247.0	187.8	199.6	197.8	187.3	187.3	171.2	170.0
55°	1438.9	1208.0	539.9	216.6	177.0	193.4	200.4	196.5	195.7	173.5	172.1
57.5°	1565.7	1285.6	509.0	190.0	170.0	188.3	206.6	202.7	200.1	182.1	178.3
60°	1702.6	1387.1	450.6	169.2	166.0	184.0	208.2	207.9	193.0	191.2	189.2
62.5°	1805.5	1445.9	375.2	155.1	160.3	182.5	207.4	207.4	194.8	194.4	193.4
65°	1854.2	1453.3	283.7	144.3	154.7	180.4	204.4	212.7	202.7	203.9	202.2
67.5°	1829.4	1397.0	213.5	134.7	149.5	178.7	204.9	218.7	209.7	223.0	221.0
70°	1698.2	1252.3	175.6	128.1	147.7	175.6	210.9	220.5	214.3	236.2	233.6
71°	1602.8	1159.2	163.9	124.1	147.7	173.9	212.2	221.0	213.5	237.5	235.4
72.5°	1441.2	994.9	151.3	118.5	146.9	173.1	212.2	220.5	216.1	243.1	239.3
75°	1086.0	682.8	135.6	115.5	146.0	170.4	207.9	216.6	212.7	233.1	232.2
77.5°	695.9	399.1	121.1	115.1	142.6	169.2	202.2	208.8	201.8	219.1	218.3
80°	383.0	229.2	107.6	107.6	135.6	166.0	193.4	194.8	187.8	201.3	195.7
82.5°	227.5	162.6	89.3	94.5	125.6	157.7	184.0	177.8	170.4	195.2	166.0
85°	153.4	126.4	61.4	72.8	112.8	136.8	163.9	154.2	141.7	142.6	136.0
87.5°	127.2	100.7	32.2	47.5	87.6	100.3	121.6	112.0	99.0	97.1	91.4
90°	126.4	98.1	25.7	42.7	70.2	77.6	94.1	85.0	77.6	80.6	76.3
92.5°	127.2	97.1	26.6	36.7	57.5	58.4	77.2	73.7	67.2	68.5	64.0
95°	102.0	76.3	25.7	29.1	32.7	30.9	47.5	47.5	41.0	38.7	36.2
97.5°	42.7	37.9	24.0	23.5	23.0	17.0	27.5	31.4	21.4	14.5	12.7
100°	6.6	10.9	20.0	22.2	16.1	10.1	17.4	20.0	11.3	2.2	1.7
102.5°	6.6	5.7	8.3	16.6	9.6	2.6	6.9	11.3	5.7	1.3	1.7
105°	6.9	5.7	3.6	8.8	2.2	0.9	0.4	3.1	0.9	1.3	1.3
107.5°	6.6	5.2	2.2	1.7	1.3	0.4	0.0	0.0	0.0	1.3	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	3.6	3.1	2.2	1.3	0.9	0.4	0.0	0.0	0.0	1.3	1.7
112.5°	2.2	2.6	1.7	1.3	0.4	0.4	0.0	0.0	0.0	1.7	2.2
115°	2.6	2.6	1.7	0.9	0.4	0.0	0.0	0.0	0.0	1.7	2.2
117.5°	2.6	2.6	1.7	0.9	0.4	0.0	0.0	0.0	0.0	1.7	2.2
120°	2.6	2.6	1.7	0.9	0.4	0.0	0.0	0.0	0.0	1.7	2.2
122.5°	2.6	2.6	1.7	0.9	0.4	0.0	0.0	0.0	0.0	1.3	1.7
125°	2.2	2.2	1.7	0.9	0.0	0.0	0.0	0.0	0.0	1.3	1.7
127.5°	2.2	2.2	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.3
130°	2.2	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9
132.5°	1.7	1.7	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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)