

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: P266066

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
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-T2U-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3706.1 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-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

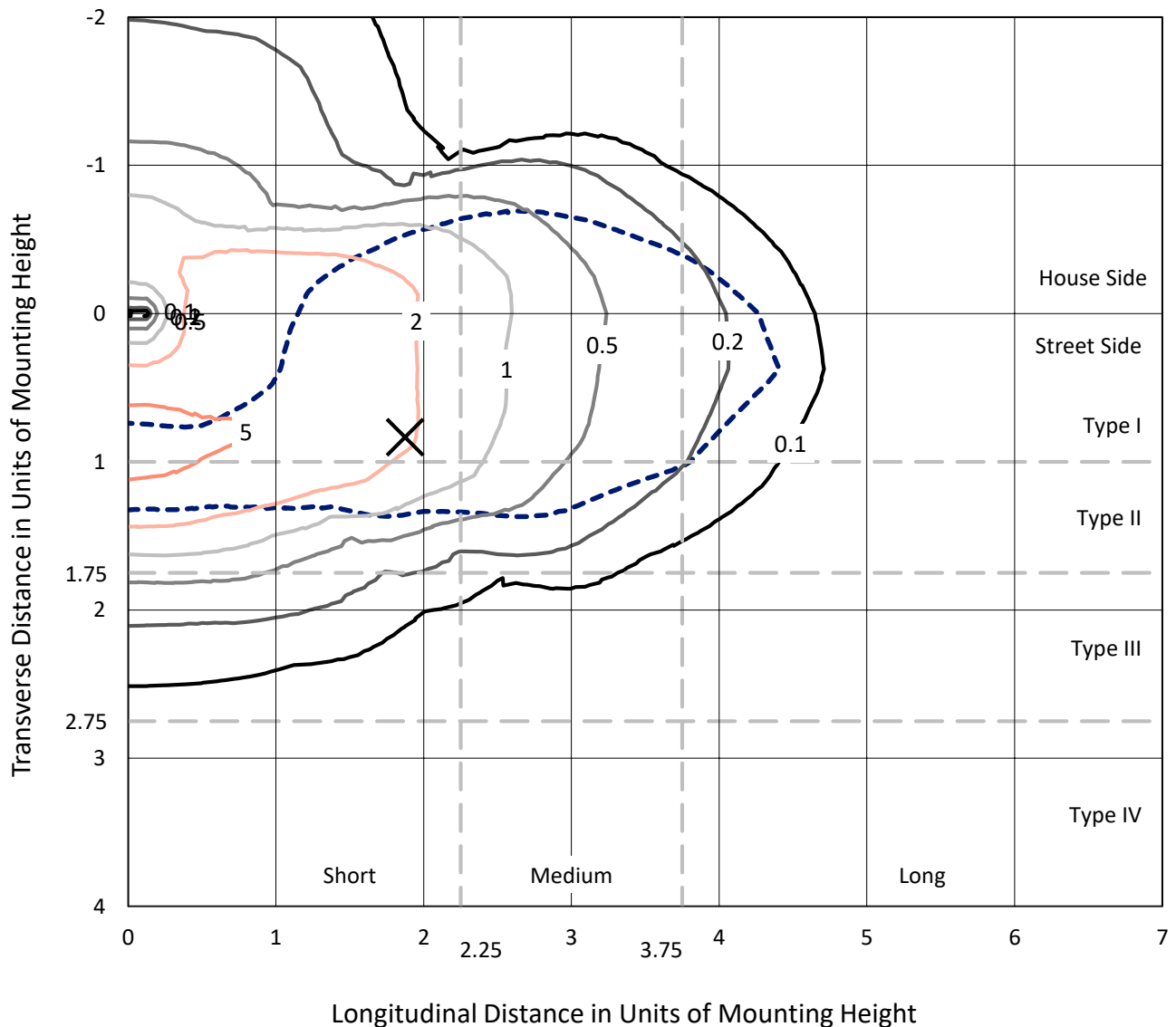


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Iso-Footcandle Lines of Horizontal Illumination

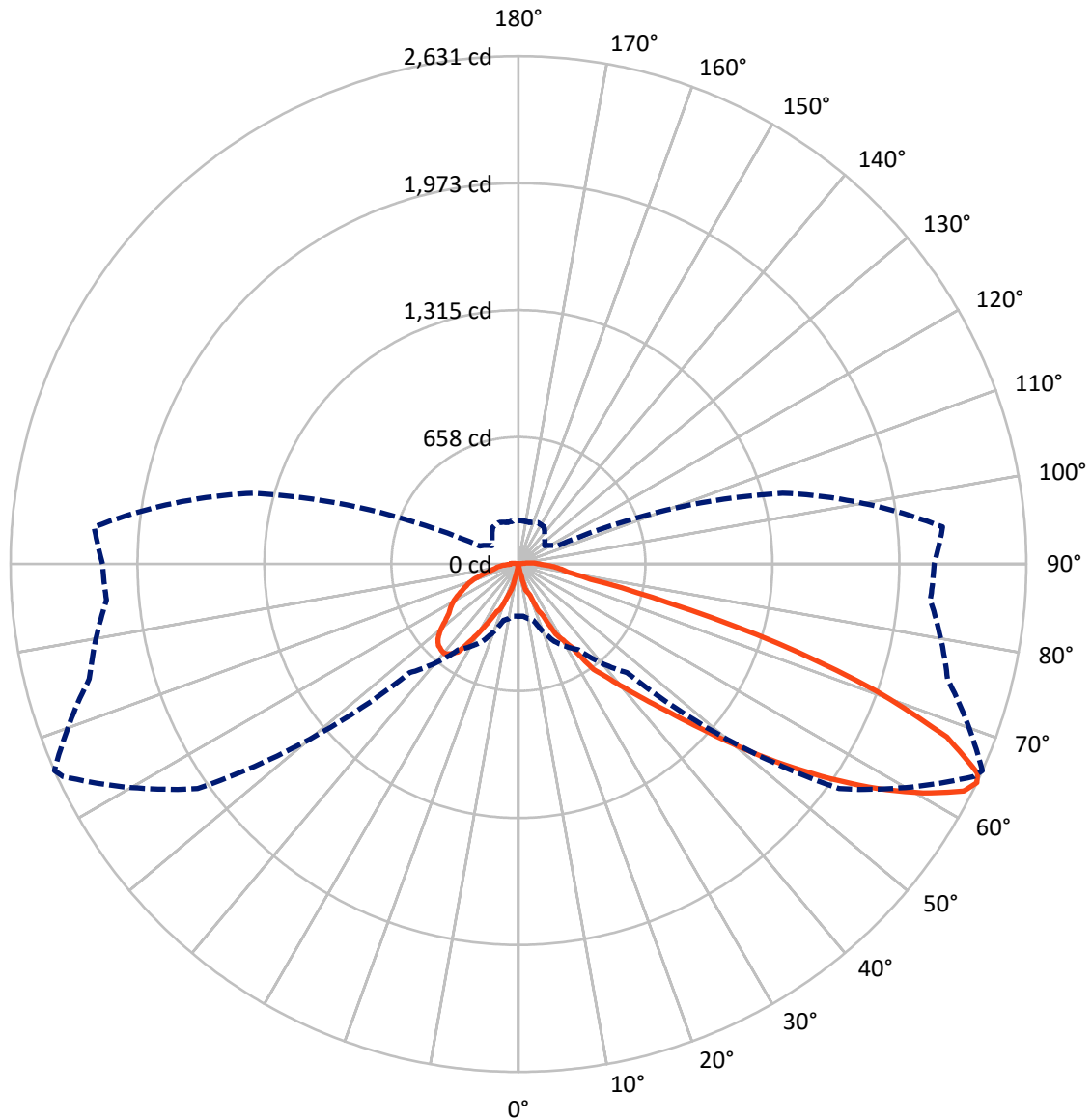
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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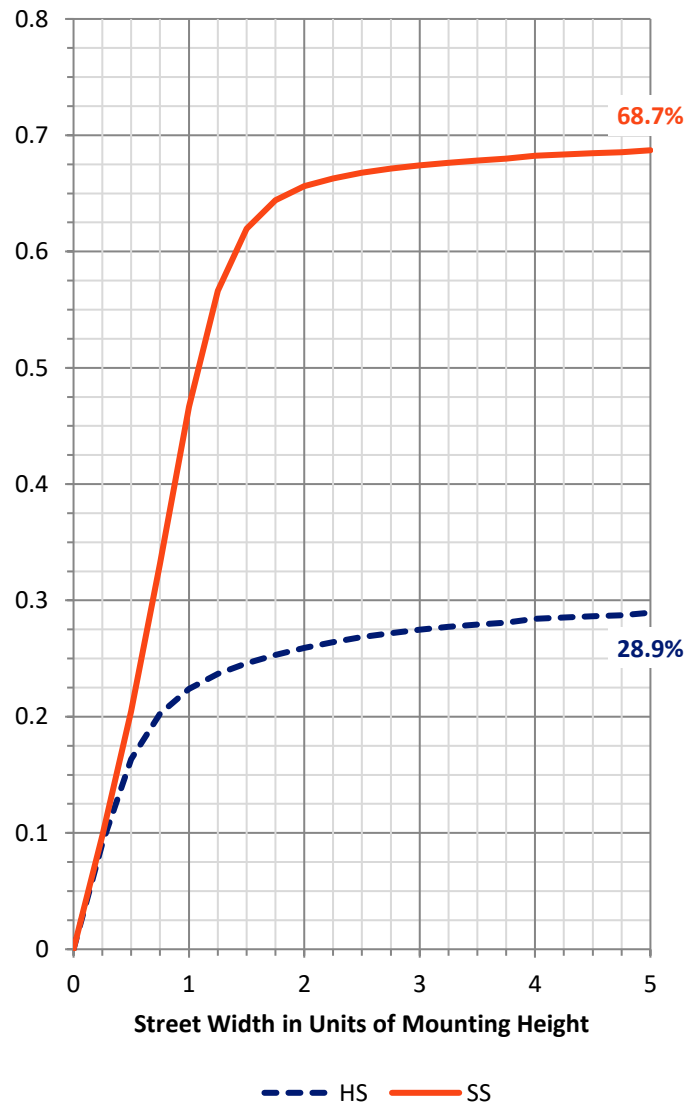
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.7	22.7	1119.4
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	2566.0	20.6	2586.6
	% Fixture	69.2	0.6	69.8
Total	Lumens	3662.8	43.3	3706.1
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	35.9	1.0
20°-30°	144.8	3.9
30°-40°	366.6	9.9
40°-50°	699.1	18.9
50°-60°	937.7	25.3
60°-70°	868.3	23.4
70°-80°	488.3	13.2
80°-90°	119.5	3.2
90°-100°	36.4	1.0
100°-110°	4.4	0.1
110°-120°	1.2	0.0
120°-130°	0.7	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°	3662.8	98.8
0°-180°	3706.1	100.0



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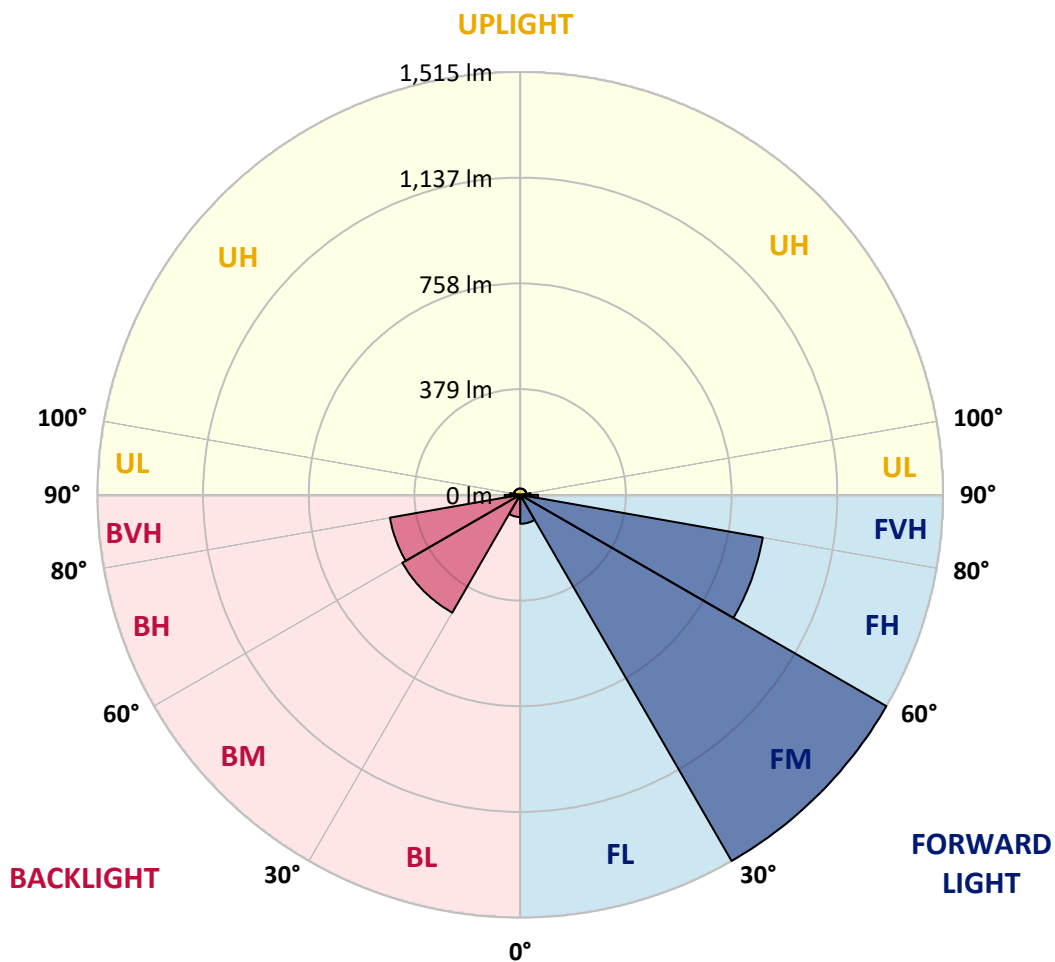
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-CL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.8	2.8			
FM	(30°-60°)	1515.5	40.9			
FH	(60°-80°)	882.8	23.8			G1/1800
FVH	(80°-90°)	63.9	1.7			G1/100
BL	(0°-30°)	79.4	2.1	B0/110		
BM	(30°-60°)	487.9	13.2	B1/1000		
BH	(60°-80°)	473.8	12.8	B1/500		G1/500
BVH	(80°-90°)	55.6	1.5			G1/100
UL	(90°-100°)	36.4	1.0		U2/50	
UH	(100°-180°)	22.7	0.6		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.3	4.3	4.3	4.9	4.3	4.0	3.6	2.6	2.2	1.3	1.3
5°	57.1	57.1	56.7	54.8	17.0	8.8	5.7	3.6	3.6	2.2	1.3
7.5°	64.0	63.6	63.6	61.9	61.4	56.7	28.7	5.7	5.2	3.1	1.7
10°	71.1	69.3	68.5	67.2	67.6	63.6	59.3	27.8	16.1	6.1	4.9
12.5°	131.6	130.8	126.8	106.8	74.1	68.0	66.7	55.8	54.0	46.6	54.4
15°	145.5	142.9	140.2	139.9	132.5	82.7	105.0	137.3	138.6	106.8	115.4
17.5°	169.9	165.6	156.8	150.3	146.5	169.9	156.5	151.6	152.9	130.8	130.3
20°	257.5	257.1	252.8	223.0	167.4	210.1	202.2	173.5	172.6	236.2	230.4
22.5°	303.6	296.4	290.6	281.0	287.5	230.1	245.7	252.8	258.4	271.0	259.3
25°	456.7	419.1	400.5	325.5	342.4	291.1	323.7	296.4	293.7	302.8	326.4
27.5°	526.8	528.9	514.2	487.6	395.7	408.3	361.2	415.2	411.8	419.1	402.3
30°	701.4	689.8	609.1	583.0	511.6	465.3	498.0	467.1	457.1	448.3	444.4
32.5°	864.9	864.4	842.7	734.6	643.9	544.6	566.4	519.0	521.9	578.7	592.6
35°	1118.8	1102.4	971.6	905.9	769.5	695.4	636.2	674.9	669.6	661.8	667.5
37.5°	1412.7	1391.7	1280.5	1074.9	932.9	797.9	790.4	762.5	743.3	752.1	757.7
40°	1584.7	1567.4	1470.2	1295.4	1088.8	976.5	904.1	862.7	839.1	873.6	872.3
42.5°	1707.1	1691.9	1636.2	1455.8	1309.3	1189.5	1039.2	980.0	955.5	1008.3	987.7
45°	1769.4	1742.9	1736.3	1600.4	1502.0	1448.3	1226.1	1123.7	1093.1	1149.4	1125.0
47.5°	1737.6	1708.4	1733.6	1647.4	1675.3	1673.2	1458.4	1291.0	1271.0	1318.1	1281.4
50°	1589.9	1572.9	1627.4	1639.1	1764.2	1855.3	1716.8	1468.4	1493.6	1471.0	1446.1
52.5°	1346.7	1339.8	1427.0	1525.1	1750.7	1974.7	1954.6	1671.4	1728.1	1627.0	1593.9
55°	1088.4	1089.7	1184.8	1300.7	1610.0	1991.7	2161.6	1913.7	1962.1	1784.3	1738.1
57.5°	794.7	829.7	938.1	1036.6	1342.4	1880.2	2289.7	2155.9	2196.0	1946.7	1869.7
60°	515.4	528.2	658.7	815.2	989.9	1542.0	2339.4	2377.8	2408.6	2115.4	1995.1
62.5°	340.3	341.6	395.7	576.1	684.5	1076.2	2218.3	2560.7	2590.4	2245.3	2101.9
64°	271.0	270.6	302.4	442.2	543.4	796.4	2028.7	2603.0	2630.9	2301.5	2142.0
65°	239.2	238.8	261.9	355.5	464.5	636.5	1839.5	2587.7	2614.7	2326.7	2152.9
67.5°	203.0	203.9	213.1	244.5	336.3	382.9	1125.4	2371.2	2393.4	2307.1	2115.0
70°	187.3	188.3	199.2	205.3	265.4	284.6	489.2	1936.7	1962.4	2217.8	2027.8
72.5°	165.2	166.5	180.7	196.5	210.5	236.2	311.5	1332.8	1406.4	1923.4	1910.7
75°	138.1	139.4	152.9	173.5	183.4	192.5	269.8	707.1	798.7	1447.4	1702.7
77.5°	112.8	113.7	125.0	139.0	166.8	149.5	236.2	361.7	383.4	915.9	1259.2
80°	83.3	84.1	96.3	111.5	129.4	130.3	194.8	260.6	261.9	501.1	679.7
82.5°	57.1	57.5	69.7	78.4	91.4	120.7	155.9	214.9	225.7	297.6	312.4
85°	39.3	39.6	47.0	50.1	57.5	66.7	112.8	168.6	185.2	213.4	187.3
87.5°	18.8	19.7	20.5	21.7	22.6	23.5	48.4	124.1	130.8	142.6	148.1
90°	15.7	15.7	12.1	11.8	13.6	14.0	22.2	105.9	103.8	136.5	147.3
92.5°	15.7	15.7	11.3	10.9	12.1	11.8	16.1	87.1	84.5	134.1	145.5
95°	13.6	14.0	9.2	8.8	10.5	9.6	12.7	50.9	54.0	94.5	107.6
97.5°	11.3	11.3	6.9	6.9	7.4	6.9	8.3	18.8	20.9	40.1	47.5
100°	8.3	8.8	4.3	4.9	4.9	4.3	4.3	7.8	8.8	10.9	10.5
102.5°	6.9	7.8	3.1	3.6	2.6	2.6	2.2	3.6	3.6	5.7	8.3
105°	5.2	6.1	2.2	2.2	1.7	1.7	0.9	2.6	2.6	4.9	8.8
107.5°	3.1	3.6	1.3	1.3	1.3	1.7	0.9	1.7	2.2	4.0	7.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.3	1.3	0.4	0.9	0.4	1.3	0.9	1.7	2.2	1.7	4.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.3	0.9	2.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.4	0.9	2.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	2.2
120°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	2.2
122.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	1.7
125°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7
127.5°	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3
130°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
135°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.4	0.0	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°	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.7	1.7	1.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.4
147.5°	2.2	2.2	1.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4
150°	1.7	1.7	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4
152.5°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.3	1.7	1.7	2.2	2.2	2.6	2.6	2.6	2.6	2.2	2.2
5°	1.3	1.7	1.7	2.2	2.6	3.6	4.0	4.9	4.9	5.2	5.2
7.5°	1.7	1.7	2.2	2.6	4.0	6.6	19.7	62.3	64.5	70.2	70.5
10°	4.3	4.9	4.9	5.2	12.7	64.0	72.0	75.0	79.0	79.3	79.0
12.5°	57.5	55.3	53.2	16.6	63.2	77.2	79.3	83.6	85.9	92.3	92.3
15°	116.3	116.3	112.4	123.7	112.0	85.9	92.3	145.0	150.3	154.2	152.1
17.5°	132.1	132.1	129.4	156.8	168.6	136.0	148.6	159.9	163.4	164.3	163.9
20°	237.4	234.8	211.8	192.5	176.1	215.8	182.1	164.7	196.1	227.0	228.8
22.5°	258.4	254.8	249.2	252.8	231.4	222.2	208.6	219.1	226.2	227.5	227.9
25°	325.9	323.7	281.4	269.3	290.6	247.9	250.9	214.9	218.7	223.5	223.0
27.5°	403.9	397.0	375.6	322.4	304.2	292.4	237.1	227.0	250.9	252.2	251.4
30°	448.3	428.8	389.5	398.3	328.5	279.7	235.3	238.0	227.5	227.9	228.8
32.5°	597.8	574.2	523.7	463.2	350.8	263.2	227.9	213.4	230.4	233.6	234.8
35°	653.5	632.6	589.1	548.1	357.3	250.9	202.6	209.1	209.6	210.5	211.3
37.5°	731.1	701.9	665.7	574.2	355.1	221.0	197.4	198.3	212.2	214.9	216.1
40°	826.6	789.5	748.9	586.1	320.2	209.6	193.0	199.6	204.4	203.0	203.9
42.5°	939.4	889.3	832.6	572.1	271.5	204.4	193.0	197.4	198.3	194.4	194.4
45°	1069.3	1013.5	903.7	556.4	234.0	206.2	197.4	194.8	190.4	184.7	183.4
47.5°	1211.4	1146.3	969.0	525.9	207.9	204.9	200.1	190.4	185.6	180.7	180.7
50°	1363.4	1294.9	1024.8	478.8	195.7	202.6	198.6	193.0	187.7	179.1	178.7
52.5°	1509.0	1453.1	1094.0	414.7	183.9	204.4	208.6	196.1	188.6	176.8	176.8
55°	1649.6	1617.4	1156.4	364.3	179.1	199.2	214.3	203.5	187.7	178.7	179.1
57.5°	1790.0	1786.0	1227.9	330.2	173.5	196.1	221.8	209.1	196.1	186.9	186.9
60°	1949.4	1967.3	1319.8	292.4	172.6	192.5	224.8	218.7	203.5	201.7	202.2
62.5°	2086.7	2133.3	1389.9	248.3	166.8	190.0	230.1	227.9	212.5	210.9	213.4
64°	2154.1	2206.1	1417.3	221.0	165.6	191.7	232.2	237.1	222.7	224.3	224.3
65°	2178.6	2229.6	1425.3	202.6	164.3	192.5	232.8	240.0	224.8	224.3	224.3
67.5°	2179.5	2218.8	1397.9	173.8	158.6	192.1	234.8	248.3	233.6	243.6	239.7
70°	2128.1	2077.2	1291.5	153.8	157.7	192.5	233.1	244.0	231.0	253.6	251.4
72.5°	1986.4	1803.4	1026.1	135.6	159.4	190.0	223.9	232.8	223.0	256.1	254.0
75°	1678.5	1405.7	631.8	126.8	157.4	180.7	213.1	211.8	207.0	227.9	226.6
77.5°	1153.3	925.1	302.4	123.7	154.2	168.3	189.2	186.9	181.6	190.4	187.7
80°	597.0	488.9	182.5	113.2	143.4	146.0	154.2	155.9	150.3	152.5	148.9
82.5°	282.3	258.0	153.4	103.2	122.9	108.1	119.8	125.6	115.4	115.9	103.8
85°	176.4	179.9	126.3	80.2	82.7	65.8	83.3	89.3	76.6	65.3	62.3
87.5°	146.5	152.9	93.2	44.8	38.4	33.5	47.0	49.2	35.4	29.6	27.5
90°	151.2	155.9	91.9	35.8	30.5	25.2	34.5	30.5	21.7	19.1	17.4
92.5°	149.8	152.1	91.1	34.5	28.7	23.0	29.1	23.5	17.0	14.8	13.6
95°	112.8	121.1	73.7	33.5	25.2	18.8	21.7	18.2	11.8	10.5	9.6
97.5°	46.6	54.8	43.6	31.8	19.7	14.0	14.5	12.7	6.9	6.1	5.7
100°	9.2	14.5	23.0	23.0	9.6	7.4	7.4	6.9	3.6	3.1	2.6
102.5°	9.2	8.8	10.5	12.7	4.3	2.2	2.6	3.6	2.2	3.1	3.1
105°	9.6	9.2	5.7	3.6	2.6	1.3	0.9	0.9	1.7	3.6	4.0
107.5°	8.8	8.8	4.0	2.6	2.2	1.7	0.4	0.4	1.3	4.0	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.3	4.9	3.1	2.2	2.2	1.7	0.4	0.0	1.3	4.3	4.9
112.5°	2.6	2.6	2.6	1.7	1.3	1.3	0.4	0.0	1.3	4.9	5.2
115°	2.6	2.6	2.2	1.7	1.3	0.9	0.0	0.0	1.3	5.2	5.7
117.5°	2.6	2.6	2.2	1.3	0.9	0.4	0.0	0.0	1.3	5.2	5.7
120°	2.6	2.6	2.2	1.3	0.9	0.4	0.0	0.0	1.3	4.9	5.2
122.5°	2.6	2.6	2.2	1.3	0.9	0.4	0.0	0.0	1.3	4.0	4.3
125°	2.2	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.9	3.6	3.6
127.5°	1.7	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.9	2.6	3.1
130°	1.7	1.7	1.3	1.3	0.9	0.4	0.0	0.0	0.4	2.2	2.6
132.5°	1.3	1.3	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.9	1.3
135°	0.4	0.9	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
142.5°	0.4	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
145°	0.4	0.9	0.9	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
147.5°	0.9	0.9	0.9	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
150°	0.9	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.4	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)