

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: P414041

Luminaire Tested: **LXF.LXT-PA1-100-830-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7216 lumens
Efficiency: N/A
Efficacy: 75.2 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: B2 - U3 - G4

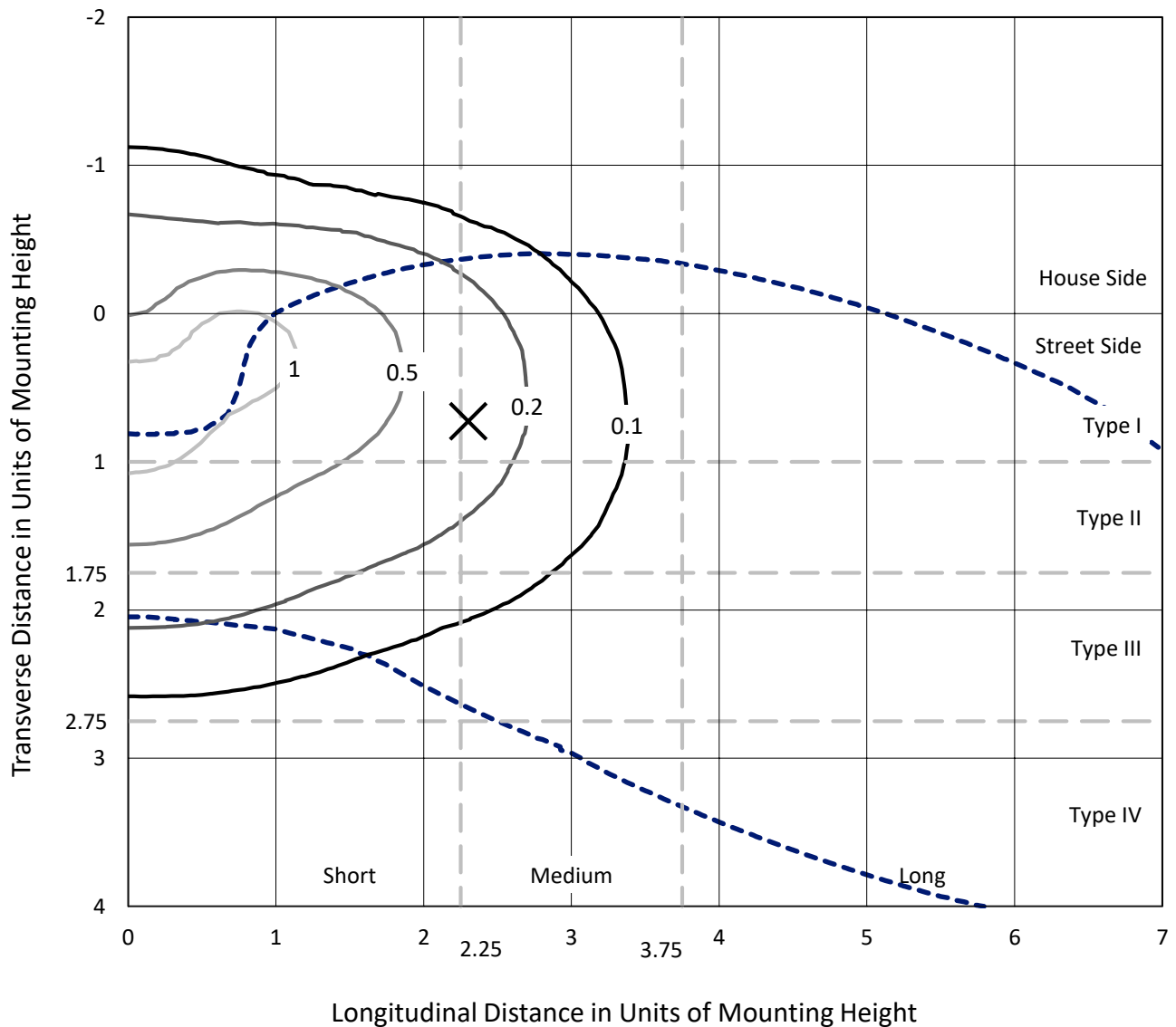
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

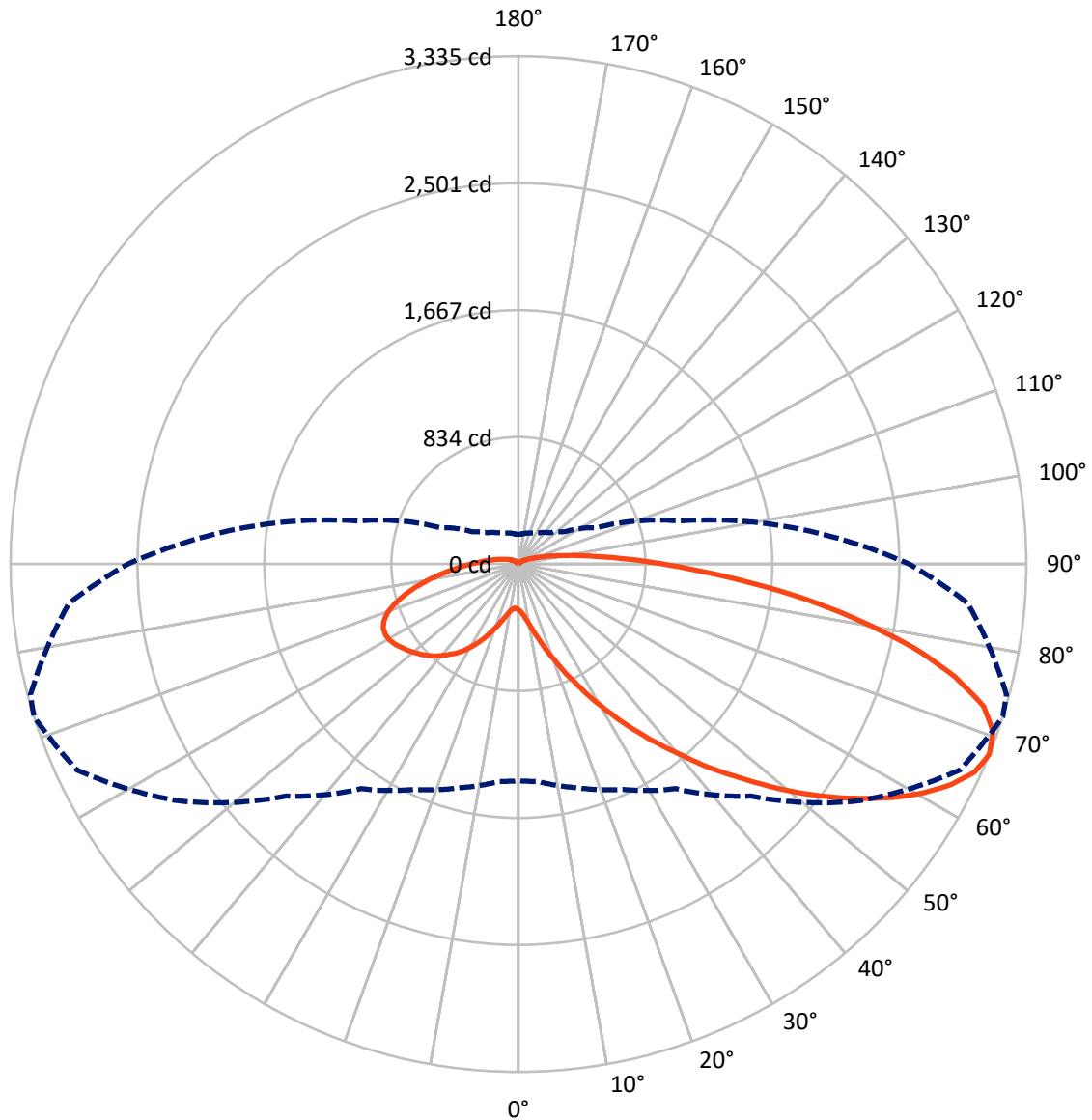


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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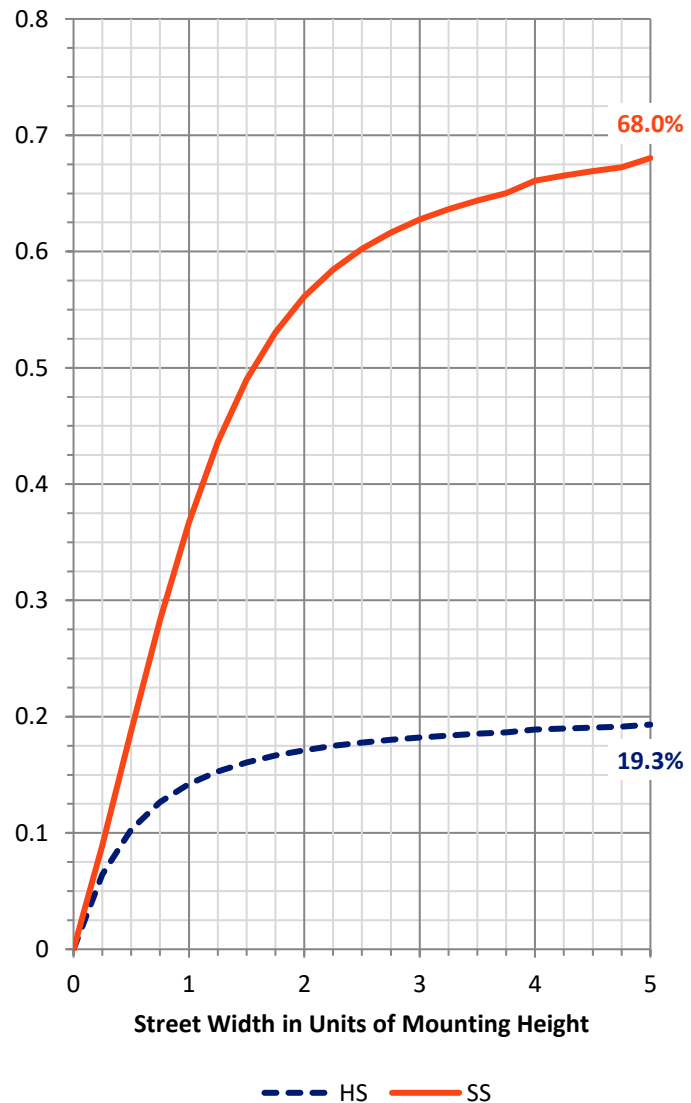
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1465.3	208.4	1673.8
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	5138.1	404.1	5542.2
	% Fixture	71.2	5.6	76.8
Total	Lumens	6603.5	612.5	7216.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	0.4
10°-20°	123.1	1.7
20°-30°	297.3	4.1
30°-40°	566.7	7.9
40°-50°	912.1	12.6
50°-60°	1262.0	17.5
60°-70°	1450.0	20.1
70°-80°	1244.6	17.2
80°-90°	716.6	9.9
90°-100°	323.9	4.5
100°-110°	148.9	2.1
110°-120°	74.8	1.0
120°-130°	38.8	0.5
130°-140°	18.5	0.3
140°-150°	6.3	0.1
150°-160°	1.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6603.5	91.5
0°-180°	7216.0	100.0



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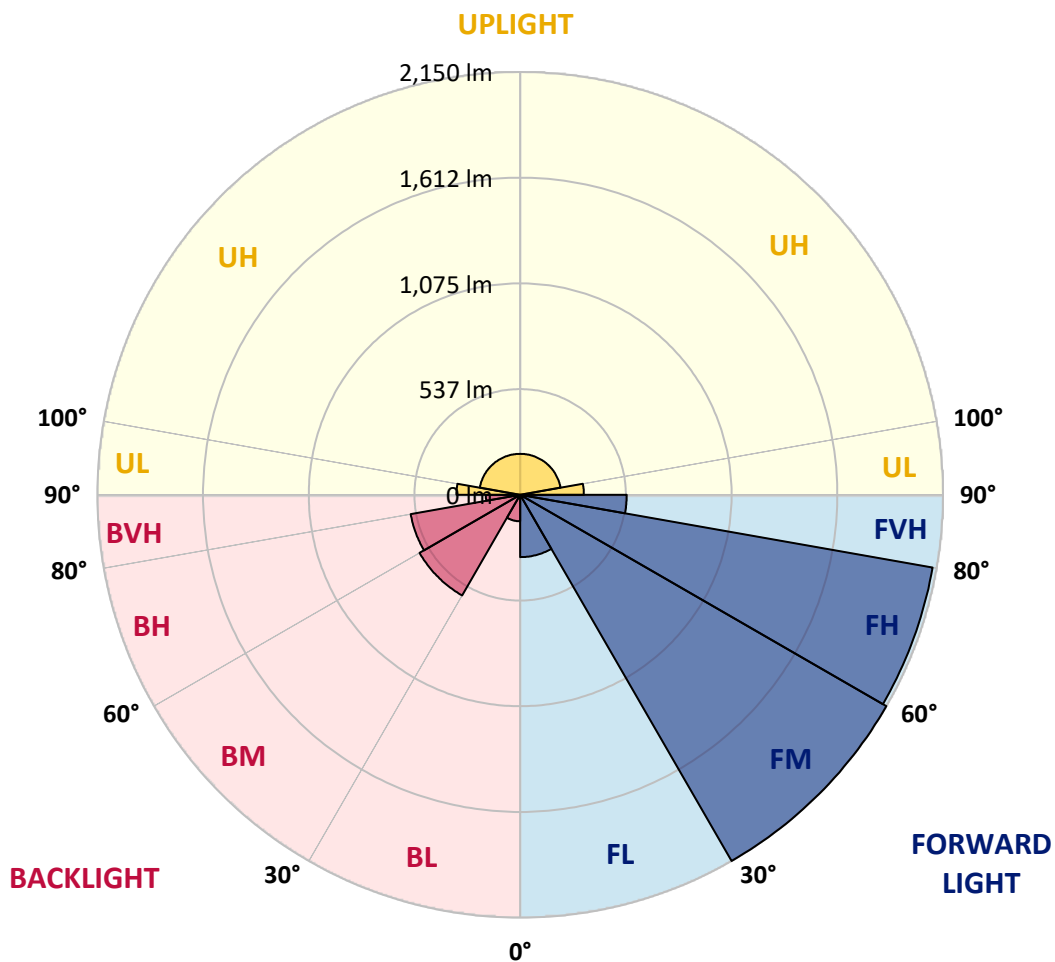
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.9	4.4			
FM (30°-60°)	2149.9	29.8			
FH (60°-80°)	2129.6	29.5			G2/5000
FVH (80°-90°)	541.7	7.5			G4/750
BL (0°-30°)	134.6	1.9	B1/500		
BM (30°-60°)	590.8	8.2	B1/1000		
BH (60°-80°)	565.0	7.8	B2/1000		G2/1000
BVH (80°-90°)	174.9	2.4			G2/225
UL (90°-100°)	323.9	4.5		U3/500	
UH (100°-180°)	208.4	2.9		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0
2.5°	337.5	336.6	337.5	334.9	332.3	327.1	323.6	316.6	313.2	311.4	304.5
5°	385.2	384.3	383.4	380.0	371.3	365.2	354.8	342.7	334.9	331.4	320.1
7.5°	437.2	435.5	433.8	426.0	419.9	409.5	393.9	378.2	365.2	362.6	341.8
10°	496.2	494.5	491.0	484.9	473.7	458.9	445.0	422.5	406.0	398.2	375.6
12.5°	556.9	560.4	556.1	543.9	530.9	517.0	497.1	475.4	458.1	452.0	417.3
15°	630.7	633.3	629.0	615.1	601.2	580.4	564.8	542.2	518.8	515.3	477.1
17.5°	712.2	711.4	702.7	689.7	677.5	661.1	638.5	617.7	591.6	585.6	538.7
20°	800.7	797.3	789.4	767.8	756.5	737.4	723.5	694.9	669.7	661.1	614.2
22.5°	889.2	887.5	880.5	860.6	846.7	830.2	809.4	783.4	766.0	748.7	696.6
25°	1000.3	989.8	981.2	945.6	932.6	917.0	898.8	877.1	860.6	851.0	791.2
27.5°	1111.3	1103.5	1083.5	1057.5	1032.3	1007.2	999.4	980.3	975.1	967.3	899.6
30°	1221.5	1218.0	1196.3	1163.3	1126.9	1102.6	1098.3	1100.0	1092.2	1082.7	1010.7
32.5°	1346.4	1338.6	1314.3	1270.0	1231.9	1203.3	1203.3	1215.4	1222.3	1212.8	1136.5
35°	1468.7	1461.8	1431.4	1376.8	1334.2	1299.5	1313.4	1342.1	1358.5	1358.5	1264.0
37.5°	1598.0	1582.4	1551.1	1493.9	1436.6	1411.5	1427.1	1476.5	1500.8	1500.8	1405.4
40°	1710.7	1709.9	1667.4	1598.8	1542.5	1505.1	1552.9	1618.8	1650.9	1648.3	1547.7
42.5°	1823.5	1822.7	1781.9	1706.4	1635.3	1616.2	1676.0	1768.9	1820.9	1820.9	1691.7
45°	1925.0	1918.1	1883.4	1800.1	1734.2	1725.5	1814.0	1932.0	1985.8	1994.4	1847.8
47.5°	1999.6	1993.6	1963.2	1882.5	1820.1	1835.7	1942.4	2092.5	2165.3	2164.5	2007.4
50°	2049.9	2043.9	2017.9	1948.4	1894.7	1933.7	2082.0	2262.5	2353.6	2360.5	2165.3
52.5°	2064.7	2061.2	2047.3	1990.1	1955.4	2022.2	2213.0	2436.0	2539.2	2545.3	2338.0
55°	2039.5	2039.5	2038.7	2004.0	1990.1	2101.1	2348.4	2605.2	2717.1	2728.4	2508.0
57.5°	1980.5	1983.2	1998.8	1987.5	2008.3	2164.5	2462.9	2757.8	2893.2	2900.1	2659.8
60°	1891.2	1886.0	1920.7	1941.5	1997.9	2204.4	2564.4	2911.4	3052.8	3055.4	2793.4
62.5°	1755.9	1758.5	1808.8	1863.4	1960.6	2220.9	2653.7	3045.9	3189.0	3195.1	2897.5
65°	1596.2	1602.3	1670.8	1762.8	1896.4	2203.5	2704.9	3149.1	3292.2	3284.4	2957.4
67.5°	1423.6	1432.3	1521.6	1633.5	1801.0	2154.9	2713.6	3198.5	3334.7	3317.4	2962.6
70°	1234.5	1257.0	1346.4	1492.1	1677.8	2062.1	2663.3	3189.9	3306.1	3289.6	2885.4
72.5°	1062.7	1079.2	1177.2	1329.0	1539.8	1927.6	2556.6	3090.1	3194.2	3161.2	2724.0
75°	891.8	917.0	1009.8	1172.0	1390.6	1761.1	2375.3	2897.5	2961.7	2926.1	2483.7
77.5°	746.1	768.6	860.6	1016.7	1226.7	1586.7	2137.6	2605.2	2658.1	2621.6	2180.1
80°	608.1	633.3	722.6	876.2	1073.1	1382.0	1865.2	2263.4	2283.3	2226.1	1845.2
82.5°	508.4	521.4	604.7	740.0	921.3	1192.0	1585.8	1899.0	1899.9	1831.3	1499.1
85°	415.5	423.3	499.7	622.0	777.3	1007.2	1302.1	1529.4	1512.1	1474.8	1155.5
87.5°	336.6	344.4	412.9	523.1	654.1	840.6	1062.7	1204.1	1163.3	1133.8	897.0
90°	275.9	284.5	340.9	436.4	549.1	694.0	845.8	930.8	894.4	871.9	691.4
92.5°	225.6	234.2	283.7	365.2	465.0	568.2	672.3	712.2	687.1	661.1	521.4
95°	190.9	192.6	236.8	305.4	384.3	458.9	526.6	550.0	515.3	505.8	403.4
97.5°	157.0	162.2	196.9	257.7	321.0	382.6	417.3	429.4	398.2	377.4	308.8
100°	133.6	136.2	166.6	215.1	267.2	311.4	338.3	332.3	304.5	292.4	234.2
102.5°	114.5	117.1	141.4	186.5	227.3	259.4	272.4	262.9	236.8	229.0	183.9
105°	100.6	101.5	121.5	157.9	192.6	219.5	224.7	209.9	184.8	174.4	144.9
107.5°	89.4	90.2	105.8	137.1	166.6	184.8	186.5	170.0	145.7	137.9	116.2
110°	79.8	81.5	92.8	118.9	144.0	157.9	156.2	138.8	116.2	109.3	95.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	72.0	73.7	82.4	104.1	124.9	137.1	132.7	111.9	92.8	88.5	78.9
115°	65.9	67.7	74.6	92.0	110.2	118.9	111.9	92.8	76.3	71.1	65.9
117.5°	61.6	62.5	67.7	81.5	95.4	102.4	94.6	77.2	62.5	59.0	56.4
120°	57.3	58.1	62.5	72.0	84.1	87.6	79.8	63.3	52.1	50.3	49.4
122.5°	53.8	53.8	57.3	64.2	72.9	75.5	67.7	52.9	44.2	42.5	43.4
125°	50.3	50.3	52.1	57.3	63.3	65.1	56.4	44.2	37.3	36.4	38.2
127.5°	46.8	46.8	47.7	51.2	54.7	54.7	46.8	36.4	32.1	31.2	33.8
130°	43.4	43.4	43.4	45.1	46.8	46.0	38.2	30.4	27.8	27.8	29.5
132.5°	39.9	39.9	39.9	39.9	39.0	37.3	31.2	24.3	24.3	24.3	26.0
135°	35.6	35.6	35.6	34.7	33.0	30.4	24.3	20.0	20.0	20.8	22.6
137.5°	32.1	32.1	31.2	29.5	26.9	23.4	19.1	15.6	17.4	17.4	19.1
140°	27.8	27.8	26.9	24.3	20.8	17.4	13.9	13.0	13.9	14.7	16.5
142.5°	23.4	23.4	22.6	20.0	16.5	12.1	9.5	9.5	11.3	11.3	13.0
145°	19.1	19.1	18.2	15.6	11.3	7.8	6.1	6.9	8.7	8.7	9.5
147.5°	14.7	14.7	13.9	11.3	7.8	5.2	3.5	5.2	6.1	6.1	6.9
150°	10.4	10.4	9.5	7.8	5.2	2.6	1.7	2.6	3.5	4.3	4.3
152.5°	6.9	6.9	6.1	5.2	2.6	0.9	1.7	2.6	2.6	2.6	3.5
155°	4.3	3.5	3.5	2.6	0.9	0.0	0.9	1.7	1.7	1.7	2.6
157.5°	1.7	1.7	1.7	1.7	0.9	0.0	0.9	0.9	0.9	1.7	1.7
160°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
162.5°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
165°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
167.5°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
170°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
172.5°	0.0	0.9	0.9	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
175°	0.0	0.9	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.0	0.9	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0
2.5°	302.8	299.3	294.1	288.9	283.7	280.2	276.7	275.0	272.4	269.8	269.8
5°	313.2	306.2	294.1	281.9	270.7	261.1	251.6	246.4	242.9	239.4	240.3
7.5°	332.3	321.8	301.9	281.9	263.7	248.1	235.1	224.7	217.7	213.4	214.3
10°	359.2	347.9	317.5	288.9	262.9	240.3	222.1	207.3	198.7	194.3	194.3
12.5°	401.7	382.6	342.7	301.9	267.2	236.8	213.4	196.1	183.9	178.7	177.8
15°	452.8	426.0	377.4	327.1	277.6	236.8	206.5	194.3	186.5	183.0	182.2
17.5°	513.6	484.1	417.3	350.5	291.5	242.0	216.0	201.3	192.6	189.1	188.3
20°	579.5	544.8	460.7	380.0	305.4	257.7	225.6	207.3	197.8	194.3	194.3
22.5°	660.2	614.2	507.5	406.0	322.7	270.7	235.1	212.5	203.9	200.4	199.5
25°	743.5	691.4	563.0	433.8	341.8	281.1	242.0	217.7	209.1	205.6	206.5
27.5°	841.5	774.7	617.7	461.5	358.3	287.1	245.5	222.1	213.4	210.8	211.7
30°	943.9	859.7	666.3	490.1	369.6	291.5	248.1	225.6	216.0	214.3	214.3
32.5°	1052.3	956.9	716.6	515.3	376.5	292.4	248.1	227.3	217.7	216.9	217.7
35°	1163.3	1050.6	765.2	535.3	380.0	291.5	247.2	229.0	217.7	217.7	217.7
37.5°	1286.5	1142.5	805.9	549.1	380.8	288.9	246.4	228.2	217.7	217.7	218.6
40°	1413.2	1240.6	851.0	560.4	380.0	287.1	245.5	228.2	217.7	217.7	218.6
42.5°	1539.0	1331.6	893.5	567.4	378.2	285.4	244.6	228.2	217.7	216.0	216.9
45°	1675.2	1437.5	934.3	571.7	376.5	284.5	244.6	227.3	217.7	214.3	215.1
47.5°	1801.8	1535.5	967.3	576.9	375.6	284.5	245.5	227.3	216.9	213.4	213.4
50°	1945.0	1637.0	1001.1	578.6	373.9	284.5	245.5	227.3	216.0	210.8	211.7
52.5°	2086.4	1739.4	1034.1	582.1	373.9	285.4	246.4	227.3	215.1	208.2	208.2
55°	2221.7	1830.5	1063.6	584.7	373.9	287.1	249.0	227.3	214.3	205.6	205.6
57.5°	2345.8	1924.2	1093.1	585.6	373.9	288.9	249.0	228.2	213.4	203.0	203.0
60°	2455.9	2004.8	1113.9	586.4	373.0	290.6	250.7	227.3	212.5	200.4	200.4
62.5°	2534.0	2066.4	1124.3	583.8	373.0	290.6	251.6	227.3	211.7	199.5	198.7
65°	2578.3	2088.1	1118.2	576.0	371.3	290.6	250.7	226.4	209.9	197.8	196.9
67.5°	2563.5	2064.7	1092.2	563.9	367.0	289.8	250.7	224.7	209.9	196.9	195.2
70°	2483.7	1994.4	1042.8	545.7	360.9	286.3	247.2	222.1	208.2	196.1	194.3
72.5°	2327.6	1853.0	970.8	517.0	350.5	281.1	242.9	217.7	204.7	193.5	190.9
75°	2110.7	1684.7	883.1	487.5	337.5	274.1	237.7	213.4	200.4	190.0	187.4
77.5°	1832.2	1460.0	786.0	449.4	321.0	264.6	230.8	206.5	194.3	184.8	181.3
80°	1543.3	1230.1	681.0	409.5	303.6	252.4	220.4	197.8	186.5	177.8	173.5
82.5°	1249.2	1010.7	583.0	371.3	283.7	238.6	209.9	188.3	177.8	168.3	164.0
85°	985.5	799.0	488.4	331.4	262.9	224.7	197.8	177.0	167.4	157.0	152.7
87.5°	766.9	634.2	408.6	295.0	240.3	209.1	184.8	165.7	154.4	144.9	141.4
90°	597.7	499.7	341.8	260.3	220.4	193.5	170.9	153.6	142.3	132.7	128.4
92.5°	455.4	395.6	286.3	229.9	200.4	177.8	157.9	141.4	130.1	119.7	115.4
95°	356.6	314.0	242.0	202.1	180.4	161.4	144.9	129.3	117.1	105.8	103.2
97.5°	276.7	251.6	203.9	177.0	163.1	145.7	131.0	117.1	105.0	93.7	91.1
100°	218.6	200.4	172.6	157.0	144.9	131.0	118.0	105.8	92.8	80.7	79.8
102.5°	172.6	164.8	146.6	137.9	128.4	118.0	106.7	93.7	80.7	69.4	68.5
105°	141.4	134.5	125.8	120.6	114.5	105.0	94.6	83.3	70.3	59.9	59.9
107.5°	114.5	111.0	106.7	105.8	101.5	93.7	85.0	73.7	60.7	52.1	52.1
110°	93.7	92.8	92.8	92.8	90.2	84.1	75.5	64.2	51.2	45.1	45.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	78.9	78.9	79.8	81.5	79.8	73.7	65.9	55.5	44.2	39.0	39.0
115°	66.8	67.7	70.3	71.1	70.3	65.9	58.1	47.7	37.3	33.8	34.7
117.5°	58.1	58.1	61.6	63.3	62.5	58.1	50.3	40.8	32.1	30.4	30.4
120°	50.3	52.1	54.7	55.5	54.7	50.3	44.2	34.7	27.8	26.9	26.9
122.5°	44.2	45.1	47.7	49.4	47.7	44.2	37.3	29.5	23.4	23.4	24.3
125°	39.0	39.9	41.6	43.4	41.6	37.3	32.1	24.3	20.8	20.8	20.8
127.5°	34.7	35.6	37.3	37.3	35.6	32.1	26.9	20.8	17.4	18.2	18.2
130°	30.4	31.2	32.1	32.1	31.2	27.8	22.6	17.4	15.6	16.5	16.5
132.5°	26.9	27.8	27.8	27.8	26.0	23.4	19.1	14.7	13.9	14.7	14.7
135°	23.4	23.4	24.3	23.4	21.7	19.1	14.7	12.1	12.1	13.0	13.0
137.5°	20.0	20.8	20.8	19.1	17.4	14.7	12.1	10.4	10.4	11.3	11.3
140°	16.5	17.4	16.5	15.6	13.9	12.1	9.5	7.8	8.7	9.5	9.5
142.5°	13.9	13.9	13.9	12.1	10.4	8.7	6.9	6.9	7.8	7.8	8.7
145°	10.4	10.4	10.4	9.5	7.8	6.1	5.2	5.2	6.1	6.9	6.9
147.5°	7.8	7.8	7.8	6.9	5.2	4.3	3.5	4.3	5.2	6.1	5.2
150°	5.2	5.2	5.2	4.3	3.5	2.6	2.6	3.5	4.3	4.3	4.3
152.5°	3.5	3.5	3.5	3.5	2.6	0.9	1.7	2.6	3.5	3.5	3.5
155°	2.6	2.6	2.6	2.6	1.7	0.0	0.9	1.7	2.6	2.6	2.6
157.5°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.9	1.7	1.7	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)