

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: P416096

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100 lumens
Efficiency: N/A
Efficacy: 79.7 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: B1 - U3 - G3

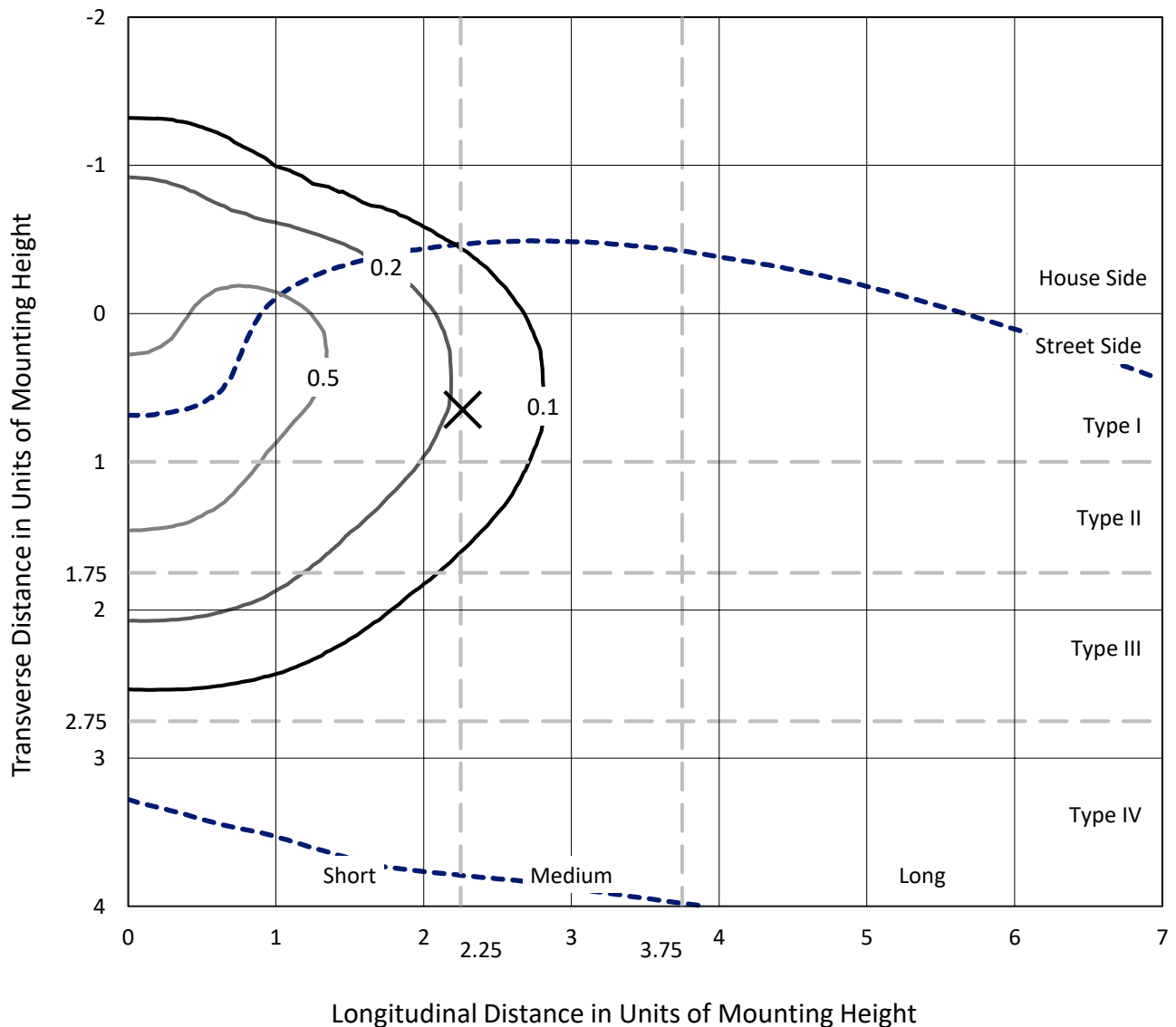
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

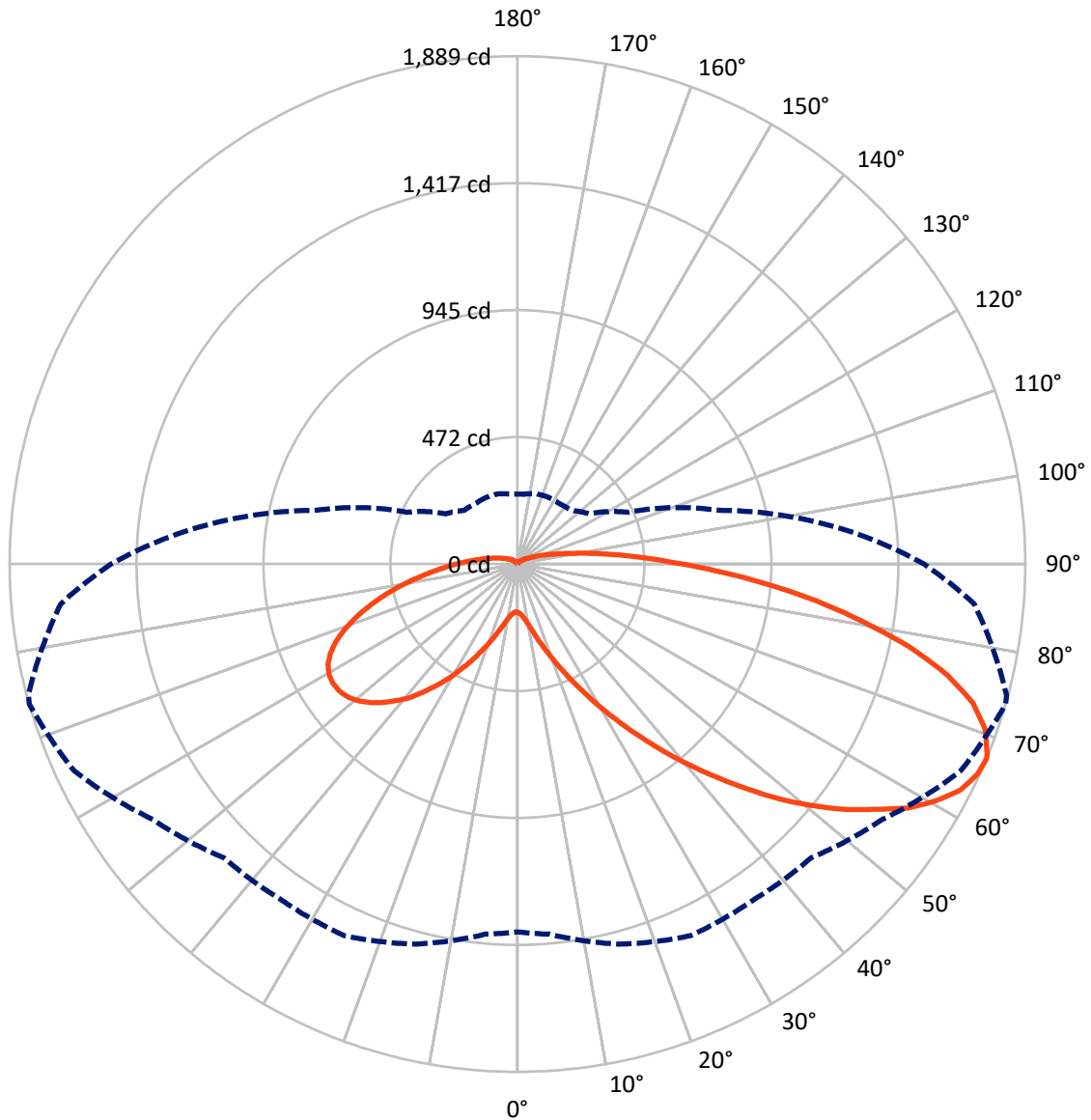
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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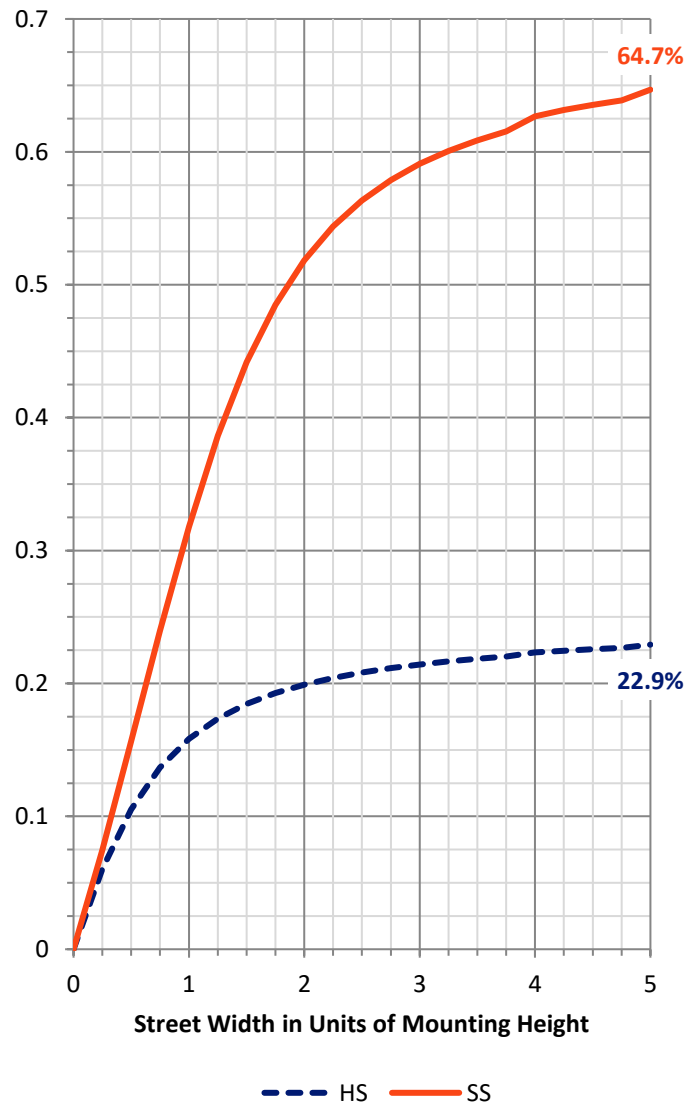
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1229.4	152.1	1381.4
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	3453.9	264.7	3718.6
	% Fixture	67.7	5.2	72.9
Total	Lumens	4683.2	416.8	5100.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.4
10°-20°	78.3	1.5
20°-30°	198.1	3.9
30°-40°	397.5	7.8
40°-50°	667.3	13.1
50°-60°	936.1	18.4
60°-70°	1046.3	20.5
70°-80°	853.6	16.7
80°-90°	487.3	9.6
90°-100°	222.7	4.4
100°-110°	101.9	2.0
110°-120°	50.3	1.0
120°-130°	25.6	0.5
130°-140°	11.9	0.2
140°-150°	3.9	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4683.2	91.8
0°-180°	5100.0	100.0

Coefficient of Utilization



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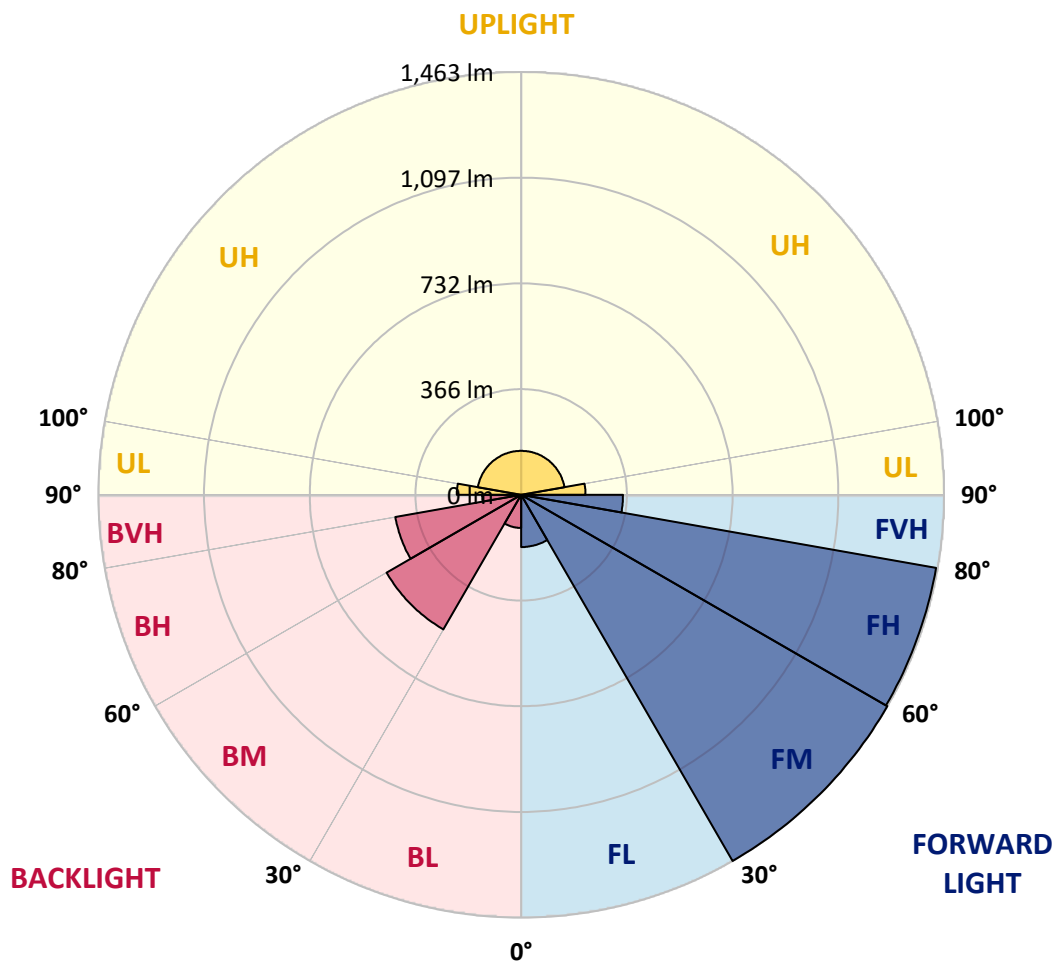
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.7	3.5			
FM	(30°-60°)	1463.0	28.7			
FH	(60°-80°)	1457.8	28.6			G1/1800
FVH	(80°-90°)	352.3	6.9			G3/500
BL	(0°-30°)	114.6	2.2	B1/500		
BM	(30°-60°)	537.8	10.5	B1/1000		
BH	(60°-80°)	442.1	8.7	B1/500		G1/500
BVH	(80°-90°)	134.9	2.6			G2/225
UL	(90°-100°)	222.7	4.4		U3/500	
UH	(100°-180°)	152.1	3.0		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	195.5	194.3	194.3	193.1	192.5	190.1	188.3	185.9	184.7	184.1	182.3
5°	213.5	211.7	211.7	210.5	208.1	205.1	200.9	198.5	194.3	194.9	189.5
7.5°	235.1	234.5	233.3	230.9	227.9	224.3	220.1	214.7	209.9	209.9	203.3
10°	263.9	260.3	260.3	257.3	254.3	248.9	242.9	236.9	230.3	229.7	220.7
12.5°	298.6	298.0	294.4	290.2	285.5	280.1	270.5	264.5	257.9	257.3	247.7
15°	339.4	337.6	332.8	331.0	323.8	314.2	306.4	300.4	293.8	291.4	278.9
17.5°	387.4	385.0	383.2	374.2	368.2	360.4	351.4	343.6	332.2	331.0	317.2
20°	443.8	438.4	433.0	425.8	416.2	409.0	399.4	392.2	379.0	379.0	360.4
22.5°	503.1	501.9	497.1	485.1	472.0	464.8	455.8	441.4	430.6	427.6	407.2
25°	575.1	573.9	564.3	551.7	537.9	527.1	512.7	497.1	488.1	487.5	464.8
27.5°	656.7	658.5	641.7	625.5	606.9	589.5	573.9	566.1	554.1	552.3	525.9
30°	755.0	747.2	729.8	706.4	680.6	658.5	642.3	634.5	626.7	626.1	594.3
32.5°	855.2	846.2	831.2	798.8	762.8	728.6	720.8	714.2	705.2	700.4	668.7
35°	966.1	958.9	937.3	894.7	846.8	809.6	793.4	794.6	790.4	788.0	749.6
37.5°	1088.4	1075.8	1046.5	1005.1	934.3	894.1	875.5	885.7	883.3	878.5	838.4
40°	1203.6	1201.8	1170.6	1106.4	1035.1	978.1	965.5	982.9	979.9	973.9	929.5
42.5°	1336.7	1323.5	1288.7	1216.8	1130.4	1067.4	1053.7	1079.4	1083.0	1084.2	1024.9
45°	1450.6	1444.7	1411.7	1328.9	1229.4	1161.0	1149.6	1177.2	1189.2	1190.4	1125.0
47.5°	1561.6	1559.2	1525.6	1439.9	1325.9	1253.4	1238.4	1277.9	1303.1	1297.7	1220.4
50°	1644.9	1649.1	1622.2	1540.6	1421.9	1335.5	1339.1	1387.7	1411.1	1408.1	1322.3
52.5°	1716.3	1710.3	1698.9	1621.6	1498.0	1418.9	1423.1	1481.2	1516.0	1514.2	1418.9
55°	1742.7	1740.9	1742.1	1679.1	1560.4	1487.2	1499.8	1582.0	1610.8	1607.2	1497.4
57.5°	1737.3	1736.1	1754.7	1713.3	1610.8	1541.2	1570.0	1664.7	1712.1	1707.3	1580.2
60°	1696.5	1691.1	1731.3	1716.3	1631.2	1574.8	1625.2	1737.3	1788.3	1787.1	1647.9
62.5°	1604.8	1613.2	1668.9	1682.7	1625.2	1592.2	1658.1	1793.7	1850.6	1846.4	1696.5
65°	1477.0	1498.0	1565.2	1613.2	1584.4	1576.6	1670.1	1818.9	1881.8	1881.2	1713.9
67°	1367.9	1382.3	1463.8	1525.0	1526.8	1544.8	1656.3	1819.5	1889.0	1883.6	1705.5
67.5°	1329.5	1348.7	1431.5	1505.8	1513.6	1535.8	1650.9	1818.3	1884.2	1881.2	1701.3
70°	1155.6	1177.8	1268.3	1361.9	1409.9	1457.8	1601.8	1784.7	1845.8	1839.2	1652.7
72.5°	979.3	1010.5	1096.2	1207.2	1277.3	1356.5	1516.6	1700.7	1772.7	1758.9	1558.0
75°	810.2	831.2	914.5	1034.5	1125.6	1233.0	1400.3	1587.4	1652.1	1640.8	1437.5
77.5°	645.9	665.1	745.4	866.0	969.1	1089.6	1264.1	1445.3	1495.6	1489.0	1284.5
80°	509.7	523.5	600.9	708.2	814.4	943.3	1108.8	1270.7	1303.7	1308.5	1116.0
82.5°	392.2	410.2	477.4	572.1	672.3	795.2	939.1	1082.4	1119.0	1107.0	943.3
85°	299.8	314.8	374.8	455.2	555.3	659.1	787.4	904.9	921.1	907.3	764.6
87.5°	234.5	245.9	292.6	370.6	450.4	539.1	641.7	731.6	740.0	737.6	612.3
90°	181.7	191.9	230.9	292.6	365.8	442.0	522.3	585.3	581.1	584.7	482.8
92.5°	142.7	148.1	183.5	238.1	299.2	360.4	421.6	463.6	463.0	452.8	376.6
95°	115.7	118.7	149.3	194.9	244.1	292.6	338.2	365.2	364.0	353.2	293.8
97.5°	93.6	95.4	121.7	160.1	201.5	239.3	272.3	291.4	281.9	277.7	230.3
100°	76.8	78.0	100.7	133.7	167.9	200.3	223.7	231.5	218.3	215.9	181.1
102.5°	65.4	66.0	85.2	113.3	140.3	164.9	182.3	185.9	170.3	171.5	142.7
105°	55.8	56.4	71.4	96.6	119.3	137.9	150.5	148.7	136.1	134.3	113.9
107.5°	48.6	49.2	61.2	82.8	102.5	118.1	124.7	120.5	109.1	106.7	91.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	42.6	43.2	52.8	70.8	88.2	101.3	104.9	98.3	88.2	85.8	75.6
112.5°	38.4	38.4	46.2	61.2	76.8	87.6	88.8	82.2	70.8	69.6	63.0
115°	34.8	34.8	40.8	52.8	66.6	75.0	75.0	67.2	58.2	57.6	52.8
117.5°	31.8	31.8	36.0	46.2	57.6	64.8	63.6	56.4	48.6	48.0	45.6
120°	29.4	29.4	32.4	40.2	49.8	55.2	54.0	46.8	40.8	40.2	39.0
122.5°	27.0	27.6	29.4	35.4	43.2	47.4	46.2	40.2	34.8	34.2	34.2
125°	25.2	25.2	26.4	30.6	37.2	40.8	39.0	33.0	29.4	29.4	29.4
127.5°	23.4	23.4	24.0	27.0	31.8	34.2	32.4	27.6	25.8	25.2	25.8
130°	21.6	21.6	22.2	23.4	27.0	28.2	26.4	23.4	21.6	21.6	22.2
132.5°	19.8	19.8	19.8	20.4	22.2	23.4	21.6	19.2	18.6	18.6	19.2
135°	18.0	18.6	18.0	18.0	18.6	18.6	16.8	15.6	15.6	16.2	16.8
137.5°	16.2	16.2	15.6	15.0	15.0	14.4	13.2	12.6	13.2	13.2	13.8
140°	14.4	14.4	13.8	12.6	11.4	10.8	10.2	9.6	10.8	10.8	11.4
142.5°	12.6	12.6	11.4	10.2	8.4	7.2	6.6	7.2	8.4	8.4	9.0
145°	10.2	10.2	9.6	8.4	6.0	4.8	4.2	5.4	6.0	6.0	6.6
147.5°	8.4	7.8	7.2	6.0	4.2	3.0	2.4	3.6	4.2	4.2	4.8
150°	6.0	6.0	5.4	4.2	2.4	1.2	1.2	1.8	2.4	2.4	3.0
152.5°	4.2	4.2	3.6	2.4	1.2	0.0	0.6	1.2	1.2	1.2	1.8
155°	2.4	2.4	2.4	1.8	0.6	0.0	0.0	0.6	0.6	0.6	1.2
157.5°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	1.2	0.6	0.6	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°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	181.1	179.9	178.7	176.9	175.7	174.5	173.3	172.7	172.7	172.1	172.7
5°	187.7	185.9	182.3	179.3	175.7	173.3	170.9	169.7	168.5	167.9	167.9
7.5°	199.7	197.3	191.3	185.9	180.5	176.3	173.3	170.3	169.1	168.5	168.5
10°	217.1	213.5	204.5	196.7	188.9	183.5	178.1	175.1	173.3	172.1	172.1
12.5°	241.7	235.7	224.3	211.1	200.9	193.7	187.1	184.1	183.5	183.5	183.5
15°	274.7	266.3	248.9	233.3	218.3	205.7	200.9	200.9	200.3	199.7	200.3
17.5°	308.8	299.2	277.7	257.9	239.3	226.7	218.9	217.1	216.5	215.9	216.5
20°	349.6	337.6	312.4	285.5	262.1	250.1	239.3	234.5	233.9	234.5	233.3
22.5°	395.8	382.6	345.4	313.0	287.3	270.5	257.9	251.3	252.5	252.5	251.9
25°	451.6	431.2	387.4	343.6	312.4	289.1	274.7	268.1	268.7	269.9	271.1
27.5°	507.9	484.5	428.8	375.4	334.6	307.6	290.8	283.7	283.1	286.7	286.1
30°	573.9	543.9	474.4	407.8	355.0	320.8	303.4	297.4	296.8	299.8	300.4
32.5°	644.7	607.5	521.7	440.2	373.0	332.2	312.4	308.2	307.0	310.0	310.6
35°	722.0	674.7	567.9	468.4	388.0	340.0	319.6	314.8	313.0	316.0	317.2
37.5°	797.0	741.8	615.3	493.5	400.0	344.8	322.6	319.0	316.6	318.4	319.0
40°	876.1	817.4	663.3	516.3	407.2	347.2	323.8	320.2	317.8	317.8	317.8
42.5°	963.1	886.9	702.2	532.5	411.4	346.6	322.6	318.4	315.4	313.0	313.0
45°	1052.5	961.9	742.4	545.7	412.0	343.6	319.6	316.0	311.2	306.4	305.8
47.5°	1139.4	1029.7	777.8	552.9	410.2	339.4	315.4	310.6	306.4	299.2	299.2
50°	1224.0	1097.4	807.2	556.5	404.8	334.6	311.2	306.4	301.0	291.4	290.2
52.5°	1301.3	1159.2	829.4	555.3	397.0	328.0	305.8	301.6	295.0	283.7	283.7
55°	1377.5	1216.2	843.2	547.5	387.4	320.8	301.0	296.8	289.7	277.7	276.5
57.5°	1439.9	1256.9	848.6	535.5	376.6	313.0	296.2	292.0	285.5	272.3	272.3
60°	1492.6	1291.1	845.0	519.9	364.6	305.8	290.2	287.9	281.9	269.3	269.3
62.5°	1523.2	1304.9	831.2	500.1	350.8	298.0	284.9	283.7	278.3	266.3	266.3
65°	1529.8	1295.9	803.0	475.6	337.0	289.1	278.9	278.3	274.7	263.3	262.1
67°	1511.8	1272.5	771.8	454.6	325.0	281.9	273.5	273.5	270.5	260.3	259.7
67.5°	1505.2	1263.5	763.4	449.2	322.6	280.7	272.3	272.9	269.9	259.7	257.9
70°	1447.7	1203.0	711.8	418.6	305.8	269.9	264.5	265.1	262.7	254.9	253.1
72.5°	1358.3	1116.0	651.3	389.2	289.1	259.1	253.7	256.1	253.7	247.7	244.1
75°	1237.8	1009.9	588.3	355.6	272.3	245.9	242.3	243.5	242.9	236.9	233.9
77.5°	1095.6	892.9	521.1	324.4	253.7	232.7	229.1	230.9	229.7	224.3	220.7
80°	941.5	769.4	456.4	293.2	234.5	217.7	214.1	214.7	214.1	208.7	203.9
82.5°	790.4	648.3	390.4	262.7	215.9	201.5	197.3	196.7	195.5	189.5	185.9
85°	652.5	532.5	333.4	233.3	196.7	183.5	179.9	177.5	175.7	169.1	166.7
87.5°	519.9	435.4	281.9	208.1	177.5	166.7	161.9	157.7	154.7	148.7	146.3
90°	415.0	350.8	240.5	182.3	160.1	150.5	143.9	138.5	134.9	128.3	124.7
92.5°	329.2	279.5	202.1	160.1	143.3	134.9	128.9	122.3	117.5	109.1	107.3
95°	260.9	224.9	170.3	140.3	127.1	119.9	114.5	107.3	100.7	92.4	90.6
97.5°	206.3	183.5	143.3	122.9	112.1	106.1	100.7	93.6	86.4	78.0	76.8
100°	164.9	147.5	122.9	107.3	100.1	94.2	88.8	82.2	73.2	64.8	64.8
102.5°	132.5	121.1	103.1	94.2	88.2	83.4	78.6	72.0	62.4	53.4	53.4
105°	107.3	100.1	88.8	82.2	78.0	74.4	69.6	61.8	52.2	45.0	45.0
107.5°	88.2	82.8	76.2	71.4	69.0	65.4	61.2	53.4	44.4	37.8	37.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	73.2	69.6	64.8	63.0	61.2	58.2	53.4	46.2	37.2	32.4	32.4
112.5°	61.2	59.4	55.8	55.2	54.0	51.6	46.8	39.6	31.2	28.2	28.2
115°	52.2	51.0	48.6	48.6	47.4	45.6	40.8	34.2	27.0	24.0	24.6
117.5°	44.4	43.8	42.6	42.6	42.0	40.2	35.4	29.4	22.8	21.6	21.6
120°	39.0	38.4	37.8	37.2	37.2	34.8	30.6	24.6	19.8	19.2	19.2
122.5°	33.6	33.6	33.0	33.0	32.4	30.0	26.4	21.0	17.4	16.8	16.8
125°	29.4	29.4	28.8	28.8	28.2	26.4	22.8	18.0	15.0	15.0	15.0
127.5°	25.8	25.8	25.2	25.2	24.6	22.2	19.2	15.0	13.2	13.2	13.8
130°	22.8	22.8	22.2	21.6	21.0	19.2	15.6	12.6	11.4	12.0	12.0
132.5°	19.8	19.2	19.2	18.6	17.4	15.6	13.2	10.8	10.2	10.8	10.8
135°	16.8	16.8	16.2	15.6	14.4	13.2	10.8	9.0	9.0	9.6	9.6
137.5°	14.4	14.4	13.8	12.6	12.0	10.2	8.4	7.2	7.8	8.4	8.4
140°	11.4	12.0	11.4	10.2	9.0	7.8	6.6	6.0	6.6	7.2	7.8
142.5°	9.6	9.6	9.0	7.8	6.6	5.4	4.8	4.8	6.0	6.6	6.6
145°	7.2	7.2	6.6	6.0	4.2	3.6	3.0	4.2	4.8	5.4	5.4
147.5°	4.8	4.8	4.8	3.6	2.4	1.8	1.8	3.0	4.2	4.2	4.2
150°	3.0	3.0	3.0	2.4	1.2	0.6	1.2	2.4	3.0	3.6	3.6
152.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.6	1.8	2.4	2.4	2.4
155°	1.2	1.2	1.2	0.6	0.6	0.0	0.6	1.2	1.8	1.8	1.8
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2	1.2	1.2	1.2
160°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6	0.6
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)