

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: P416082

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5063.1 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

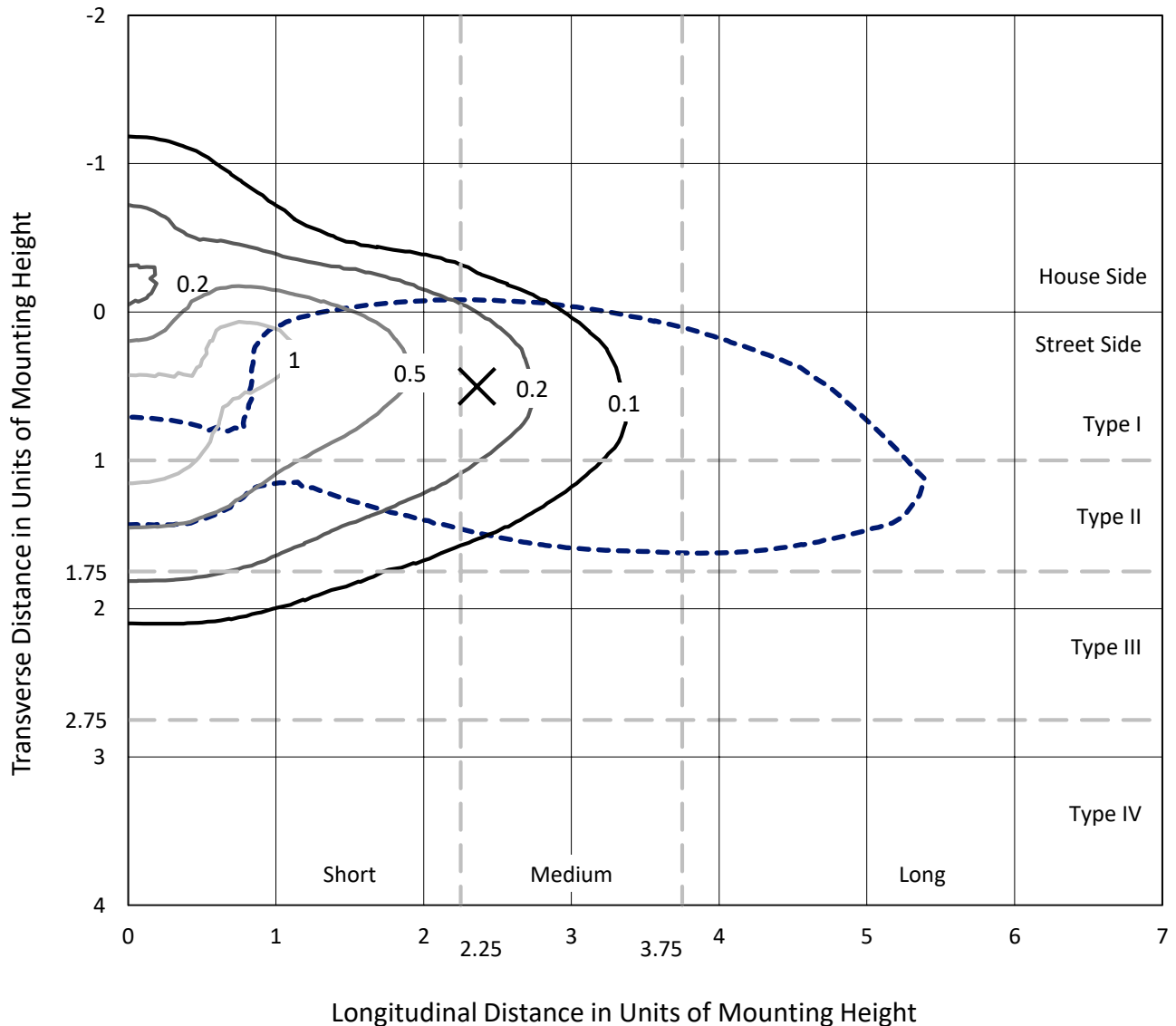
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

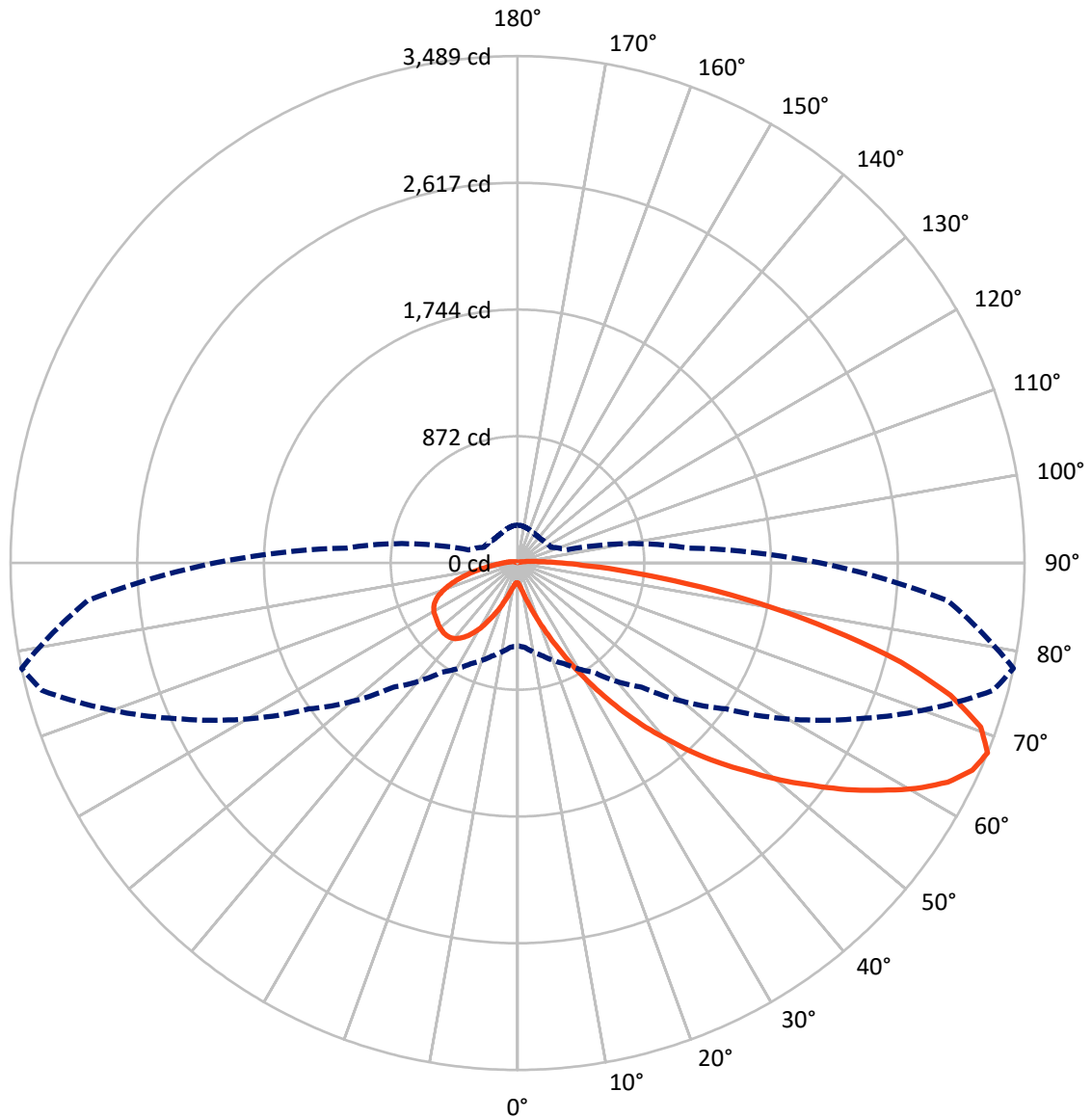


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	962.1	78.1	1040.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	3943.7	79.2	4022.9
	% Fixture	77.9	1.6	79.5
Total	Lumens	4905.7	157.3	5063.1
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.3
10°-20°	78.6	1.6
20°-30°	239.7	4.7
30°-40°	536.2	10.6
40°-50°	883.5	17.4
50°-60°	1087.4	21.5
60°-70°	1054.7	20.8
70°-80°	730.4	14.4
80°-90°	279.6	5.5
90°-100°	80.2	1.6
100°-110°	34.8	0.7
110°-120°	18.8	0.4
120°-130°	11.6	0.2
130°-140°	7.2	0.1
140°-150°	3.5	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4905.7	96.9
0°-180°	5063.1	100.0



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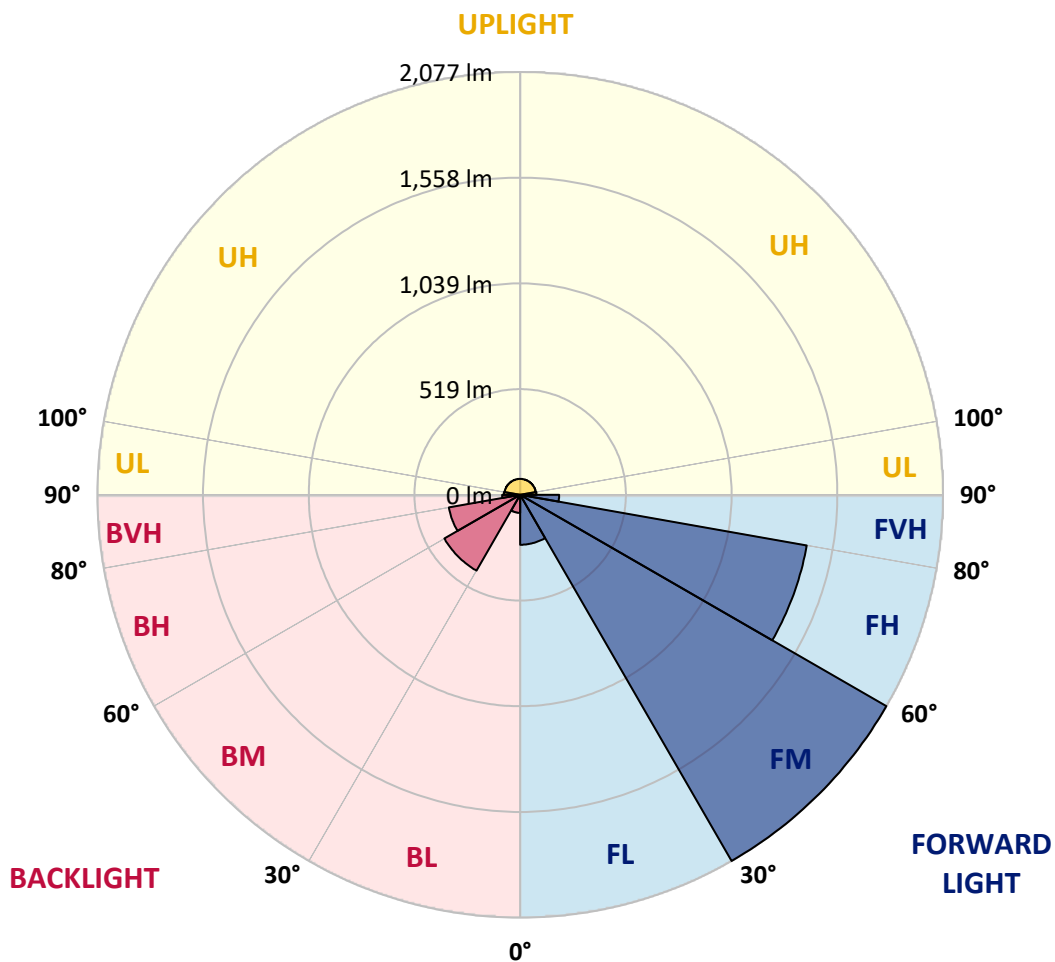
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.4	4.8			
FM (30°-60°)	2077.4	41.0			
FH (60°-80°)	1429.6	28.2			G1/1800
FVH (80°-90°)	191.4	3.8			G2/225
BL (0°-30°)	88.6	1.7	B0/110		
BM (30°-60°)	429.7	8.5	B1/1000		
BH (60°-80°)	355.5	7.0	B1/500		G1/500
BVH (80°-90°)	88.2	1.7			G1/100
UL (90°-100°)	80.2	1.6		U3/500	
UH (100°-180°)	78.1	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
2.5°	164.3	163.1	163.1	162.5	160.1	157.7	154.1	149.9	146.3	143.9	141.5
5°	199.7	195.5	196.7	193.1	188.9	184.1	177.5	168.5	160.1	158.3	151.7
7.5°	242.3	236.9	238.7	234.5	226.7	216.5	207.5	194.3	181.7	177.5	167.9
10°	296.2	290.8	287.8	281.8	272.8	259.6	245.9	228.5	211.1	205.1	193.1
12.5°	360.4	356.2	352.0	343.6	329.2	312.4	295.0	275.8	253.0	245.3	226.7
15°	440.1	436.5	427.5	416.2	395.2	376.6	350.2	332.8	304.6	295.0	272.2
17.5°	529.5	522.3	513.3	496.5	472.5	449.1	426.9	397.6	367.0	359.2	331.0
20°	639.8	637.4	620.0	591.8	565.5	533.7	512.1	483.3	449.1	438.3	401.2
22.5°	770.5	765.7	745.4	702.8	663.2	622.4	605.0	575.1	550.5	535.5	486.9
25°	927.6	918.7	885.1	834.1	777.7	729.2	700.4	689.6	670.4	647.6	588.2
27.5°	1094.9	1095.5	1049.4	973.8	895.3	837.1	814.9	819.1	795.7	783.1	710.6
30°	1301.8	1286.8	1226.3	1133.3	1027.2	952.2	939.0	960.0	953.4	928.8	843.1
32.5°	1508.7	1503.3	1428.3	1301.2	1162.1	1080.0	1070.4	1115.9	1114.1	1089.5	980.4
35°	1715.0	1709.0	1616.0	1467.9	1303.0	1208.9	1200.5	1260.4	1282.0	1257.4	1135.1
37.5°	1922.4	1908.7	1815.1	1635.2	1436.7	1327.0	1330.6	1406.2	1456.5	1434.3	1284.4
40°	2105.3	2102.9	1993.8	1789.3	1565.7	1446.9	1470.9	1570.5	1632.2	1601.6	1436.1
42.5°	2245.7	2235.5	2138.9	1917.1	1681.4	1559.1	1600.4	1732.4	1811.5	1790.5	1585.5
45°	2310.4	2304.4	2227.1	2013.6	1771.3	1656.2	1721.6	1882.3	1990.2	1967.4	1739.0
47.5°	2293.0	2287.6	2245.7	2061.0	1830.7	1739.6	1828.3	2028.0	2177.9	2147.3	1891.9
50°	2188.7	2194.1	2180.9	2047.2	1851.7	1792.9	1929.6	2173.7	2361.4	2347.0	2039.4
52.5°	1998.0	2013.6	2034.6	1975.2	1832.5	1816.9	2002.8	2300.2	2543.7	2543.1	2203.1
55°	1750.4	1761.1	1834.3	1823.5	1759.3	1816.3	2056.8	2424.9	2748.8	2751.8	2372.2
57.5°	1487.7	1482.3	1579.5	1635.8	1652.6	1770.1	2083.2	2535.3	2929.8	2950.8	2550.9
60°	1200.5	1220.3	1311.4	1426.5	1489.5	1679.0	2074.2	2613.2	3104.3	3150.5	2713.4
62.5°	975.6	966.6	1066.8	1192.1	1319.8	1548.3	2008.8	2649.8	3270.4	3322.0	2863.3
65°	737.0	755.5	846.1	957.0	1108.7	1383.4	1903.3	2630.6	3373.0	3438.9	2957.4
67.5°	568.5	582.9	660.2	764.5	919.2	1208.3	1751.0	2541.3	3388.6	3488.7	2970.6
70°	439.5	450.9	505.5	594.2	741.8	1015.2	1536.9	2371.0	3303.4	3381.4	2849.5
72.5°	350.2	355.0	393.4	465.3	585.8	828.1	1304.2	2103.5	3046.2	3115.7	2601.2
75°	275.2	282.4	313.6	367.6	457.5	662.0	1066.2	1777.3	2654.6	2726.6	2258.8
77.5°	218.9	226.1	249.5	287.2	355.0	510.3	832.9	1448.1	2167.1	2211.5	1799.5
80°	173.9	177.5	197.3	225.5	275.8	393.4	627.2	1099.1	1641.2	1687.4	1337.2
82.5°	131.9	134.9	154.7	179.3	215.3	298.0	453.3	772.9	1156.1	1168.7	907.9
85°	94.7	100.1	116.3	136.7	164.9	221.9	325.0	524.7	737.6	756.7	575.1
87.5°	67.2	69.6	85.7	104.9	125.9	164.3	226.1	345.4	453.9	448.5	349.0
90°	45.6	47.4	61.8	77.4	95.9	122.9	157.7	217.1	278.8	269.8	218.9
92.5°	30.6	33.6	45.6	58.8	75.0	94.7	112.1	142.1	172.7	164.3	139.1
95°	22.8	24.0	34.8	46.8	60.0	72.6	83.4	97.1	110.3	107.9	95.9
97.5°	18.0	19.2	28.2	38.4	48.6	58.8	64.8	69.6	76.8	76.2	69.0
100°	15.6	16.2	24.0	33.0	42.0	49.2	52.8	54.0	56.4	55.2	52.8
102.5°	13.2	14.4	21.0	28.8	36.6	42.0	44.4	43.2	42.6	41.4	39.0
105°	12.0	12.6	18.6	25.8	32.4	36.6	37.2	35.4	32.4	31.8	30.6
107.5°	11.4	12.0	16.8	23.4	28.8	32.4	31.8	29.4	25.8	24.6	24.0
110°	10.8	11.4	15.6	21.0	26.4	28.8	28.2	24.6	20.4	19.2	19.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	10.8	10.8	14.4	19.2	24.0	25.8	24.6	21.0	16.8	16.2	16.8
115°	10.2	10.8	13.8	18.0	21.6	23.4	21.6	18.0	14.4	13.8	14.4
117.5°	10.2	10.8	13.2	16.8	20.4	21.0	19.2	15.6	12.0	12.0	13.2
120°	10.2	10.8	12.6	15.6	18.6	19.2	17.4	13.8	10.8	10.8	12.0
122.5°	10.8	10.8	12.0	15.0	17.4	18.0	15.6	12.0	10.2	10.2	11.4
125°	10.8	10.8	12.0	13.8	16.2	16.2	14.4	10.8	9.0	9.0	10.8
127.5°	10.8	10.8	12.0	13.2	15.0	15.0	13.2	10.2	8.4	8.4	10.2
130°	10.8	11.4	11.4	12.6	13.8	13.8	12.0	9.0	8.4	8.4	9.6
132.5°	11.4	11.4	11.4	12.0	13.2	12.6	10.2	8.4	7.8	7.8	9.0
135°	10.8	10.8	10.8	11.4	12.0	11.4	9.0	7.2	7.2	7.8	8.4
137.5°	10.8	10.8	10.8	10.2	10.8	10.2	8.4	6.6	6.6	7.2	7.8
140°	9.6	10.2	9.6	9.6	9.6	9.0	7.2	5.4	6.0	6.6	6.6
142.5°	9.0	9.0	9.0	8.4	8.4	7.8	6.0	4.8	5.4	5.4	6.0
145°	8.4	8.4	7.8	7.2	7.2	6.0	4.8	4.2	4.8	4.8	5.4
147.5°	7.2	7.2	7.2	6.0	5.4	4.8	3.0	3.0	3.6	4.2	4.2
150°	6.0	6.0	6.0	5.4	4.2	3.6	2.4	3.0	3.0	3.0	3.6
152.5°	4.8	4.8	4.8	4.2	3.6	2.4	1.8	2.4	2.4	2.4	3.0
155°	3.0	3.0	3.0	3.0	2.4	1.2	1.8	1.8	2.4	2.4	2.4
157.5°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
160°	0.6	0.6	1.2	1.2	1.8	1.2	1.2	1.2	1.2	1.2	1.2
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°	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9	137.9
2.5°	139.7	137.9	134.9	131.9	128.9	125.9	123.5	122.9	121.1	121.1	120.5
5°	148.1	145.1	137.3	131.3	124.7	119.3	115.1	113.3	111.5	110.3	110.3
7.5°	163.1	156.5	145.1	134.9	125.9	118.1	112.7	109.7	107.3	106.1	106.1
10°	183.5	175.1	157.7	142.7	129.5	119.9	113.9	110.3	108.5	107.3	106.7
12.5°	213.5	201.5	176.3	154.7	137.9	125.9	118.1	115.7	116.3	116.3	116.3
15°	254.2	236.9	202.7	173.3	149.3	133.7	128.3	128.3	130.1	130.7	129.5
17.5°	307.0	283.6	235.7	191.9	163.7	147.5	141.5	141.5	144.5	146.3	146.3
20°	371.8	338.2	270.4	216.5	180.5	163.1	155.9	156.5	160.1	162.5	162.5
22.5°	446.1	406.6	314.8	241.7	199.1	176.9	169.1	169.7	175.7	178.7	179.9
25°	542.7	481.5	359.2	267.4	216.5	190.1	182.3	182.9	190.7	194.9	194.9
27.5°	644.6	564.9	404.2	292.6	231.5	202.1	194.3	196.1	204.5	208.1	209.3
30°	753.1	653.6	449.1	314.2	243.5	211.1	203.3	206.9	214.7	220.1	220.7
32.5°	873.7	740.6	485.1	331.6	253.6	218.9	211.1	216.5	223.1	229.1	229.7
35°	999.6	826.9	516.9	343.6	260.2	225.5	217.1	222.5	229.1	234.5	233.9
37.5°	1112.3	897.7	537.9	348.4	263.8	229.1	221.3	226.7	232.7	236.9	236.9
40°	1223.3	971.4	548.1	344.8	263.8	230.9	223.1	229.1	234.5	236.9	236.9
42.5°	1328.8	1026.0	546.3	337.6	262.6	231.5	224.3	229.7	234.5	235.7	235.7
45°	1420.0	1076.4	535.5	325.6	258.4	230.9	224.9	229.7	233.3	233.3	233.9
47.5°	1527.9	1115.9	519.9	313.0	253.6	229.7	223.7	229.1	232.1	232.1	231.5
50°	1625.0	1154.3	498.9	299.2	249.5	228.5	223.1	228.5	232.1	230.9	230.9
52.5°	1728.2	1188.5	477.3	286.6	245.3	227.9	223.1	228.5	232.1	231.5	232.1
55°	1823.5	1222.7	450.3	275.2	242.9	227.3	223.7	229.1	233.9	233.9	233.3
57.5°	1945.8	1240.7	429.3	267.4	240.5	227.3	224.3	230.3	236.3	236.9	237.5
60°	2032.2	1264.0	412.0	262.6	240.5	228.5	226.1	232.1	239.9	242.9	244.7
62.5°	2095.1	1262.8	391.0	260.2	241.1	229.7	227.9	233.9	244.1	248.3	250.7
65°	2128.1	1241.3	369.4	258.4	241.7	230.9	229.1	235.1	247.1	254.8	257.2
67.5°	2085.0	1183.1	347.2	255.4	241.1	230.3	229.7	236.3	248.9	259.0	260.2
70°	1980.0	1084.8	320.8	248.9	238.7	228.5	227.9	233.3	247.1	259.0	260.2
72.5°	1780.9	960.0	290.2	239.3	233.3	224.3	222.5	227.9	241.1	253.0	253.0
75°	1514.7	815.5	260.2	225.5	222.5	217.1	215.3	218.3	229.7	241.1	241.7
77.5°	1186.1	649.4	228.5	206.3	209.3	205.1	203.3	205.1	215.3	223.1	223.7
80°	902.5	494.7	197.9	183.5	190.7	189.5	187.7	187.1	194.3	200.3	198.5
82.5°	622.4	352.0	163.7	159.5	167.3	169.1	168.5	164.3	169.7	174.5	171.5
85°	401.8	248.9	136.7	134.9	142.1	145.1	144.5	141.5	142.7	148.1	142.1
87.5°	259.6	178.7	112.7	111.5	117.5	121.1	121.1	115.1	117.5	122.9	116.3
90°	162.5	126.5	94.1	93.5	97.7	99.5	97.1	93.5	94.7	97.7	95.3
92.5°	115.1	95.3	78.6	78.6	79.8	81.0	79.8	75.6	78.0	78.0	78.0
95°	83.9	75.6	68.4	67.2	66.6	66.0	65.4	62.4	64.8	64.2	62.4
97.5°	64.2	60.6	58.2	57.6	56.4	55.8	55.2	52.8	54.6	53.4	52.2
100°	50.4	49.8	49.8	49.8	48.6	46.8	46.8	46.2	46.2	44.4	44.4
102.5°	40.2	40.2	42.6	43.2	42.0	40.8	40.8	40.2	39.6	37.2	36.6
105°	31.8	33.0	36.6	37.2	36.6	35.4	34.8	34.8	33.6	30.6	30.6
107.5°	25.8	27.0	31.2	32.4	31.8	31.2	30.6	30.0	28.8	25.8	25.8
110°	21.0	22.8	26.4	28.2	27.6	27.0	27.0	25.8	24.6	22.2	22.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	19.8	22.8	24.6	24.6	24.0	23.4	22.8	21.0	19.2	19.2
115°	15.6	17.4	20.4	21.6	21.6	21.0	20.4	19.8	18.0	16.8	17.4
117.5°	14.4	15.6	18.0	19.2	19.2	18.6	18.0	17.4	16.2	15.6	15.6
120°	13.2	14.4	16.2	17.4	17.4	16.8	16.2	15.6	14.4	14.4	14.4
122.5°	12.0	13.2	15.0	15.6	15.6	15.0	14.4	13.8	12.6	13.2	13.2
125°	11.4	12.0	13.2	14.4	14.4	13.8	13.2	12.0	11.4	12.0	12.0
127.5°	10.8	11.4	12.6	13.2	13.2	12.6	11.4	10.8	10.2	10.8	10.8
130°	10.2	10.8	11.4	12.0	12.0	10.8	10.2	9.6	9.6	10.2	10.2
132.5°	9.6	10.2	10.2	10.8	10.8	10.2	9.0	8.4	8.4	9.0	9.0
135°	9.0	9.0	9.6	9.6	9.6	9.0	7.8	7.2	7.8	8.4	8.4
137.5°	7.8	8.4	8.4	9.0	8.4	7.8	6.6	6.6	7.2	7.2	7.2
140°	7.2	7.2	7.8	7.8	7.2	6.6	6.0	5.4	6.0	6.6	6.6
142.5°	6.6	6.6	6.6	6.6	6.6	5.4	4.8	4.8	5.4	5.4	5.4
145°	5.4	5.4	6.0	5.4	5.4	4.2	3.6	4.2	4.8	4.8	4.8
147.5°	4.2	4.8	4.8	4.8	4.2	3.0	2.4	3.6	4.2	4.2	4.2
150°	3.6	3.6	3.6	3.6	3.6	2.4	1.8	3.0	3.6	3.6	3.6
152.5°	3.0	3.0	3.6	3.6	3.0	1.8	1.2	2.4	3.0	3.0	2.4
155°	2.4	2.4	3.0	3.0	2.4	1.2	1.2	1.8	2.4	2.4	1.8
157.5°	1.8	2.4	2.4	2.4	1.8	1.2	0.6	1.2	1.8	1.8	1.8
160°	1.8	1.8	1.8	2.4	1.8	1.2	0.6	1.2	1.8	1.2	1.2
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)