

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: P415877

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6442 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

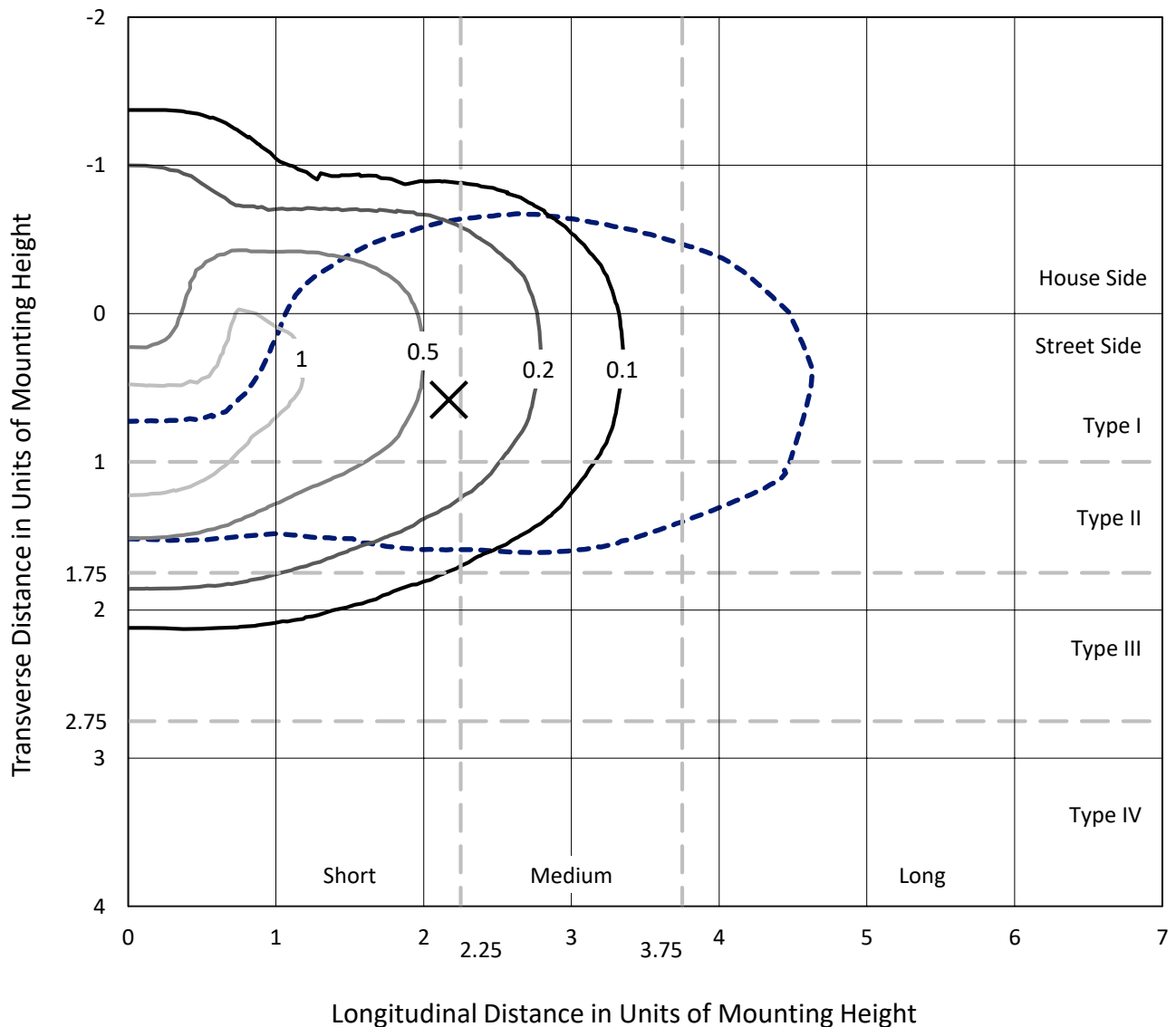
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

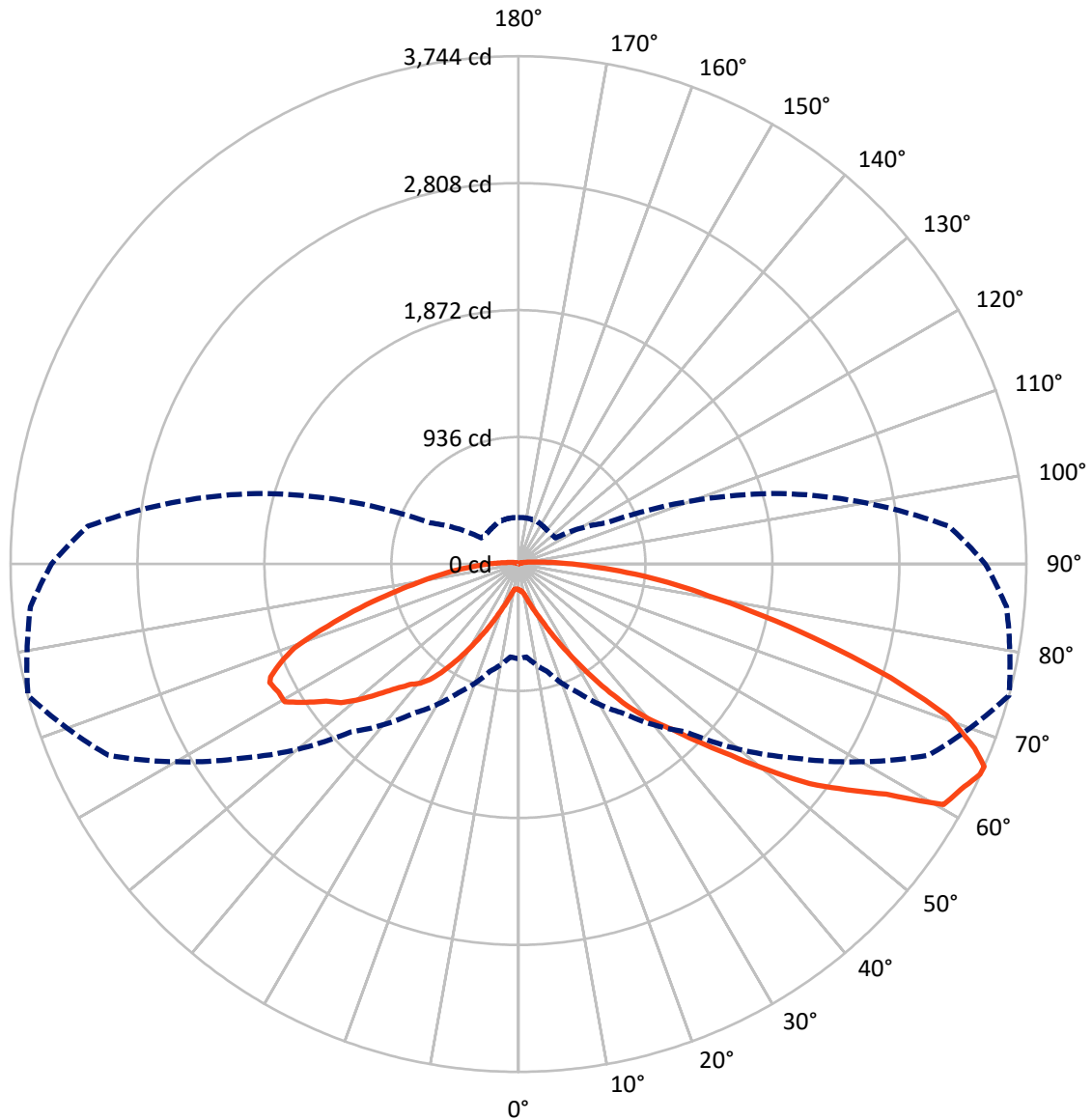
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1829.7	89.3	1919.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4434.7	88.3	4523.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	6264.3	177.6	6442.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	0.3
10°-20°	80.9	1.3
20°-30°	245.5	3.8
30°-40°	607.3	9.4
40°-50°	1096.6	17.0
50°-60°	1481.7	23.0
60°-70°	1487.4	23.1
70°-80°	898.4	13.9
80°-90°	347.3	5.4
90°-100°	103.1	1.6
100°-110°	37.2	0.6
110°-120°	18.0	0.3
120°-130°	10.6	0.2
130°-140°	6.3	0.1
140°-150°	2.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6264.3	97.2
0°-180°	6442.0	100.0



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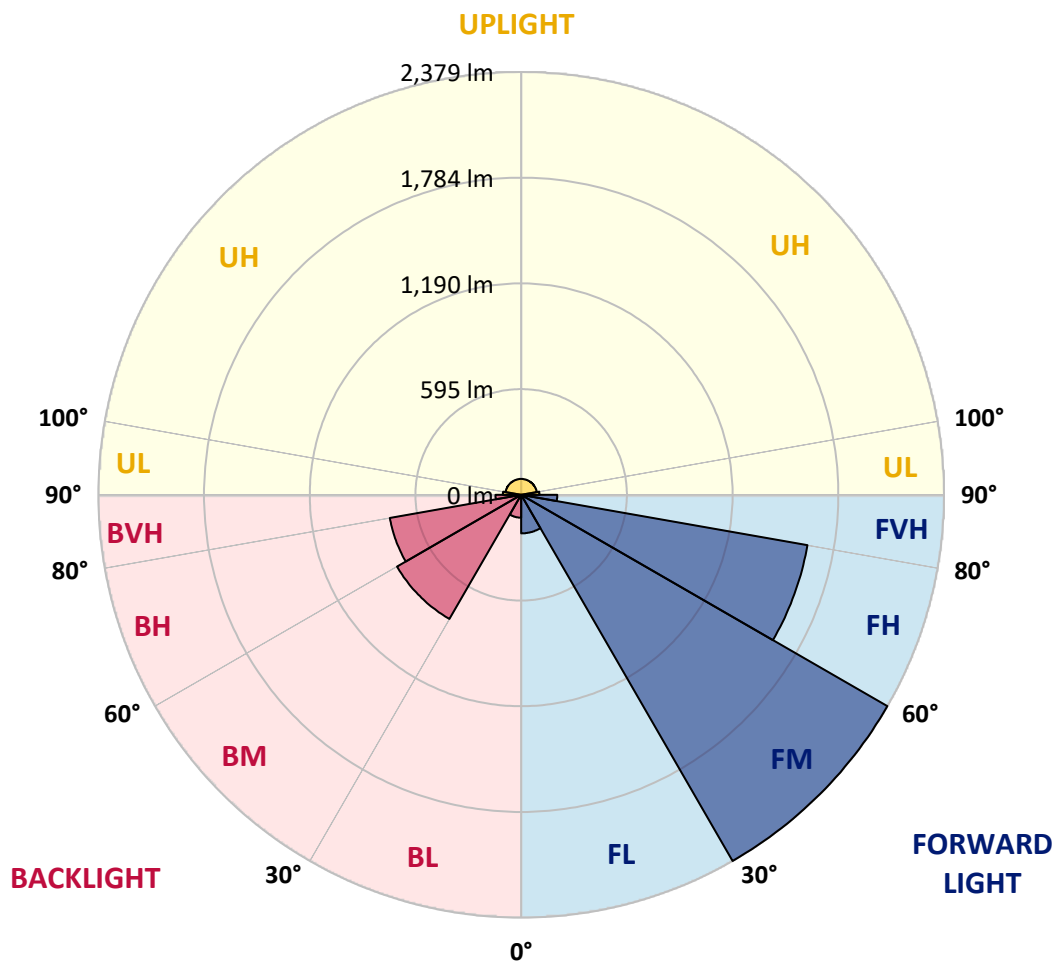
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.0	3.4			
FM (30°-60°)	2379.1	36.9			
FH (60°-80°)	1635.7	25.4			G1/1800
FVH (80°-90°)	202.8	3.1			G2/225
BL (0°-30°)	128.6	2.0	B1/500		
BM (30°-60°)	806.5	12.5	B1/1000		
BH (60°-80°)	750.1	11.6	B2/1000		G2/1000
BVH (80°-90°)	144.5	2.2			G2/225
UL (90°-100°)	103.1	1.6		U3/500	
UH (100°-180°)	89.3	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2
2.5°	209.5	208.0	206.5	205.0	203.6	202.1	199.1	195.4	192.4	192.4	189.4
5°	228.8	227.3	225.1	222.1	219.2	216.2	210.2	204.3	198.4	198.4	193.2
7.5°	252.6	251.8	248.9	245.2	238.5	231.8	224.4	215.4	207.3	206.5	199.8
10°	283.0	281.6	277.1	271.9	264.5	255.6	245.2	234.0	222.1	221.4	213.2
12.5°	325.4	322.4	315.0	306.8	292.7	283.8	271.9	261.5	252.6	250.4	239.2
15°	380.4	376.7	368.5	354.4	335.8	319.4	312.8	301.6	292.0	289.0	278.6
17.5°	450.9	447.2	433.1	410.8	391.5	375.2	360.3	349.2	341.0	340.3	325.4
20°	547.5	538.6	515.6	484.4	459.1	439.1	418.3	405.6	397.5	394.5	385.6
22.5°	666.4	664.2	631.5	590.6	549.0	512.6	489.6	475.5	469.5	470.3	465.1
25°	817.9	811.3	780.0	720.6	658.2	612.2	580.2	571.3	570.6	565.4	563.1
27.5°	979.9	971.0	930.1	872.9	790.5	728.0	692.4	682.7	685.0	679.0	683.5
30°	1178.2	1173.8	1114.4	1031.2	942.0	860.3	823.1	815.0	820.2	827.6	823.1
32.5°	1423.4	1430.1	1349.1	1236.9	1112.1	1017.8	976.9	973.9	981.4	979.9	977.7
35°	1722.1	1733.9	1621.8	1485.8	1314.2	1202.0	1150.8	1147.0	1161.9	1160.4	1161.9
37.5°	2041.5	2046.7	1955.3	1739.9	1540.0	1384.8	1342.4	1338.0	1352.1	1343.9	1335.7
40°	2293.3	2317.9	2210.9	2025.9	1765.1	1606.9	1555.6	1531.1	1518.5	1509.6	1450.1
42.5°	2531.8	2517.0	2441.2	2235.4	1996.2	1823.8	1755.5	1709.4	1668.6	1662.6	1597.2
45°	2687.8	2669.3	2597.2	2407.0	2182.7	2040.0	1976.9	1921.2	1875.1	1854.3	1775.5
47.5°	2696.7	2687.8	2670.7	2528.1	2332.0	2207.9	2187.1	2157.4	2106.9	2107.6	2006.6
50°	2560.8	2546.7	2596.5	2542.2	2406.3	2340.9	2419.6	2452.3	2387.7	2381.0	2276.3
52.5°	2320.1	2312.7	2403.3	2456.8	2408.5	2433.8	2621.0	2739.8	2689.3	2662.6	2527.4
55°	2076.4	2085.3	2164.1	2250.3	2329.7	2460.5	2799.3	3036.3	2936.7	2918.9	2750.2
57.5°	1744.3	1774.1	1891.4	2026.6	2151.5	2423.4	2892.9	3224.2	3198.9	3192.3	3048.1
60°	1380.3	1377.3	1551.2	1748.1	1953.1	2300.8	2898.1	3460.4	3600.9	3568.9	3365.4
62.5°	1072.0	1079.4	1204.2	1450.9	1725.8	2114.3	2826.8	3565.9	3659.5	3623.1	3445.6
65°	776.3	788.2	940.5	1139.6	1450.1	1862.5	2623.9	3422.6	3739.0	3716.8	3616.5
66°	697.6	687.2	820.9	1046.8	1341.7	1751.0	2496.2	3335.6	3743.5	3730.9	3611.3
67.5°	560.9	574.3	677.5	874.4	1167.1	1573.5	2265.1	3196.7	3627.6	3610.5	3530.3
70°	415.3	427.9	498.5	656.0	885.5	1254.8	1872.9	2761.4	3354.2	3366.8	3357.9
72.5°	307.6	320.9	369.2	482.9	655.2	933.1	1484.3	2327.5	2868.4	2898.1	2877.3
75°	239.2	244.4	284.5	364.0	479.2	657.5	1098.0	1803.8	2334.9	2389.9	2409.2
77.5°	192.4	196.9	229.6	280.8	358.8	479.9	769.6	1344.7	1848.3	1887.0	1923.4
80°	155.3	158.2	185.0	225.8	274.9	343.2	519.3	976.9	1418.2	1440.5	1494.0
82.5°	124.8	127.0	146.4	181.3	219.9	260.8	369.2	682.0	1113.6	1134.4	1202.0
85°	98.1	99.5	116.6	144.1	176.8	206.5	266.7	482.1	802.3	821.7	903.4
87.5°	77.3	78.7	92.1	112.2	142.6	163.4	196.9	324.6	541.6	569.1	661.9
90°	60.9	61.7	71.3	86.9	110.7	133.0	154.5	226.6	361.1	376.7	428.7
92.5°	46.1	46.8	54.2	66.1	86.2	105.5	118.1	156.8	231.0	237.7	274.9
95°	34.2	34.9	40.9	48.3	64.6	82.5	91.4	109.9	145.6	154.5	164.2
97.5°	26.7	27.5	31.2	35.7	47.5	64.6	72.8	81.0	99.5	102.5	109.9
100°	23.0	23.0	25.3	28.2	35.7	50.5	57.2	63.9	75.0	75.0	79.5
102.5°	19.3	19.3	20.8	22.3	29.0	40.1	46.1	50.5	56.5	57.2	60.9
105°	17.1	17.1	17.8	19.3	24.5	32.7	37.9	40.1	43.8	43.8	45.3
107.5°	14.9	14.9	15.6	16.3	21.5	27.5	30.5	31.2	32.7	32.7	34.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	14.1	14.1	14.1	14.9	18.6	23.8	25.3	24.5	25.3	25.3	27.5
112.5°	13.4	12.6	12.6	13.4	17.1	20.8	20.8	20.1	20.1	20.1	22.3
115°	12.6	12.6	11.9	12.6	15.6	17.8	17.8	16.3	16.3	16.3	18.6
117.5°	12.6	12.6	11.9	11.9	14.1	16.3	15.6	14.1	13.4	14.1	16.3
120°	12.6	12.6	11.1	11.1	13.4	14.1	14.1	11.9	11.9	11.9	14.1
122.5°	12.6	12.6	11.1	11.1	12.6	13.4	12.6	10.4	10.4	10.4	12.6
125°	13.4	12.6	11.1	11.1	11.9	11.9	11.1	9.7	8.9	8.9	11.1
127.5°	13.4	13.4	11.9	11.1	11.1	11.1	10.4	8.9	8.2	8.2	10.4
130°	14.9	14.1	12.6	11.1	10.4	9.7	8.9	8.2	8.2	8.2	9.7
132.5°	14.9	14.9	12.6	10.4	9.7	8.9	8.2	6.7	7.4	7.4	8.9
135°	14.1	13.4	11.1	9.7	8.9	7.4	6.7	5.9	6.7	6.7	8.2
137.5°	12.6	11.9	10.4	8.2	7.4	5.9	5.2	4.5	5.2	5.2	6.7
140°	10.4	10.4	8.2	6.7	5.9	5.2	4.5	3.0	3.7	4.5	5.2
142.5°	8.9	8.2	6.7	5.2	4.5	3.7	3.0	2.2	3.0	3.0	3.7
145°	7.4	6.7	5.2	3.7	3.0	2.2	1.5	1.5	1.5	1.5	2.2
147.5°	5.9	5.2	3.7	2.2	1.5	1.5	0.7	0.7	1.5	1.5	1.5
150°	4.5	4.5	3.0	1.5	0.7	0.7	0.0	0.7	0.7	0.7	0.7
152.5°	3.7	3.7	2.2	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	2.2	2.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	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°	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2
2.5°	188.7	187.2	185.7	184.2	182.8	182.0	179.8	178.3	178.3	178.3	177.6
5°	190.9	188.0	184.2	181.3	177.6	174.6	172.4	170.1	168.6	168.6	168.6
7.5°	196.1	193.2	186.5	180.5	175.3	170.9	167.9	165.7	164.9	164.2	164.2
10°	208.0	202.8	193.9	185.0	177.6	171.6	168.6	167.2	166.4	166.4	166.4
12.5°	234.8	227.3	214.0	199.1	186.5	177.6	174.6	174.6	179.0	181.3	181.3
15°	270.4	263.7	248.1	227.3	207.3	192.4	190.2	195.4	201.3	204.3	203.6
17.5°	319.4	310.5	289.7	262.2	235.5	220.6	214.0	219.2	226.6	230.3	230.3
20°	377.4	368.5	340.3	303.1	270.4	254.1	243.7	243.7	253.3	256.3	257.8
22.5°	456.9	443.5	403.4	352.1	309.8	284.5	271.9	269.7	280.8	286.0	284.5
25°	546.0	535.6	488.8	412.3	357.3	316.5	299.4	299.4	313.5	325.4	326.1
27.5°	670.8	644.8	579.5	485.9	403.4	346.2	327.6	331.3	346.2	358.1	358.1
30°	801.6	783.0	687.2	563.9	448.0	373.7	346.9	352.9	366.3	379.6	379.6
32.5°	959.8	928.6	810.5	641.1	488.8	391.5	357.3	365.5	381.1	394.5	394.5
35°	1114.4	1089.1	934.6	722.1	524.5	398.9	361.8	371.5	389.3	405.6	407.1
37.5°	1294.1	1239.2	1055.7	794.9	550.5	400.4	360.3	377.4	401.2	419.7	420.5
40°	1401.9	1335.7	1137.4	849.1	562.4	395.2	360.3	381.9	401.9	408.6	407.9
42.5°	1529.6	1446.4	1194.6	855.8	547.5	384.8	359.6	376.7	385.6	385.6	384.8
45°	1701.3	1607.6	1285.2	859.5	517.1	372.2	353.6	364.8	362.5	355.9	353.6
47.5°	1911.5	1797.8	1400.4	872.9	487.3	359.6	346.9	349.9	339.5	324.6	323.9
50°	2162.6	2028.9	1535.6	887.0	461.3	349.2	341.0	338.0	327.6	315.0	313.5
52.5°	2398.1	2236.9	1658.2	896.7	439.8	342.5	336.5	335.8	325.4	309.0	307.6
55°	2611.3	2418.2	1740.6	878.1	420.5	339.5	336.5	337.3	323.9	307.6	305.3
57.5°	2919.6	2707.9	1871.4	850.6	397.5	338.8	338.8	339.5	323.2	307.6	305.3
60°	3187.8	2952.3	1999.9	848.4	375.2	338.0	339.5	338.8	326.9	317.2	315.0
62.5°	3279.9	3055.6	2005.8	794.9	361.1	334.3	336.5	340.3	338.0	333.6	331.3
65°	3453.8	3208.6	2031.1	734.7	341.0	327.6	332.8	342.5	344.0	341.0	338.8
66°	3441.1	3187.1	2006.6	716.2	334.3	323.9	330.6	341.0	344.0	343.2	341.7
67.5°	3378.7	3131.3	1925.6	663.4	324.6	317.2	326.9	337.3	344.0	346.2	344.7
70°	3210.1	2963.4	1764.4	583.9	306.1	301.6	315.0	328.4	339.5	343.2	342.5
72.5°	2735.4	2500.6	1476.2	498.5	280.1	279.3	294.9	311.3	324.6	328.4	326.9
75°	2296.3	2065.3	1212.4	410.8	253.3	254.1	268.9	284.5	294.9	294.9	295.7
77.5°	1840.9	1645.5	960.6	341.0	225.8	225.8	236.2	248.9	255.6	252.6	248.1
80°	1416.0	1286.7	750.3	285.3	198.4	196.9	202.1	211.7	216.9	210.2	205.0
82.5°	1143.3	1031.9	593.6	237.7	171.6	170.1	172.4	179.0	182.0	174.6	172.4
85°	867.7	767.4	446.5	195.4	148.6	144.9	148.6	150.1	153.8	147.1	142.6
87.5°	613.6	543.8	323.9	162.7	127.0	124.8	124.1	125.6	127.8	123.3	121.1
90°	412.3	361.8	234.0	136.0	108.5	104.7	103.3	103.3	104.7	97.3	95.1
92.5°	264.5	234.0	162.7	108.5	90.6	86.2	83.2	83.9	83.2	75.8	74.3
95°	164.9	149.3	117.4	85.4	72.8	69.1	66.1	65.4	64.6	59.4	57.9
97.5°	107.7	102.5	87.7	67.6	57.9	55.0	53.5	52.7	52.7	49.0	46.8
100°	80.2	78.0	69.1	56.5	47.5	45.3	43.8	43.8	45.3	42.3	40.9
102.5°	62.4	63.1	56.5	47.5	40.1	38.6	37.1	37.1	38.6	37.1	36.4
105°	47.5	47.5	46.1	39.4	34.2	33.4	31.9	31.9	33.4	33.4	33.4
107.5°	37.1	38.6	37.1	32.7	29.7	29.0	27.5	27.5	29.0	29.7	30.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.7	31.2	30.5	28.2	26.0	25.3	23.8	23.0	24.5	26.7	26.7
112.5°	23.8	25.3	25.3	23.8	22.3	22.3	20.8	20.1	21.5	23.8	23.8
115°	20.1	21.5	21.5	20.8	20.1	19.3	17.8	17.1	18.6	20.8	21.5
117.5°	17.1	18.6	18.6	18.6	17.8	17.1	15.6	14.9	15.6	17.8	18.6
120°	15.6	16.3	16.3	16.3	15.6	15.6	14.1	13.4	14.1	16.3	16.3
122.5°	13.4	14.1	14.9	14.9	14.1	14.1	12.6	11.1	11.9	14.1	14.9
125°	11.9	12.6	13.4	13.4	12.6	12.6	11.1	10.4	11.1	12.6	13.4
127.5°	11.1	11.9	11.9	11.9	11.9	11.1	9.7	8.9	9.7	11.9	11.9
130°	10.4	11.1	11.1	11.1	10.4	9.7	8.9	8.2	8.9	11.1	11.1
132.5°	9.7	10.4	10.4	9.7	9.7	8.9	7.4	6.7	8.2	9.7	9.7
135°	8.2	8.9	8.9	8.9	8.2	7.4	6.7	5.9	7.4	8.2	8.2
137.5°	6.7	7.4	7.4	7.4	6.7	5.9	5.2	5.2	5.9	7.4	7.4
140°	5.2	5.9	5.9	5.9	5.2	5.2	4.5	3.7	5.2	5.9	5.9
142.5°	3.7	4.5	4.5	4.5	3.7	3.7	3.0	3.0	4.5	5.2	5.2
145°	2.2	3.0	3.0	3.0	3.0	2.2	2.2	2.2	3.0	3.7	3.7
147.5°	1.5	2.2	2.2	2.2	2.2	1.5	0.7	1.5	2.2	3.0	3.0
150°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.7	1.5	2.2	2.2
152.5°	0.7	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.0
157.5°	0.0	0.0	0.0	0.7	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)