

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: P415427

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5131 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 54
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

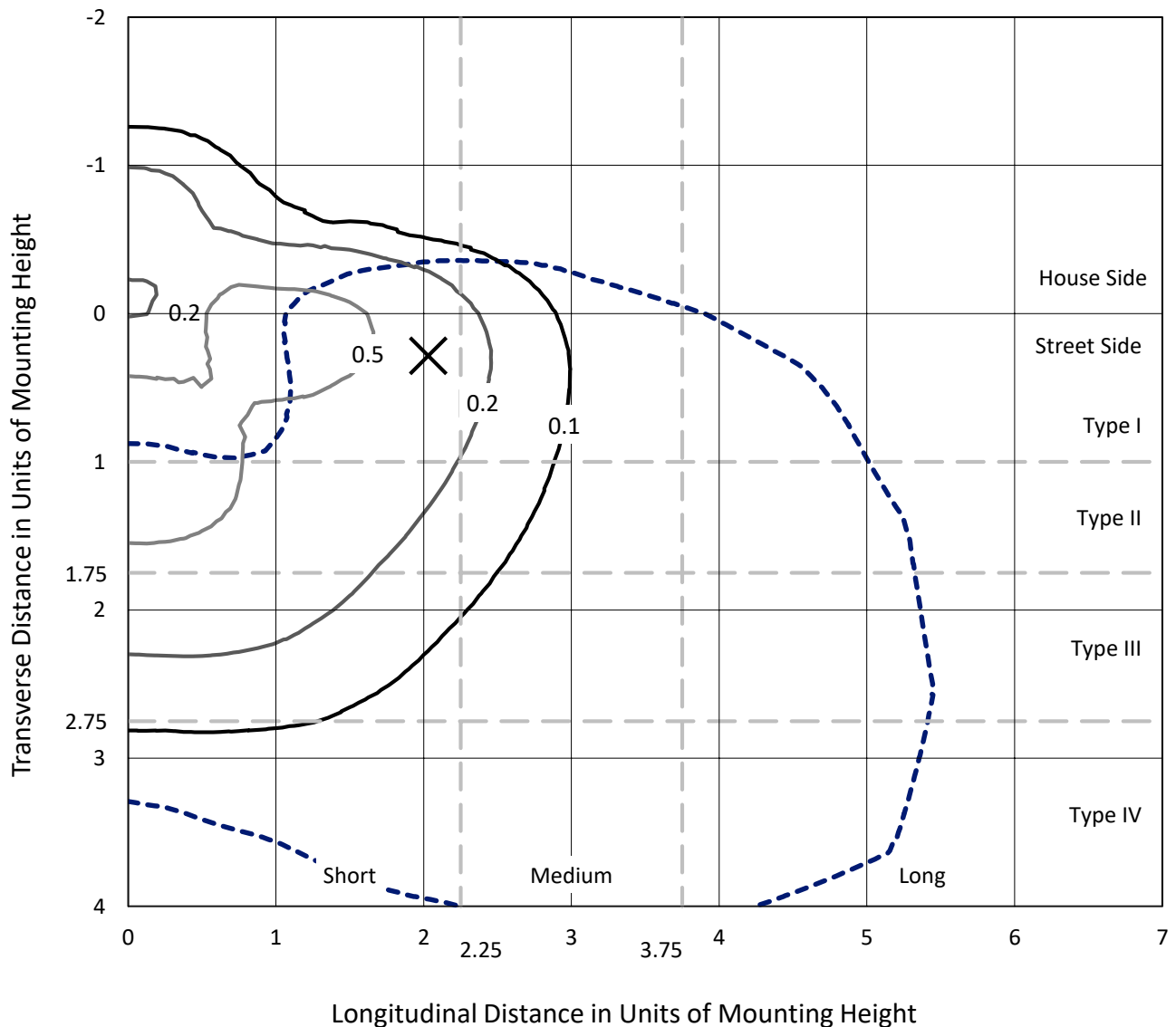


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

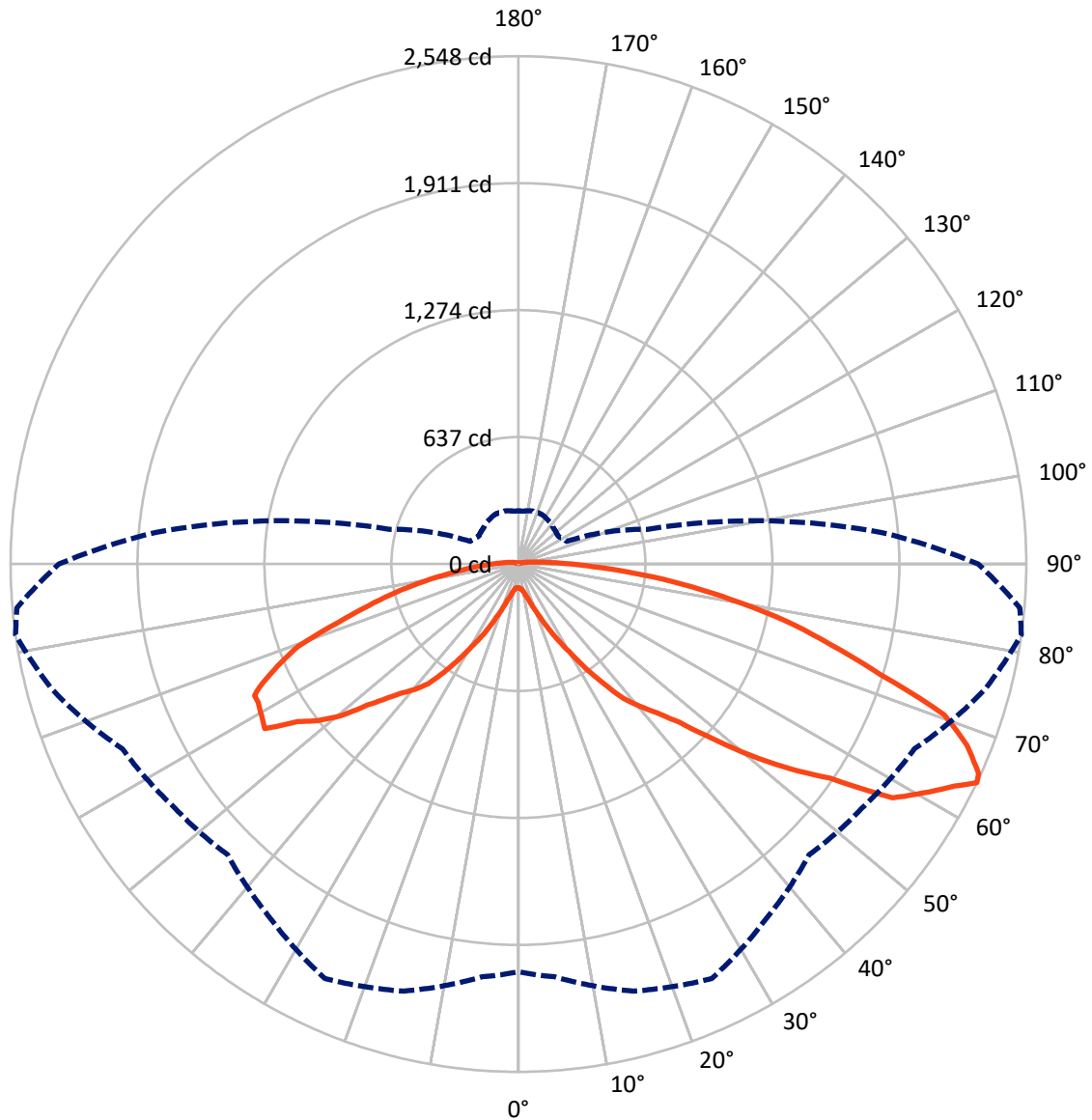


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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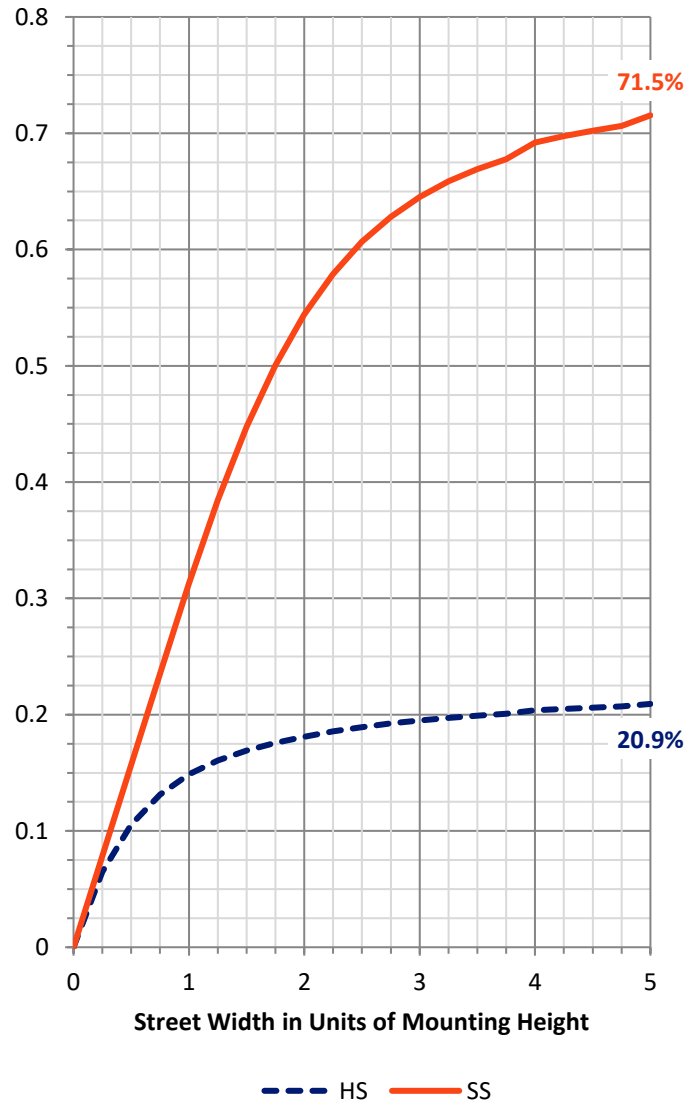
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1128.0	84.5	1212.5
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3807.8	110.7	3918.5
	% Fixture	74.2	2.2	76.4
Total	Lumens	4935.8	195.2	5131.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.2
10°-20°	52.8	1.0
20°-30°	152.1	3.0
30°-40°	349.2	6.8
40°-50°	613.2	12.0
50°-60°	985.0	19.2
60°-70°	1322.3	25.8
70°-80°	1011.0	19.7
80°-90°	437.9	8.5
90°-100°	123.0	2.4
100°-110°	37.3	0.7
110°-120°	16.4	0.3
120°-130°	9.4	0.2
130°-140°	5.7	0.1
140°-150°	2.5	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4935.8	96.2
0°-180°	5131.0	100.0



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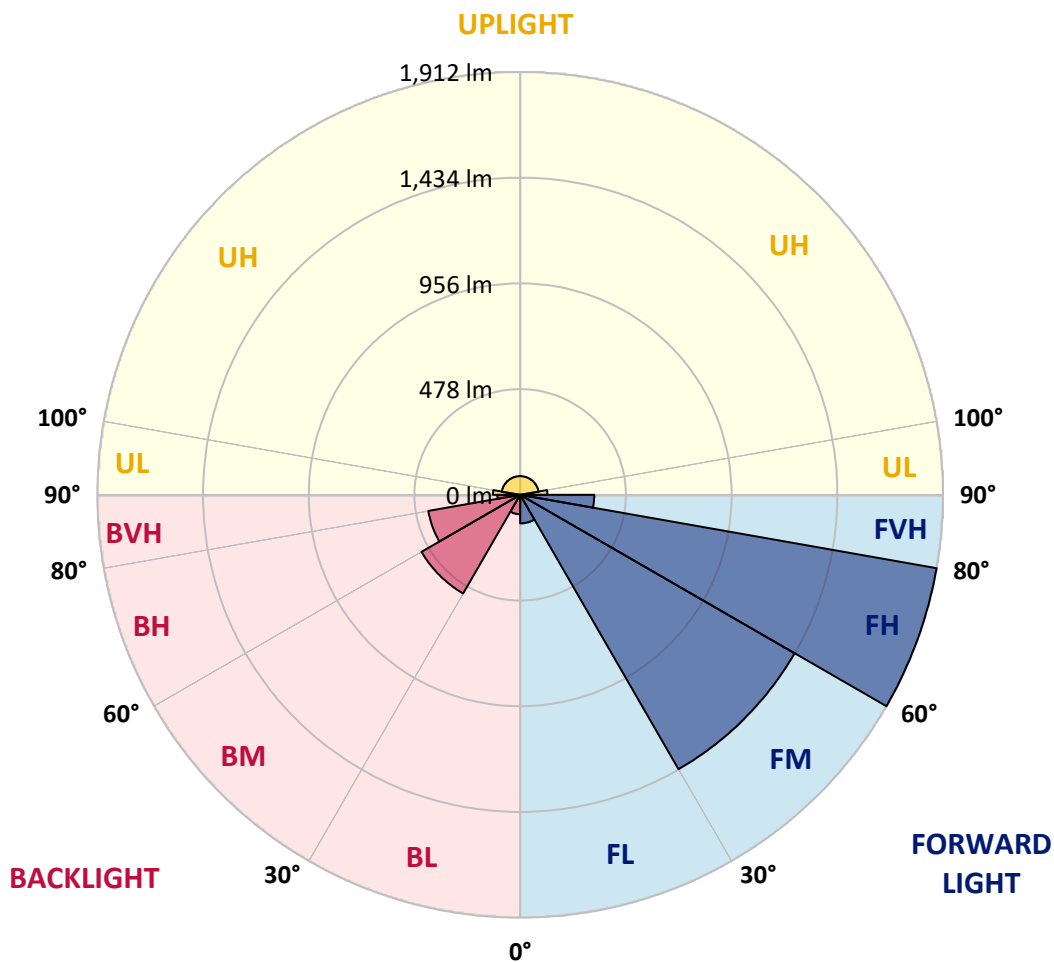
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.2	2.5			
FM	(30°-60°)	1432.3	27.9			
FH	(60°-80°)	1911.6	37.3			G2/5000
FVH	(80°-90°)	334.7	6.5			G3/500
BL	(0°-30°)	88.0	1.7	B0/110		
BM	(30°-60°)	515.1	10.0	B1/1000		
BH	(60°-80°)	421.6	8.2	B1/500		G1/500
BVH	(80°-90°)	103.1	2.0			G2/225
UL	(90°-100°)	123.0	2.4		U3/500	
UH	(100°-180°)	84.5	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9
2.5°	128.7	128.1	128.1	128.7	128.7	127.6	125.2	123.4	121.7	121.1	120.5
5°	140.5	140.0	139.4	140.0	138.2	136.4	132.9	129.3	127.0	124.6	124.0
7.5°	156.5	155.9	155.3	154.1	151.8	148.2	142.9	138.2	134.1	131.1	129.9
10°	177.2	174.8	174.2	171.8	167.7	161.8	155.9	150.0	145.3	141.1	139.4
12.5°	205.5	205.5	200.8	195.5	188.4	179.5	171.8	167.1	162.4	160.0	156.5
15°	240.4	239.2	234.4	225.6	213.8	203.7	195.5	189.6	186.6	182.5	180.7
17.5°	278.7	276.4	272.2	258.7	244.5	233.9	224.4	218.5	216.7	213.2	212.6
20°	328.9	325.4	315.4	298.8	279.3	267.5	258.7	252.2	251.6	252.8	252.2
22.5°	388.6	386.2	373.8	343.7	321.8	304.7	292.9	294.1	301.8	305.3	300.6
25°	460.0	462.4	441.7	401.6	372.6	343.7	339.0	345.5	362.6	372.0	372.6
27.5°	544.5	543.9	516.7	472.4	427.6	395.1	387.4	406.3	430.5	444.1	444.1
30°	639.0	647.2	608.9	551.0	488.4	450.0	444.1	473.0	498.4	522.6	529.7
32.5°	764.8	763.0	713.4	643.7	560.4	506.1	501.4	538.0	595.3	628.9	628.9
35°	921.2	914.8	845.7	741.1	629.5	568.7	569.3	620.1	695.7	737.0	741.1
37.5°	1055.9	1061.2	991.5	864.6	718.7	640.1	647.2	715.7	806.7	855.1	871.6
40°	1200.0	1201.8	1125.0	986.8	814.9	716.3	733.5	812.6	898.8	939.0	954.9
42.5°	1327.0	1337.6	1260.8	1109.6	912.4	809.6	817.9	887.0	972.6	1020.5	1042.9
45°	1414.4	1420.3	1373.0	1222.4	1018.1	904.7	903.5	967.9	1078.3	1131.5	1167.5
47.5°	1533.1	1549.0	1481.1	1335.8	1126.8	1001.6	991.5	1074.2	1219.5	1305.7	1336.4
50°	1672.4	1696.6	1648.8	1473.4	1250.8	1115.5	1117.3	1215.9	1394.9	1507.7	1539.5
52.5°	1811.2	1820.6	1788.8	1638.8	1394.9	1248.4	1262.6	1386.0	1591.5	1707.3	1726.7
55°	1885.6	1899.2	1908.6	1789.9	1567.9	1406.1	1430.9	1579.7	1759.2	1895.1	1939.3
57.5°	1956.5	1975.4	2000.2	1919.3	1739.7	1601.0	1625.2	1757.5	2019.7	2213.4	2247.0
60°	2076.3	2092.9	2140.7	2074.6	1897.4	1787.0	1812.4	1998.4	2199.2	2332.6	2336.2
62.5°	2074.6	2100.6	2216.3	2232.8	2066.3	1965.9	2027.9	2128.3	2287.2	2454.9	2451.3
64°	2046.2	2078.7	2218.1	2294.9	2169.1	2062.8	2116.5	2192.1	2423.6	2547.6	2525.2
65°	2026.2	2062.2	2212.8	2310.8	2225.2	2117.7	2157.8	2245.2	2463.2	2537.0	2506.3
67.5°	1915.7	1955.9	2155.5	2309.0	2283.0	2203.9	2216.9	2298.4	2397.6	2426.5	2371.6
70°	1717.9	1739.1	1965.9	2212.2	2225.8	2150.2	2185.6	2227.5	2281.9	2267.7	2195.6
72.5°	1355.9	1399.6	1628.7	1979.5	2056.9	2002.5	2016.1	2036.8	1981.9	1900.4	1814.7
75°	965.5	1004.5	1218.3	1561.4	1791.1	1769.3	1788.2	1755.1	1694.3	1619.9	1536.0
77.5°	671.4	683.8	860.4	1178.1	1431.5	1498.2	1539.0	1492.3	1458.1	1368.9	1301.6
80°	434.6	455.3	566.3	853.3	1134.4	1270.8	1336.4	1306.3	1226.6	1084.2	1007.5
82.5°	269.3	285.8	373.2	605.9	899.4	1089.0	1152.1	1110.8	983.3	824.4	747.6
85°	154.1	157.7	218.5	394.5	657.3	865.1	949.6	883.5	735.2	581.7	514.4
87.5°	88.6	91.5	130.5	241.5	454.7	652.0	732.3	636.0	493.7	373.8	329.5
90°	56.7	60.2	84.4	157.7	292.9	465.9	525.0	436.4	330.7	236.8	208.5
92.5°	39.0	40.7	56.7	98.0	189.0	307.7	350.8	291.7	206.1	151.2	134.1
95°	28.3	29.5	40.2	66.7	121.7	193.1	216.7	184.8	135.2	100.4	89.8
97.5°	23.0	23.6	31.3	49.0	83.9	122.8	129.9	115.2	89.8	71.5	67.3
100°	19.5	20.1	26.0	37.8	59.6	80.3	82.1	77.4	63.2	53.1	50.8
102.5°	17.7	17.7	21.9	30.7	44.9	57.3	57.3	53.1	43.7	39.0	39.0
105°	15.9	15.9	18.9	25.4	35.4	44.3	43.7	39.0	33.1	29.5	30.1
107.5°	14.2	14.2	16.5	20.7	28.9	34.8	33.7	28.9	25.4	23.0	23.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	13.0	13.0	14.8	17.7	24.2	28.9	27.2	22.4	18.9	18.9	19.5
112.5°	11.8	11.8	13.0	15.9	20.7	23.6	21.9	17.7	15.4	15.4	15.9
115°	10.6	10.6	11.8	14.2	18.3	20.1	18.3	14.2	12.4	13.0	14.2
117.5°	10.0	10.0	11.2	13.0	15.9	17.1	15.4	11.8	10.6	11.8	12.4
120°	9.4	9.4	10.6	12.4	14.8	15.4	13.0	10.6	9.4	10.6	11.2
122.5°	9.4	9.4	10.0	11.8	13.6	13.6	11.8	9.4	8.3	9.4	10.0
125°	9.4	9.4	10.0	11.2	12.4	12.4	10.6	8.3	7.7	8.9	8.9
127.5°	10.0	10.0	10.6	11.2	11.8	11.2	9.4	7.7	7.1	8.3	8.3
130°	10.0	10.0	10.0	10.6	10.6	10.0	8.3	7.1	7.1	7.7	8.3
132.5°	10.0	10.0	10.0	10.0	10.0	8.9	7.7	6.5	7.1	7.7	8.3
135°	9.4	9.4	9.4	9.4	8.9	7.7	6.5	5.3	6.5	7.1	7.1
137.5°	8.3	8.9	8.3	8.3	8.3	7.1	5.3	4.7	5.3	6.5	6.5
140°	7.7	7.7	7.7	7.7	7.1	5.9	4.7	3.5	4.1	5.3	5.3
142.5°	7.1	7.1	7.1	6.5	6.5	5.3	3.5	3.0	3.5	4.1	4.1
145°	5.9	5.9	5.9	5.9	5.3	4.1	3.0	2.4	3.0	3.5	3.5
147.5°	4.7	4.7	4.7	4.7	4.1	3.5	2.4	2.4	3.0	3.0	3.0
150°	3.5	4.1	4.1	4.1	3.5	3.0	1.8	1.8	2.4	3.0	3.0
152.5°	3.0	3.0	3.0	3.5	3.0	1.8	1.2	1.8	2.4	2.4	2.4
155°	1.8	2.4	2.4	2.4	2.4	1.8	1.2	1.8	1.8	2.4	2.4
157.5°	1.2	1.2	1.8	1.8	1.8	1.8	1.2	1.2	1.8	1.8	1.8
160°	0.6	0.6	1.2	1.8	1.8	1.8	1.2	1.2	1.8	1.8	1.8
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°	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9
2.5°	119.9	119.3	118.1	116.9	116.3	116.3	115.2	114.6	112.8	112.8	112.2
5°	122.2	121.1	118.7	116.3	114.6	114.0	112.8	111.0	109.8	109.3	109.3
7.5°	127.6	125.8	121.1	118.1	115.7	114.0	112.8	111.0	109.8	109.3	109.3
10°	136.4	133.5	128.1	122.8	119.3	116.9	115.7	115.2	114.6	114.0	114.0
12.5°	153.5	149.4	140.5	134.1	127.0	123.4	122.2	123.4	126.4	127.6	128.1
15°	177.2	171.8	161.2	149.4	138.8	132.9	135.2	141.1	146.5	148.8	148.2
17.5°	206.7	198.4	185.4	169.5	154.7	151.8	154.1	160.6	168.3	171.8	171.3
20°	244.5	238.0	218.5	192.5	176.0	171.3	173.0	181.3	192.5	196.1	197.2
22.5°	296.5	287.0	256.9	220.9	199.0	190.2	191.9	202.6	217.9	226.2	227.9
25°	363.8	353.7	309.4	254.5	220.3	206.7	213.8	227.9	252.8	265.7	264.6
27.5°	441.7	424.6	366.7	295.9	245.1	223.8	234.4	257.5	283.5	300.0	298.8
30°	513.8	499.0	421.6	333.7	266.3	240.4	251.6	281.1	311.2	331.3	332.5
32.5°	621.8	594.7	486.0	366.1	283.5	253.9	264.6	300.6	335.4	359.6	359.1
35°	733.5	702.7	556.9	403.9	298.2	262.8	274.0	314.8	353.1	382.1	382.7
37.5°	851.0	807.9	620.1	428.7	310.0	268.1	279.3	324.8	373.8	406.9	408.1
40°	930.1	881.1	658.5	441.7	313.6	271.6	284.1	331.9	377.4	401.6	403.9
42.5°	1018.7	949.6	678.5	431.1	309.4	271.1	285.2	326.6	362.0	379.1	380.9
45°	1140.9	1048.2	700.4	414.6	298.2	269.3	280.5	312.4	335.4	341.9	341.9
47.5°	1299.8	1168.1	737.0	396.8	286.4	264.0	272.2	292.9	301.8	300.6	297.6
50°	1490.5	1338.2	781.3	381.5	275.2	257.5	262.8	274.6	277.6	274.0	272.2
52.5°	1680.7	1475.2	812.0	367.9	268.1	251.6	255.1	264.0	264.0	253.3	251.6
55°	1854.9	1599.2	803.7	341.9	262.8	248.6	252.2	258.7	253.3	240.9	238.6
57.5°	2136.6	1813.6	825.0	316.5	255.1	248.0	252.8	256.9	249.2	237.4	235.0
60°	2186.8	1804.7	774.8	300.6	249.8	249.8	255.1	259.8	254.5	243.9	243.3
62.5°	2256.5	1813.0	698.6	277.6	246.3	251.0	260.4	267.5	266.9	259.2	258.1
64°	2305.5	1824.8	671.4	266.9	243.3	251.0	264.6	275.2	275.2	266.3	266.3
65°	2257.1	1779.9	651.4	261.6	240.4	251.0	266.9	279.9	278.7	271.6	270.5
67.5°	2110.6	1634.0	566.3	249.8	233.9	251.0	273.4	287.6	289.4	283.5	281.1
70°	1931.7	1474.6	492.5	236.2	227.4	248.0	273.4	292.3	295.3	288.8	287.0
72.5°	1574.4	1185.8	406.3	221.5	217.9	240.9	269.9	290.0	292.9	285.2	282.9
75°	1319.9	968.5	336.6	207.3	207.9	232.1	261.0	279.3	279.3	271.1	267.5
77.5°	1087.2	781.9	278.7	193.7	196.1	220.9	245.1	256.9	253.3	245.7	240.9
80°	814.4	590.5	229.7	178.9	181.3	202.6	222.6	230.9	227.4	217.9	216.7
82.5°	595.9	424.6	196.1	163.6	165.4	182.5	197.2	204.3	207.3	199.6	197.2
85°	391.5	299.4	168.3	148.2	149.4	162.4	171.8	177.8	184.2	181.9	180.7
87.5°	255.7	207.3	142.3	130.5	131.7	142.3	148.8	154.7	167.7	169.5	167.1
90°	171.8	145.3	117.5	112.8	114.6	123.4	127.0	132.9	147.0	149.4	149.4
92.5°	115.2	103.9	95.1	95.1	98.0	105.7	106.3	108.1	119.9	122.8	121.7
95°	80.9	77.4	76.8	78.0	81.5	87.4	84.4	83.3	90.9	91.5	90.4
97.5°	62.0	60.8	62.0	63.8	65.6	71.5	68.5	65.6	69.1	67.9	69.1
100°	49.6	49.0	50.8	50.8	52.6	57.9	55.5	53.7	54.3	52.0	52.0
102.5°	39.6	39.6	41.3	41.9	43.1	47.2	46.7	44.9	43.7	41.3	41.9
105°	30.7	31.3	33.7	34.3	36.0	39.6	39.0	36.6	35.4	32.5	33.1
107.5°	24.8	26.0	27.8	28.3	30.1	33.1	31.9	29.5	27.8	26.6	26.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.7	21.3	23.0	23.6	25.4	27.8	27.2	24.2	21.9	21.3	21.9
112.5°	17.1	18.3	19.5	20.1	21.9	23.6	21.9	19.5	17.7	18.3	18.3
115°	14.8	15.4	16.5	17.1	18.3	20.1	18.3	15.9	14.8	15.4	15.9
117.5°	13.6	14.2	14.8	14.8	15.9	17.1	15.4	13.6	13.0	13.6	14.2
120°	11.8	12.4	13.0	13.6	14.2	14.8	13.6	11.8	11.2	12.4	12.4
122.5°	10.6	11.2	11.2	11.8	12.4	13.0	11.8	10.6	10.0	10.6	11.2
125°	9.4	10.0	10.6	10.6	11.2	11.2	10.6	9.4	9.4	10.0	10.0
127.5°	8.9	9.4	9.4	10.0	10.0	10.0	9.4	8.3	8.9	9.4	9.4
130°	8.9	8.9	8.9	8.9	8.9	8.9	8.3	7.7	8.3	8.9	8.9
132.5°	8.3	8.3	8.3	8.3	8.3	7.7	7.1	7.1	7.7	8.3	8.3
135°	7.7	7.7	7.1	7.1	7.1	7.1	6.5	6.5	6.5	7.1	7.1
137.5°	6.5	6.5	5.9	5.9	5.9	5.9	5.3	5.3	5.9	6.5	6.5
140°	5.3	5.3	4.7	4.7	4.7	4.7	4.7	4.7	5.3	5.3	5.9
142.5°	4.1	4.1	4.1	3.5	3.5	4.1	4.1	4.1	4.7	4.7	4.7
145°	3.5	3.5	3.5	3.0	3.0	3.5	3.5	3.5	4.1	4.1	4.1
147.5°	3.0	3.0	3.0	2.4	1.8	3.0	3.0	3.0	3.5	3.0	3.0
150°	3.0	3.0	2.4	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.8	1.2	1.2	1.8	2.4	1.8	1.8	1.8
155°	2.4	2.4	1.8	1.8	1.2	0.6	1.2	1.8	1.2	1.2	1.2
157.5°	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
160°	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.2	0.6	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)