

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: P416987

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416987
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-PA1-80-830-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 6905 lumens
Efficiency: N/A
Efficacy: 83.2 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: B2 - U3 - G3

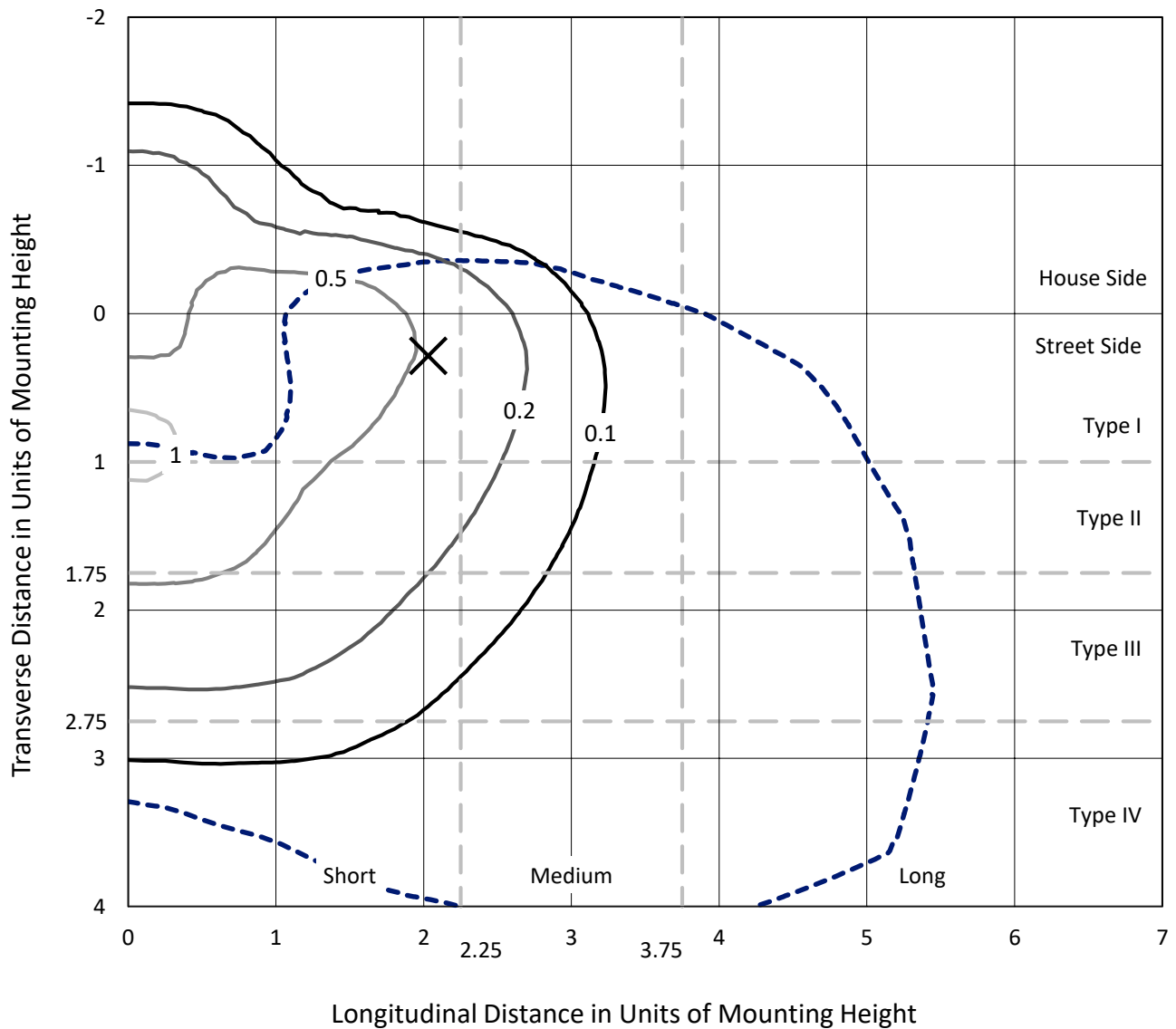
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

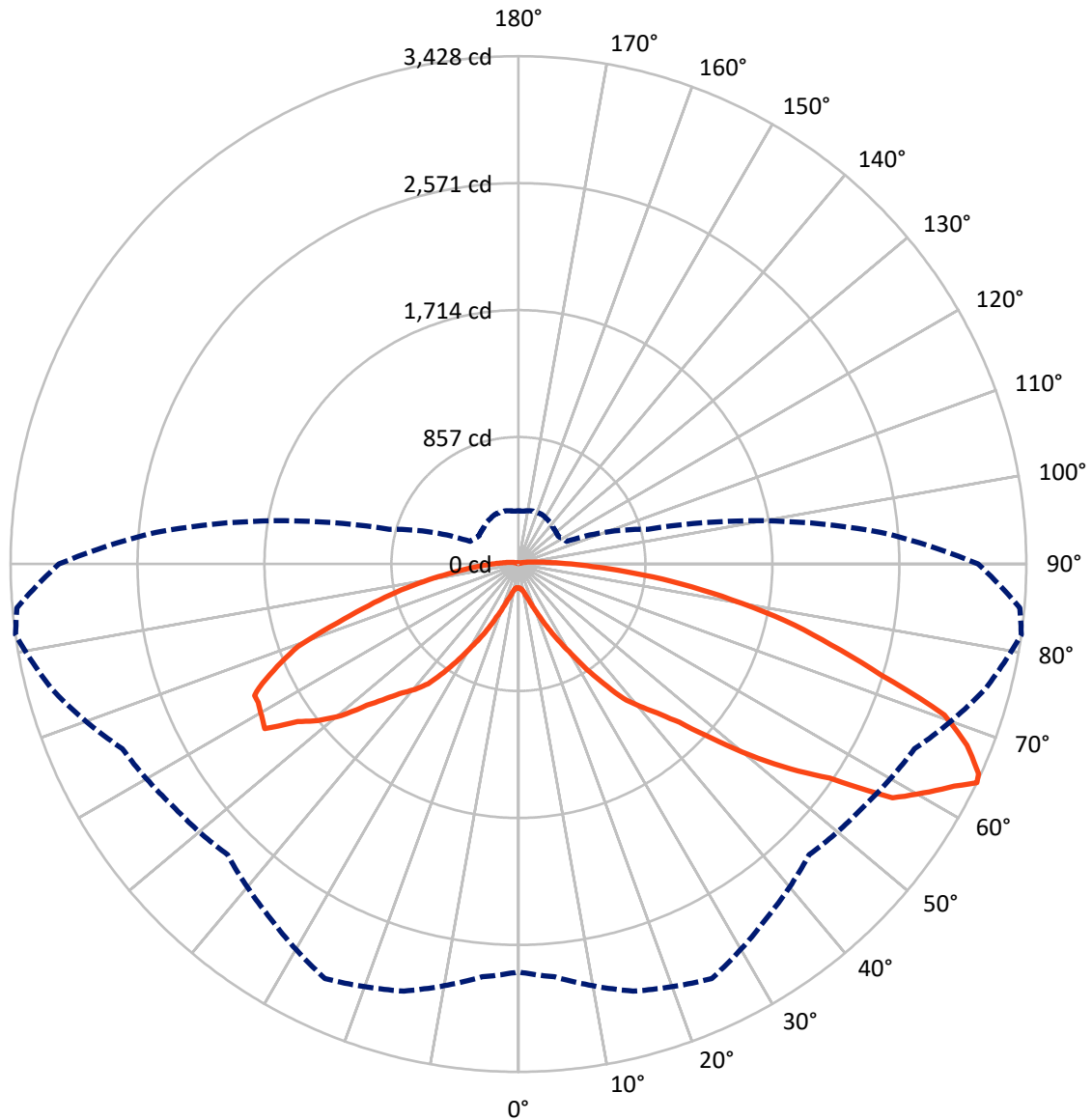


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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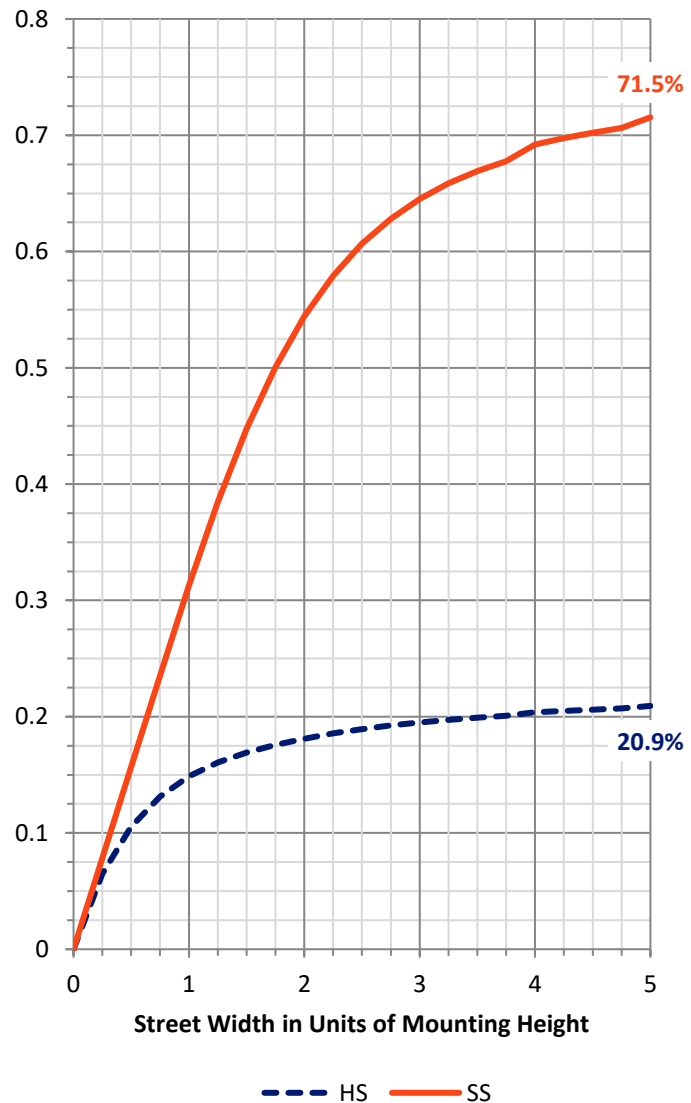
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1517.9	113.7	1631.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5124.3	149.0	5273.3
	% Fixture	74.2	2.2	76.4
Total	Lumens	6642.3	262.7	6905.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.2
10°-20°	71.0	1.0
20°-30°	204.7	3.0
30°-40°	469.9	6.8
40°-50°	825.3	12.0
50°-60°	1325.6	19.2
60°-70°	1779.4	25.8
70°-80°	1360.5	19.7
80°-90°	589.3	8.5
90°-100°	165.5	2.4
100°-110°	50.2	0.7
110°-120°	22.1	0.3
120°-130°	12.6	0.2
130°-140°	7.7	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6642.3	96.2
0°-180°	6905.0	100.0



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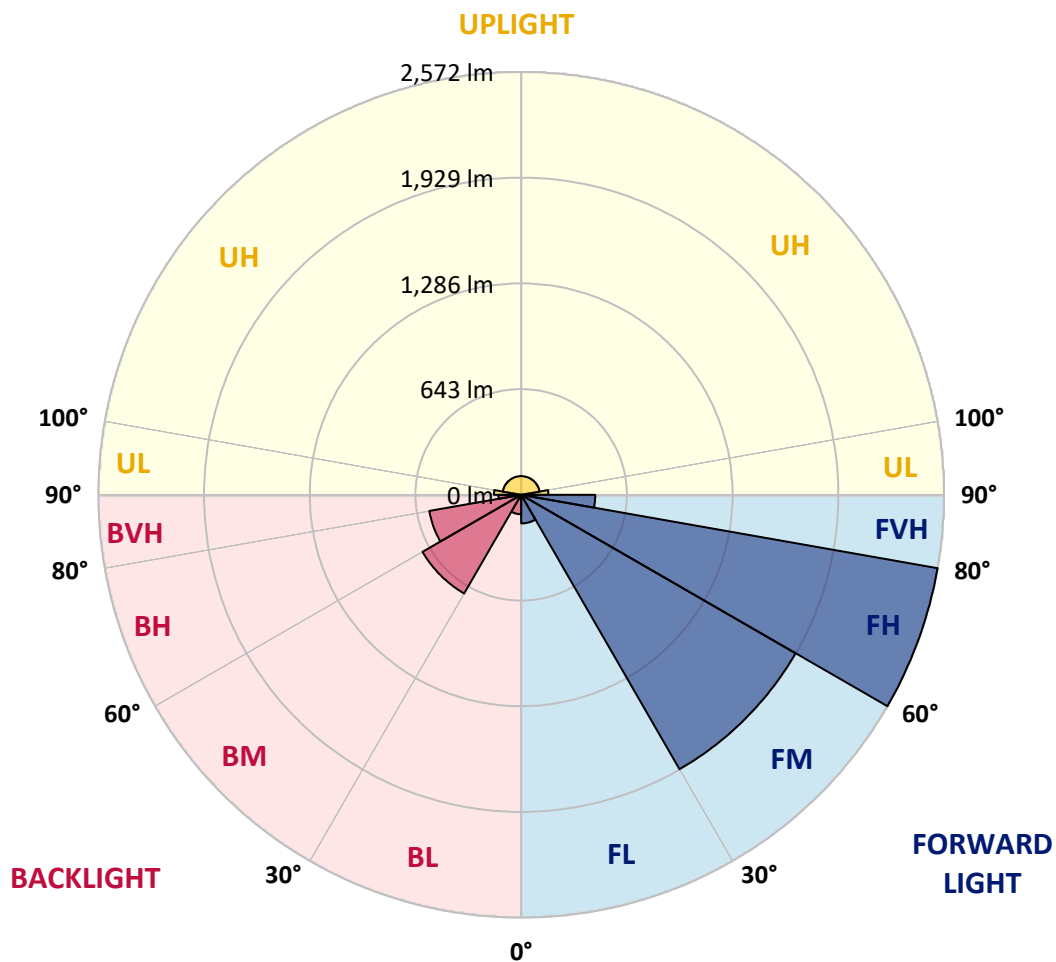
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.9	2.5			
FM	(30°-60°)	1927.5	27.9			
FH	(60°-80°)	2572.5	37.3			G2/5000
FVH	(80°-90°)	450.5	6.5			G3/500
BL	(0°-30°)	118.5	1.7	B1/500		
BM	(30°-60°)	693.2	10.0	B1/1000		
BH	(60°-80°)	567.4	8.2	B2/1000		G2/1000
BVH	(80°-90°)	138.8	2.0			G2/225
UL	(90°-100°)	165.5	2.4		U3/500	
UH	(100°-180°)	113.7	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3
2.5°	173.2	172.5	172.5	173.2	173.2	171.7	168.5	166.1	163.7	162.9	162.1
5°	189.1	188.3	187.6	188.3	186.0	183.6	178.8	174.0	170.9	167.7	166.9
7.5°	210.6	209.8	209.0	207.4	204.2	199.5	192.3	186.0	180.4	176.4	174.8
10°	238.4	235.2	234.4	231.3	225.7	217.8	209.8	201.9	195.5	189.9	187.6
12.5°	276.6	276.6	270.2	263.1	253.5	241.6	231.3	224.9	218.5	215.4	210.6
15°	323.5	321.9	315.5	303.6	287.7	274.2	263.1	255.1	251.1	245.6	243.2
17.5°	375.1	371.9	366.4	348.1	329.0	314.7	302.0	294.0	291.7	286.9	286.1
20°	442.7	437.9	424.4	402.1	375.9	360.0	348.1	339.3	338.6	340.1	339.3
22.5°	522.9	519.7	503.1	462.5	433.1	410.1	394.2	395.8	406.1	410.9	404.5
25°	619.1	622.3	594.4	540.4	501.5	462.5	456.2	464.9	488.0	500.7	501.5
27.5°	732.7	731.9	695.4	635.8	575.4	531.7	521.3	546.8	579.3	597.6	597.6
30°	859.9	871.0	819.4	741.5	657.2	605.6	597.6	636.6	670.7	703.3	712.9
32.5°	1029.2	1026.8	960.0	866.2	754.2	681.1	674.7	724.0	801.1	846.4	846.4
35°	1239.8	1231.0	1138.0	997.4	847.2	765.3	766.1	834.5	936.2	991.8	997.4
37.5°	1421.0	1428.1	1334.3	1163.5	967.2	861.5	871.0	963.2	1085.6	1150.8	1173.0
40°	1614.9	1617.3	1513.9	1328.0	1096.7	964.0	987.0	1093.5	1209.6	1263.6	1285.1
42.5°	1785.7	1800.0	1696.7	1493.3	1227.8	1089.6	1100.7	1193.7	1308.9	1373.3	1403.5
45°	1903.4	1911.3	1847.7	1645.1	1370.1	1217.5	1215.9	1302.5	1451.2	1522.7	1571.2
47.5°	2063.1	2084.5	1993.2	1797.7	1516.3	1347.8	1334.3	1445.6	1641.1	1757.1	1798.4
50°	2250.6	2283.2	2218.9	1982.8	1683.2	1501.2	1503.6	1636.3	1877.1	2028.9	2071.8
52.5°	2437.4	2450.1	2407.2	2205.3	1877.1	1680.0	1699.1	1865.2	2141.8	2297.5	2323.8
55°	2537.5	2555.8	2568.5	2408.8	2110.0	1892.2	1925.6	2125.9	2367.5	2550.3	2609.9
57.5°	2632.9	2658.3	2691.7	2582.8	2341.2	2154.5	2187.1	2365.1	2717.9	2978.6	3023.9
60°	2794.2	2816.5	2880.9	2791.8	2553.4	2404.8	2439.0	2689.3	2959.5	3139.1	3143.9
62.5°	2791.8	2826.8	2982.6	3004.8	2780.7	2645.6	2729.1	2864.2	3077.9	3303.6	3298.9
64°	2753.7	2797.4	2985.0	3088.3	2919.0	2776.0	2848.3	2950.0	3261.5	3428.4	3398.2
65°	2726.7	2775.2	2977.8	3109.7	2994.5	2849.9	2903.9	3021.5	3314.8	3414.1	3372.8
67.5°	2578.1	2632.1	2900.7	3107.3	3072.4	2965.9	2983.4	3093.0	3226.6	3265.5	3191.6
70°	2311.8	2340.4	2645.6	2977.0	2995.3	2893.6	2941.3	2997.7	3070.8	3051.7	2954.8
72.5°	1824.7	1883.5	2191.8	2663.9	2768.0	2694.9	2713.2	2741.0	2667.1	2557.4	2442.2
75°	1299.4	1351.8	1639.5	2101.2	2410.4	2381.0	2406.4	2361.9	2280.0	2179.9	2067.1
77.5°	903.6	920.3	1157.9	1585.5	1926.4	2016.2	2071.0	2008.3	1962.2	1842.2	1751.6
80°	584.9	612.7	762.1	1148.4	1526.7	1710.2	1798.4	1757.9	1650.6	1459.1	1355.8
82.5°	362.4	384.6	502.3	815.4	1210.4	1465.5	1550.5	1494.9	1323.2	1109.4	1006.1
85°	207.4	212.2	294.0	530.9	884.5	1164.3	1277.9	1188.9	989.4	782.8	692.2
87.5°	119.2	123.2	175.6	325.0	611.9	877.4	985.5	855.9	664.4	503.1	443.5
90°	76.3	81.1	113.6	212.2	394.2	627.0	706.5	587.3	445.0	318.7	280.5
92.5°	52.5	54.8	76.3	131.9	254.3	414.0	472.1	392.6	277.4	203.4	180.4
95°	38.1	39.7	54.0	89.8	163.7	259.9	291.7	248.7	182.0	135.1	120.8
97.5°	31.0	31.8	42.1	66.0	112.9	165.3	174.8	155.0	120.8	96.2	90.6
100°	26.2	27.0	35.0	50.9	80.3	108.1	110.5	104.1	85.0	71.5	68.3
102.5°	23.8	23.8	29.4	41.3	60.4	77.1	77.1	71.5	58.8	52.5	52.5
105°	21.5	21.5	25.4	34.2	47.7	59.6	58.8	52.5	44.5	39.7	40.5
107.5°	19.1	19.1	22.3	27.8	38.9	46.9	45.3	38.9	34.2	31.0	31.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	17.5	17.5	19.9	23.8	32.6	38.9	36.6	30.2	25.4	25.4	26.2
112.5°	15.9	15.9	17.5	21.5	27.8	31.8	29.4	23.8	20.7	20.7	21.5
115°	14.3	14.3	15.9	19.1	24.6	27.0	24.6	19.1	16.7	17.5	19.1
117.5°	13.5	13.5	15.1	17.5	21.5	23.0	20.7	15.9	14.3	15.9	16.7
120°	12.7	12.7	14.3	16.7	19.9	20.7	17.5	14.3	12.7	14.3	15.1
122.5°	12.7	12.7	13.5	15.9	18.3	18.3	15.9	12.7	11.1	12.7	13.5
125°	12.7	12.7	13.5	15.1	16.7	16.7	14.3	11.1	10.3	11.9	11.9
127.5°	13.5	13.5	14.3	15.1	15.9	15.1	12.7	10.3	9.5	11.1	11.1
130°	13.5	13.5	13.5	14.3	14.3	13.5	11.1	9.5	9.5	10.3	11.1
132.5°	13.5	13.5	13.5	13.5	13.5	11.9	10.3	8.7	9.5	10.3	11.1
135°	12.7	12.7	12.7	12.7	11.9	10.3	8.7	7.2	8.7	9.5	9.5
137.5°	11.1	11.9	11.1	11.1	11.1	9.5	7.2	6.4	7.2	8.7	8.7
140°	10.3	10.3	10.3	10.3	9.5	7.9	6.4	4.8	5.6	7.2	7.2
142.5°	9.5	9.5	9.5	8.7	8.7	7.2	4.8	4.0	4.8	5.6	5.6
145°	7.9	7.9	7.9	7.9	7.2	5.6	4.0	3.2	4.0	4.8	4.8
147.5°	6.4	6.4	6.4	6.4	5.6	4.8	3.2	3.2	4.0	4.0	4.0
150°	4.8	5.6	5.6	5.6	4.8	4.0	2.4	2.4	3.2	4.0	4.0
152.5°	4.0	4.0	4.0	4.8	4.0	2.4	1.6	2.4	3.2	3.2	3.2
155°	2.4	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2
157.5°	1.6	1.6	2.4	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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°	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3
2.5°	161.3	160.5	158.9	157.4	156.6	156.6	155.0	154.2	151.8	151.8	151.0
5°	164.5	162.9	159.7	156.6	154.2	153.4	151.8	149.4	147.8	147.0	147.0
7.5°	171.7	169.3	162.9	158.9	155.8	153.4	151.8	149.4	147.8	147.0	147.0
10°	183.6	179.6	172.5	165.3	160.5	157.4	155.8	155.0	154.2	153.4	153.4
12.5°	206.6	201.1	189.1	180.4	170.9	166.1	164.5	166.1	170.1	171.7	172.5
15°	238.4	231.3	217.0	201.1	186.8	178.8	182.0	189.9	197.1	200.3	199.5
17.5°	278.2	267.0	249.5	228.1	208.2	204.2	207.4	216.2	226.5	231.3	230.5
20°	329.0	320.3	294.0	259.1	236.8	230.5	232.9	244.0	259.1	263.8	265.4
22.5°	398.9	386.2	345.7	297.2	267.8	255.9	258.3	272.6	293.3	304.4	306.8
25°	489.5	476.0	416.4	342.5	296.4	278.2	287.7	306.8	340.1	357.6	356.0
27.5°	594.4	571.4	493.5	398.2	329.8	301.2	315.5	346.5	381.5	403.7	402.1
30°	691.4	671.5	567.4	449.0	358.4	323.5	338.6	378.3	418.8	445.8	447.4
32.5°	836.8	800.3	654.1	492.7	381.5	341.7	356.0	404.5	451.4	484.0	483.2
35°	987.0	945.7	749.4	543.6	401.3	353.6	368.7	423.6	475.2	514.2	515.0
37.5°	1145.2	1087.2	834.5	577.0	417.2	360.8	375.9	437.1	503.1	547.6	549.2
40°	1251.7	1185.7	886.1	594.4	422.0	365.6	382.3	446.6	507.8	540.4	543.6
42.5°	1370.9	1277.9	913.1	580.1	416.4	364.8	383.8	439.5	487.2	510.2	512.6
45°	1535.4	1410.6	942.5	557.9	401.3	362.4	377.5	420.4	451.4	460.1	460.1
47.5°	1749.2	1572.0	991.8	534.1	385.4	355.2	366.4	394.2	406.1	404.5	400.5
50°	2005.9	1800.8	1051.4	513.4	370.3	346.5	353.6	369.5	373.5	368.7	366.4
52.5°	2261.8	1985.2	1092.7	495.1	360.8	338.6	343.3	355.2	355.2	340.9	338.6
55°	2496.2	2152.1	1081.6	460.1	353.6	334.6	339.3	348.1	340.9	324.2	321.1
57.5°	2875.3	2440.6	1110.2	426.0	343.3	333.8	340.1	345.7	335.4	319.5	316.3
60°	2942.8	2428.7	1042.7	404.5	336.2	336.2	343.3	349.7	342.5	328.2	327.4
62.5°	3036.6	2439.8	940.2	373.5	331.4	337.8	350.5	360.0	359.2	348.9	347.3
64°	3102.6	2455.7	903.6	359.2	327.4	337.8	356.0	370.3	370.3	358.4	358.4
65°	3037.4	2395.3	876.6	352.1	323.5	337.8	359.2	376.7	375.1	365.6	364.0
67.5°	2840.3	2199.0	762.1	336.2	314.7	337.8	368.0	387.0	389.4	381.5	378.3
70°	2599.5	1984.4	662.8	317.9	306.0	333.8	368.0	393.4	397.4	388.6	386.2
72.5°	2118.7	1595.8	546.8	298.0	293.3	324.2	363.2	390.2	394.2	383.8	380.7
75°	1776.2	1303.3	453.0	278.9	279.7	312.3	351.3	375.9	375.9	364.8	360.0
77.5°	1463.1	1052.2	375.1	260.7	263.8	297.2	329.8	345.7	340.9	330.6	324.2
80°	1095.9	794.7	309.1	240.8	244.0	272.6	299.6	310.7	306.0	293.3	291.7
82.5°	801.9	571.4	263.8	220.1	222.5	245.6	265.4	275.0	278.9	268.6	265.4
85°	526.9	402.9	226.5	199.5	201.1	218.5	231.3	239.2	248.0	244.8	243.2
87.5°	344.1	278.9	191.5	175.6	177.2	191.5	200.3	208.2	225.7	228.1	224.9
90°	231.3	195.5	158.1	151.8	154.2	166.1	170.9	178.8	197.9	201.1	201.1
92.5°	155.0	139.9	127.9	127.9	131.9	142.3	143.0	145.4	161.3	165.3	163.7
95°	108.9	104.1	103.3	104.9	109.7	117.6	113.6	112.1	122.4	123.2	121.6
97.5°	83.4	81.9	83.4	85.8	88.2	96.2	92.2	88.2	93.0	91.4	93.0
100°	66.8	66.0	68.3	68.3	70.7	77.9	74.7	72.3	73.1	69.9	69.9
102.5°	53.2	53.2	55.6	56.4	58.0	63.6	62.8	60.4	58.8	55.6	56.4
105°	41.3	42.1	45.3	46.1	48.5	53.2	52.5	49.3	47.7	43.7	44.5
107.5°	33.4	35.0	37.4	38.1	40.5	44.5	42.9	39.7	37.4	35.8	35.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.8	28.6	31.0	31.8	34.2	37.4	36.6	32.6	29.4	28.6	29.4
112.5°	23.0	24.6	26.2	27.0	29.4	31.8	29.4	26.2	23.8	24.6	24.6
115°	19.9	20.7	22.3	23.0	24.6	27.0	24.6	21.5	19.9	20.7	21.5
117.5°	18.3	19.1	19.9	19.9	21.5	23.0	20.7	18.3	17.5	18.3	19.1
120°	15.9	16.7	17.5	18.3	19.1	19.9	18.3	15.9	15.1	16.7	16.7
122.5°	14.3	15.1	15.1	15.9	16.7	17.5	15.9	14.3	13.5	14.3	15.1
125°	12.7	13.5	14.3	14.3	15.1	15.1	14.3	12.7	12.7	13.5	13.5
127.5°	11.9	12.7	12.7	13.5	13.5	13.5	12.7	11.1	11.9	12.7	12.7
130°	11.9	11.9	11.9	11.9	11.9	11.9	11.1	10.3	11.1	11.9	11.9
132.5°	11.1	11.1	11.1	11.1	11.1	10.3	9.5	9.5	10.3	11.1	11.1
135°	10.3	10.3	9.5	9.5	9.5	9.5	8.7	8.7	8.7	9.5	9.5
137.5°	8.7	8.7	7.9	7.9	7.9	7.9	7.2	7.2	7.9	8.7	8.7
140°	7.2	7.2	6.4	6.4	6.4	6.4	6.4	6.4	7.2	7.2	7.9
142.5°	5.6	5.6	5.6	4.8	4.8	5.6	5.6	5.6	6.4	6.4	6.4
145°	4.8	4.8	4.8	4.0	4.0	4.8	4.8	4.8	5.6	5.6	5.6
147.5°	4.0	4.0	4.0	3.2	2.4	4.0	4.0	4.0	4.8	4.0	4.0
150°	4.0	4.0	3.2	2.4	2.4	2.4	3.2	3.2	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.4	1.6	1.6	2.4	3.2	2.4	2.4	2.4
155°	3.2	3.2	2.4	2.4	1.6	0.8	1.6	2.4	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	0.8	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)