

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: P414011

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6934 lumens
Efficiency: N/A
Efficacy: 72.2 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

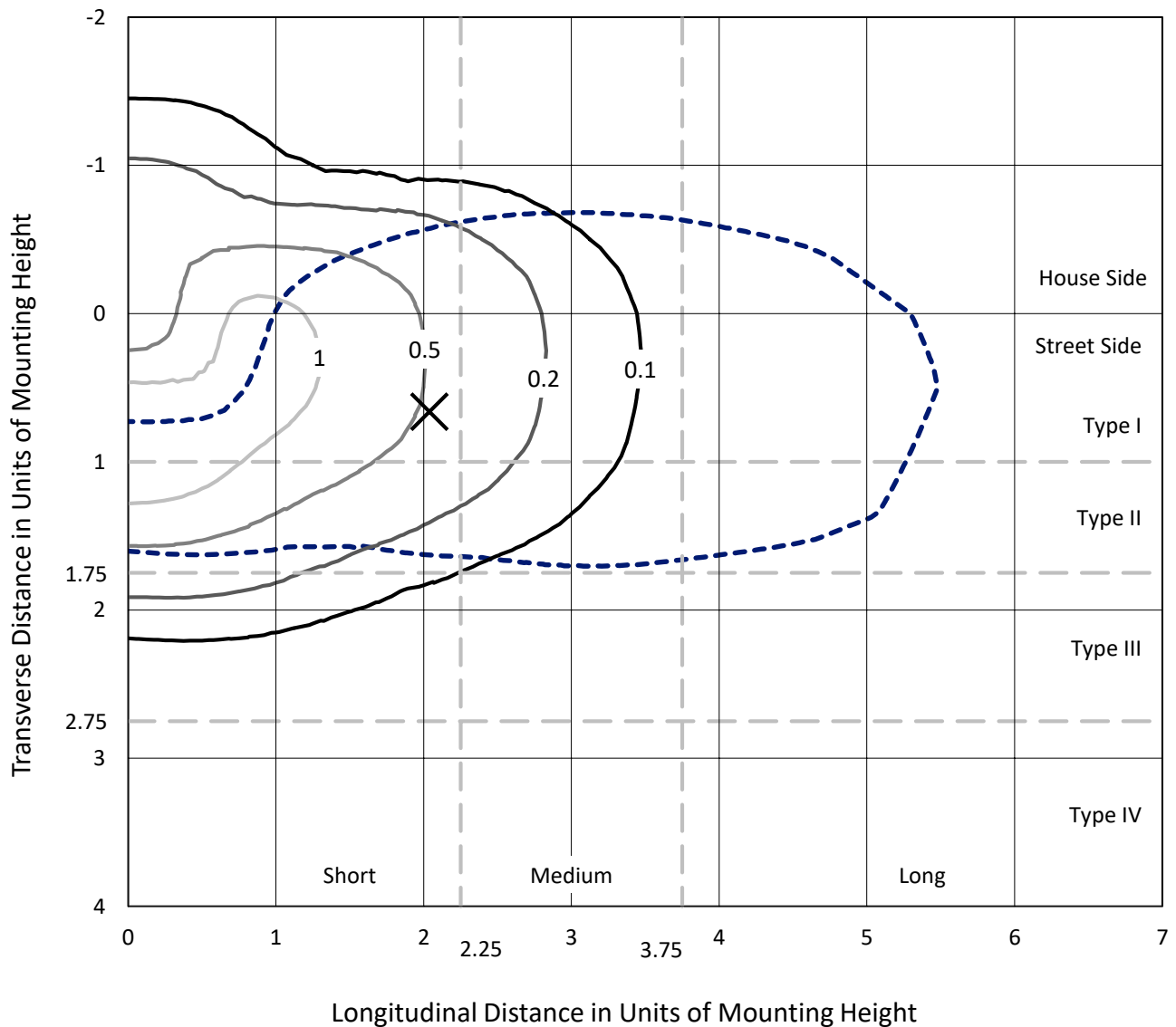
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

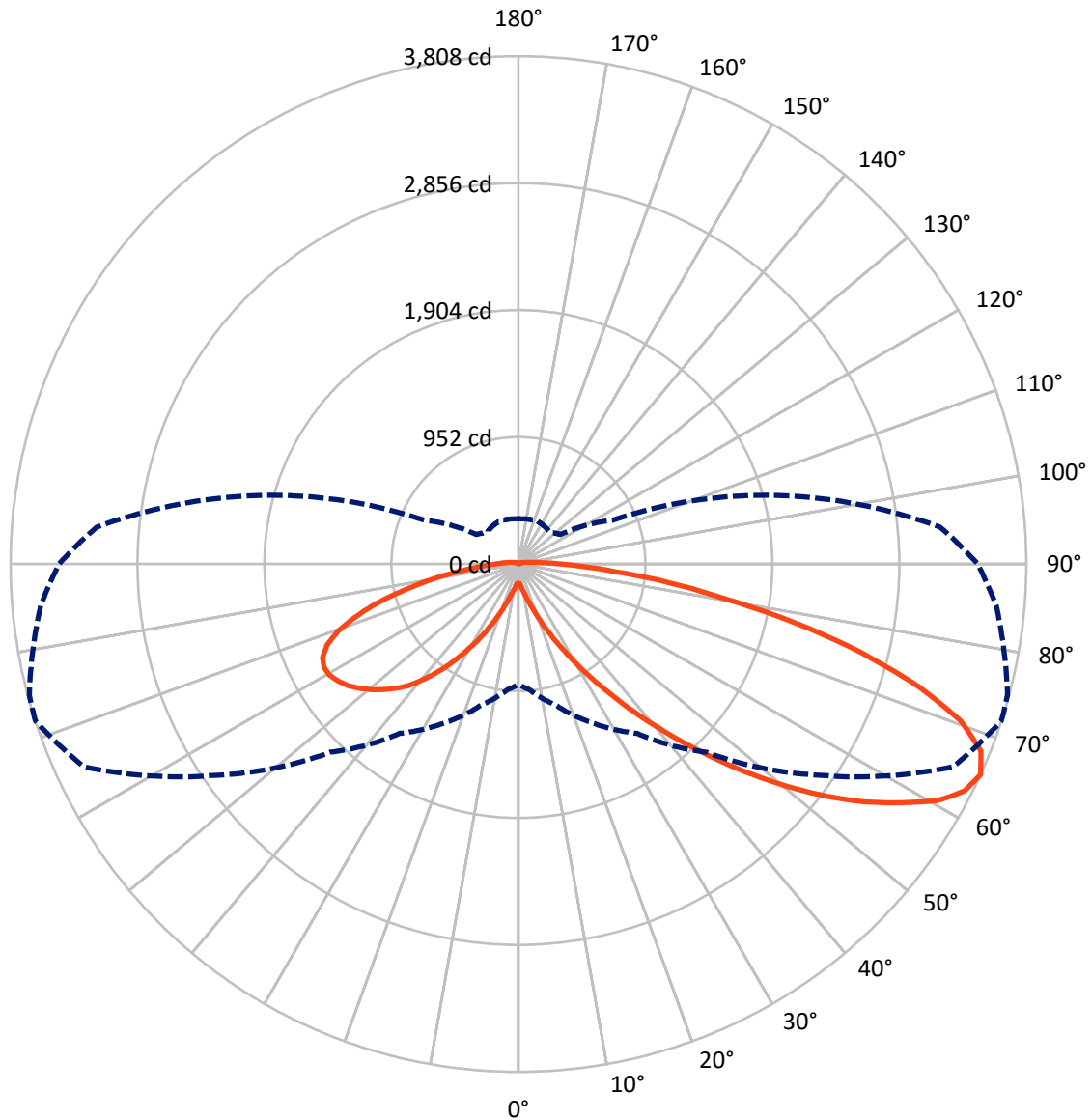
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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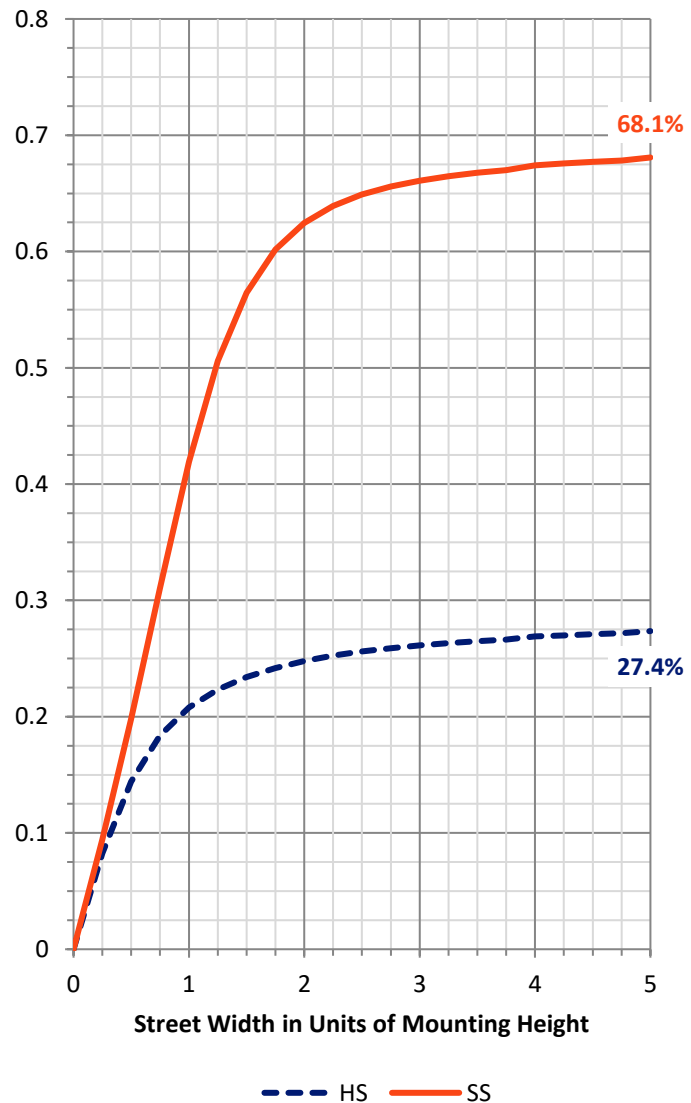
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1955.0	98.4	2053.4
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4784.7	95.9	4880.6
	% Fixture	69.0	1.4	70.4
Total	Lumens	6739.7	194.3	6934.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.2
10°-20°	83.9	1.2
20°-30°	265.7	3.8
30°-40°	636.7	9.2
40°-50°	1175.6	17.0
50°-60°	1601.8	23.1
60°-70°	1561.8	22.5
70°-80°	1019.9	14.7
80°-90°	377.8	5.4
90°-100°	105.0	1.5
100°-110°	44.0	0.6
110°-120°	22.2	0.3
120°-130°	12.5	0.2
130°-140°	7.0	0.1
140°-150°	2.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6739.7	97.2
0°-180°	6934.0	100.0



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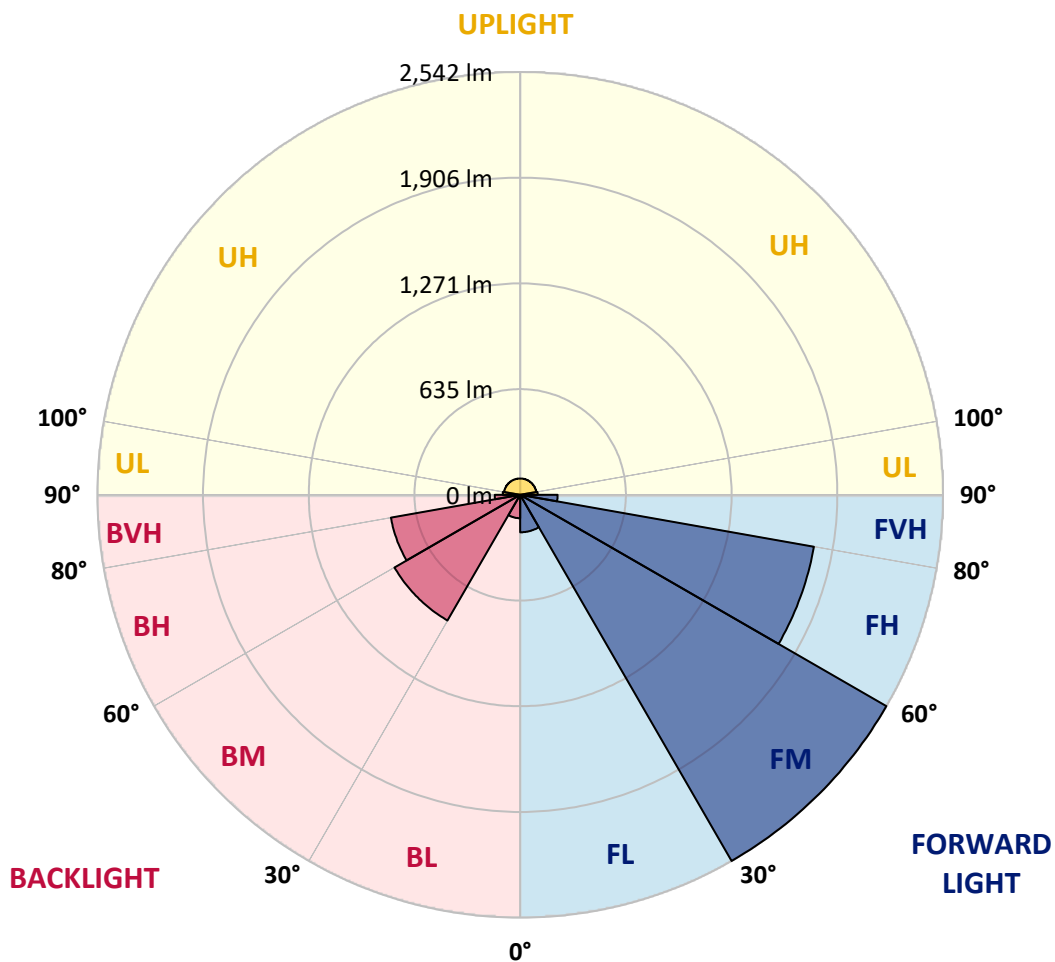
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	225.3	3.2			
FM	(30°-60°)	2541.6	36.7			
FH	(60°-80°)	1792.9	25.9			G1/1800
FVH	(80°-90°)	224.9	3.2			G2/225
BL	(0°-30°)	140.8	2.0	B1/500		
BM	(30°-60°)	872.5	12.6	B1/1000		
BH	(60°-80°)	788.8	11.4	B2/1000		G2/1000
BVH	(80°-90°)	152.9	2.2			G2/225
UL	(90°-100°)	105.0	1.5		U3/500	
UH	(100°-180°)	98.4	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°	72°	75°	85°
0°	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5
2.5°	159.7	158.9	157.3	156.5	156.5	154.9	153.3	150.9	149.3	148.5	146.9
5°	180.6	179.0	177.4	175.8	174.2	171.7	167.7	165.3	162.1	161.3	158.1
7.5°	210.3	208.7	203.8	202.2	199.8	196.6	191.8	187.0	183.8	181.4	176.6
10°	249.6	248.0	244.8	240.8	235.9	229.5	221.5	216.7	208.7	210.3	203.0
12.5°	303.4	299.3	295.3	288.9	279.3	272.1	260.8	256.0	247.2	247.2	238.4
15°	368.4	367.6	359.5	345.9	337.1	321.8	312.2	301.8	296.1	296.1	288.9
17.5°	452.6	447.0	440.6	422.1	402.1	383.6	370.8	363.6	357.1	355.5	345.9
20°	557.0	548.9	539.3	506.4	482.3	459.9	441.4	435.8	431.0	430.2	422.1
22.5°	689.4	672.5	654.9	622.8	584.3	544.9	532.1	519.2	520.0	521.7	503.2
25°	836.3	831.4	800.1	754.4	703.8	660.5	625.2	620.4	625.2	622.0	614.8
27.5°	1024.9	1008.8	969.5	910.9	830.6	780.1	742.4	739.1	739.9	744.0	731.9
30°	1244.7	1236.7	1187.0	1089.1	985.5	918.1	877.2	871.6	881.2	882.0	863.5
32.5°	1504.0	1487.9	1411.7	1302.5	1161.3	1075.4	1028.9	1027.3	1037.7	1040.1	1025.7
35°	1766.4	1758.4	1682.9	1526.4	1371.6	1241.5	1194.2	1197.4	1204.6	1219.1	1202.2
37.5°	2069.0	2047.3	1950.2	1784.9	1589.0	1433.3	1382.8	1394.0	1405.3	1405.3	1382.0
40°	2354.7	2346.6	2244.7	2036.9	1802.5	1658.1	1602.7	1609.1	1608.3	1609.1	1578.6
42.5°	2619.5	2592.2	2502.3	2281.6	2040.1	1893.2	1826.6	1837.0	1846.7	1853.9	1776.8
45°	2798.5	2775.2	2695.8	2478.3	2264.8	2125.9	2082.6	2082.6	2093.8	2090.6	2014.4
47.5°	2861.9	2858.7	2799.3	2634.0	2438.1	2330.6	2333.0	2341.8	2358.7	2343.4	2234.3
50°	2832.2	2819.3	2808.9	2716.6	2581.8	2530.4	2578.6	2623.5	2625.1	2597.8	2459.0
52.5°	2646.0	2647.6	2700.6	2683.7	2621.9	2674.1	2820.9	2900.4	2893.2	2866.7	2699.8
55°	2362.7	2375.5	2467.8	2538.5	2576.2	2720.6	3000.7	3165.2	3149.2	3112.3	2942.9
57.5°	1985.5	2027.2	2150.8	2304.9	2439.7	2677.3	3098.6	3394.8	3377.9	3377.9	3185.3
60°	1584.2	1617.9	1800.1	1987.9	2200.6	2531.2	3108.3	3563.3	3604.2	3578.6	3357.0
62.5°	1228.7	1243.1	1431.7	1668.5	1896.4	2285.7	2997.5	3643.6	3751.9	3730.2	3511.1
65°	904.5	945.4	1097.9	1314.6	1550.5	1995.9	2760.8	3596.2	3808.1	3796.8	3596.2
67.5°	672.5	691.0	818.6	1019.2	1252.8	1635.6	2415.7	3389.2	3740.7	3750.3	3583.4
70°	504.0	508.8	608.3	773.7	972.7	1290.5	2013.6	3058.5	3516.8	3560.1	3468.6
72.5°	381.2	390.0	472.7	602.7	750.4	993.6	1591.4	2609.1	3134.7	3242.3	3207.8
75°	298.5	309.0	366.0	466.3	580.2	752.0	1204.6	2077.8	2655.6	2794.5	2833.0
77.5°	235.9	247.2	295.3	372.4	452.6	580.2	885.2	1554.5	2121.1	2260.0	2372.3
80°	185.4	193.4	235.9	292.9	356.3	428.6	620.4	1130.0	1557.7	1731.1	1833.8
82.5°	141.2	150.1	183.0	231.1	279.3	327.4	443.0	768.8	1130.0	1208.6	1383.6
85°	102.7	110.8	138.0	177.4	215.1	253.6	324.2	512.8	719.9	813.8	902.1
87.5°	75.4	78.6	102.7	131.6	165.3	191.8	233.5	327.4	457.5	504.0	577.8
90°	53.0	56.2	75.4	97.1	125.2	150.1	171.7	216.7	284.9	326.6	340.3
92.5°	39.3	41.7	56.2	73.0	96.3	116.4	130.0	153.3	185.4	203.0	214.3
95°	29.7	32.1	44.1	57.8	74.6	91.5	101.9	110.8	129.2	134.0	143.7
97.5°	24.1	25.7	36.1	47.4	60.2	75.4	81.1	85.9	92.3	97.1	101.1
100°	20.9	21.7	30.5	40.1	51.4	61.0	65.8	68.2	72.2	73.8	75.4
102.5°	18.5	18.5	26.5	34.5	44.1	51.4	55.4	55.4	56.2	57.0	56.2
105°	16.1	16.9	23.3	30.5	37.7	44.1	47.4	45.7	44.9	44.1	41.7
107.5°	15.2	15.2	20.9	27.3	33.7	38.5	40.9	37.7	36.1	34.5	32.1
110°	13.6	14.4	18.5	24.1	29.7	33.7	35.3	32.1	28.9	27.3	24.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.8	13.6	16.9	21.7	26.5	30.5	30.5	27.3	23.3	21.7	20.1
115°	12.8	12.8	15.2	19.3	24.1	27.3	27.3	23.3	19.3	17.7	16.9
117.5°	12.8	12.8	14.4	17.7	21.7	24.1	24.1	20.1	16.1	14.4	14.4
120°	12.0	12.0	13.6	16.1	20.1	21.7	20.9	17.7	13.6	12.8	12.8
122.5°	12.0	12.0	12.8	15.2	18.5	20.1	19.3	15.2	12.0	10.4	11.2
125°	12.8	12.0	12.8	14.4	16.9	17.7	16.9	12.8	10.4	9.6	10.4
127.5°	12.8	12.8	12.0	13.6	15.2	16.1	15.2	11.2	8.8	8.8	9.6
130°	12.8	12.8	12.0	12.8	13.6	14.4	12.8	9.6	8.0	8.0	8.8
132.5°	12.8	12.8	12.0	12.0	12.8	12.8	11.2	8.0	7.2	7.2	8.0
135°	12.8	12.8	11.2	11.2	11.2	11.2	9.6	7.2	6.4	6.4	7.2
137.5°	12.0	12.0	11.2	10.4	10.4	9.6	8.0	5.6	4.8	5.6	6.4
140°	11.2	11.2	10.4	8.8	8.8	8.0	6.4	4.8	4.0	4.8	4.8
142.5°	10.4	10.4	9.6	8.0	7.2	6.4	5.6	3.2	3.2	3.2	4.0
145°	9.6	9.6	8.8	6.4	5.6	4.8	4.0	2.4	2.4	2.4	3.2
147.5°	8.0	8.0	7.2	5.6	4.0	4.0	2.4	1.6	2.4	2.4	2.4
150°	6.4	6.4	5.6	4.0	3.2	2.4	0.8	1.6	1.6	1.6	2.4
152.5°	5.6	5.6	4.0	3.2	1.6	0.8	0.8	0.8	1.6	1.6	1.6
155°	4.0	4.0	3.2	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	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°	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5	144.5
2.5°	145.3	145.3	144.5	143.7	142.9	142.1	140.4	139.6	139.6	138.8	138.8
5°	156.5	155.7	153.3	150.9	147.7	146.1	143.7	142.1	141.2	140.4	140.4
7.5°	174.2	172.5	167.7	163.7	159.7	156.5	152.5	150.1	149.3	146.9	147.7
10°	199.0	196.6	191.0	183.8	176.6	171.7	166.1	162.9	161.3	159.7	158.1
12.5°	235.1	230.3	220.7	211.1	200.6	191.0	185.4	183.0	184.6	183.8	184.6
15°	284.9	276.1	261.6	247.2	228.7	216.7	215.1	214.3	214.3	215.1	216.7
17.5°	341.1	331.5	313.0	286.5	264.8	252.8	245.6	244.8	248.8	249.6	248.8
20°	414.9	405.3	376.4	340.3	309.0	289.7	280.1	280.1	285.7	287.3	290.5
22.5°	494.4	488.8	449.4	399.7	357.9	326.6	313.0	314.6	322.6	325.0	326.6
25°	605.1	582.6	534.5	466.3	406.1	364.4	345.9	346.7	355.5	361.9	364.4
27.5°	727.1	701.4	630.8	541.7	454.2	395.7	374.8	375.6	386.0	394.1	395.7
30°	857.9	832.2	739.9	616.4	499.2	423.7	395.7	396.5	408.5	417.3	418.9
32.5°	997.6	976.7	847.5	696.6	538.5	443.0	409.3	410.1	420.5	428.6	430.2
35°	1174.1	1126.8	975.1	768.0	571.4	455.0	415.7	414.9	425.3	433.4	435.0
37.5°	1348.3	1297.7	1096.3	834.6	590.7	458.3	414.1	414.1	422.1	428.6	429.4
40°	1537.7	1453.4	1223.9	886.8	597.9	453.4	409.3	408.5	414.9	418.1	418.9
42.5°	1741.5	1638.0	1349.1	928.5	594.7	443.0	400.5	401.3	403.7	403.7	402.9
45°	1925.3	1820.2	1456.6	955.8	583.5	429.4	390.0	390.8	391.6	385.2	385.2
47.5°	2141.2	2013.6	1557.7	962.3	561.0	415.7	382.0	383.6	379.6	370.8	369.2
50°	2345.8	2203.8	1659.7	959.8	537.7	401.3	374.0	375.6	368.4	356.3	353.9
52.5°	2573.8	2391.6	1756.0	947.8	509.6	388.4	368.4	370.0	361.9	347.5	345.1
55°	2798.5	2590.6	1844.3	926.9	485.5	374.8	362.8	366.8	356.3	341.9	341.1
57.5°	3012.8	2788.0	1917.3	896.4	459.9	365.2	358.7	363.6	353.9	339.5	338.7
60°	3203.8	2955.8	1975.9	866.7	431.8	355.5	354.7	361.1	352.3	340.3	339.5
62.5°	3337.8	3106.7	2002.4	826.6	409.3	345.1	349.9	356.3	349.9	340.3	340.3
65°	3444.5	3174.1	1991.9	773.7	385.2	333.9	343.5	349.9	345.9	339.5	340.3
67.5°	3424.5	3172.5	1923.7	710.3	362.8	321.8	332.3	341.1	337.9	335.5	334.7
70°	3300.9	3022.4	1792.9	641.2	339.5	306.6	318.6	327.4	326.6	325.8	325.8
72.5°	3046.5	2762.4	1597.1	561.8	315.4	290.5	301.0	309.0	310.6	309.8	307.4
75°	2714.2	2404.4	1369.9	487.1	290.5	271.3	282.5	287.3	289.7	288.1	288.1
77.5°	2227.1	2004.8	1089.1	411.7	264.0	249.6	257.6	261.6	264.8	260.8	258.4
80°	1769.6	1524.8	837.9	336.3	235.1	225.5	229.5	231.1	234.3	230.3	225.5
82.5°	1242.3	1086.6	607.5	274.5	206.3	198.2	200.6	199.8	201.4	195.8	189.4
85°	829.8	730.3	418.1	220.7	176.6	169.3	169.3	166.9	165.3	159.7	154.9
87.5°	520.9	462.3	287.3	174.2	148.5	142.9	139.6	134.8	133.2	129.2	123.6
90°	321.0	295.3	200.6	139.6	123.6	118.8	115.6	108.3	107.5	101.1	97.1
92.5°	210.3	192.6	148.5	113.2	103.5	98.7	94.7	88.3	87.5	82.7	80.3
95°	138.8	134.8	113.2	94.7	87.5	83.5	79.5	73.8	72.2	67.4	64.2
97.5°	101.9	101.9	93.1	80.3	74.6	70.6	68.2	63.4	60.2	55.4	53.8
100°	77.0	77.8	74.6	69.0	64.2	60.2	57.8	53.8	51.4	46.5	45.7
102.5°	59.4	61.0	61.8	58.6	55.4	52.2	49.8	46.5	43.3	38.5	37.7
105°	45.7	47.4	50.6	49.8	48.2	45.7	43.3	40.1	36.1	32.1	32.1
107.5°	35.3	36.9	41.7	42.5	41.7	39.3	37.7	34.5	31.3	27.3	27.3
110°	27.3	29.7	34.5	36.1	36.1	34.5	32.9	29.7	25.7	23.3	23.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.5	24.9	28.9	31.3	31.3	30.5	28.1	24.9	21.7	20.1	20.1
115°	18.5	20.9	24.9	27.3	27.3	26.5	24.9	21.7	18.5	17.7	17.7
117.5°	16.1	17.7	20.9	23.3	24.1	23.3	21.7	18.5	16.1	16.1	16.1
120°	14.4	16.1	18.5	20.1	20.9	20.1	18.5	16.1	13.6	14.4	14.4
122.5°	12.8	13.6	16.1	18.5	18.5	18.5	16.9	13.6	12.0	12.8	12.8
125°	11.2	12.8	14.4	16.1	16.9	16.1	14.4	12.0	10.4	11.2	12.0
127.5°	10.4	11.2	12.8	14.4	14.4	14.4	12.8	10.4	9.6	10.4	10.4
130°	9.6	10.4	11.2	12.8	12.8	12.8	11.2	8.8	8.8	9.6	9.6
132.5°	8.8	9.6	10.4	11.2	11.2	11.2	9.6	8.0	7.2	8.8	8.8
135°	8.0	8.0	8.8	9.6	9.6	9.6	8.0	6.4	6.4	8.0	8.0
137.5°	6.4	7.2	8.0	8.0	8.0	8.0	6.4	5.6	5.6	6.4	6.4
140°	5.6	5.6	6.4	6.4	6.4	6.4	5.6	4.0	4.8	5.6	5.6
142.5°	4.8	4.8	5.6	5.6	5.6	4.8	4.0	3.2	4.0	4.8	4.8
145°	3.2	4.0	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.0	4.0
147.5°	3.2	3.2	3.2	3.2	3.2	2.4	1.6	1.6	2.4	3.2	3.2
150°	2.4	2.4	3.2	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4
152.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	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)