

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: P414029

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6910 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

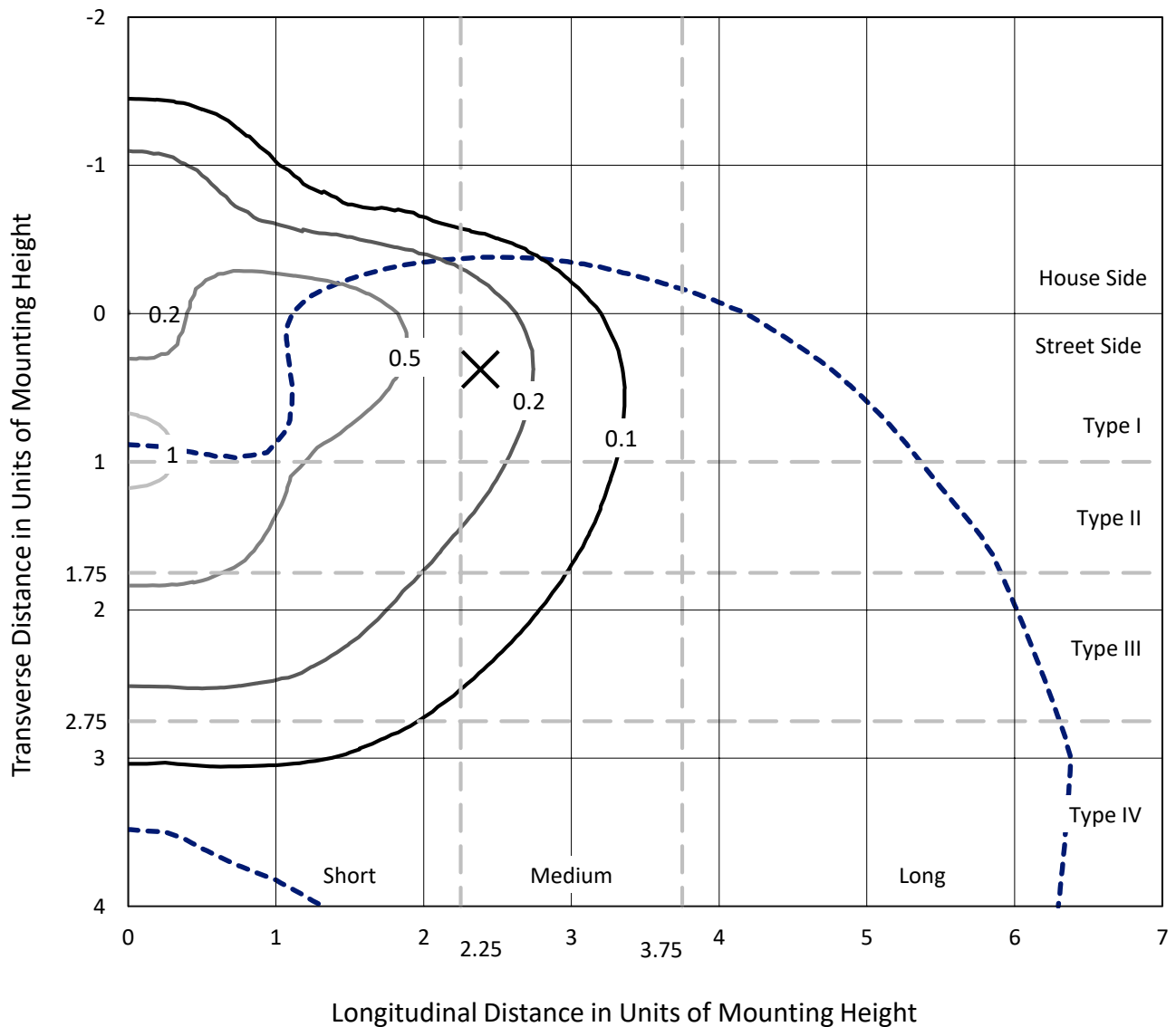
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

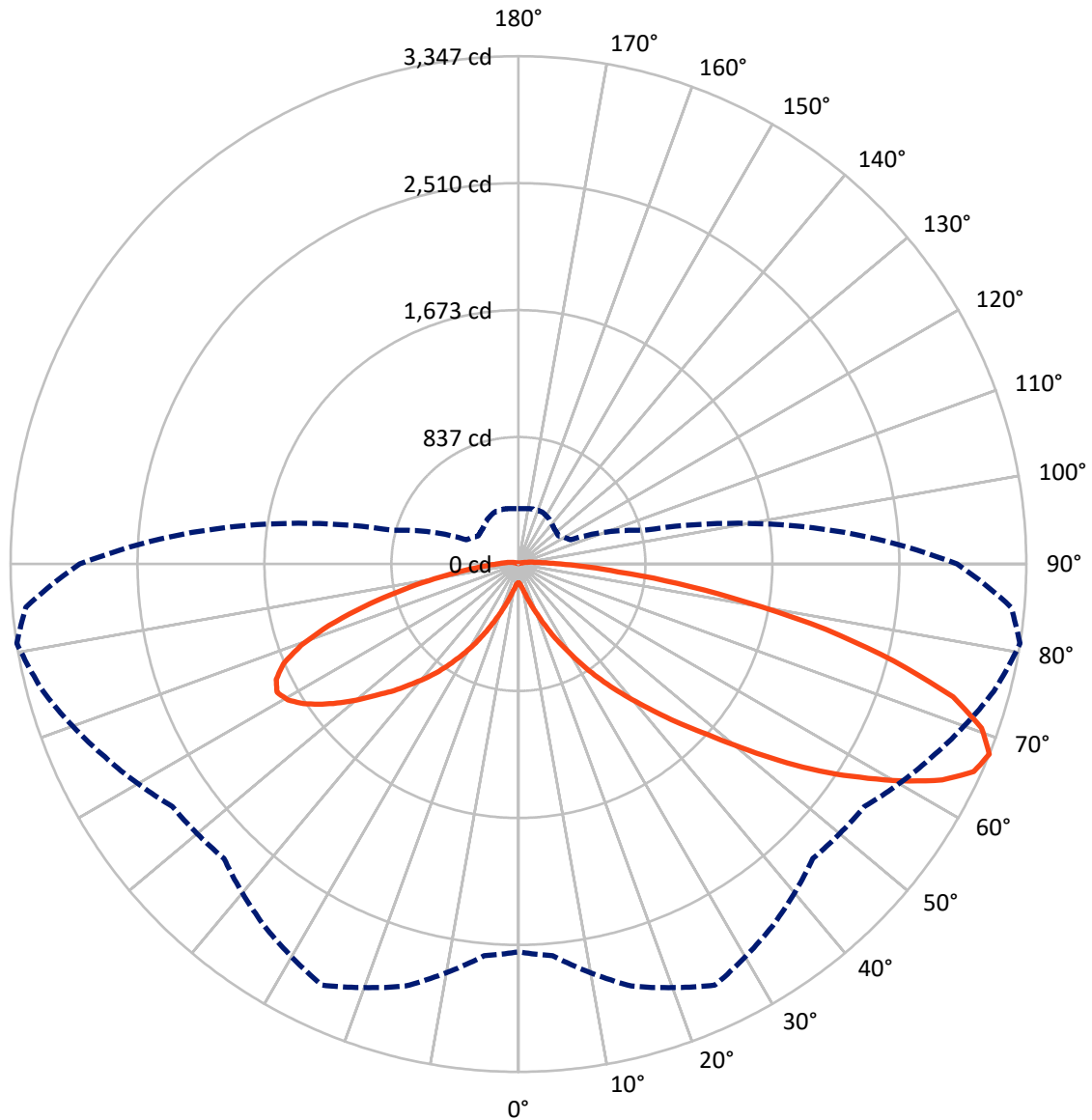
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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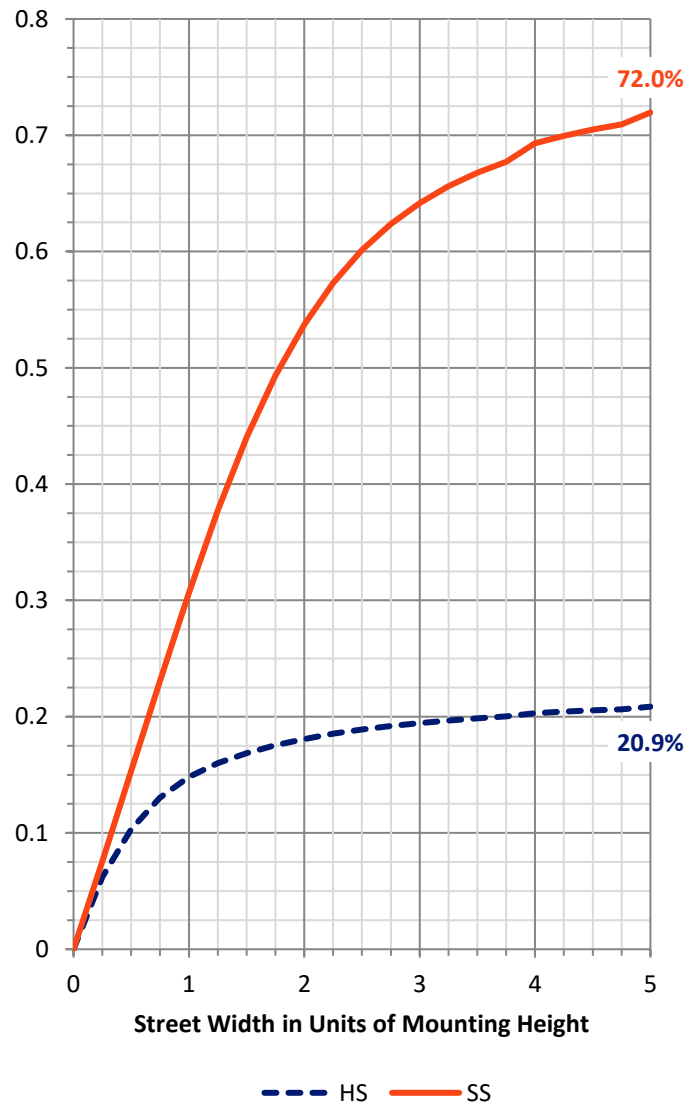
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1512.6	107.6	1620.2
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5154.6	135.2	5289.8
	% Fixture	74.6	2.0	76.6
Total	Lumens	6667.2	242.8	6910.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.2
10°-20°	71.3	1.0
20°-30°	212.8	3.1
30°-40°	461.9	6.7
40°-50°	810.0	11.7
50°-60°	1283.7	18.6
60°-70°	1732.2	25.1
70°-80°	1486.3	21.5
80°-90°	594.6	8.6
90°-100°	144.7	2.1
100°-110°	50.8	0.7
110°-120°	23.3	0.3
120°-130°	12.5	0.2
130°-140°	7.0	0.1
140°-150°	3.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6667.2	96.5
0°-180°	6910.0	100.0



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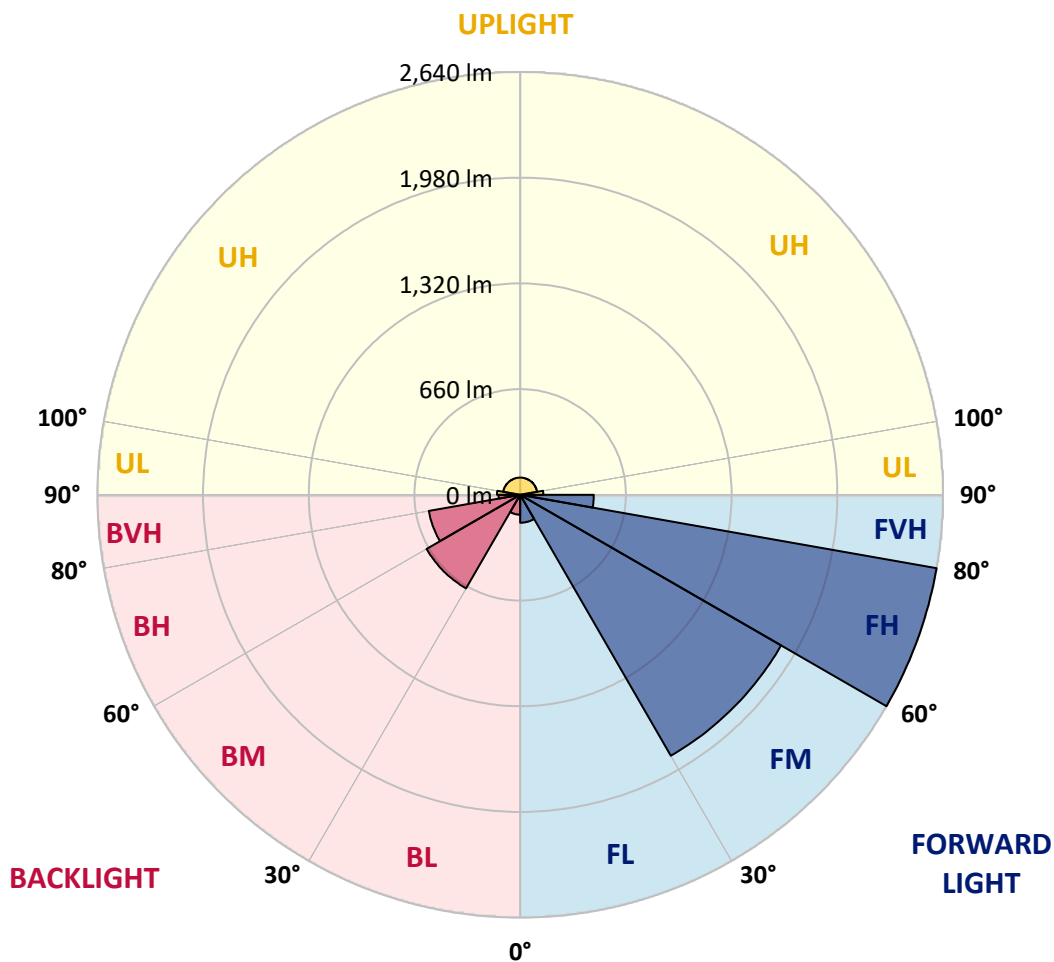
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.3	2.5			
FM (30°-60°)	1880.8	27.2			
FH (60°-80°)	2639.8	38.2			G2/5000
FVH (80°-90°)	459.6	6.7			G3/500
BL (0°-30°)	124.1	1.8	B1/500		
BM (30°-60°)	674.8	9.8	B1/1000		
BH (60°-80°)	578.7	8.4	B2/1000		G2/1000
BVH (80°-90°)	135.0	2.0			G2/225
UL (90°-100°)	144.7	2.1		U3/500	
UH (100°-180°)	107.6	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
2.5°	135.6	134.8	134.8	135.6	135.6	135.6	133.2	130.8	128.4	127.6	126.8
5°	154.1	152.5	152.5	152.5	151.7	149.3	146.1	142.9	139.6	138.0	136.4
7.5°	178.2	177.4	176.6	174.1	173.3	169.3	164.5	159.7	154.9	153.3	151.7
10°	211.1	210.3	206.3	205.4	201.4	197.4	190.2	183.0	176.6	174.1	171.7
12.5°	252.8	252.8	247.2	240.8	235.9	227.9	221.5	212.7	207.9	204.6	201.4
15°	307.4	304.2	296.9	289.7	276.9	267.2	257.6	252.8	249.6	245.6	240.8
17.5°	367.6	363.5	357.1	342.7	325.8	312.2	303.4	298.5	296.9	294.5	288.9
20°	439.8	435.0	426.1	403.7	385.2	366.8	356.3	353.9	355.5	351.5	345.9
22.5°	525.7	522.4	504.0	475.9	450.2	424.5	414.9	416.5	419.7	425.3	422.1
25°	623.6	615.5	597.9	557.8	515.2	490.3	480.7	487.9	502.4	510.4	504.0
27.5°	737.5	732.7	697.4	645.2	589.9	556.2	548.9	569.8	594.7	601.1	601.1
30°	857.9	861.1	809.8	748.0	678.1	631.6	622.8	652.5	695.0	699.0	709.4
32.5°	1010.4	1004.8	951.0	849.9	767.2	707.0	701.4	743.1	796.9	817.8	817.8
35°	1170.1	1164.5	1098.7	979.1	864.3	786.5	790.5	834.6	907.7	934.1	938.2
37.5°	1353.9	1335.4	1264.0	1115.5	970.3	878.8	871.5	938.2	1024.0	1061.7	1061.7
40°	1556.1	1545.7	1446.2	1270.4	1078.6	974.3	968.7	1045.7	1150.0	1191.8	1199.8
42.5°	1752.7	1739.1	1646.8	1420.5	1203.8	1075.4	1076.2	1160.5	1280.0	1337.8	1348.3
45°	1960.6	1947.7	1846.6	1605.1	1339.4	1200.6	1191.0	1296.1	1438.9	1503.1	1515.2
47.5°	2145.2	2136.3	2048.9	1788.8	1508.0	1334.6	1321.8	1443.0	1608.3	1679.7	1715.8
50°	2345.8	2334.6	2252.7	1984.7	1675.7	1477.5	1476.7	1606.7	1813.7	1900.4	1930.1
52.5°	2508.7	2495.9	2438.9	2181.3	1841.8	1644.4	1630.7	1790.4	2026.4	2150.8	2165.2
55°	2658.8	2654.0	2634.7	2392.3	2044.0	1808.1	1816.9	2006.3	2268.8	2409.2	2430.9
57.5°	2767.1	2773.5	2782.4	2604.2	2242.3	1991.1	2007.1	2223.0	2520.8	2651.6	2681.3
60°	2841.0	2863.4	2922.0	2788.8	2444.5	2190.9	2218.2	2437.3	2763.1	2902.8	2926.8
62.5°	2846.6	2870.7	3007.1	2961.3	2638.7	2395.6	2426.9	2658.0	2979.8	3134.7	3137.1
65°	2739.8	2772.7	2991.0	3054.4	2809.7	2591.4	2619.5	2854.6	3161.2	3298.4	3248.6
67.5°	2556.1	2590.6	2879.5	3062.5	2915.6	2743.9	2784.0	3007.1	3243.0	3346.6	3258.3
70°	2289.6	2323.3	2627.5	2941.3	2934.9	2833.7	2886.7	3069.7	3227.8	3238.2	3113.8
72.5°	1939.7	1936.5	2264.7	2676.4	2828.1	2826.5	2910.8	3022.3	3053.6	2995.0	2810.5
75°	1485.5	1527.2	1826.6	2293.6	2585.0	2698.9	2784.0	2826.5	2736.6	2555.3	2355.4
77.5°	1064.2	1098.7	1370.7	1808.1	2223.8	2434.1	2528.0	2507.9	2284.8	2072.1	1842.6
80°	704.6	724.7	951.8	1349.9	1792.9	2036.8	2150.0	2072.9	1789.6	1517.6	1319.4
82.5°	422.9	455.8	598.7	948.6	1329.8	1609.9	1678.9	1550.5	1277.6	1056.1	910.9
85°	256.0	263.2	372.4	606.7	928.5	1158.1	1223.9	1085.8	840.3	659.7	547.3
87.5°	143.7	156.5	230.3	394.8	624.4	804.1	827.4	715.1	527.3	409.3	342.7
90°	84.3	93.1	141.2	244.8	398.1	520.0	526.5	432.6	312.2	246.4	219.1
92.5°	53.8	60.2	93.9	157.3	256.0	337.9	329.0	267.2	199.8	164.5	142.0
95°	38.5	41.7	65.8	108.3	171.7	212.7	209.5	167.7	134.0	114.8	104.3
97.5°	28.9	32.1	51.4	79.5	115.6	142.9	139.6	111.6	93.1	84.3	80.3
100°	24.1	25.7	41.7	62.6	85.9	102.7	101.1	82.7	69.8	63.4	61.8
102.5°	20.9	22.5	34.5	50.6	68.2	79.5	76.2	64.2	53.0	47.3	45.7
105°	18.5	19.3	29.7	43.3	56.2	62.6	61.8	51.4	40.9	35.3	34.5
107.5°	16.9	17.7	25.7	36.9	47.3	53.0	51.4	41.7	31.3	27.3	26.5
110°	15.2	16.1	22.5	32.1	40.1	44.9	42.5	34.5	24.9	20.9	20.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	14.4	14.4	20.1	27.3	34.5	38.5	36.1	28.1	19.3	16.9	17.7
115°	13.6	13.6	17.7	24.1	30.5	33.7	30.5	23.3	16.1	14.4	14.4
117.5°	12.8	12.8	16.1	21.7	27.3	29.7	26.5	20.1	13.6	12.0	12.8
120°	12.0	12.8	15.2	19.3	24.1	25.7	23.3	16.9	11.2	11.2	12.0
122.5°	12.0	12.0	14.4	17.7	21.7	22.5	20.1	14.4	10.4	10.4	10.4
125°	12.0	12.0	13.6	16.1	19.3	20.1	16.9	12.0	9.6	9.6	9.6
127.5°	12.0	12.0	12.8	15.2	16.9	17.7	15.2	11.2	8.8	8.8	9.6
130°	11.2	12.0	12.0	13.6	15.2	15.2	12.8	9.6	8.0	8.0	8.8
132.5°	11.2	11.2	12.0	12.8	13.6	13.6	11.2	8.8	7.2	8.0	8.0
135°	11.2	11.2	11.2	12.0	12.8	12.0	9.6	7.2	6.4	7.2	7.2
137.5°	10.4	10.4	10.4	11.2	11.2	10.4	8.8	6.4	6.4	6.4	6.4
140°	9.6	9.6	9.6	9.6	10.4	9.6	7.2	5.6	5.6	5.6	5.6
142.5°	8.8	8.8	8.8	8.8	8.8	8.0	6.4	4.8	4.8	4.8	4.8
145°	8.0	8.0	8.0	8.0	7.2	6.4	4.8	4.0	4.0	4.8	4.8
147.5°	6.4	6.4	6.4	6.4	6.4	5.6	4.0	3.2	4.0	4.0	4.0
150°	5.6	5.6	5.6	5.6	4.8	4.8	3.2	3.2	3.2	4.0	4.0
152.5°	4.0	4.0	4.0	4.8	4.0	3.2	2.4	2.4	3.2	3.2	3.2
155°	3.2	3.2	3.2	3.2	3.2	2.4	1.6	2.4	3.2	3.2	3.2
157.5°	1.6	2.4	2.4	2.4	2.4	2.4	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	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°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
2.5°	126.8	126.0	125.2	124.4	123.6	123.6	122.8	122.0	121.2	120.4	120.4
5°	135.6	134.0	131.6	130.0	128.4	128.4	126.8	126.0	124.4	123.6	123.6
7.5°	149.3	148.5	143.7	141.2	138.8	138.0	136.4	134.8	133.2	133.2	133.2
10°	169.3	166.9	162.9	156.5	154.1	152.5	150.1	148.5	148.5	149.3	149.3
12.5°	199.8	193.4	187.8	179.0	174.1	170.9	169.3	170.1	174.1	175.8	174.1
15°	235.1	233.5	219.9	207.1	197.4	191.0	195.0	199.8	205.4	207.1	209.5
17.5°	284.1	278.5	260.0	241.6	223.9	220.7	225.5	233.5	240.0	244.8	248.8
20°	342.7	333.1	310.6	278.5	258.4	253.6	256.8	268.0	280.1	289.7	290.5
22.5°	416.5	402.1	361.9	321.8	292.1	284.1	288.1	305.8	323.4	335.5	334.7
25°	496.8	479.1	425.3	367.6	326.6	312.2	319.4	342.7	367.6	382.0	383.6
27.5°	586.7	569.0	494.4	411.7	357.9	336.3	348.3	374.8	408.5	426.1	429.4
30°	692.6	668.5	563.4	459.0	386.8	358.7	370.0	404.5	441.4	466.3	469.5
32.5°	802.5	764.8	632.4	497.6	406.9	373.2	386.0	426.1	468.7	496.0	500.8
35°	916.5	869.9	702.2	530.5	421.3	382.0	394.8	439.8	484.7	514.4	518.4
37.5°	1044.9	983.1	765.6	555.4	429.4	384.4	397.3	442.2	487.9	516.8	520.8
40°	1174.1	1091.4	818.6	570.6	430.2	382.0	392.4	435.8	479.1	504.0	508.0
42.5°	1312.9	1205.4	871.5	574.6	426.1	375.6	384.4	422.9	459.9	479.1	481.5
45°	1468.6	1337.0	916.5	571.4	414.9	366.0	372.4	405.3	434.2	443.0	447.0
47.5°	1633.2	1467.0	951.0	561.8	403.7	355.5	359.5	386.8	405.3	406.1	406.9
50°	1833.8	1625.1	993.5	548.1	388.4	345.9	348.3	370.0	378.8	374.8	373.2
52.5°	2053.7	1794.5	1020.8	526.5	374.8	337.1	339.5	356.3	359.5	350.7	351.5
55°	2292.8	1952.6	1044.1	505.6	360.3	331.4	336.3	349.9	349.9	338.7	337.9
57.5°	2515.9	2113.9	1054.5	479.1	348.3	327.4	335.5	349.1	347.5	337.1	336.3
60°	2731.8	2245.5	1041.7	453.4	340.3	325.8	340.3	354.7	353.1	344.3	343.5
62.5°	2881.1	2328.1	1009.6	427.7	333.1	328.2	345.9	362.7	362.7	353.1	353.1
65°	2945.3	2318.5	943.8	402.1	327.4	329.8	353.9	371.6	370.0	361.9	360.3
67.5°	2891.5	2231.0	855.5	377.2	322.6	331.4	357.9	376.4	374.8	366.0	364.3
70°	2719.0	2047.3	748.8	354.7	316.2	329.0	359.5	375.6	373.2	365.2	361.9
72.5°	2375.5	1761.6	637.2	333.1	306.6	323.4	354.7	369.2	366.8	360.3	356.3
75°	1956.6	1420.5	526.5	309.0	294.5	313.0	344.3	357.1	353.9	348.3	344.3
77.5°	1495.9	1073.0	435.0	286.5	280.1	299.3	329.8	339.5	336.3	331.4	329.0
80°	1058.5	764.0	349.9	261.6	259.2	278.5	304.2	314.6	313.0	308.2	304.2
82.5°	696.6	508.0	279.3	233.5	235.1	255.2	274.5	280.1	279.3	275.3	270.5
85°	429.4	334.7	219.9	201.4	208.7	224.7	240.8	241.6	239.2	238.4	231.1
87.5°	273.7	228.7	172.5	170.9	181.4	195.0	202.2	199.0	200.6	200.6	195.0
90°	178.2	160.5	138.0	142.9	154.1	164.5	167.7	158.9	163.7	161.3	158.9
92.5°	129.2	119.6	112.4	118.8	130.0	139.6	138.0	128.4	130.8	130.8	130.0
95°	97.9	93.1	93.9	100.3	109.1	115.6	112.4	104.3	105.1	103.5	101.1
97.5°	77.0	76.2	79.5	84.3	92.3	96.3	93.1	85.9	85.1	82.7	81.9
100°	61.0	61.8	66.6	72.2	77.0	80.3	77.8	70.6	67.4	63.4	62.6
102.5°	47.3	49.0	55.4	60.2	65.0	67.4	65.0	59.4	53.8	49.8	49.0
105°	36.9	38.5	45.7	50.6	54.6	56.2	54.6	48.2	42.5	37.7	37.7
107.5°	28.9	30.5	37.7	43.3	45.7	47.3	44.9	40.1	33.7	29.7	29.7
110°	23.3	24.9	31.3	36.1	38.5	40.1	37.7	32.1	27.3	24.1	24.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	20.9	25.7	30.5	32.9	33.7	31.3	27.3	21.7	20.1	20.1
115°	16.1	17.7	21.7	25.7	28.1	28.1	26.5	22.5	17.7	16.9	16.9
117.5°	13.6	15.2	18.5	22.5	24.1	24.1	22.5	18.5	15.2	14.4	14.4
120°	12.8	13.6	16.1	19.3	20.9	20.9	19.3	16.1	12.8	12.8	12.8
122.5°	11.2	12.0	14.4	16.9	18.5	18.5	16.9	13.6	11.2	12.0	12.0
125°	10.4	11.2	12.8	14.4	16.1	16.1	14.4	12.0	10.4	10.4	10.4
127.5°	9.6	10.4	11.2	12.8	13.6	13.6	12.8	10.4	9.6	9.6	9.6
130°	8.8	9.6	10.4	11.2	12.0	12.0	10.4	8.8	8.8	8.8	8.8
132.5°	8.8	8.8	8.8	9.6	10.4	10.4	9.6	8.0	8.0	8.0	8.0
135°	8.0	8.0	8.0	8.0	8.8	8.8	8.0	7.2	7.2	7.2	7.2
137.5°	7.2	7.2	7.2	7.2	8.0	8.0	7.2	6.4	6.4	6.4	6.4
140°	6.4	6.4	6.4	5.6	6.4	6.4	5.6	5.6	5.6	5.6	5.6
142.5°	4.8	5.6	4.8	4.8	4.8	4.8	4.8	4.0	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.0	4.0	4.0	4.0	3.2	4.0	4.0	4.0
147.5°	4.0	4.0	4.0	3.2	2.4	3.2	2.4	3.2	3.2	3.2	3.2
150°	4.0	4.0	3.2	3.2	2.4	1.6	1.6	2.4	2.4	2.4	2.4
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
155°	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.4	2.4	2.4	1.6	0.8	0.8	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)