

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: P416484

Luminaire Tested: **LXF.LXT-PA1-70-827-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5892 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

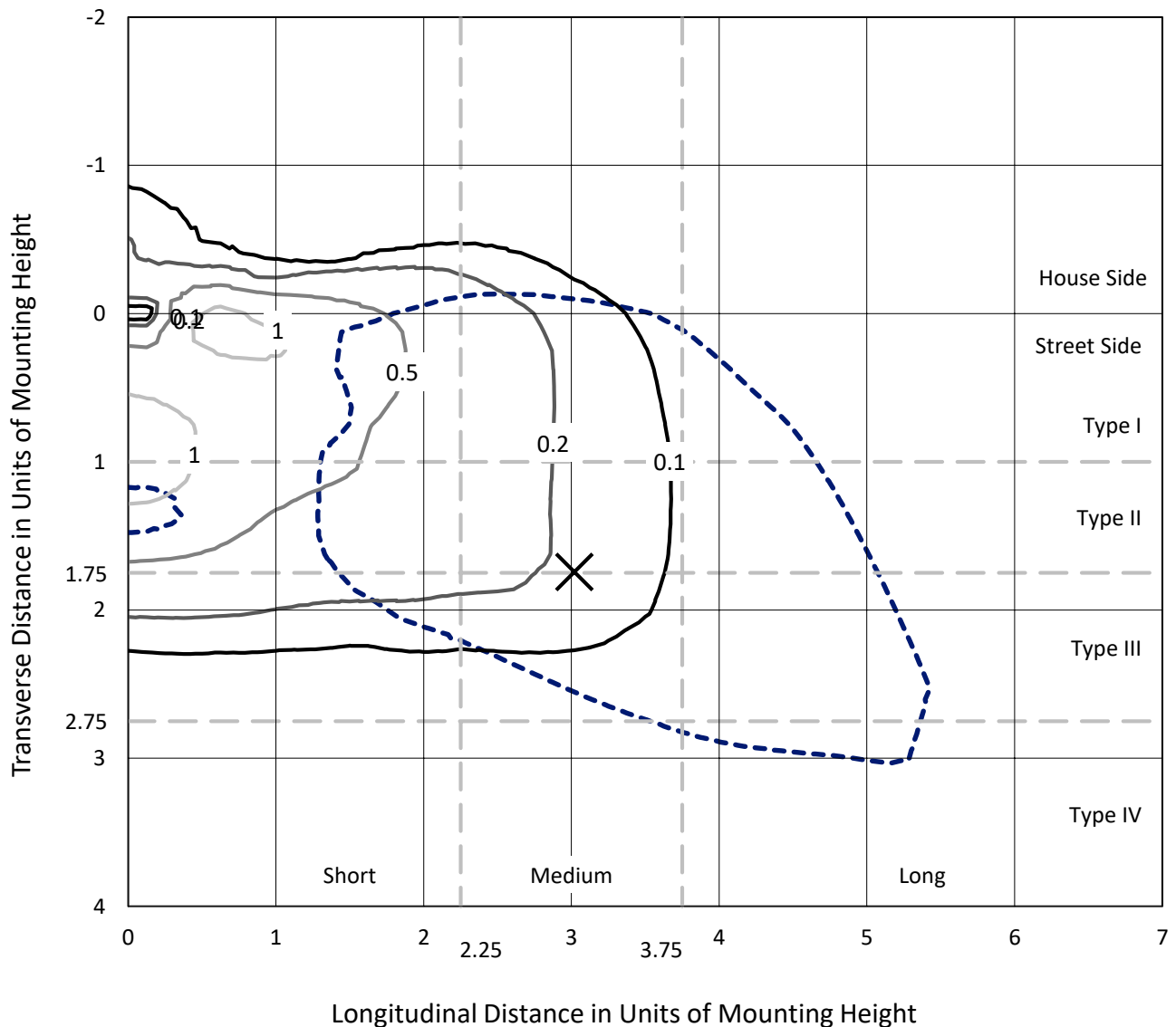
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

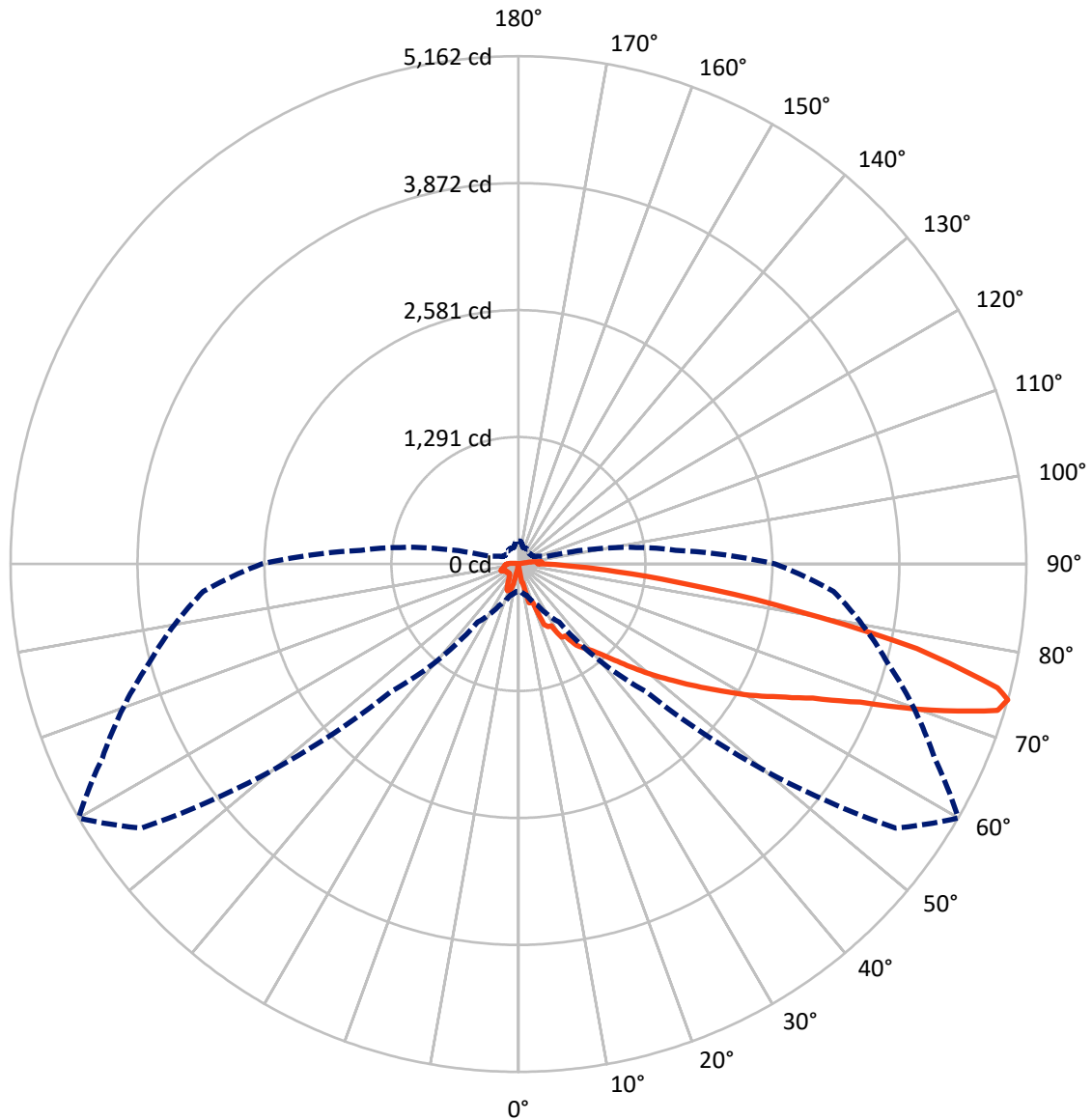
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.2	57.3	961.5
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	4869.1	61.4	4930.5
	% Fixture	82.6	1.0	83.7
Total	Lumens	5773.4	118.7	5892.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	75.3	1.3
20°-30°	227.8	3.9
30°-40°	456.1	7.7
40°-50°	782.4	13.3
50°-60°	1192.7	20.2
60°-70°	1469.5	24.9
70°-80°	1228.5	20.9
80°-90°	334.6	5.7
90°-100°	86.4	1.5
100°-110°	15.5	0.3
110°-120°	5.7	0.1
120°-130°	4.4	0.1
130°-140°	3.0	0.1
140°-150°	2.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5773.4	98.0
0°-180°	5892.0	100.0

Coefficient of Utilization



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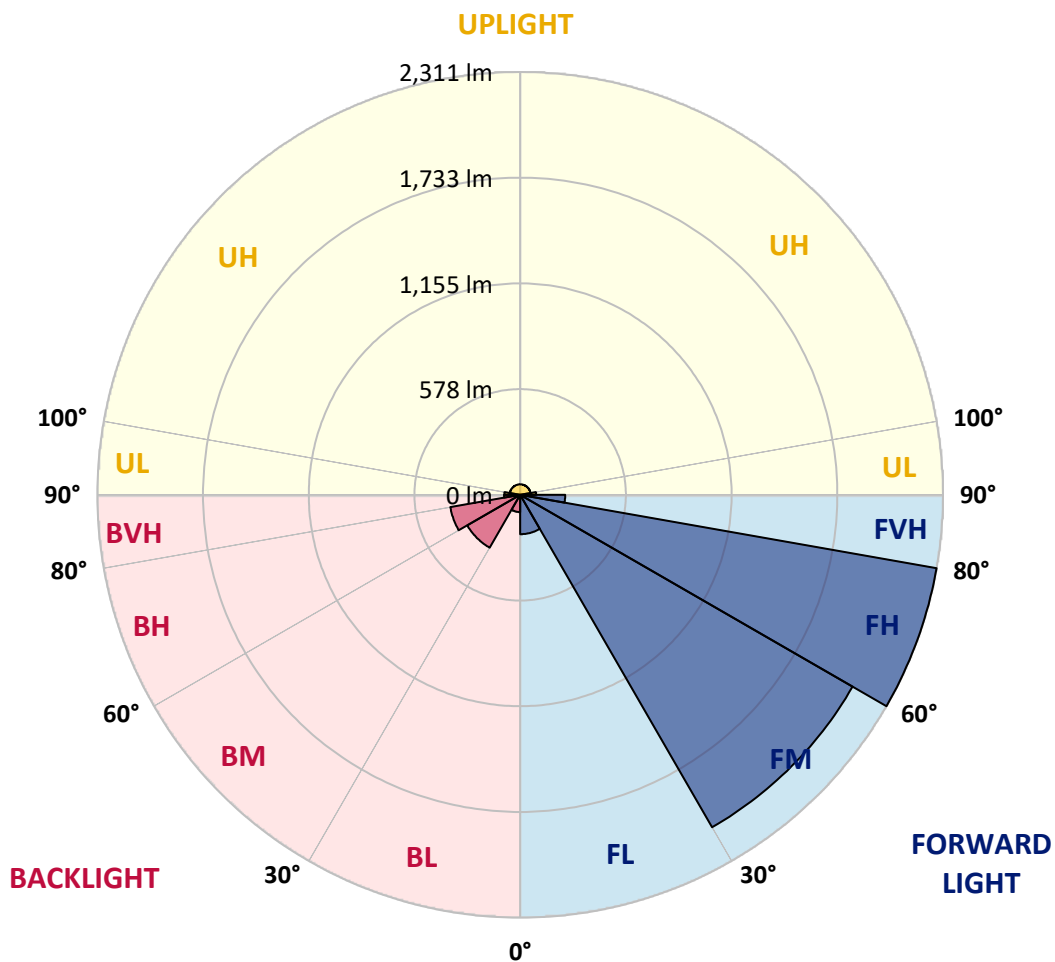
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.2	3.7			
FM	(30°-60°)	2097.5	35.6			
FH	(60°-80°)	2310.5	39.2			G2/5000
FVH	(80°-90°)	245.9	4.2			G3/500
BL	(0°-30°)	94.5	1.6	B0/110		
BM	(30°-60°)	333.6	5.7	B1/1000		
BH	(60°-80°)	387.5	6.6	B1/500		G1/500
BVH	(80°-90°)	88.6	1.5			G1/100
UL	(90°-100°)	86.4	1.5		U3/500	
UH	(100°-180°)	57.3	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	7.4	6.7	6.1	6.7	7.4	6.7	5.4	4.7	4.0	4.0	4.0
5°	196.4	193.7	192.4	150.0	35.6	22.2	8.7	6.1	5.4	4.0	4.0
7.5°	199.1	196.4	197.1	196.4	193.0	193.0	62.6	22.9	12.8	4.7	4.7
10°	209.8	205.8	200.4	199.8	198.4	196.4	193.0	189.0	43.0	7.4	6.7
12.5°	387.4	385.4	382.7	295.3	213.9	199.1	197.1	192.4	148.0	28.2	130.5
15°	384.7	384.1	379.3	381.4	380.7	216.6	245.5	409.6	393.5	285.2	328.9
17.5°	403.6	401.5	387.4	378.7	379.3	432.5	401.5	404.2	405.6	360.5	352.4
20°	547.5	544.1	542.8	527.3	385.4	507.8	517.9	419.7	429.8	559.6	625.5
22.5°	554.2	549.5	544.1	540.1	608.0	505.8	547.5	668.6	638.3	740.5	698.2
25°	748.6	735.8	682.7	552.9	607.4	582.5	708.2	704.9	667.2	772.8	746.6
27.5°	810.5	801.7	762.7	733.1	619.5	697.5	704.2	711.6	839.4	1066.1	993.4
30°	1085.6	1017.6	842.1	823.9	739.2	703.5	805.1	862.9	944.3	1070.8	1050.6
32.5°	1243.0	1210.0	1125.2	995.4	865.6	769.4	873.0	873.0	949.0	1294.1	1328.4
35°	1497.9	1391.6	1226.1	1138.0	987.4	920.8	899.9	1013.6	1121.9	1359.3	1357.3
37.5°	1590.0	1579.9	1518.0	1247.7	1160.9	1001.5	1049.2	1084.2	1175.7	1453.5	1449.4
40°	1640.5	1662.7	1667.4	1484.4	1289.4	1156.9	1140.0	1159.6	1247.7	1586.0	1534.9
42.5°	1811.3	1819.4	1844.3	1635.7	1481.7	1326.4	1279.3	1271.2	1332.4	1740.0	1647.9
45°	2087.1	2091.1	2072.9	1809.9	1638.4	1494.5	1442.0	1411.1	1464.9	1892.7	1791.1
47.5°	2403.2	2412.6	2325.2	2007.0	1781.0	1656.6	1628.3	1580.6	1614.9	2030.6	1969.4
50°	2654.7	2652.0	2496.0	2166.4	1925.0	1822.7	1814.0	1769.6	1773.6	2198.0	2161.7
52.5°	2720.0	2715.9	2582.8	2284.1	2056.1	1995.6	2035.3	1966.7	1931.0	2371.6	2361.5
55°	2621.8	2629.2	2566.6	2333.2	2139.5	2147.6	2250.5	2191.3	2142.9	2535.7	2551.8
57.5°	2479.9	2471.1	2480.5	2352.1	2204.8	2296.2	2506.8	2432.8	2386.4	2721.3	2739.5
60°	2216.9	2204.8	2326.5	2331.9	2265.3	2464.4	2779.2	2707.2	2641.9	2917.0	2897.5
62.5°	1816.7	1801.2	2021.1	2208.1	2334.6	2661.5	3048.2	2970.2	2906.9	3124.9	3087.9
65°	1209.3	1282.6	1540.2	1937.7	2309.0	2945.3	3404.0	3287.0	3172.0	3338.1	3331.4
67.5°	701.5	754.0	943.0	1378.1	2098.5	3188.1	3968.3	3746.3	3547.9	3579.5	3564.1
70°	435.2	451.3	533.4	795.0	1479.0	3108.1	4593.8	4450.6	4030.2	3848.6	3600.4
72.5°	337.6	348.4	395.5	519.2	899.3	2403.8	4891.1	5092.2	4517.1	3919.2	3421.5
74°	276.4	283.2	332.3	464.8	721.7	1832.8	4679.9	5162.2	4666.5	3884.9	3215.7
75°	218.6	225.3	280.5	445.9	686.0	1462.2	4367.2	5032.3	4671.2	3831.8	2967.5
77.5°	133.8	138.6	151.3	308.0	623.5	835.4	3222.4	4142.5	4139.8	3182.0	2128.1
80°	106.3	107.6	113.0	162.1	507.8	757.3	2040.6	2859.2	2838.3	1910.2	1090.3
82.5°	73.3	78.7	89.5	104.9	270.4	741.9	1286.7	1776.3	1532.2	727.1	456.0
85°	49.1	53.1	67.9	78.0	144.6	789.6	923.5	999.5	754.0	359.8	300.6
87.5°	20.2	20.9	30.9	37.7	58.5	378.7	621.5	495.0	347.1	228.0	244.8
90°	10.8	10.8	8.1	8.7	21.5	81.4	203.1	197.1	163.4	187.7	230.0
92.5°	12.1	12.1	8.1	8.7	20.9	63.9	219.9	224.6	187.7	199.8	246.2
95°	13.5	13.5	8.1	8.1	20.2	43.7	211.2	237.4	193.0	209.8	248.2
97.5°	14.8	15.5	7.4	7.4	16.1	33.0	132.5	162.1	125.8	109.0	119.0
100°	15.5	15.5	6.7	6.7	10.8	23.5	61.2	78.0	60.5	28.2	19.5
102.5°	15.5	16.1	6.7	6.1	7.4	14.8	19.5	28.2	22.2	16.8	18.2
105°	14.8	16.1	6.7	6.1	6.1	8.1	10.1	11.4	12.1	12.1	18.8
107.5°	11.4	12.8	5.4	6.1	5.4	5.4	4.0	4.7	6.1	10.8	18.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.1	8.1	4.0	5.4	4.7	5.4	3.4	4.0	5.4	8.1	15.5
112.5°	4.0	3.4	2.7	4.0	4.0	4.7	3.4	3.4	4.7	6.7	10.8
115°	2.7	3.4	2.0	2.7	3.4	3.4	2.7	3.4	4.0	6.7	11.4
117.5°	2.7	2.7	2.0	2.7	3.4	2.7	2.7	3.4	4.0	6.7	11.4
120°	3.4	2.7	2.0	2.7	2.7	2.0	2.7	3.4	3.4	6.7	11.4
122.5°	3.4	3.4	2.7	2.7	2.7	2.0	2.7	2.7	3.4	6.7	10.8
125°	4.0	3.4	2.7	2.7	2.7	2.0	2.7	2.7	3.4	6.1	10.1
127.5°	4.0	4.0	2.7	2.7	3.4	2.0	2.7	2.7	3.4	5.4	9.4
130°	4.0	4.0	3.4	2.7	3.4	2.7	2.7	2.7	3.4	4.7	8.1
132.5°	4.0	4.0	3.4	3.4	3.4	2.7	2.7	2.7	2.7	4.0	6.7
135°	4.7	4.0	3.4	3.4	4.0	2.7	2.7	2.7	2.7	3.4	4.7
137.5°	4.7	4.7	4.0	4.0	4.7	3.4	2.7	3.4	3.4	3.4	4.0
140°	5.4	5.4	5.4	4.7	4.7	3.4	3.4	3.4	3.4	4.0	4.0
142.5°	6.7	6.1	6.1	5.4	4.7	3.4	3.4	3.4	4.0	4.0	4.0
145°	7.4	7.4	6.7	6.1	4.7	3.4	3.4	4.0	4.0	4.7	4.7
147.5°	7.4	7.4	6.7	5.4	4.0	2.7	3.4	4.0	4.0	4.7	5.4
150°	7.4	6.7	6.1	4.7	3.4	2.0	2.7	3.4	4.0	4.7	5.4
152.5°	5.4	5.4	4.7	3.4	2.7	1.3	2.0	2.7	3.4	4.0	4.7
155°	3.4	3.4	2.7	2.0	2.0	1.3	2.0	2.7	2.7	3.4	4.0
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.7	2.7
160°	0.7	0.7	1.3	0.7	1.3	1.3	1.3	2.0	2.0	2.0	2.0
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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	4.0	4.0	4.0	3.4	3.4	2.0	2.7	2.7	3.4	4.0	4.7
5°	4.0	4.7	4.0	3.4	3.4	2.7	3.4	3.4	3.4	4.7	4.7
7.5°	4.7	4.7	4.0	4.0	3.4	2.7	4.7	145.3	166.8	172.2	173.5
10°	6.1	6.1	5.4	4.7	4.0	156.7	172.9	172.9	171.5	172.9	172.9
12.5°	133.8	143.9	22.9	11.4	129.1	162.8	158.7	156.0	153.4	150.7	149.3
15°	325.5	315.4	289.2	217.2	200.4	149.3	137.2	190.3	203.1	206.5	205.8
17.5°	343.7	327.6	287.9	302.0	265.0	191.0	172.2	170.8	163.4	163.4	164.1
20°	646.4	609.4	392.8	294.6	230.0	231.4	147.3	131.2	137.2	146.0	151.3
22.5°	663.8	615.4	459.4	383.4	207.2	187.0	143.9	127.1	171.5	189.0	190.3
25°	708.2	630.9	465.4	322.8	234.1	153.4	143.3	132.5	157.4	173.5	172.2
27.5°	959.1	850.8	591.2	297.3	185.0	144.6	135.2	127.1	156.7	182.9	182.3
30°	957.8	838.7	546.1	273.7	152.7	134.5	123.1	138.6	146.0	156.0	156.7
32.5°	1243.6	1066.1	597.3	227.3	135.2	116.4	121.7	126.4	132.5	158.1	163.4
35°	1249.7	1042.5	518.6	208.5	124.4	111.0	114.3	125.1	137.9	154.0	155.4
37.5°	1273.9	1030.4	430.5	172.2	127.8	112.3	119.0	131.2	127.8	150.0	152.7
40°	1318.3	1033.8	361.9	154.0	125.8	112.3	124.4	126.4	127.1	138.6	139.9
42.5°	1386.9	1051.9	304.0	146.0	123.8	121.7	120.4	121.1	116.4	139.2	141.9
45°	1484.4	1089.6	259.6	143.3	123.8	141.9	125.8	121.1	111.0	160.1	171.5
47.5°	1628.3	1163.6	233.4	143.9	124.4	135.9	124.4	117.7	115.7	187.0	195.1
50°	1791.1	1248.3	215.9	146.6	124.4	133.8	122.4	121.1	128.5	189.7	191.7
52.5°	1966.0	1361.3	209.8	149.3	133.8	135.9	139.2	138.6	123.8	152.0	152.0
55°	2143.6	1478.4	211.9	152.7	141.2	139.2	148.6	131.2	106.3	113.0	111.7
57.5°	2311.0	1614.9	226.0	150.7	136.5	137.9	150.0	123.1	106.3	113.0	115.7
60°	2492.6	1762.9	265.0	145.3	134.5	133.8	148.0	129.8	106.3	129.8	130.5
62.5°	2713.9	1966.7	349.7	150.7	145.3	137.9	148.6	143.3	121.7	124.4	127.1
65°	2975.6	2177.2	430.5	171.5	153.4	138.6	146.6	150.7	137.9	133.2	132.5
67.5°	3167.2	2229.0	433.8	199.1	164.1	146.0	148.0	164.1	150.7	153.4	152.0
70°	3118.8	2087.7	376.0	210.5	170.8	152.0	152.0	170.2	158.7	182.3	182.9
72.5°	2882.1	1812.6	317.5	195.1	162.1	154.0	168.8	176.2	168.8	219.3	216.6
74°	2610.3	1605.5	291.9	177.6	158.7	153.4	173.5	176.2	174.2	234.1	232.0
75°	2401.8	1442.7	277.8	167.5	156.7	151.3	174.9	176.9	176.2	236.1	235.4
77.5°	1660.0	974.6	242.8	149.3	153.4	151.3	174.2	180.9	185.6	234.7	232.7
80°	851.5	533.4	202.5	141.2	152.0	155.4	172.2	174.9	182.3	222.0	219.9
82.5°	427.1	307.4	148.6	129.8	154.0	168.8	172.9	169.5	171.5	204.5	201.1
85°	275.1	212.5	98.9	109.0	156.7	182.9	172.2	158.1	160.7	178.2	176.9
87.5°	221.3	157.4	60.5	84.7	166.8	167.5	157.4	139.9	136.5	139.9	137.9
90°	204.5	146.0	51.1	80.0	161.4	139.9	128.5	114.3	102.2	102.9	98.9
92.5°	219.9	152.7	54.5	79.4	128.5	98.2	94.2	86.8	72.0	63.9	59.9
95°	216.6	146.6	55.2	67.3	94.2	55.8	66.6	61.2	44.4	33.6	31.6
97.5°	104.3	74.0	49.1	52.5	55.2	42.4	56.5	51.8	32.3	20.9	19.5
100°	19.5	27.6	43.7	49.8	43.7	33.0	44.4	39.7	17.5	10.8	10.1
102.5°	18.8	15.5	33.0	45.1	27.6	18.8	24.2	22.2	11.4	8.1	8.1
105°	19.5	15.5	15.5	30.9	16.8	8.7	7.4	10.8	8.1	8.1	8.7
107.5°	20.2	15.5	9.4	10.1	8.1	6.7	5.4	5.4	6.1	8.7	9.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.1	13.5	8.7	8.1	7.4	6.7	5.4	4.7	6.1	9.4	10.1
112.5°	11.4	10.8	8.1	6.7	6.1	6.1	4.7	4.0	6.1	10.1	10.8
115°	11.4	10.8	6.7	6.1	4.7	5.4	4.7	4.0	6.1	11.4	12.1
117.5°	12.1	10.1	6.7	5.4	4.0	4.0	4.0	4.0	6.7	11.4	12.1
120°	12.1	10.1	6.7	4.7	4.0	3.4	4.0	4.0	6.7	11.4	12.8
122.5°	11.4	10.1	6.1	4.7	4.0	3.4	3.4	3.4	6.1	11.4	12.1
125°	10.8	9.4	6.1	4.7	4.0	2.7	3.4	3.4	6.1	10.8	12.1
127.5°	10.1	8.7	6.1	4.7	3.4	2.7	3.4	3.4	6.1	10.1	11.4
130°	8.7	8.1	5.4	4.0	3.4	2.7	3.4	3.4	6.1	9.4	10.8
132.5°	7.4	6.7	4.7	4.0	3.4	2.7	3.4	2.7	4.7	8.7	9.4
135°	5.4	5.4	4.7	3.4	3.4	2.0	2.7	2.7	4.0	6.7	7.4
137.5°	4.7	4.7	4.0	3.4	3.4	2.0	2.7	2.0	3.4	5.4	6.1
140°	4.7	4.7	4.0	3.4	2.7	2.0	2.0	2.0	2.7	4.7	4.7
142.5°	4.7	4.7	4.0	3.4	2.7	2.0	2.0	2.0	2.7	4.0	4.7
145°	4.7	4.7	4.7	4.0	2.7	2.0	2.0	2.0	2.7	4.0	4.0
147.5°	5.4	5.4	4.7	3.4	2.7	1.3	1.3	2.0	2.7	4.0	4.0
150°	5.4	5.4	4.7	3.4	2.7	1.3	0.7	1.3	2.0	3.4	4.0
152.5°	4.7	4.7	4.0	3.4	2.0	1.3	0.7	1.3	2.0	3.4	3.4
155°	4.0	4.0	3.4	2.7	2.0	0.7	0.0	0.7	1.3	2.7	2.7
157.5°	2.7	3.4	2.7	2.0	1.3	0.7	0.0	0.7	0.7	2.0	2.0
160°	2.7	2.7	2.7	2.0	1.3	0.7	0.0	0.0	0.7	1.3	1.3
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)