

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: P416719

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8216 lumens
Efficiency: N/A
Efficacy: 99.0 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

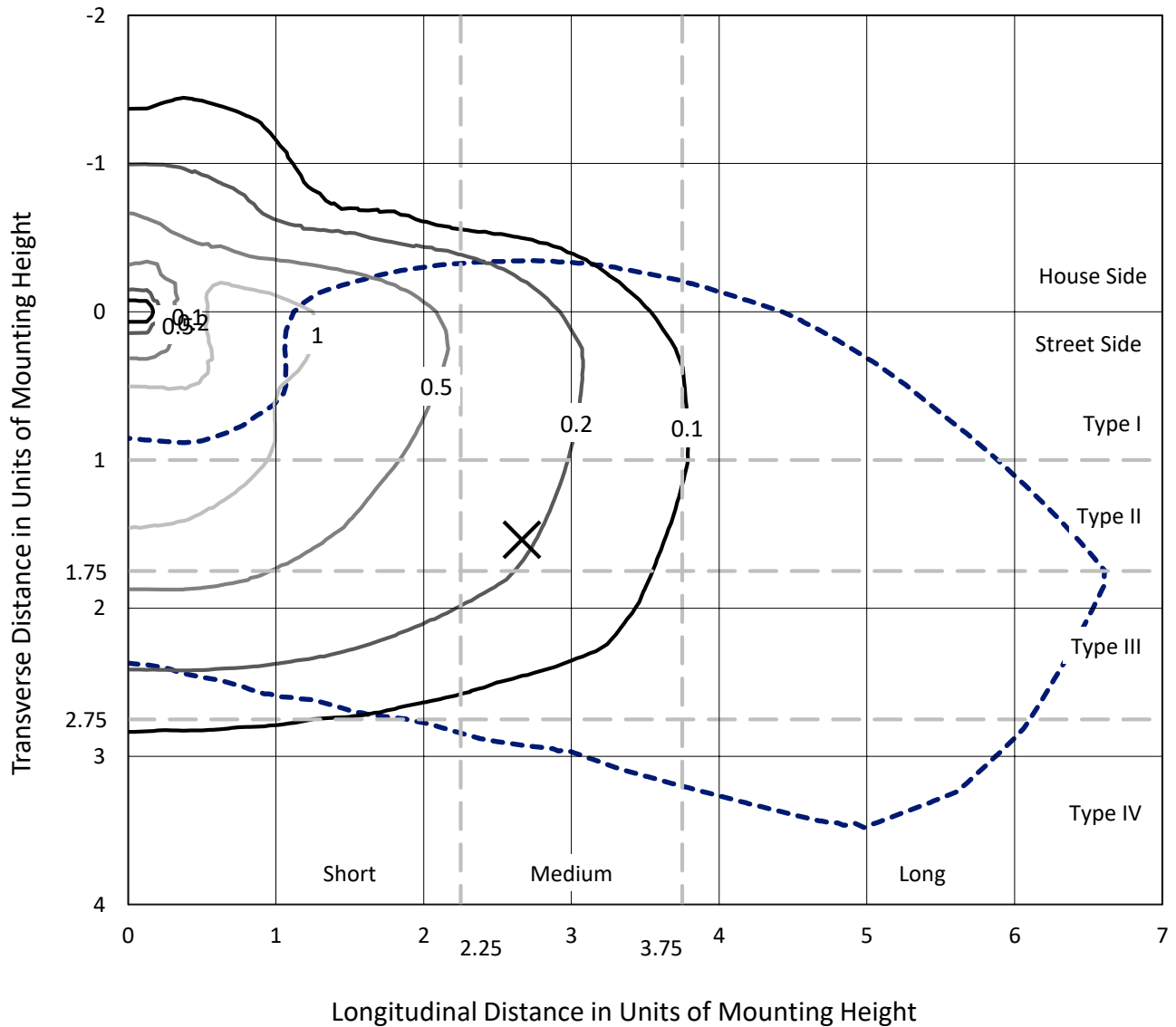
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

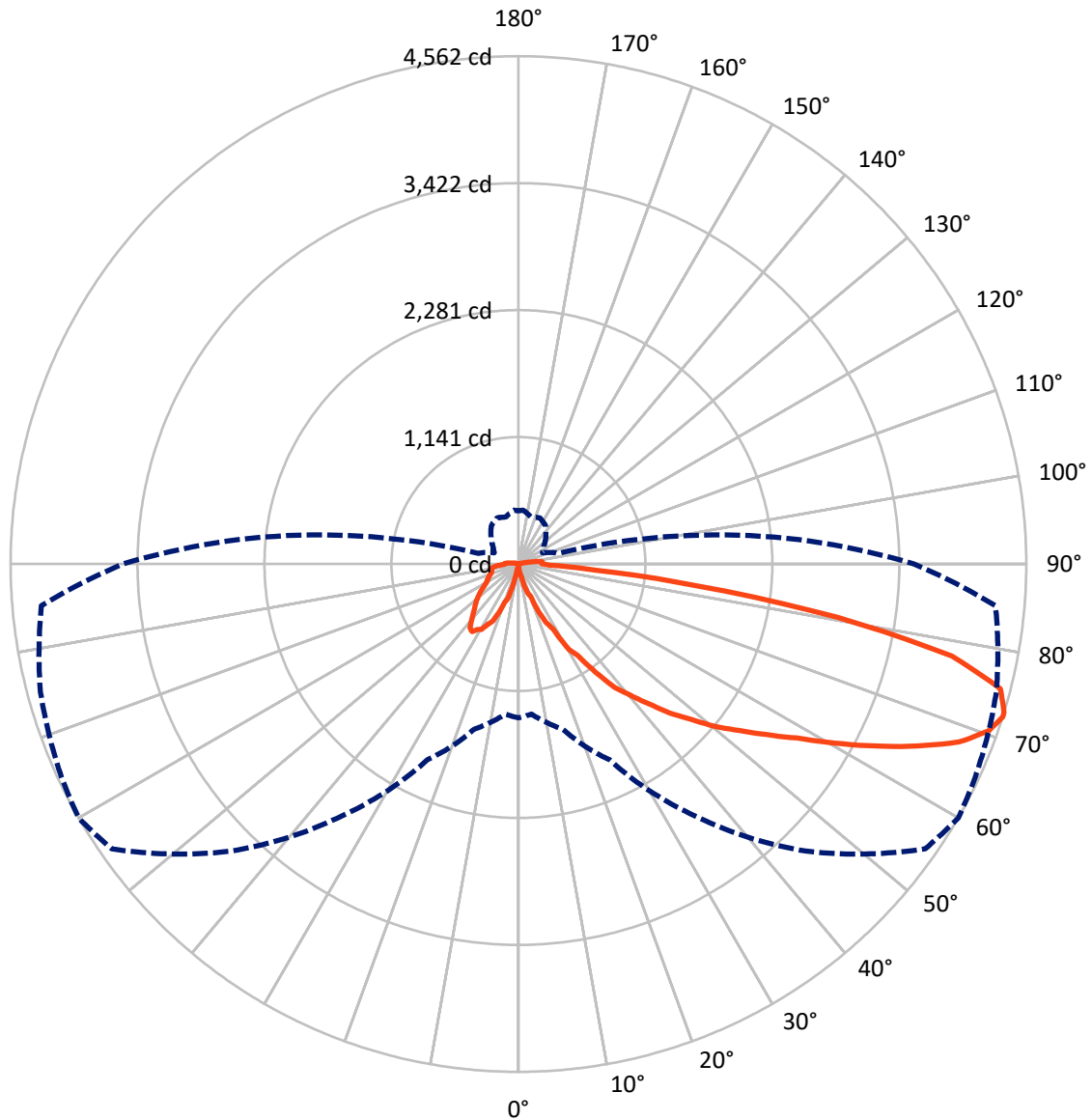
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1795.6	87.6	1883.3
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	6255.8	77.0	6332.7
	% Fixture	76.1	0.9	77.1
Total	Lumens	8051.4	164.6	8216.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	67.2	0.8
20°-30°	280.1	3.4
30°-40°	647.1	7.9
40°-50°	1136.2	13.8
50°-60°	1717.4	20.9
60°-70°	2117.5	25.8
70°-80°	1634.8	19.9
80°-90°	446.6	5.4
90°-100°	121.3	1.5
100°-110°	21.0	0.3
110°-120°	8.1	0.1
120°-130°	5.8	0.1
130°-140°	3.8	0.0
140°-150°	3.1	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8051.4	98.0
0°-180°	8216.0	100.0



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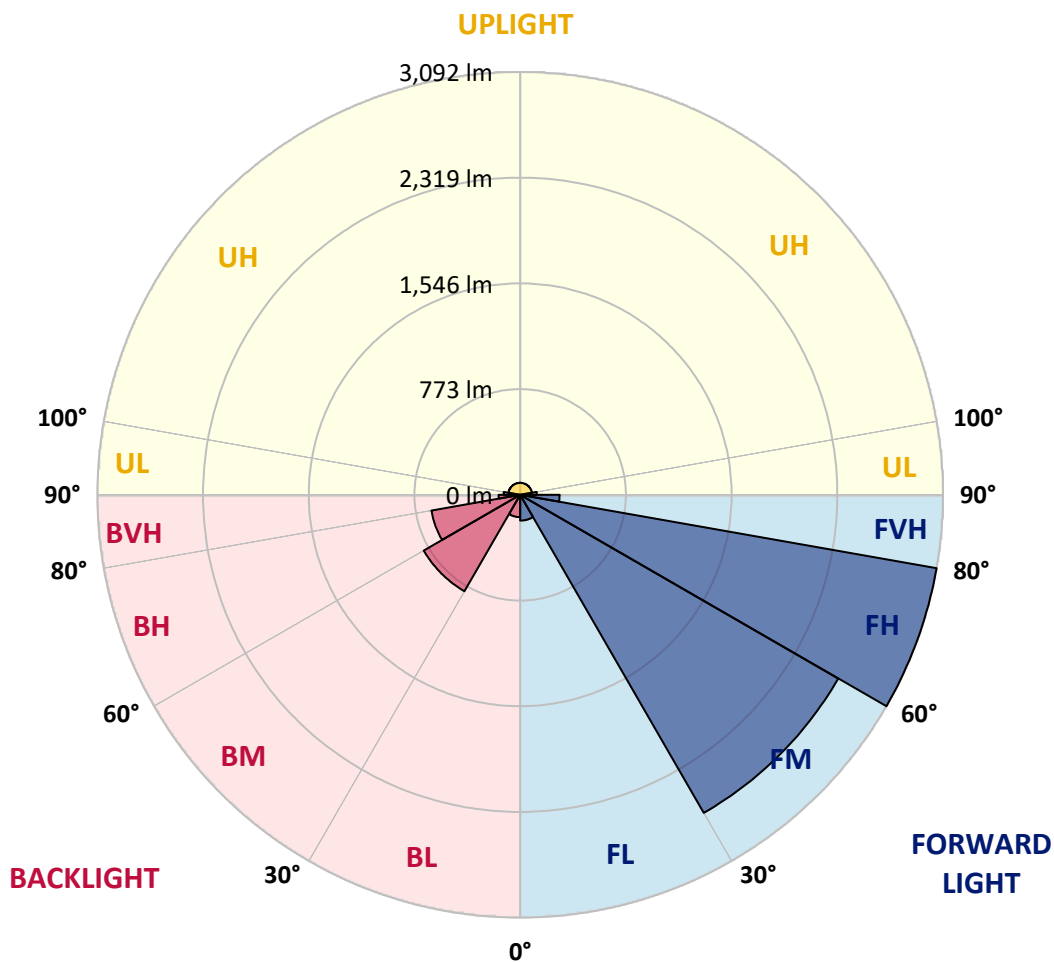
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.6	2.3			
FM	(30°-60°)	2686.3	32.7			
FH	(60°-80°)	3092.5	37.6			G2/5000
FVH	(80°-90°)	288.4	3.5			G3/500
BL	(0°-30°)	163.2	2.0	B1/500		
BM	(30°-60°)	814.4	9.9	B1/1000		
BH	(60°-80°)	659.8	8.0	B2/1000		G2/1000
BVH	(80°-90°)	158.2	1.9			G2/225
UL	(90°-100°)	121.3	1.5		U3/500	
UH	(100°-180°)	87.6	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.9	10.0	9.1	9.1	10.0	9.1	8.2	7.3	6.4	6.4	5.5
5°	102.0	99.3	98.4	79.2	36.4	28.2	12.8	10.0	8.2	6.4	5.5
7.5°	112.9	112.0	111.1	111.1	109.3	103.8	59.2	29.1	16.4	8.2	7.3
10°	129.3	127.5	122.0	119.3	116.6	114.8	106.6	101.1	45.5	13.7	11.8
12.5°	230.4	226.8	221.3	163.9	140.3	123.9	121.1	116.6	101.1	41.9	84.7
15°	247.7	246.8	243.2	240.4	233.2	154.8	187.6	214.0	242.3	197.6	220.4
17.5°	311.5	302.4	278.7	265.0	260.5	284.2	271.4	276.0	276.0	265.9	252.3
20°	465.4	459.0	447.2	394.4	296.9	366.1	358.8	305.1	314.2	388.9	451.7
22.5°	561.0	554.7	530.1	496.4	490.0	407.1	423.5	462.7	473.6	545.6	544.7
25°	761.4	749.6	696.8	597.5	610.2	525.5	591.1	582.0	553.8	601.1	617.5
27.5°	929.9	919.9	894.4	844.3	707.7	735.0	672.2	660.3	735.9	868.9	866.2
30°	1115.7	1061.1	992.8	977.3	876.2	833.4	849.8	888.9	917.2	929.9	961.8
32.5°	1353.4	1347.1	1296.0	1094.8	1062.9	952.7	1031.0	977.3	999.1	1183.1	1292.4
35°	1518.3	1534.7	1444.5	1324.3	1173.1	1170.4	1137.6	1191.3	1296.0	1321.6	1397.1
37.5°	1902.6	1907.2	1826.1	1482.8	1384.4	1289.7	1391.7	1406.3	1435.4	1479.1	1542.9
40°	2192.3	2151.3	2051.1	1796.1	1582.0	1479.1	1552.0	1550.2	1613.9	1694.1	1734.1
42.5°	2549.3	2503.8	2324.3	2035.6	1835.2	1721.4	1728.7	1713.2	1766.0	1892.6	1917.2
45°	2848.9	2828.9	2690.5	2386.3	2114.8	1978.2	1929.0	1909.9	1936.3	2095.7	2109.4
47.5°	3132.2	3078.5	2988.3	2680.4	2521.1	2272.4	2131.2	2085.7	2093.9	2275.1	2315.2
50°	3431.8	3341.7	3230.6	2960.1	2844.4	2642.2	2363.5	2292.4	2295.2	2462.8	2531.1
52.5°	3609.4	3466.5	3394.5	3170.4	3053.9	2952.8	2606.7	2483.7	2496.5	2654.9	2758.8
55°	3499.2	3456.4	3458.3	3324.4	3237.8	3119.4	2842.6	2705.0	2719.6	2905.4	3035.7
57.5°	3313.4	3346.2	3461.9	3456.4	3408.2	3292.5	3077.5	2949.1	3032.9	3188.7	3326.2
60°	3170.4	3207.8	3395.4	3492.0	3582.1	3497.4	3320.7	3265.2	3343.5	3479.2	3644.1
62.5°	2931.8	2961.9	3219.6	3474.6	3577.6	3672.3	3552.1	3602.2	3674.1	3788.9	3989.2
65°	2605.8	2598.5	2919.1	3316.2	3547.5	3769.7	3849.9	3941.9	4007.5	4130.4	4312.6
67.5°	2220.5	2256.9	2526.5	2974.6	3430.0	3818.9	4100.4	4268.9	4309.8	4357.2	4488.4
70°	1813.4	1811.6	2047.4	2523.8	3177.7	3791.6	4338.1	4483.8	4484.7	4456.5	4495.6
72°	1382.6	1353.4	1535.6	1941.8	2759.7	3645.0	4460.1	4562.1	4528.4	4444.6	4301.6
72.5°	1186.8	1213.2	1384.4	1828.9	2572.1	3572.1	4472.9	4561.2	4524.8	4432.8	4243.4
75°	602.0	563.8	661.2	980.0	1774.2	2886.3	4380.9	4472.0	4370.0	4255.2	3720.6
77.5°	235.9	242.3	280.5	423.5	863.4	1900.8	3781.6	3980.1	3914.6	3833.5	2934.6
80°	165.8	165.8	187.6	241.4	442.6	772.3	2620.3	2909.1	3010.1	3050.2	1962.7
82.5°	120.2	122.0	143.0	168.5	316.0	370.7	1286.9	1616.6	1776.0	1925.4	1097.5
85°	112.0	112.0	114.8	112.9	225.9	264.1	468.1	690.4	797.8	935.4	443.6
87.5°	52.8	57.4	84.7	67.4	111.1	163.0	255.0	276.9	283.3	321.5	318.8
90°	34.6	34.6	28.2	29.1	54.6	132.1	204.9	209.5	201.3	235.9	296.9
92.5°	35.5	36.4	26.4	27.3	42.8	121.1	210.4	214.0	207.7	247.7	315.1
95°	32.8	32.8	22.8	23.7	33.7	92.9	210.4	214.0	195.8	246.8	315.1
97.5°	27.3	28.2	18.2	19.1	26.4	45.5	145.7	156.7	124.8	125.7	153.9
100°	23.7	23.7	14.6	15.5	19.1	20.9	73.8	77.4	69.2	31.0	20.9
102.5°	23.7	23.7	12.8	12.8	12.8	11.8	22.8	38.3	31.9	18.2	20.0
105°	22.8	23.7	11.8	10.0	10.0	9.1	11.8	14.6	14.6	14.6	20.9
107.5°	18.2	19.1	9.1	9.1	8.2	8.2	6.4	6.4	9.1	13.7	22.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	14.6	14.6	7.3	8.2	6.4	7.3	5.5	5.5	8.2	10.0	17.3
112.5°	8.2	8.2	5.5	6.4	5.5	6.4	5.5	5.5	6.4	8.2	10.9
115°	7.3	7.3	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3	11.8
117.5°	7.3	7.3	4.6	4.6	4.6	3.6	3.6	4.6	4.6	7.3	11.8
120°	7.3	7.3	4.6	4.6	3.6	3.6	3.6	4.6	4.6	7.3	11.8
122.5°	8.2	7.3	4.6	3.6	3.6	3.6	3.6	3.6	4.6	6.4	11.8
125°	8.2	7.3	5.5	3.6	3.6	3.6	3.6	3.6	4.6	6.4	10.0
127.5°	8.2	8.2	5.5	3.6	3.6	3.6	3.6	3.6	3.6	5.5	9.1
130°	8.2	7.3	5.5	3.6	3.6	3.6	3.6	3.6	3.6	5.5	8.2
132.5°	7.3	7.3	5.5	3.6	4.6	3.6	3.6	3.6	3.6	4.6	6.4
135°	6.4	6.4	4.6	4.6	4.6	3.6	3.6	3.6	3.6	3.6	5.5
137.5°	6.4	6.4	5.5	4.6	4.6	4.6	3.6	3.6	3.6	3.6	4.6
140°	6.4	6.4	5.5	5.5	5.5	4.6	3.6	3.6	3.6	4.6	4.6
142.5°	7.3	7.3	6.4	5.5	5.5	4.6	3.6	3.6	4.6	4.6	4.6
145°	8.2	8.2	7.3	6.4	5.5	3.6	3.6	4.6	4.6	4.6	5.5
147.5°	8.2	8.2	7.3	5.5	4.6	3.6	3.6	4.6	4.6	5.5	5.5
150°	7.3	7.3	6.4	4.6	3.6	2.7	3.6	3.6	4.6	5.5	5.5
152.5°	5.5	5.5	4.6	3.6	2.7	1.8	2.7	3.6	3.6	4.6	5.5
155°	3.6	3.6	2.7	1.8	1.8	1.8	2.7	2.7	2.7	3.6	4.6
157.5°	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	3.6
160°	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	2.7
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	5.5	5.5	5.5	5.5	5.5	5.5	6.4	6.4	6.4	7.3	8.2
5°	5.5	5.5	5.5	5.5	6.4	7.3	8.2	9.1	10.0	10.9	10.9
7.5°	6.4	6.4	6.4	7.3	8.2	10.0	22.8	80.1	109.3	119.3	116.6
10°	11.8	11.8	10.9	10.9	12.8	106.6	135.7	147.5	153.9	161.2	161.2
12.5°	94.7	109.3	39.2	21.9	105.7	149.4	160.3	168.5	174.0	181.2	181.2
15°	228.6	232.3	238.6	214.9	207.7	169.4	176.7	239.5	315.1	335.2	337.0
17.5°	256.8	261.4	265.9	315.1	335.2	259.6	298.7	336.1	343.4	350.7	350.7
20°	490.0	497.3	403.5	361.6	353.4	439.9	337.9	347.0	359.8	424.4	430.8
22.5°	555.6	560.1	524.6	547.4	400.7	459.9	444.5	444.5	497.3	500.9	501.8
25°	623.0	648.5	581.1	562.9	570.2	465.4	524.6	473.6	480.9	486.4	487.3
27.5°	909.0	905.3	850.7	643.9	572.0	563.8	509.1	467.2	546.5	567.4	568.3
30°	966.3	957.2	908.1	754.1	593.8	558.3	480.0	540.1	525.5	528.3	529.2
32.5°	1328.8	1314.3	1174.9	763.2	620.2	515.5	521.0	502.8	504.6	561.0	562.9
35°	1419.9	1399.9	1204.1	882.6	591.1	522.8	481.8	504.6	513.7	511.0	511.0
37.5°	1542.0	1503.7	1195.0	829.7	614.8	489.1	460.9	476.3	470.9	505.5	503.7
40°	1674.9	1621.2	1199.5	769.6	557.4	459.0	441.7	455.4	451.7	441.7	434.4
42.5°	1844.3	1751.4	1198.6	719.5	504.6	449.0	417.1	416.2	400.7	384.4	378.9
45°	2017.4	1889.0	1202.2	662.1	464.5	440.8	403.5	381.6	368.0	350.7	346.1
47.5°	2206.8	2035.6	1213.2	616.6	433.5	416.2	386.2	359.8	349.7	327.9	326.1
50°	2430.9	2189.5	1216.8	580.2	397.1	394.4	373.4	344.3	328.8	306.9	305.1
52.5°	2672.2	2352.6	1223.2	526.4	368.9	386.2	380.7	340.6	334.3	306.0	304.2
55°	2900.9	2507.4	1221.4	461.8	356.1	378.9	380.7	364.3	354.3	307.8	304.2
57.5°	3175.9	2675.0	1194.0	401.7	336.1	368.0	398.9	385.3	374.3	336.1	328.8
60°	3421.8	2848.0	1113.0	355.2	318.8	356.1	414.4	400.7	369.8	345.2	337.9
62.5°	3709.6	2997.4	1000.0	321.5	312.4	359.8	419.9	410.8	372.5	364.3	361.6
65°	3904.5	3053.9	828.8	294.2	311.5	359.8	418.1	419.9	392.5	400.7	399.8
67.5°	3928.2	2981.0	628.4	273.2	300.6	359.8	415.3	438.1	410.8	444.5	446.3
70°	3814.4	2798.8	458.1	252.3	288.7	355.2	416.2	449.9	424.4	477.3	473.6
72°	3552.1	2522.9	370.7	238.6	278.7	347.9	422.6	456.3	436.3	485.4	477.3
72.5°	3483.8	2438.2	354.3	236.8	276.9	347.0	424.4	458.1	437.2	493.6	483.6
75°	2915.4	1941.8	304.2	223.1	279.6	342.5	433.5	457.2	442.6	499.1	500.9
77.5°	2208.7	1308.8	269.6	211.3	278.7	334.3	430.8	449.9	434.4	480.0	490.0
80°	1367.1	761.4	239.5	210.4	276.9	330.6	419.0	430.8	411.7	448.1	450.8
82.5°	747.8	445.4	207.7	206.7	268.7	320.6	396.2	408.9	390.7	430.8	402.6
85°	382.5	302.4	155.7	169.4	235.0	301.5	369.8	368.9	350.7	365.2	345.2
87.5°	295.1	237.7	101.1	122.0	192.2	248.6	304.2	301.5	277.8	279.6	271.4
90°	271.4	212.2	66.5	86.5	160.3	178.5	211.3	203.1	186.7	190.4	187.6
92.5°	273.2	209.5	63.8	92.0	153.9	160.3	194.0	184.0	167.6	169.4	163.9
95°	266.9	201.3	63.8	81.1	127.5	113.8	139.4	135.7	122.0	115.7	112.9
97.5°	127.5	100.2	59.2	60.1	72.0	61.9	84.7	91.1	72.9	58.3	58.3
100°	21.9	33.7	51.9	61.0	51.9	39.2	53.7	61.9	41.9	19.1	20.9
102.5°	21.9	20.9	40.1	51.9	37.3	20.9	31.0	41.0	26.4	14.6	15.5
105°	23.7	21.9	19.1	35.5	21.9	10.9	11.8	20.9	14.6	14.6	14.6
107.5°	25.5	23.7	13.7	13.7	10.9	10.0	9.1	8.2	10.0	14.6	15.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.1	19.1	12.8	10.9	10.0	10.0	7.3	7.3	10.0	15.5	15.5
112.5°	13.7	13.7	10.9	9.1	8.2	10.0	7.3	7.3	9.1	15.5	16.4
115°	13.7	13.7	10.0	8.2	7.3	8.2	7.3	6.4	9.1	15.5	16.4
117.5°	13.7	13.7	10.0	7.3	6.4	6.4	5.5	6.4	9.1	15.5	16.4
120°	13.7	13.7	10.0	7.3	6.4	5.5	5.5	5.5	9.1	15.5	16.4
122.5°	12.8	12.8	9.1	6.4	5.5	4.6	4.6	5.5	8.2	14.6	15.5
125°	11.8	11.8	8.2	6.4	5.5	4.6	4.6	4.6	8.2	13.7	14.6
127.5°	10.9	10.9	8.2	5.5	4.6	4.6	4.6	4.6	7.3	12.8	13.7
130°	9.1	9.1	7.3	5.5	4.6	3.6	4.6	4.6	7.3	11.8	11.8
132.5°	7.3	7.3	5.5	4.6	4.6	3.6	3.6	4.6	6.4	10.0	10.9
135°	5.5	5.5	5.5	4.6	4.6	3.6	3.6	3.6	5.5	8.2	9.1
137.5°	4.6	5.5	4.6	4.6	4.6	3.6	3.6	3.6	5.5	7.3	7.3
140°	4.6	4.6	4.6	4.6	4.6	3.6	3.6	3.6	5.5	6.4	7.3
142.5°	4.6	5.5	4.6	4.6	4.6	3.6	3.6	4.6	5.5	7.3	7.3
145°	5.5	5.5	5.5	4.6	4.6	2.7	2.7	4.6	5.5	7.3	7.3
147.5°	5.5	5.5	5.5	4.6	3.6	2.7	2.7	3.6	5.5	7.3	7.3
150°	5.5	5.5	5.5	4.6	3.6	1.8	1.8	3.6	4.6	6.4	7.3
152.5°	5.5	5.5	4.6	4.6	2.7	1.8	0.9	2.7	3.6	5.5	5.5
155°	4.6	4.6	4.6	3.6	2.7	0.9	0.0	0.9	2.7	4.6	4.6
157.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	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

(END OF REPORT)