

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: P413867

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413867
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-PA1-100-740-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA 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: 9486 lumens
Efficiency: N/A
Efficacy: 98.8 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 - G4

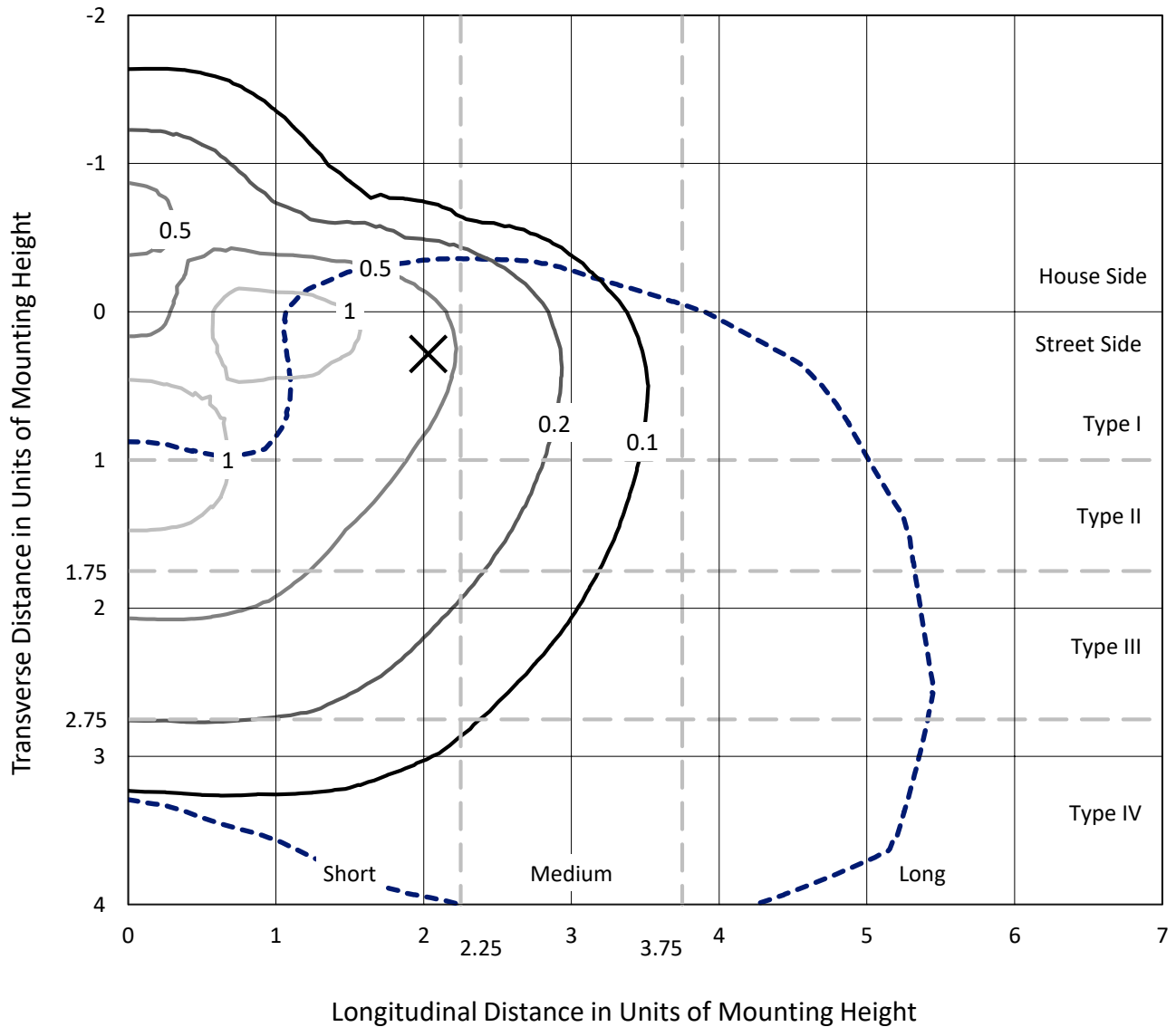
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

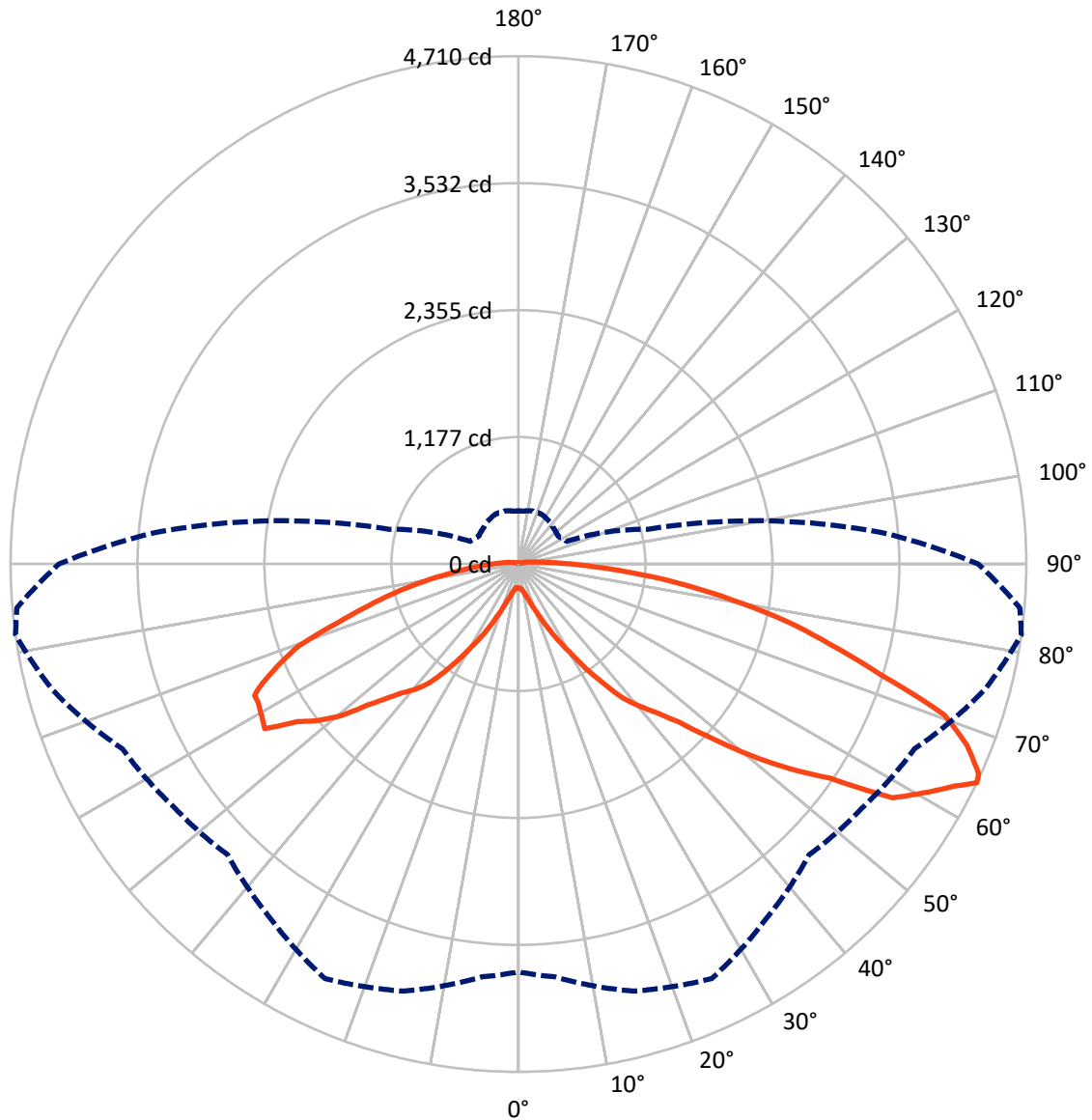
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - 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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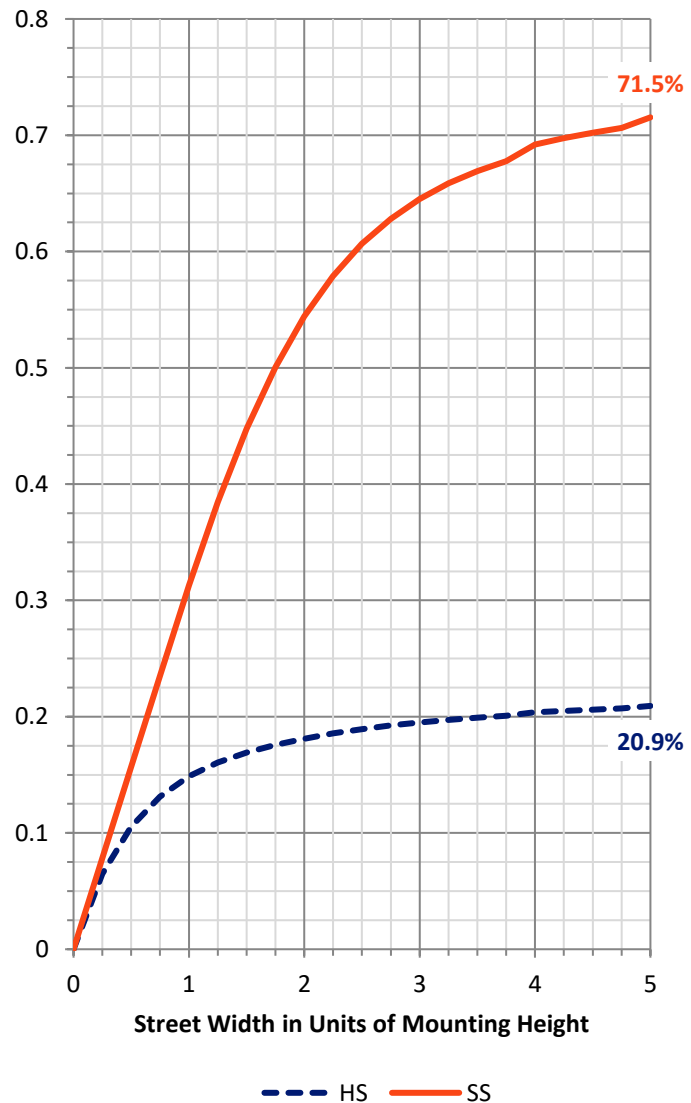
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2085.3	156.2	2241.5
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	7039.7	204.7	7244.5
	% Fixture	74.2	2.2	76.4
Total	Lumens	9125.1	361.0	9486.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.2
10°-20°	97.6	1.0
20°-30°	281.2	3.0
30°-40°	645.5	6.8
40°-50°	1133.7	12.0
50°-60°	1821.1	19.2
60°-70°	2444.5	25.8
70°-80°	1869.0	19.7
80°-90°	809.5	8.5
90°-100°	227.4	2.4
100°-110°	69.0	0.7
110°-120°	30.3	0.3
120°-130°	17.3	0.2
130°-140°	10.6	0.1
140°-150°	4.7	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9125.1	96.2
0°-180°	9486.0	100.0



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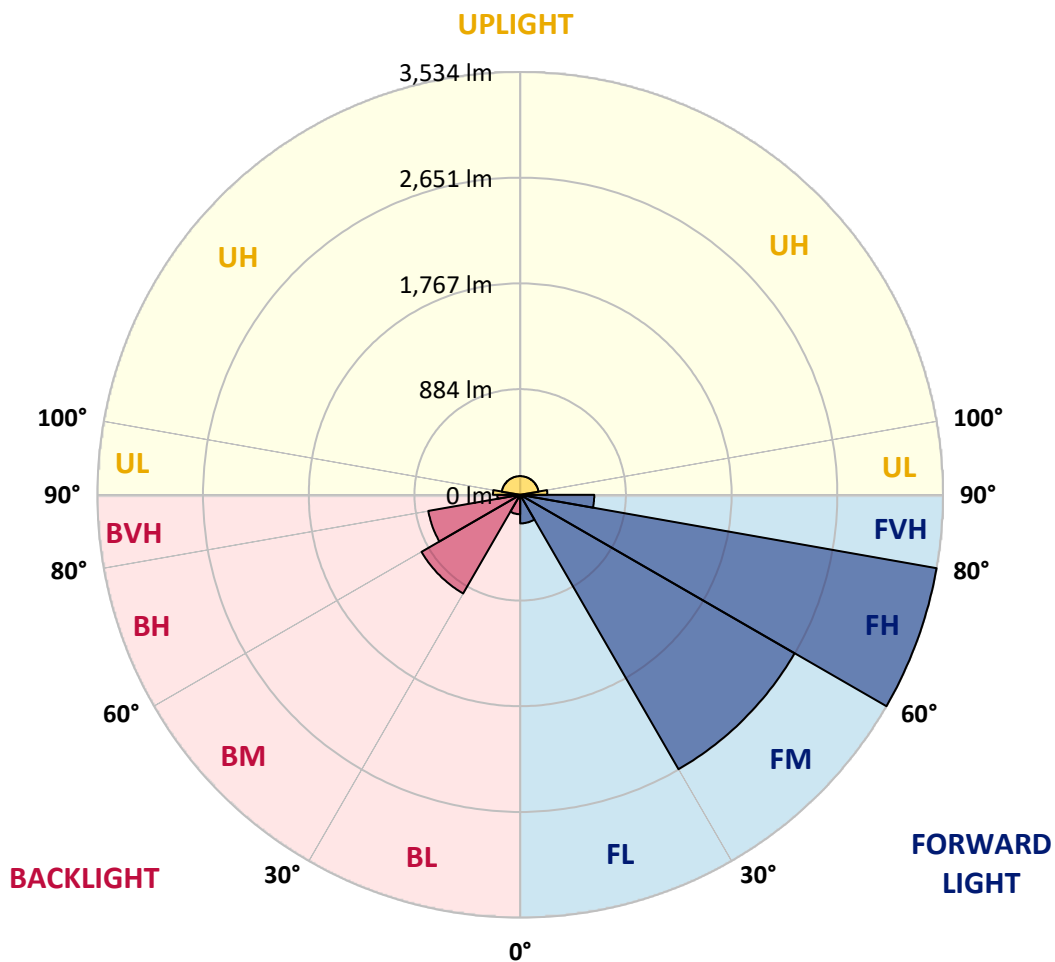
CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.8	2.5			
FM	(30°-60°)	2648.0	27.9			
FH	(60°-80°)	3534.1	37.3			G2/5000
FVH	(80°-90°)	618.8	6.5			G4/750
BL	(0°-30°)	162.8	1.7	B1/500		
BM	(30°-60°)	952.4	10.0	B1/1000		
BH	(60°-80°)	779.5	8.2	B2/1000		G2/1000
BVH	(80°-90°)	190.7	2.0			G2/225
UL	(90°-100°)	227.4	2.4		U3/500	
UH	(100°-180°)	156.2	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6
2.5°	238.0	236.9	236.9	238.0	238.0	235.8	231.5	228.2	224.9	223.8	222.7
5°	259.8	258.8	257.7	258.8	255.5	252.2	245.6	239.1	234.7	230.4	229.3
7.5°	289.3	288.2	287.1	285.0	280.6	274.0	264.2	255.5	247.8	242.4	240.2
10°	327.5	323.2	322.1	317.7	310.1	299.1	288.2	277.3	268.6	260.9	257.7
12.5°	379.9	379.9	371.2	361.4	348.3	331.9	317.7	309.0	300.2	295.9	289.3
15°	444.4	442.2	433.4	417.1	395.2	376.7	361.4	350.5	345.0	337.4	334.1
17.5°	515.3	511.0	503.3	478.2	452.0	432.3	414.9	404.0	400.7	394.1	393.0
20°	608.1	601.6	583.0	552.4	516.4	494.6	478.2	466.2	465.1	467.3	466.2
22.5°	718.4	714.0	691.1	635.4	595.0	563.4	541.5	543.7	557.9	564.4	555.7
25°	850.5	854.9	816.6	742.4	688.9	635.4	626.7	638.7	670.3	687.8	688.9
27.5°	1006.6	1005.5	955.3	873.4	790.4	730.4	716.2	751.1	795.9	821.0	821.0
30°	1181.3	1196.6	1125.6	1018.6	902.9	831.9	821.0	874.5	921.5	966.2	979.3
32.5°	1413.8	1410.6	1318.9	1190.0	1036.1	935.7	926.9	994.6	1100.5	1162.7	1162.7
35°	1703.2	1691.2	1563.4	1370.2	1163.8	1051.4	1052.5	1146.4	1286.1	1362.5	1370.2
37.5°	1952.1	1961.9	1833.1	1598.4	1328.7	1183.5	1196.6	1323.2	1491.4	1580.9	1611.5
40°	2218.5	2221.8	2079.8	1824.4	1506.6	1324.3	1356.0	1502.3	1661.7	1735.9	1765.4
42.5°	2453.2	2472.9	2330.9	2051.4	1686.8	1496.8	1512.1	1639.8	1798.2	1886.6	1928.1
45°	2614.8	2625.7	2538.4	2260.0	1882.2	1672.6	1670.4	1789.4	1993.6	2091.8	2158.4
47.5°	2834.2	2863.7	2738.2	2469.6	2083.1	1851.6	1833.1	1985.9	2254.5	2413.9	2470.7
50°	3091.9	3136.7	3048.2	2724.0	2312.4	2062.4	2065.6	2248.0	2578.8	2787.3	2846.3
52.5°	3348.5	3365.9	3307.0	3029.7	2578.8	2308.0	2334.2	2562.4	2942.3	3156.3	3192.3
55°	3486.0	3511.1	3528.6	3309.2	2898.7	2599.5	2645.4	2920.5	3252.4	3503.5	3585.4
57.5°	3617.0	3652.0	3697.8	3548.3	3216.4	2959.8	3004.6	3249.1	3733.9	4092.0	4154.2
60°	3838.7	3869.2	3957.7	3835.4	3507.9	3303.7	3350.7	3694.6	4065.8	4312.5	4319.1
62.5°	3835.4	3883.4	4097.4	4128.0	3820.1	3634.5	3749.2	3934.8	4228.4	4538.5	4532.0
64°	3783.0	3843.0	4100.7	4242.6	4010.1	3813.6	3912.9	4052.7	4480.6	4709.9	4668.4
65°	3745.9	3812.5	4090.9	4272.1	4113.8	3915.1	3989.3	4150.9	4553.8	4690.3	4633.5
67.5°	3541.7	3616.0	3985.0	4268.8	4220.8	4074.5	4098.5	4249.2	4432.6	4486.1	4384.6
70°	3176.0	3215.3	3634.5	4089.8	4114.9	3975.1	4040.7	4118.2	4218.6	4192.4	4059.2
72.5°	2506.7	2587.5	3011.1	3659.6	3802.6	3702.2	3727.3	3765.5	3664.0	3513.3	3355.0
75°	1785.1	1857.1	2252.3	2886.7	3311.4	3271.0	3305.9	3244.8	3132.3	2994.7	2839.7
77.5°	1241.3	1264.3	1590.7	2178.1	2646.5	2769.8	2845.2	2758.9	2695.6	2530.7	2406.3
80°	803.5	841.8	1047.0	1577.6	2097.3	2349.5	2470.7	2415.0	2267.6	2004.5	1862.6
82.5°	497.8	528.4	690.0	1120.2	1662.8	2013.2	2130.1	2053.6	1817.8	1524.1	1382.2
85°	285.0	291.5	404.0	729.3	1215.1	1599.4	1755.6	1633.3	1359.3	1075.4	950.9
87.5°	163.8	169.2	241.3	446.5	840.7	1205.3	1353.8	1175.8	912.7	691.1	609.2
90°	104.8	111.4	156.1	291.5	541.5	861.4	970.6	806.8	611.4	437.8	385.4
92.5°	72.1	75.3	104.8	181.2	349.4	568.8	648.5	539.3	381.0	279.5	247.8
95°	52.4	54.6	74.2	123.4	224.9	357.0	400.7	341.7	250.0	185.6	165.9
97.5°	42.6	43.7	57.9	90.6	155.0	227.1	240.2	212.9	165.9	132.1	124.5
100°	36.0	37.1	48.0	69.9	110.3	148.5	151.8	143.0	116.8	98.3	93.9
102.5°	32.8	32.8	40.4	56.8	83.0	105.9	105.9	98.3	80.8	72.1	72.1
105°	29.5	29.5	34.9	46.9	65.5	81.9	80.8	72.1	61.1	54.6	55.7
107.5°	26.2	26.2	30.6	38.2	53.5	64.4	62.2	53.5	46.9	42.6	43.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	24.0	24.0	27.3	32.8	44.8	53.5	50.2	41.5	34.9	34.9	36.0
112.5°	21.8	21.8	24.0	29.5	38.2	43.7	40.4	32.8	28.4	28.4	29.5
115°	19.7	19.7	21.8	26.2	33.8	37.1	33.8	26.2	22.9	24.0	26.2
117.5°	18.6	18.6	20.7	24.0	29.5	31.7	28.4	21.8	19.7	21.8	22.9
120°	17.5	17.5	19.7	22.9	27.3	28.4	24.0	19.7	17.5	19.7	20.7
122.5°	17.5	17.5	18.6	21.8	25.1	25.1	21.8	17.5	15.3	17.5	18.6
125°	17.5	17.5	18.6	20.7	22.9	22.9	19.7	15.3	14.2	16.4	16.4
127.5°	18.6	18.6	19.7	20.7	21.8	20.7	17.5	14.2	13.1	15.3	15.3
130°	18.6	18.6	18.6	19.7	19.7	18.6	15.3	13.1	13.1	14.2	15.3
132.5°	18.6	18.6	18.6	18.6	18.6	16.4	14.2	12.0	13.1	14.2	15.3
135°	17.5	17.5	17.5	17.5	16.4	14.2	12.0	9.8	12.0	13.1	13.1
137.5°	15.3	16.4	15.3	15.3	15.3	13.1	9.8	8.7	9.8	12.0	12.0
140°	14.2	14.2	14.2	14.2	13.1	10.9	8.7	6.6	7.6	9.8	9.8
142.5°	13.1	13.1	13.1	12.0	12.0	9.8	6.6	5.5	6.6	7.6	7.6
145°	10.9	10.9	10.9	10.9	9.8	7.6	5.5	4.4	5.5	6.6	6.6
147.5°	8.7	8.7	8.7	8.7	7.6	6.6	4.4	4.4	5.5	5.5	5.5
150°	6.6	7.6	7.6	7.6	6.6	5.5	3.3	3.3	4.4	5.5	5.5
152.5°	5.5	5.5	5.5	6.6	5.5	3.3	2.2	3.3	4.4	4.4	4.4
155°	3.3	4.4	4.4	4.4	4.4	3.3	2.2	3.3	3.3	4.4	4.4
157.5°	2.2	2.2	3.3	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3
160°	1.1	1.1	2.2	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6
2.5°	221.6	220.5	218.4	216.2	215.1	215.1	212.9	211.8	208.5	208.5	207.4
5°	226.0	223.8	219.4	215.1	211.8	210.7	208.5	205.3	203.1	202.0	202.0
7.5°	235.8	232.5	223.8	218.4	214.0	210.7	208.5	205.3	203.1	202.0	202.0
10°	252.2	246.7	236.9	227.1	220.5	216.2	214.0	212.9	211.8	210.7	210.7
12.5°	283.9	276.2	259.8	247.8	234.7	228.2	226.0	228.2	233.6	235.8	236.9
15°	327.5	317.7	298.1	276.2	256.6	245.6	250.0	260.9	270.8	275.1	274.0
17.5°	382.1	366.8	342.8	313.3	286.0	280.6	285.0	297.0	311.2	317.7	316.6
20°	452.0	440.0	404.0	355.9	325.3	316.6	319.9	335.2	355.9	362.5	364.7
22.5°	548.1	530.6	474.9	408.3	367.9	351.6	354.8	374.5	402.9	418.1	421.4
25°	672.5	654.0	572.1	470.6	407.2	382.1	395.2	421.4	467.3	491.3	489.1
27.5°	816.6	785.0	678.0	547.0	453.1	413.8	433.4	476.0	524.1	554.6	552.4
30°	949.8	922.5	779.5	616.9	492.4	444.4	465.1	519.7	575.4	612.5	614.7
32.5°	1149.6	1099.4	898.5	676.9	524.1	469.5	489.1	555.7	620.1	664.9	663.8
35°	1356.0	1299.2	1029.5	746.8	551.3	485.8	506.6	581.9	652.9	706.4	707.5
37.5°	1573.2	1493.5	1146.4	792.6	573.2	495.7	516.4	600.5	691.1	752.2	754.4
40°	1719.5	1628.9	1217.3	816.6	579.7	502.2	525.1	613.6	697.6	742.4	746.8
42.5°	1883.3	1755.6	1254.4	797.0	572.1	501.1	527.3	603.8	669.3	700.9	704.2
45°	2109.3	1937.9	1294.8	766.4	551.3	497.8	518.6	577.5	620.1	632.1	632.1
47.5°	2403.0	2159.5	1362.5	733.7	529.5	488.0	503.3	541.5	557.9	555.7	550.3
50°	2755.6	2474.0	1444.4	705.3	508.8	476.0	485.8	507.7	513.1	506.6	503.3
52.5°	3107.2	2727.3	1501.2	680.2	495.7	465.1	471.6	488.0	488.0	468.4	465.1
55°	3429.3	2956.5	1485.9	632.1	485.8	459.6	466.2	478.2	468.4	445.4	441.1
57.5°	3950.0	3352.8	1525.2	585.2	471.6	458.5	467.3	474.9	460.7	438.9	434.5
60°	4042.8	3336.5	1432.4	555.7	461.8	461.8	471.6	480.4	470.6	450.9	449.8
62.5°	4171.7	3351.7	1291.6	513.1	455.3	464.0	481.5	494.6	493.5	479.3	477.1
64°	4262.3	3373.6	1241.3	493.5	449.8	464.0	489.1	508.8	508.8	492.4	492.4
65°	4172.8	3290.6	1204.2	483.7	444.4	464.0	493.5	517.5	515.3	502.2	500.0
67.5°	3902.0	3020.9	1047.0	461.8	432.3	464.0	505.5	531.7	535.0	524.1	519.7
70°	3571.2	2726.2	910.5	436.7	420.3	458.5	505.5	540.4	545.9	533.9	530.6
72.5°	2910.7	2192.3	751.1	409.4	402.9	445.4	498.9	536.1	541.5	527.3	523.0
75°	2440.1	1790.5	622.3	383.2	384.3	429.1	482.6	516.4	516.4	501.1	494.6
77.5°	2010.0	1445.5	515.3	358.1	362.5	408.3	453.1	474.9	468.4	454.2	445.4
80°	1505.6	1091.8	424.7	330.8	335.2	374.5	411.6	426.9	420.3	402.9	400.7
82.5°	1101.6	785.0	362.5	302.4	305.7	337.4	364.7	377.8	383.2	369.0	364.7
85°	723.8	553.5	311.2	274.0	276.2	300.2	317.7	328.6	340.6	336.3	334.1
87.5°	472.7	383.2	263.1	241.3	243.5	263.1	275.1	286.0	310.1	313.3	309.0
90°	317.7	268.6	217.3	208.5	211.8	228.2	234.7	245.6	271.9	276.2	276.2
92.5°	212.9	192.2	175.8	175.8	181.2	195.4	196.5	199.8	221.6	227.1	224.9
95°	149.6	143.0	141.9	144.1	150.7	161.6	156.1	153.9	168.1	169.2	167.0
97.5°	114.6	112.5	114.6	117.9	121.2	132.1	126.6	121.2	127.7	125.6	127.7
100°	91.7	90.6	93.9	93.9	97.2	107.0	102.6	99.4	100.4	96.1	96.1
102.5°	73.1	73.1	76.4	77.5	79.7	87.3	86.3	83.0	80.8	76.4	77.5
105°	56.8	57.9	62.2	63.3	66.6	73.1	72.1	67.7	65.5	60.0	61.1
107.5°	45.9	48.0	51.3	52.4	55.7	61.1	59.0	54.6	51.3	49.1	49.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	38.2	39.3	42.6	43.7	46.9	51.3	50.2	44.8	40.4	39.3	40.4
112.5°	31.7	33.8	36.0	37.1	40.4	43.7	40.4	36.0	32.8	33.8	33.8
115°	27.3	28.4	30.6	31.7	33.8	37.1	33.8	29.5	27.3	28.4	29.5
117.5°	25.1	26.2	27.3	27.3	29.5	31.7	28.4	25.1	24.0	25.1	26.2
120°	21.8	22.9	24.0	25.1	26.2	27.3	25.1	21.8	20.7	22.9	22.9
122.5°	19.7	20.7	20.7	21.8	22.9	24.0	21.8	19.7	18.6	19.7	20.7
125°	17.5	18.6	19.7	19.7	20.7	20.7	19.7	17.5	17.5	18.6	18.6
127.5°	16.4	17.5	17.5	18.6	18.6	18.6	17.5	15.3	16.4	17.5	17.5
130°	16.4	16.4	16.4	16.4	16.4	16.4	15.3	14.2	15.3	16.4	16.4
132.5°	15.3	15.3	15.3	15.3	15.3	14.2	13.1	13.1	14.2	15.3	15.3
135°	14.2	14.2	13.1	13.1	13.1	13.1	12.0	12.0	12.0	13.1	13.1
137.5°	12.0	12.0	10.9	10.9	10.9	10.9	9.8	9.8	10.9	12.0	12.0
140°	9.8	9.8	8.7	8.7	8.7	8.7	8.7	8.7	9.8	9.8	10.9
142.5°	7.6	7.6	7.6	6.6	6.6	7.6	7.6	7.6	8.7	8.7	8.7
145°	6.6	6.6	6.6	5.5	5.5	6.6	6.6	6.6	7.6	7.6	7.6
147.5°	5.5	5.5	5.5	4.4	3.3	5.5	5.5	5.5	6.6	5.5	5.5
150°	5.5	5.5	4.4	3.3	3.3	3.3	4.4	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	3.3	2.2	2.2	3.3	4.4	3.3	3.3	3.3
155°	4.4	4.4	3.3	3.3	2.2	1.1	2.2	3.3	2.2	2.2	2.2
157.5°	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	1.1	1.1	1.1
160°	3.3	3.3	2.2	2.2	1.1	1.1	2.2	2.2	1.1	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)