

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: P415969

Luminaire Tested: **LXF.LXT-PA1-60-750-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6938 lumens
Efficiency: N/A
Efficacy: 108.4 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

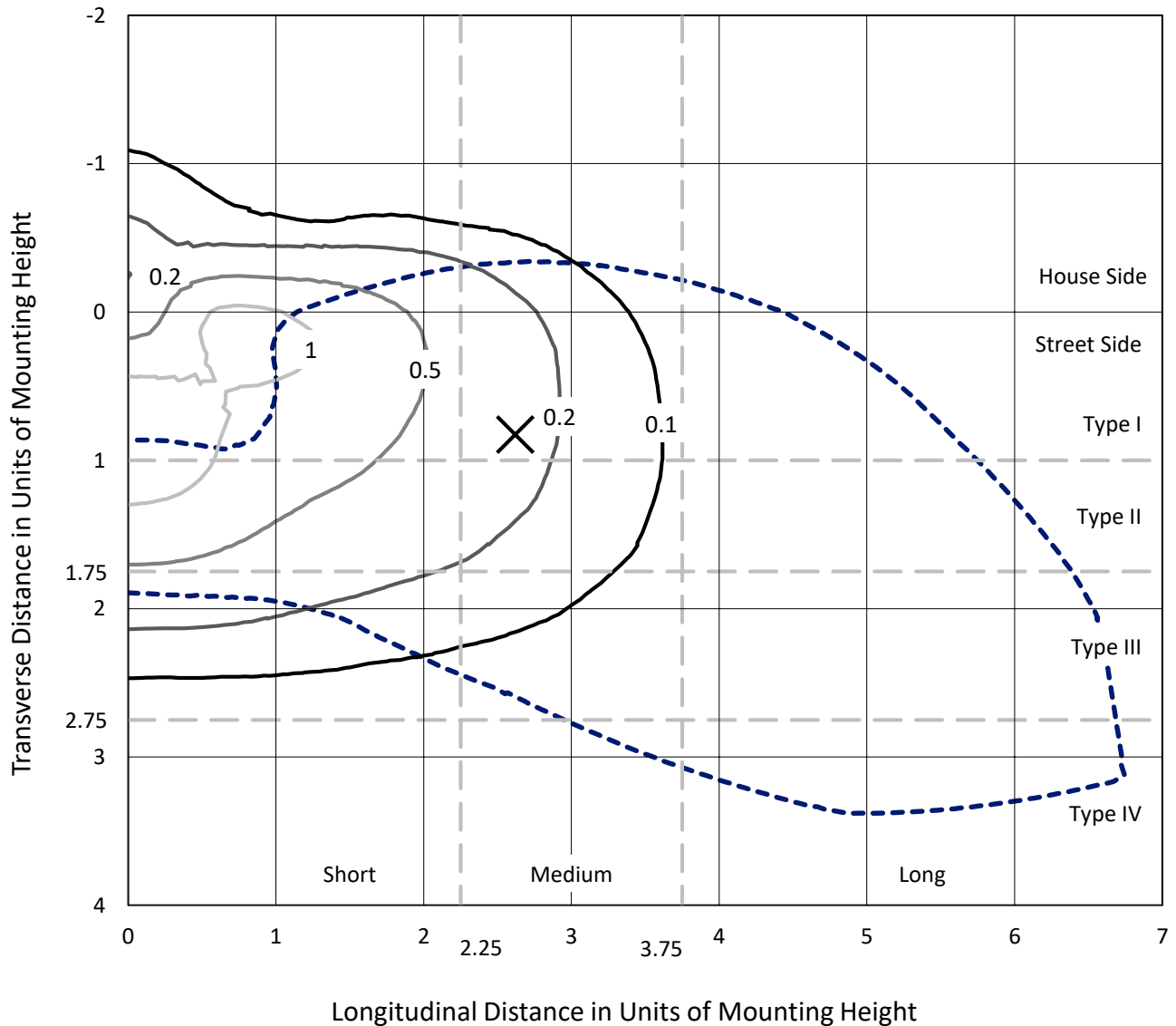
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

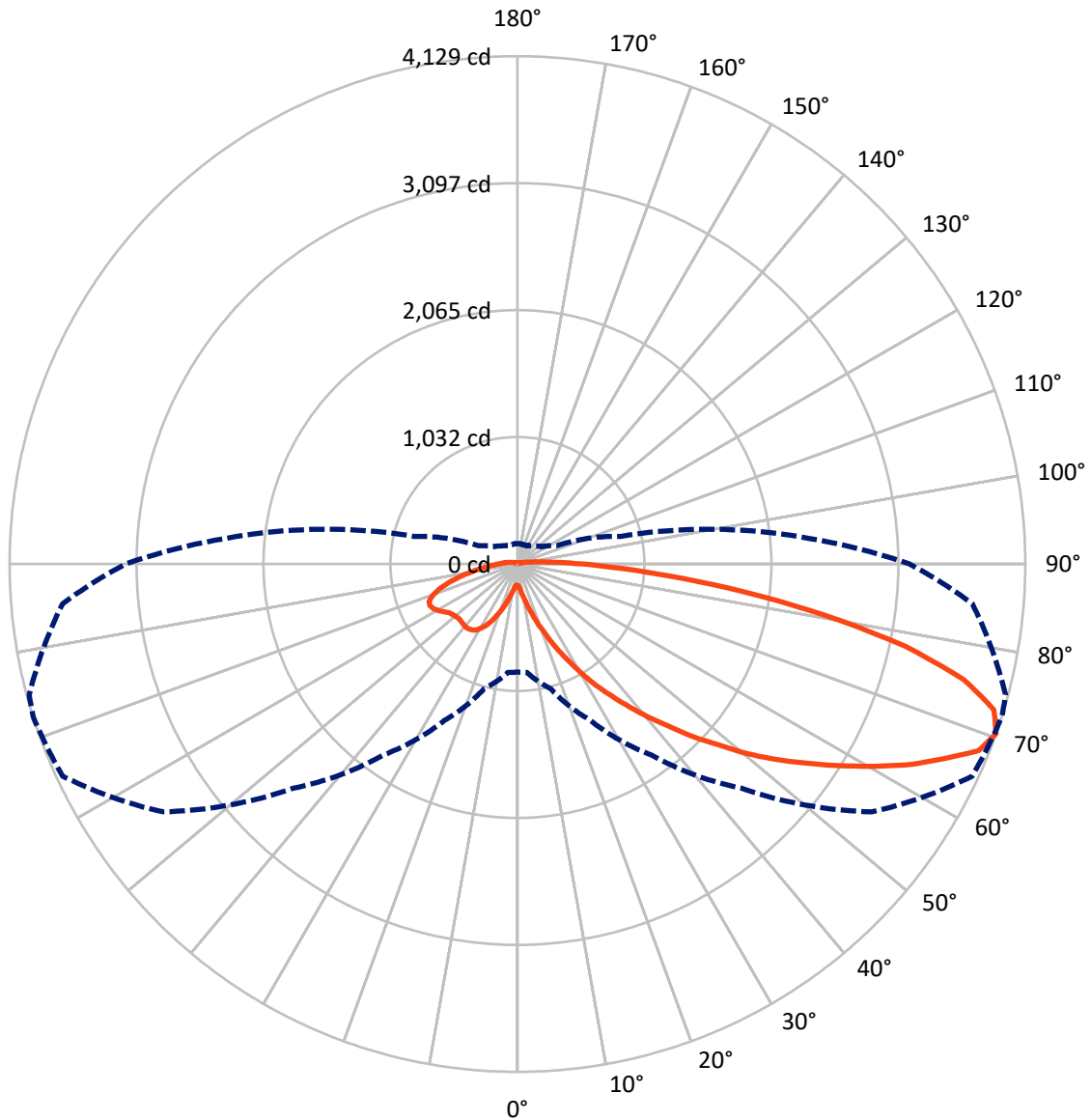
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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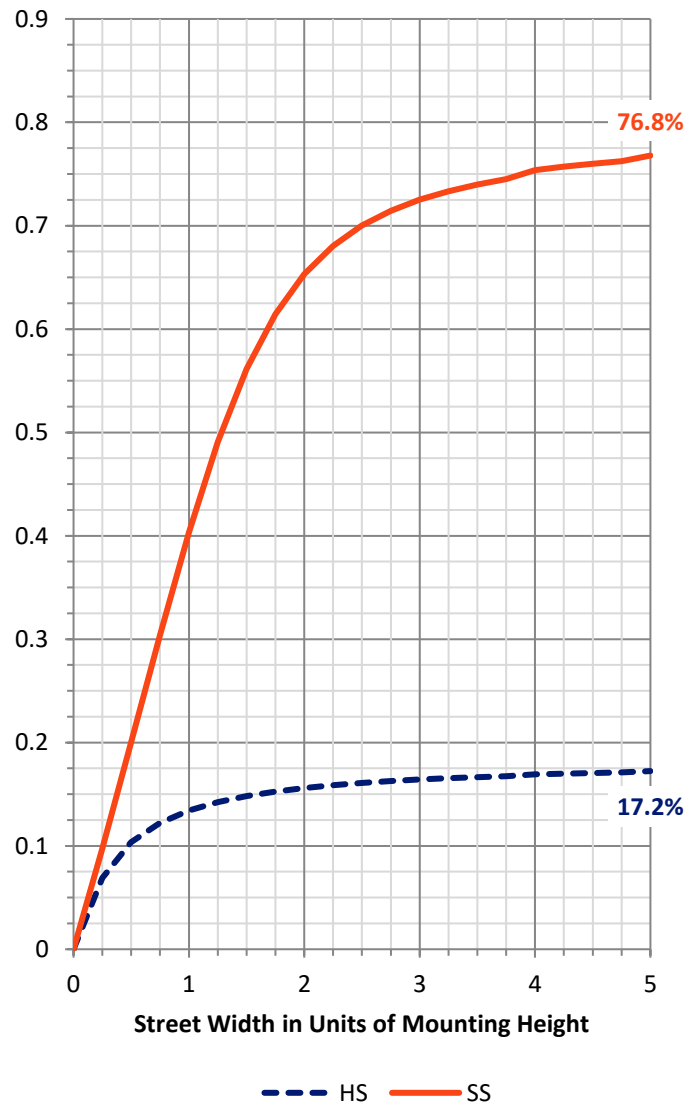
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.2	113.1	1360.4
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5447.0	130.6	5577.6
	% Fixture	78.5	1.9	80.4
Total	Lumens	6694.2	243.8	6938.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.3
10°-20°	93.9	1.4
20°-30°	262.1	3.8
30°-40°	543.4	7.8
40°-50°	938.6	13.5
50°-60°	1386.1	20.0
60°-70°	1636.0	23.6
70°-80°	1298.4	18.7
80°-90°	516.2	7.4
90°-100°	136.4	2.0
100°-110°	52.6	0.8
110°-120°	25.6	0.4
120°-130°	14.5	0.2
130°-140°	8.6	0.1
140°-150°	4.0	0.1
150°-160°	1.3	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6694.2	96.5
0°-180°	6938.0	100.0

Coefficient of Utilization



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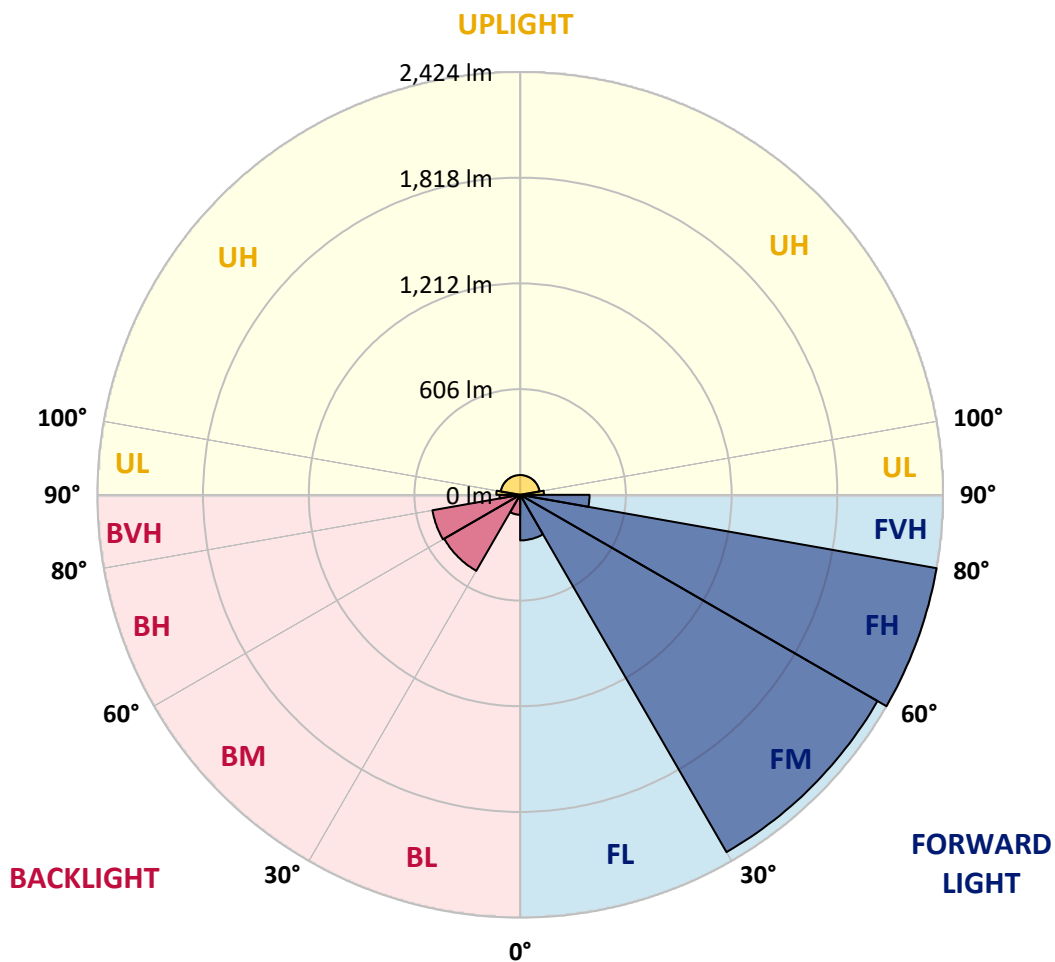
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.1	3.8			
FM	(30°-60°)	2364.8	34.1			
FH	(60°-80°)	2423.6	34.9			G2/5000
FVH	(80°-90°)	397.5	5.7			G3/500
BL	(0°-30°)	114.4	1.6	B1/500		
BM	(30°-60°)	503.3	7.3	B1/1000		
BH	(60°-80°)	510.8	7.4	B2/1000		G2/1000
BVH	(80°-90°)	118.7	1.7			G2/225
UL	(90°-100°)	136.4	2.0		U3/500	
UH	(100°-180°)	113.1	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°	72.5°	75°	85°
0°	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8
2.5°	195.0	195.8	195.0	195.0	193.3	192.5	187.6	184.4	181.9	180.3	177.8
5°	226.0	227.6	226.8	226.8	222.7	220.3	214.5	208.0	203.1	202.3	195.0
7.5°	267.6	266.8	263.5	262.7	261.0	257.0	248.8	239.0	234.1	232.5	221.9
10°	319.0	314.9	316.5	310.8	307.5	301.0	293.7	286.3	276.5	276.5	261.9
12.5°	370.4	379.3	376.9	368.7	362.2	351.6	342.6	340.2	328.8	330.4	316.5
15°	454.4	453.6	446.2	440.5	427.5	414.4	406.3	400.5	397.3	394.8	379.3
17.5°	543.3	538.4	532.7	515.6	496.8	485.4	478.0	472.3	476.4	475.6	456.8
20°	646.1	640.4	632.2	601.2	576.8	558.8	554.7	561.3	563.7	570.2	551.5
22.5°	760.3	757.9	738.3	703.2	661.6	637.9	633.9	649.4	668.1	671.4	658.3
25°	897.4	894.1	867.2	816.6	761.9	726.0	726.0	750.5	781.5	788.9	782.3
27.5°	1044.2	1036.0	1001.0	939.0	863.9	817.4	811.7	855.7	899.0	920.2	912.0
30°	1213.1	1211.4	1153.5	1077.6	987.9	913.7	911.2	975.7	1036.8	1046.6	1048.3
32.5°	1386.8	1400.7	1333.8	1220.4	1111.9	1024.6	1020.5	1093.1	1178.0	1195.1	1195.1
35°	1587.5	1588.3	1505.9	1393.3	1244.9	1145.3	1133.9	1220.4	1315.0	1338.7	1351.7
37.5°	1789.8	1784.9	1710.7	1555.7	1389.3	1269.3	1258.7	1360.7	1468.4	1506.7	1504.3
40°	1988.9	2002.7	1908.9	1737.6	1536.9	1415.4	1389.3	1509.2	1633.2	1676.4	1659.3
42.5°	2203.4	2200.1	2116.1	1925.2	1701.7	1556.5	1541.0	1665.0	1802.9	1851.8	1836.3
45°	2391.0	2389.4	2298.0	2107.1	1859.1	1719.7	1698.4	1829.8	2002.7	2048.4	2016.6
47.5°	2564.0	2559.9	2465.3	2271.1	1997.0	1875.5	1877.1	2011.7	2195.2	2270.3	2221.4
50°	2697.8	2683.9	2624.3	2414.7	2146.3	2039.4	2070.4	2228.7	2424.5	2492.2	2439.2
52.5°	2769.6	2748.3	2701.8	2515.0	2287.4	2201.8	2261.3	2449.0	2642.3	2706.7	2648.8
55°	2735.3	2735.3	2709.2	2576.2	2387.8	2350.2	2470.2	2659.4	2860.9	2931.9	2880.5
57.5°	2597.4	2618.6	2630.9	2559.9	2457.1	2497.1	2687.2	2899.3	3092.6	3170.9	3103.2
60°	2356.0	2361.7	2451.4	2471.8	2484.8	2621.9	2912.3	3165.2	3339.0	3401.0	3324.3
62.5°	2014.1	2041.1	2150.4	2301.3	2444.1	2725.5	3148.9	3432.8	3589.4	3631.0	3519.3
65°	1634.0	1627.5	1829.8	2055.8	2331.5	2755.7	3339.8	3692.2	3813.7	3869.2	3675.1
67.5°	1239.2	1235.1	1421.9	1753.1	2140.6	2723.9	3494.8	3912.5	4046.2	4047.9	3773.0
70°	878.6	885.1	1050.7	1402.3	1894.2	2578.7	3513.5	4080.5	4129.4	4109.9	3713.4
72.5°	596.3	601.2	758.7	1074.4	1567.9	2343.7	3356.9	4062.6	4051.1	3996.5	3468.7
75°	384.2	416.9	533.5	816.6	1269.3	2005.2	3052.6	3805.6	3746.0	3655.5	3043.7
77.5°	265.1	281.4	371.2	594.7	992.0	1656.0	2621.1	3289.2	3227.2	3116.3	2453.8
80°	179.5	186.8	255.3	444.6	780.7	1302.0	2135.7	2648.0	2541.1	2426.9	1840.4
82.5°	119.9	133.8	183.5	319.0	590.6	1005.0	1624.2	2022.3	1852.6	1753.9	1293.0
85°	79.9	87.3	130.5	231.7	427.5	731.7	1169.0	1373.8	1224.5	1137.2	826.4
87.5°	53.8	60.4	93.0	165.6	316.5	531.9	783.1	887.6	767.6	713.0	500.1
90°	35.9	40.0	68.5	119.1	223.5	371.2	528.6	548.2	470.7	437.3	305.9
92.5°	25.3	29.4	51.4	88.1	156.6	257.8	339.4	332.0	277.4	261.0	197.4
95°	19.6	22.8	40.0	67.7	114.2	177.0	221.1	202.3	175.4	169.7	136.2
97.5°	17.1	18.8	33.4	54.7	86.5	125.6	143.6	137.1	118.3	115.0	99.5
100°	15.5	17.1	29.4	47.3	69.3	92.2	102.8	95.4	85.7	83.2	73.4
102.5°	14.7	15.5	26.1	40.8	57.1	72.6	79.1	71.0	63.6	62.8	56.3
105°	13.9	14.7	22.8	35.1	48.1	59.6	62.0	55.5	49.8	47.3	42.4
107.5°	13.1	13.1	20.4	31.0	41.6	49.8	51.4	44.9	38.3	36.7	33.4
110°	12.2	13.1	18.8	27.7	36.7	43.2	43.2	36.7	30.2	28.6	26.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.2	12.2	17.1	24.5	32.6	37.5	36.7	30.2	24.5	22.0	22.0
115°	11.4	12.2	16.3	22.8	29.4	32.6	31.0	25.3	19.6	17.9	18.8
117.5°	11.4	12.2	14.7	20.4	26.1	28.6	26.9	21.2	16.3	15.5	17.1
120°	11.4	12.2	14.7	18.8	22.8	25.3	23.7	17.9	14.7	13.9	15.5
122.5°	12.2	12.2	13.9	17.1	21.2	22.8	20.4	15.5	13.1	12.2	13.9
125°	12.2	12.2	13.9	16.3	19.6	20.4	17.9	13.9	11.4	11.4	13.1
127.5°	12.2	12.2	13.9	15.5	17.9	17.9	16.3	12.2	10.6	10.6	12.2
130°	12.2	12.2	13.1	14.7	16.3	16.3	13.9	10.6	9.8	9.8	11.4
132.5°	13.1	13.1	13.1	13.9	14.7	14.7	12.2	9.8	9.0	9.0	11.4
135°	12.2	12.2	12.2	13.1	13.1	13.1	10.6	9.0	8.2	9.0	10.6
137.5°	11.4	11.4	12.2	12.2	12.2	11.4	9.0	7.3	7.3	8.2	9.8
140°	11.4	10.6	11.4	11.4	10.6	9.8	8.2	6.5	6.5	7.3	8.2
142.5°	9.8	9.8	9.8	9.8	9.0	8.2	6.5	5.7	6.5	6.5	7.3
145°	9.0	9.0	9.0	8.2	8.2	6.5	4.9	4.9	4.9	5.7	6.5
147.5°	7.3	7.3	7.3	7.3	6.5	5.7	3.3	4.1	4.1	4.1	4.9
150°	5.7	5.7	6.5	5.7	4.9	4.1	2.4	3.3	4.1	4.1	4.1
152.5°	4.9	4.9	4.9	4.9	4.1	2.4	2.4	3.3	3.3	3.3	4.1
155°	3.3	3.3	3.3	3.3	2.4	1.6	2.4	2.4	3.3	3.3	3.3
157.5°	1.6	1.6	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	1.6	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8
2.5°	176.2	174.6	171.3	168.0	165.6	163.2	161.5	159.1	157.4	157.4	157.4
5°	190.1	188.4	180.3	172.1	164.8	158.3	153.4	147.7	145.2	142.8	143.6
7.5°	217.8	212.1	199.0	185.2	172.9	159.9	150.1	141.9	137.1	133.8	133.8
10°	255.3	246.4	226.8	205.6	185.2	166.4	151.7	140.3	132.2	128.9	128.9
12.5°	303.5	294.5	264.3	232.5	201.5	174.6	155.8	141.1	132.2	128.1	128.1
15°	367.9	352.4	311.6	265.9	221.1	184.4	159.9	147.7	141.9	139.5	139.5
17.5°	444.6	421.8	368.7	300.2	240.7	194.2	170.5	159.1	154.2	153.4	153.4
20°	534.3	505.8	425.8	334.5	256.2	206.4	179.5	169.7	168.0	168.9	168.9
22.5°	636.3	594.7	484.6	365.5	270.8	213.7	186.0	177.8	179.5	183.5	182.7
25°	744.0	699.9	549.0	393.2	280.6	217.0	190.1	185.2	191.7	196.6	196.6
27.5°	869.6	801.1	607.8	412.8	283.1	214.5	190.9	188.4	197.4	204.8	206.4
30°	997.7	909.6	658.3	425.0	278.2	208.8	187.6	189.3	199.9	209.7	210.5
32.5°	1127.4	1012.4	699.9	427.5	270.0	201.5	184.4	187.6	199.0	209.7	211.3
35°	1256.3	1108.6	727.7	418.5	257.0	194.2	178.7	184.4	195.8	208.0	209.7
37.5°	1382.7	1200.0	744.8	403.8	243.9	187.6	174.6	180.3	191.7	205.6	207.2
40°	1520.6	1297.9	754.6	386.7	230.9	181.9	172.1	177.8	189.3	202.3	204.8
42.5°	1647.0	1387.6	755.4	365.5	221.1	179.5	170.5	175.4	186.0	199.9	202.3
45°	1811.8	1479.8	755.4	347.5	214.5	178.7	170.5	174.6	184.4	199.0	202.3
47.5°	1967.6	1585.9	757.0	332.0	211.3	180.3	172.1	173.8	181.9	199.0	202.3
50°	2148.7	1687.8	770.1	320.6	210.5	183.5	174.6	172.9	179.5	197.4	201.5
52.5°	2329.0	1822.4	786.4	312.4	212.1	186.8	176.2	172.9	177.0	193.3	198.2
55°	2526.5	1950.5	804.4	313.3	215.4	190.1	178.7	172.1	173.8	186.8	191.7
57.5°	2723.9	2100.6	843.5	318.2	219.4	194.2	181.1	172.1	169.7	179.5	183.5
60°	2896.8	2232.8	884.3	328.8	225.2	198.2	182.7	171.3	166.4	172.1	175.4
62.5°	3079.5	2377.2	916.9	337.7	231.7	201.5	182.7	170.5	164.0	168.0	169.7
65°	3198.7	2462.8	934.1	349.2	238.2	203.9	183.5	168.9	163.2	165.6	167.2
67.5°	3259.8	2476.7	922.6	353.2	243.9	205.6	182.7	167.2	164.0	165.6	167.2
70°	3187.2	2384.5	868.0	350.8	245.5	205.6	181.1	165.6	164.0	166.4	167.2
72.5°	2924.6	2162.6	787.2	338.5	243.1	202.3	178.7	163.2	163.2	167.2	167.2
75°	2518.3	1843.6	681.2	319.8	236.6	197.4	173.8	159.1	160.7	166.4	166.4
77.5°	2016.6	1458.6	561.3	292.9	224.3	189.3	167.2	153.4	157.4	164.0	163.2
80°	1501.0	1086.6	451.9	262.7	208.0	177.8	158.3	146.8	152.5	158.3	156.6
82.5°	1000.1	762.7	357.3	230.9	190.9	166.4	148.5	137.9	145.2	150.9	148.5
85°	649.4	508.2	276.5	199.0	172.9	153.4	136.2	128.1	135.4	140.3	137.9
87.5°	404.6	341.0	210.5	169.7	154.2	138.7	125.6	116.7	124.0	128.9	125.6
90°	267.6	228.4	165.6	146.8	137.1	124.8	112.6	106.1	113.4	115.0	112.6
92.5°	176.2	161.5	134.6	125.6	120.7	110.9	102.0	96.3	102.0	102.8	101.2
95°	126.4	122.4	110.9	109.3	106.9	98.7	91.4	86.5	89.7	90.6	87.3
97.5°	96.3	95.4	94.6	94.6	93.0	87.3	80.8	76.7	78.3	77.5	75.1
100°	75.1	76.7	79.1	80.8	79.9	75.9	71.0	67.7	68.5	65.3	62.8
102.5°	58.7	62.0	66.1	68.5	68.5	65.3	62.8	59.6	57.1	53.0	52.2
105°	46.5	48.9	54.7	58.7	58.7	57.1	54.7	50.6	48.1	43.2	43.2
107.5°	36.7	40.0	46.5	49.8	50.6	48.9	47.3	44.1	40.0	35.1	35.1
110°	29.4	31.8	39.2	42.4	43.2	42.4	40.8	36.7	32.6	29.4	29.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.5	26.9	32.6	35.9	37.5	36.7	35.1	31.0	26.9	24.5	24.5
115°	21.2	23.7	27.7	31.0	31.8	31.8	29.4	26.9	22.0	21.2	21.2
117.5°	18.8	20.4	24.5	26.9	28.6	27.7	25.3	22.8	19.6	18.8	18.8
120°	17.1	18.8	22.0	24.5	24.5	23.7	22.0	19.6	17.1	16.3	17.1
122.5°	15.5	17.1	19.6	21.2	21.2	21.2	19.6	17.1	14.7	14.7	15.5
125°	14.7	15.5	17.9	18.8	19.6	18.8	17.1	14.7	13.1	13.9	13.9
127.5°	13.9	14.7	16.3	17.1	17.1	16.3	14.7	13.1	11.4	12.2	13.1
130°	13.1	13.9	14.7	15.5	15.5	14.7	13.1	11.4	10.6	11.4	11.4
132.5°	11.4	12.2	13.1	13.9	13.1	13.1	11.4	9.8	9.8	10.6	10.6
135°	10.6	11.4	11.4	12.2	11.4	11.4	9.8	9.0	9.0	9.8	9.8
137.5°	9.8	10.6	10.6	10.6	9.8	9.8	9.0	8.2	8.2	8.2	9.0
140°	9.0	9.0	9.0	9.0	8.2	8.2	7.3	6.5	7.3	7.3	7.3
142.5°	8.2	8.2	8.2	7.3	7.3	6.5	5.7	5.7	6.5	6.5	6.5
145°	6.5	6.5	6.5	5.7	5.7	4.9	4.9	4.9	5.7	5.7	5.7
147.5°	5.7	5.7	5.7	4.9	4.1	4.1	4.1	4.1	4.9	4.9	4.9
150°	4.9	4.9	4.9	4.1	3.3	3.3	2.4	3.3	4.1	4.1	4.1
152.5°	4.1	4.1	4.1	4.1	3.3	1.6	2.4	3.3	3.3	3.3	3.3
155°	3.3	3.3	4.1	3.3	2.4	0.8	1.6	2.4	2.4	2.4	2.4
157.5°	3.3	3.3	3.3	2.4	1.6	0.8	1.6	1.6	2.4	1.6	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	0.8	0.8	0.8
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)