

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: P414045

Luminaire Tested: **LXF.LXT-PA1-100-830-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414045
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-PA1-100-830-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7379 lumens
Efficiency: N/A
Efficacy: 76.9 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

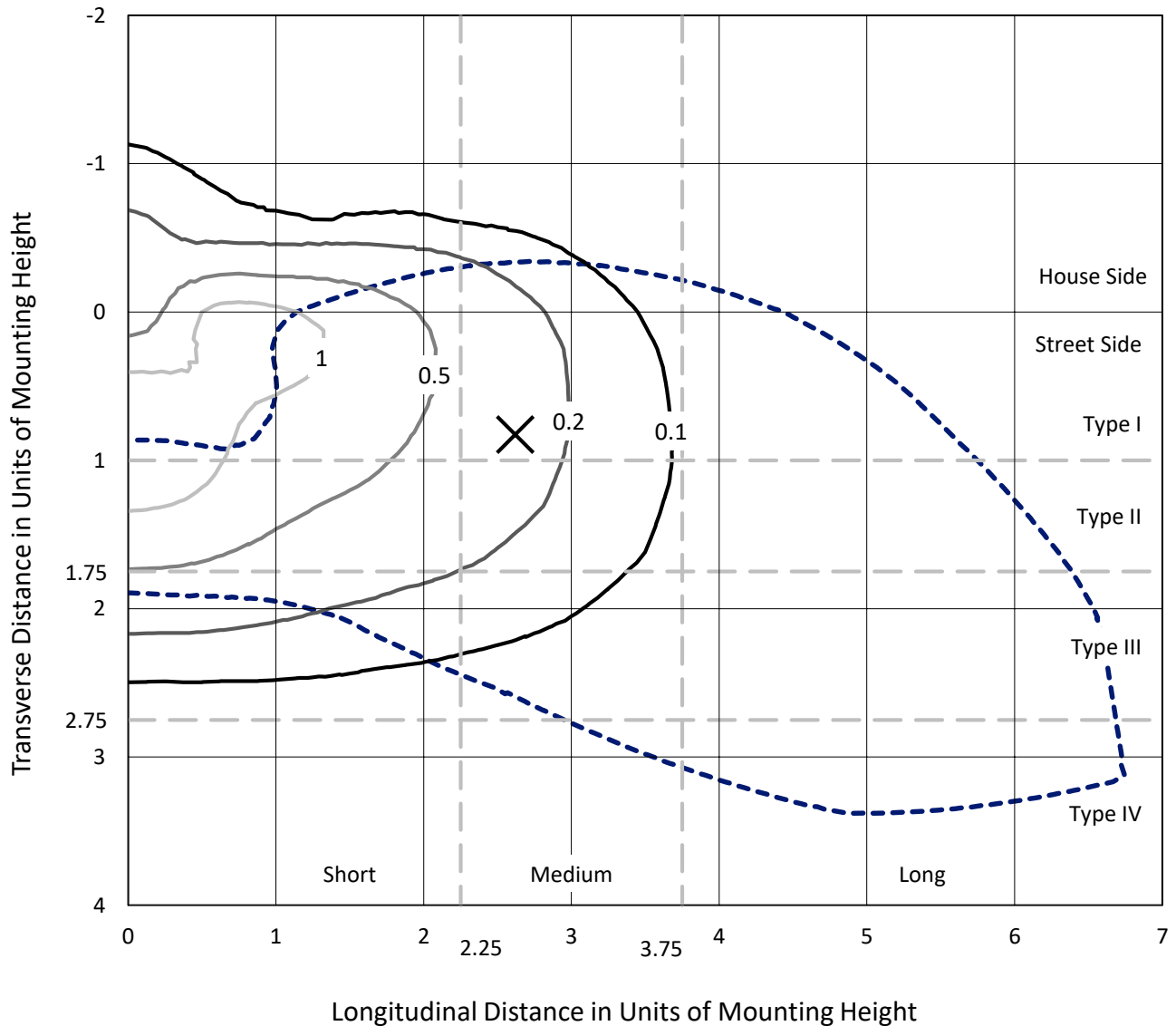
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

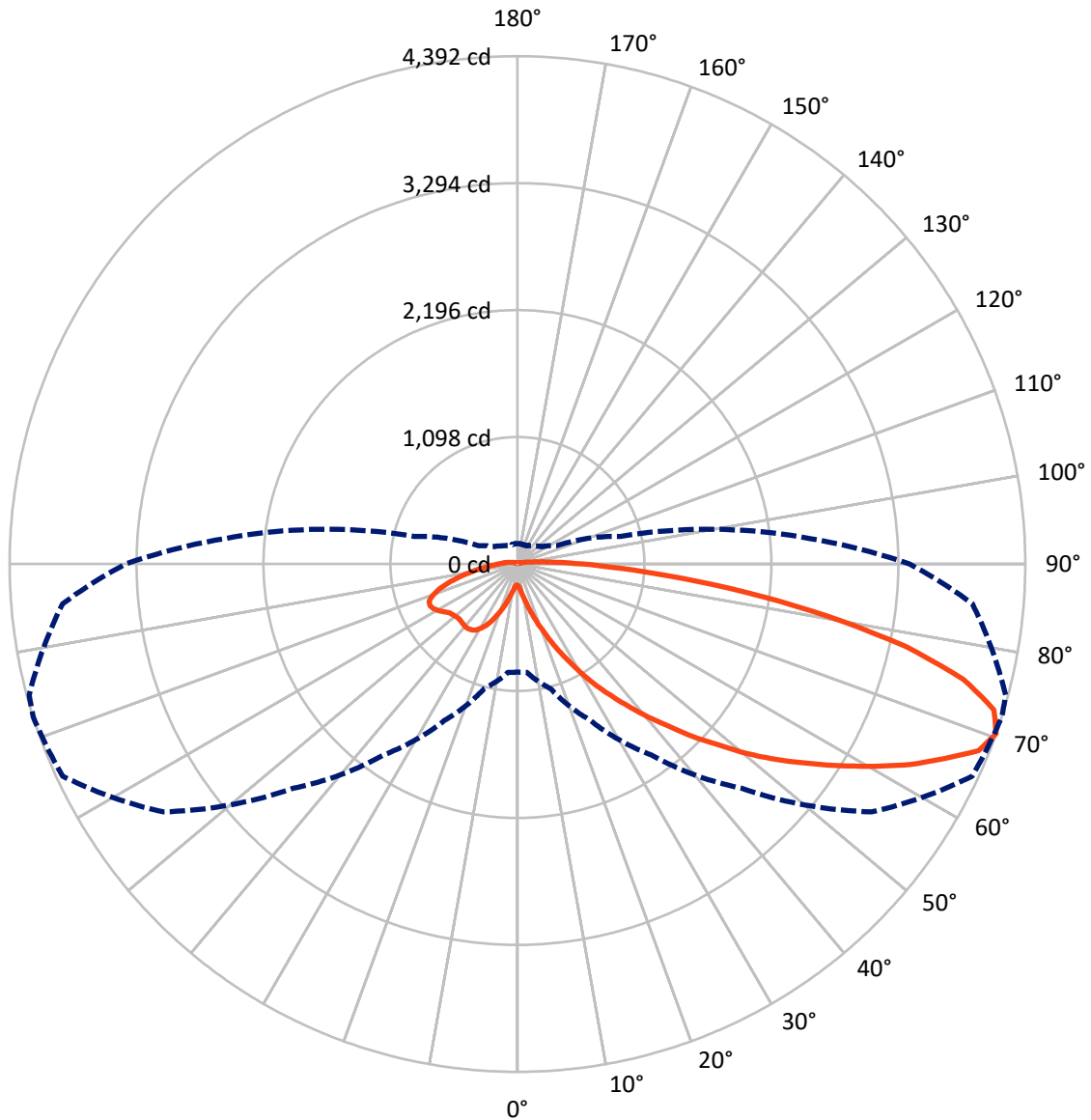


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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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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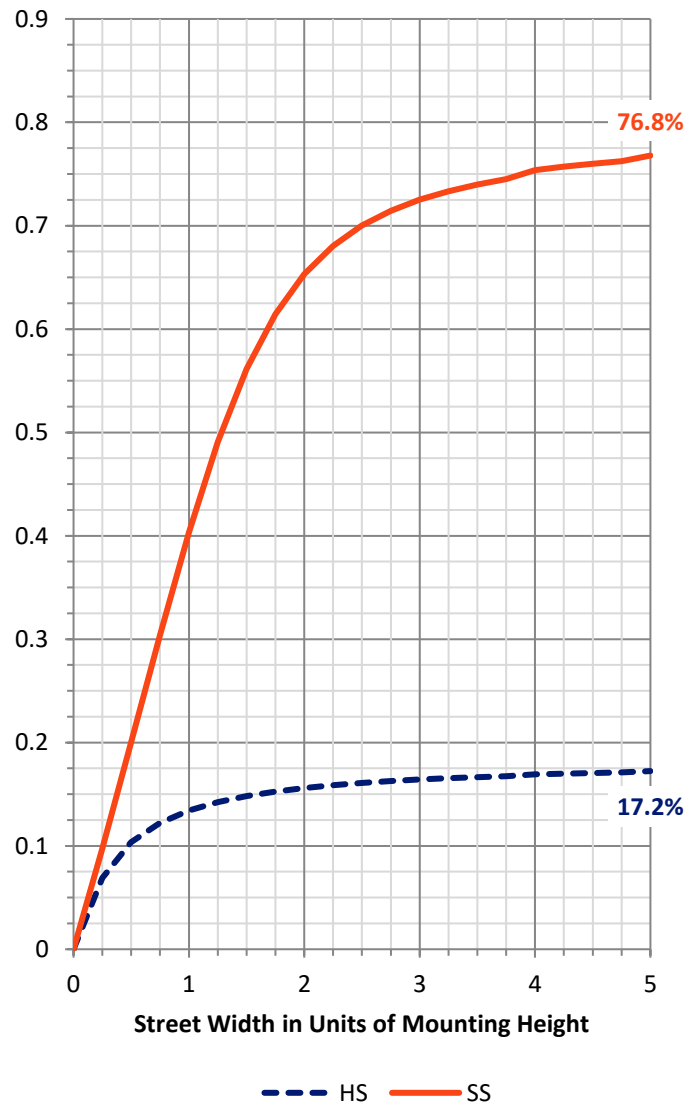
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1326.5	120.3	1446.8
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5793.2	138.9	5932.1
	% Fixture	78.5	1.9	80.4
Total	Lumens	7119.7	259.3	7379.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.3
10°-20°	99.9	1.4
20°-30°	278.8	3.8
30°-40°	577.9	7.8
40°-50°	998.2	13.5
50°-60°	1474.2	20.0
60°-70°	1740.0	23.6
70°-80°	1380.9	18.7
80°-90°	549.0	7.4
90°-100°	145.1	2.0
100°-110°	56.0	0.8
110°-120°	27.3	0.4
120°-130°	15.5	0.2
130°-140°	9.1	0.1
140°-150°	4.3	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7119.7	96.5
0°-180°	7379.0	100.0

Coefficient of Utilization



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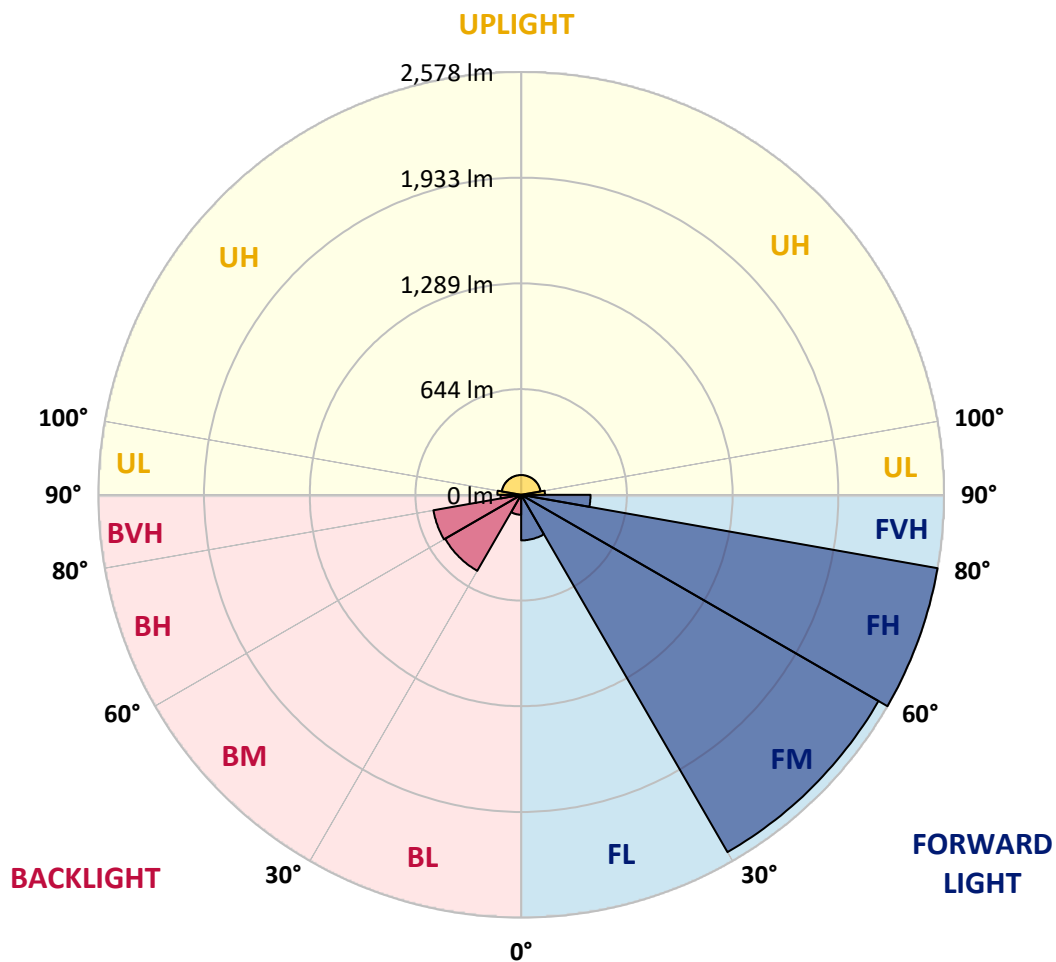
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.7	3.8			
FM (30°-60°)	2515.1	34.1			
FH (60°-80°)	2577.6	34.9			G2/5000
FVH (80°-90°)	422.8	5.7			G3/500
BL (0°-30°)	121.7	1.6	B1/500		
BM (30°-60°)	535.3	7.3	B1/1000		
BH (60°-80°)	543.3	7.4	B2/1000		G2/1000
BVH (80°-90°)	126.2	1.7			G2/225
UL (90°-100°)	145.1	2.0		U3/500	
UH (100°-180°)	120.3	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°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8
2.5°	207.4	208.2	207.4	207.4	205.6	204.8	199.6	196.1	193.5	191.7	189.1
5°	240.3	242.1	241.2	241.2	236.9	234.3	228.2	221.2	216.0	215.2	207.4
7.5°	284.6	283.7	280.2	279.4	277.6	273.3	264.6	254.2	249.0	247.3	236.0
10°	339.2	334.9	336.6	330.6	327.1	320.2	312.3	304.5	294.1	294.1	278.5
12.5°	393.9	403.4	400.8	392.2	385.2	373.9	364.4	361.8	349.7	351.4	336.6
15°	483.3	482.4	474.6	468.5	454.6	440.8	432.1	426.0	422.5	419.9	403.4
17.5°	577.8	572.6	566.6	548.3	528.4	516.2	508.4	502.4	506.7	505.8	485.9
20°	687.2	681.1	672.4	639.4	613.4	594.3	590.0	596.9	599.5	606.5	586.5
22.5°	808.6	806.0	785.2	747.9	703.6	678.5	674.1	690.6	710.6	714.1	700.2
25°	954.4	950.9	922.3	868.5	810.4	772.2	772.2	798.2	831.2	839.0	832.1
27.5°	1110.6	1101.9	1064.6	998.6	918.8	869.4	863.3	910.1	956.1	978.7	970.0
30°	1290.2	1288.4	1226.8	1146.1	1050.7	971.7	969.1	1037.7	1102.8	1113.2	1114.9
32.5°	1475.0	1489.7	1418.6	1298.0	1182.6	1089.7	1085.4	1162.6	1252.9	1271.1	1271.1
35°	1688.4	1689.3	1601.6	1481.9	1324.0	1218.1	1206.0	1298.0	1398.6	1423.8	1437.7
37.5°	1903.6	1898.4	1819.4	1654.6	1477.6	1350.0	1338.7	1447.2	1561.7	1602.5	1599.9
40°	2115.3	2130.0	2030.2	1848.0	1634.6	1505.3	1477.6	1605.1	1737.0	1783.0	1764.8
42.5°	2343.5	2340.0	2250.6	2047.6	1809.9	1655.4	1638.9	1770.8	1917.5	1969.5	1953.0
45°	2543.0	2541.3	2444.1	2241.1	1977.3	1829.0	1806.4	1946.1	2130.0	2178.6	2144.8
47.5°	2727.0	2722.6	2622.0	2415.5	2124.0	1994.7	1996.4	2139.6	2334.8	2414.6	2362.5
50°	2869.2	2854.5	2791.2	2568.2	2282.7	2169.1	2202.0	2370.4	2578.6	2650.6	2594.2
52.5°	2945.6	2923.0	2873.6	2674.9	2432.8	2341.7	2405.1	2604.6	2810.2	2878.8	2817.2
55°	2909.2	2909.2	2881.4	2740.0	2539.5	2499.6	2627.2	2828.5	3042.8	3118.3	3063.6
57.5°	2762.5	2785.1	2798.1	2722.6	2613.3	2655.8	2858.0	3083.5	3289.2	3372.5	3300.5
60°	2505.7	2511.8	2607.2	2628.9	2642.8	2788.6	3097.4	3366.4	3551.2	3617.1	3535.6
62.5°	2142.2	2170.8	2287.1	2447.6	2599.4	2898.7	3349.0	3651.0	3817.6	3861.8	3742.9
65°	1737.9	1730.9	1946.1	2186.4	2479.7	2930.8	3552.1	3926.9	4056.2	4115.2	3908.7
67.5°	1317.9	1313.6	1512.3	1864.5	2276.7	2897.0	3716.9	4161.1	4303.4	4305.2	4012.8
70°	934.4	941.4	1117.5	1491.5	2014.6	2742.6	3736.9	4339.9	4391.9	4371.1	3949.4
72.5°	634.2	639.4	806.9	1142.7	1667.6	2492.7	3570.3	4320.8	4308.6	4250.5	3689.2
75°	408.7	443.4	567.4	868.5	1350.0	2132.6	3246.7	4047.5	3984.1	3887.8	3237.1
77.5°	282.0	299.3	394.8	632.5	1055.0	1761.3	2787.7	3498.3	3432.3	3314.3	2609.8
80°	190.9	198.7	271.6	472.9	830.3	1384.7	2271.4	2816.3	2702.7	2581.2	1957.4
82.5°	127.5	142.3	195.2	339.2	628.2	1068.9	1727.4	2150.8	1970.4	1865.4	1375.2
85°	85.0	92.8	138.8	246.4	454.6	778.3	1243.3	1461.1	1302.3	1209.5	878.9
87.5°	57.3	64.2	98.9	176.1	336.6	565.7	832.9	944.0	816.4	758.3	531.9
90°	38.2	42.5	72.9	126.7	237.7	394.8	562.2	583.0	500.6	465.0	325.4
92.5°	26.9	31.2	54.7	93.7	166.6	274.2	360.9	353.1	295.0	277.6	210.0
95°	20.8	24.3	42.5	72.0	121.5	188.3	235.1	215.2	186.5	180.5	144.9
97.5°	18.2	20.0	35.6	58.1	92.0	133.6	152.7	145.8	125.8	122.3	105.9
100°	16.5	18.2	31.2	50.3	73.7	98.0	109.3	101.5	91.1	88.5	78.1
102.5°	15.6	16.5	27.8	43.4	60.7	77.2	84.2	75.5	67.7	66.8	59.9
105°	14.7	15.6	24.3	37.3	51.2	63.3	65.9	59.0	52.9	50.3	45.1
107.5°	13.9	13.9	21.7	33.0	44.2	52.9	54.7	47.7	40.8	39.0	35.6
110°	13.0	13.9	20.0	29.5	39.0	46.0	46.0	39.0	32.1	30.4	28.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.0	13.0	18.2	26.0	34.7	39.9	39.0	32.1	26.0	23.4	23.4
115°	12.1	13.0	17.4	24.3	31.2	34.7	33.0	26.9	20.8	19.1	20.0
117.5°	12.1	13.0	15.6	21.7	27.8	30.4	28.6	22.6	17.4	16.5	18.2
120°	12.1	13.0	15.6	20.0	24.3	26.9	25.2	19.1	15.6	14.7	16.5
122.5°	13.0	13.0	14.7	18.2	22.6	24.3	21.7	16.5	13.9	13.0	14.7
125°	13.0	13.0	14.7	17.4	20.8	21.7	19.1	14.7	12.1	12.1	13.9
127.5°	13.0	13.0	14.7	16.5	19.1	19.1	17.4	13.0	11.3	11.3	13.0
130°	13.0	13.0	13.9	15.6	17.4	17.4	14.7	11.3	10.4	10.4	12.1
132.5°	13.9	13.9	13.9	14.7	15.6	15.6	13.0	10.4	9.5	9.5	12.1
135°	13.0	13.0	13.0	13.9	13.9	13.9	11.3	9.5	8.7	9.5	11.3
137.5°	12.1	12.1	13.0	13.0	13.0	12.1	9.5	7.8	7.8	8.7	10.4
140°	12.1	11.3	12.1	12.1	11.3	10.4	8.7	6.9	6.9	7.8	8.7
142.5°	10.4	10.4	10.4	10.4	9.5	8.7	6.9	6.1	6.9	6.9	7.8
145°	9.5	9.5	9.5	8.7	8.7	6.9	5.2	5.2	5.2	6.1	6.9
147.5°	7.8	7.8	7.8	7.8	6.9	6.1	3.5	4.3	4.3	4.3	5.2
150°	6.1	6.1	6.9	6.1	5.2	4.3	2.6	3.5	4.3	4.3	4.3
152.5°	5.2	5.2	5.2	5.2	4.3	2.6	2.6	3.5	3.5	3.5	4.3
155°	3.5	3.5	3.5	3.5	2.6	1.7	2.6	2.6	3.5	3.5	3.5
157.5°	1.7	1.7	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
160°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
162.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
165°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
167.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
170°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
172.5°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
175°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
177.5°	0.0	0.9	1.7	1.7	2.6	1.7	1.7	1.7	1.7	1.7	2.6
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8
2.5°	187.4	185.7	182.2	178.7	176.1	173.5	171.8	169.2	167.5	167.5	167.5
5°	202.2	200.4	191.7	183.1	175.3	168.3	163.1	157.0	154.4	151.8	152.7
7.5°	231.7	225.6	211.7	197.0	183.9	170.1	159.6	151.0	145.8	142.3	142.3
10°	271.6	262.0	241.2	218.6	197.0	177.0	161.4	149.2	140.6	137.1	137.1
12.5°	322.8	313.2	281.1	247.3	214.3	185.7	165.7	150.1	140.6	136.2	136.2
15°	391.3	374.8	331.4	282.8	235.1	196.1	170.1	157.0	151.0	148.4	148.4
17.5°	472.9	448.6	392.2	319.3	256.0	206.5	181.3	169.2	164.0	163.1	163.1
20°	568.3	537.9	452.9	355.7	272.4	219.5	190.9	180.5	178.7	179.6	179.6
22.5°	676.7	632.5	515.4	388.7	288.1	227.3	197.8	189.1	190.9	195.2	194.3
25°	791.3	744.4	583.9	418.2	298.5	230.8	202.2	197.0	203.9	209.1	209.1
27.5°	924.9	852.0	646.4	439.0	301.1	228.2	203.0	200.4	210.0	217.8	219.5
30°	1061.1	967.4	700.2	452.0	295.9	222.1	199.6	201.3	212.6	223.0	223.8
32.5°	1199.1	1076.7	744.4	454.6	287.2	214.3	196.1	199.6	211.7	223.0	224.7
35°	1336.1	1179.1	773.9	445.1	273.3	206.5	190.0	196.1	208.2	221.2	223.0
37.5°	1470.6	1276.3	792.1	429.5	259.4	199.6	185.7	191.7	203.9	218.6	220.4
40°	1617.3	1380.4	802.6	411.3	245.5	193.5	183.1	189.1	201.3	215.2	217.8
42.5°	1751.7	1475.8	803.4	388.7	235.1	190.9	181.3	186.5	197.8	212.6	215.2
45°	1927.0	1573.9	803.4	369.6	228.2	190.0	181.3	185.7	196.1	211.7	215.2
47.5°	2092.7	1686.7	805.2	353.1	224.7	191.7	183.1	184.8	193.5	211.7	215.2
50°	2285.3	1795.1	819.0	341.0	223.8	195.2	185.7	183.9	190.9	210.0	214.3
52.5°	2477.1	1938.3	836.4	332.3	225.6	198.7	187.4	183.9	188.3	205.6	210.8
55°	2687.0	2074.5	855.5	333.2	229.1	202.2	190.0	183.1	184.8	198.7	203.9
57.5°	2897.0	2234.1	897.1	338.4	233.4	206.5	192.6	183.1	180.5	190.9	195.2
60°	3080.9	2374.7	940.5	349.7	239.5	210.8	194.3	182.2	177.0	183.1	186.5
62.5°	3275.3	2528.3	975.2	359.2	246.4	214.3	194.3	181.3	174.4	178.7	180.5
65°	3402.0	2619.4	993.4	371.3	253.3	216.9	195.2	179.6	173.5	176.1	177.9
67.5°	3467.0	2634.1	981.3	375.7	259.4	218.6	194.3	177.9	174.4	176.1	177.9
70°	3389.8	2536.1	923.2	373.1	261.2	218.6	192.6	176.1	174.4	177.0	177.9
72.5°	3110.4	2300.1	837.3	360.1	258.6	215.2	190.0	173.5	173.5	177.9	177.9
75°	2678.4	1960.8	724.5	340.1	251.6	210.0	184.8	169.2	170.9	177.0	177.0
77.5°	2144.8	1551.3	596.9	311.5	238.6	201.3	177.9	163.1	167.5	174.4	173.5
80°	1596.4	1155.7	480.7	279.4	221.2	189.1	168.3	156.2	162.2	168.3	166.6
82.5°	1063.7	811.2	380.0	245.5	203.0	177.0	157.9	146.6	154.4	160.5	157.9
85°	690.6	540.5	294.1	211.7	183.9	163.1	144.9	136.2	144.0	149.2	146.6
87.5°	430.3	362.7	223.8	180.5	164.0	147.5	133.6	124.1	131.9	137.1	133.6
90°	284.6	242.9	176.1	156.2	145.8	132.7	119.7	112.8	120.6	122.3	119.7
92.5°	187.4	171.8	143.2	133.6	128.4	118.0	108.5	102.4	108.5	109.3	107.6
95°	134.5	130.1	118.0	116.3	113.7	105.0	97.2	92.0	95.4	96.3	92.8
97.5°	102.4	101.5	100.6	100.6	98.9	92.8	85.9	81.6	83.3	82.4	79.8
100°	79.8	81.6	84.2	85.9	85.0	80.7	75.5	72.0	72.9	69.4	66.8
102.5°	62.5	65.9	70.3	72.9	72.9	69.4	66.8	63.3	60.7	56.4	55.5
105°	49.5	52.1	58.1	62.5	62.5	60.7	58.1	53.8	51.2	46.0	46.0
107.5°	39.0	42.5	49.5	52.9	53.8	52.1	50.3	46.9	42.5	37.3	37.3
110°	31.2	33.8	41.6	45.1	46.0	45.1	43.4	39.0	34.7	31.2	31.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.0	28.6	34.7	38.2	39.9	39.0	37.3	33.0	28.6	26.0	26.0
115°	22.6	25.2	29.5	33.0	33.8	33.8	31.2	28.6	23.4	22.6	22.6
117.5°	20.0	21.7	26.0	28.6	30.4	29.5	26.9	24.3	20.8	20.0	20.0
120°	18.2	20.0	23.4	26.0	26.0	25.2	23.4	20.8	18.2	17.4	18.2
122.5°	16.5	18.2	20.8	22.6	22.6	22.6	20.8	18.2	15.6	15.6	16.5
125°	15.6	16.5	19.1	20.0	20.8	20.0	18.2	15.6	13.9	14.7	14.7
127.5°	14.7	15.6	17.4	18.2	18.2	17.4	15.6	13.9	12.1	13.0	13.9
130°	13.9	14.7	15.6	16.5	16.5	15.6	13.9	12.1	11.3	12.1	12.1
132.5°	12.1	13.0	13.9	14.7	13.9	13.9	12.1	10.4	10.4	11.3	11.3
135°	11.3	12.1	12.1	13.0	12.1	12.1	10.4	9.5	9.5	10.4	10.4
137.5°	10.4	11.3	11.3	11.3	10.4	10.4	9.5	8.7	8.7	8.7	9.5
140°	9.5	9.5	9.5	9.5	8.7	8.7	7.8	6.9	7.8	7.8	7.8
142.5°	8.7	8.7	8.7	7.8	7.8	6.9	6.1	6.1	6.9	6.9	6.9
145°	6.9	6.9	6.9	6.1	6.1	5.2	5.2	5.2	6.1	6.1	6.1
147.5°	6.1	6.1	6.1	5.2	4.3	4.3	4.3	4.3	5.2	5.2	5.2
150°	5.2	5.2	5.2	4.3	3.5	3.5	2.6	3.5	4.3	4.3	4.3
152.5°	4.3	4.3	4.3	4.3	3.5	1.7	2.6	3.5	3.5	3.5	3.5
155°	3.5	3.5	4.3	3.5	2.6	0.9	1.7	2.6	2.6	2.6	2.6
157.5°	3.5	3.5	3.5	2.6	1.7	0.9	1.7	1.7	2.6	1.7	2.6
160°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
162.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	0.9	0.9	0.9
165°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
170°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
175°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)