

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: P417170

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-740-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8886 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

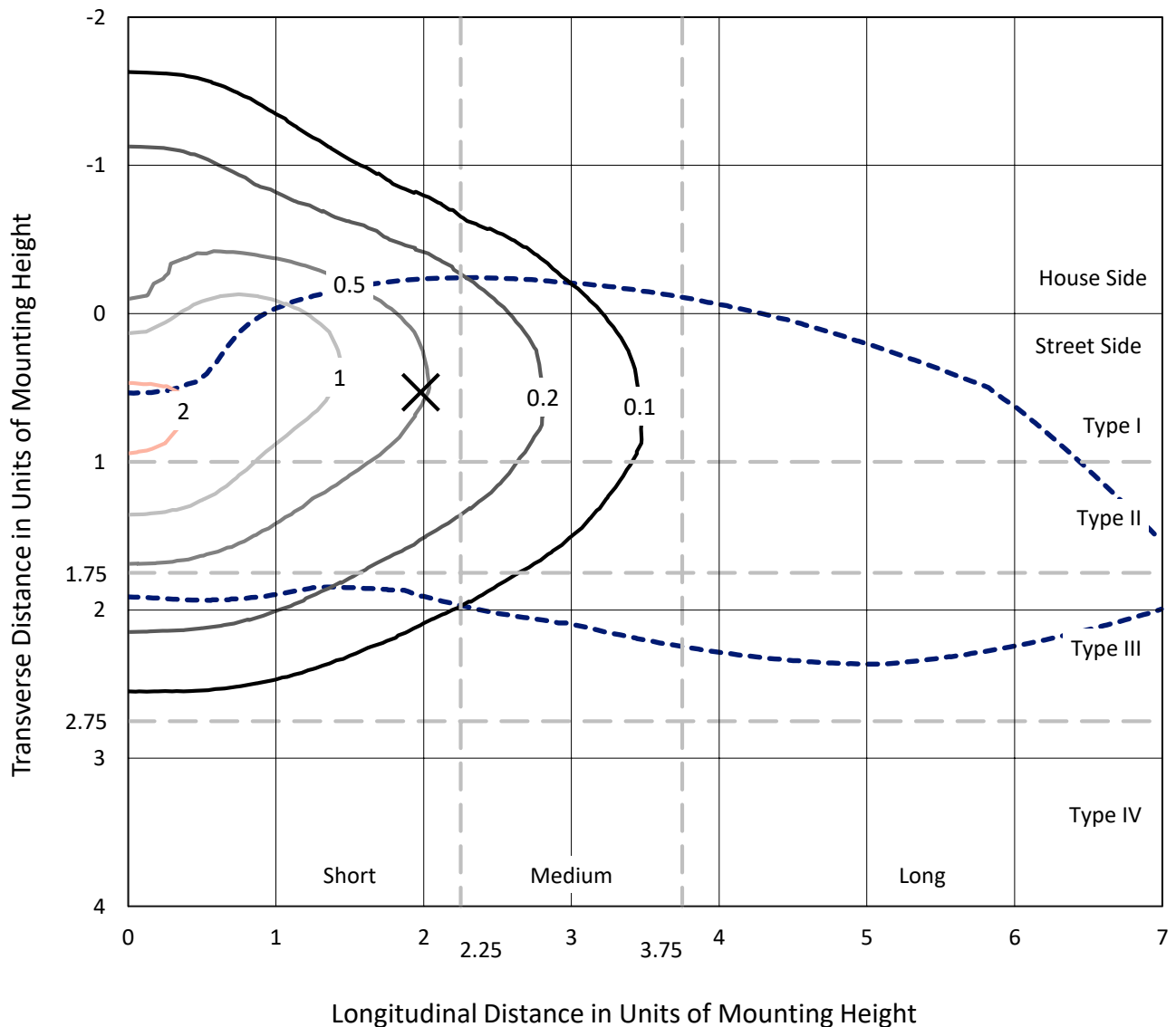
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

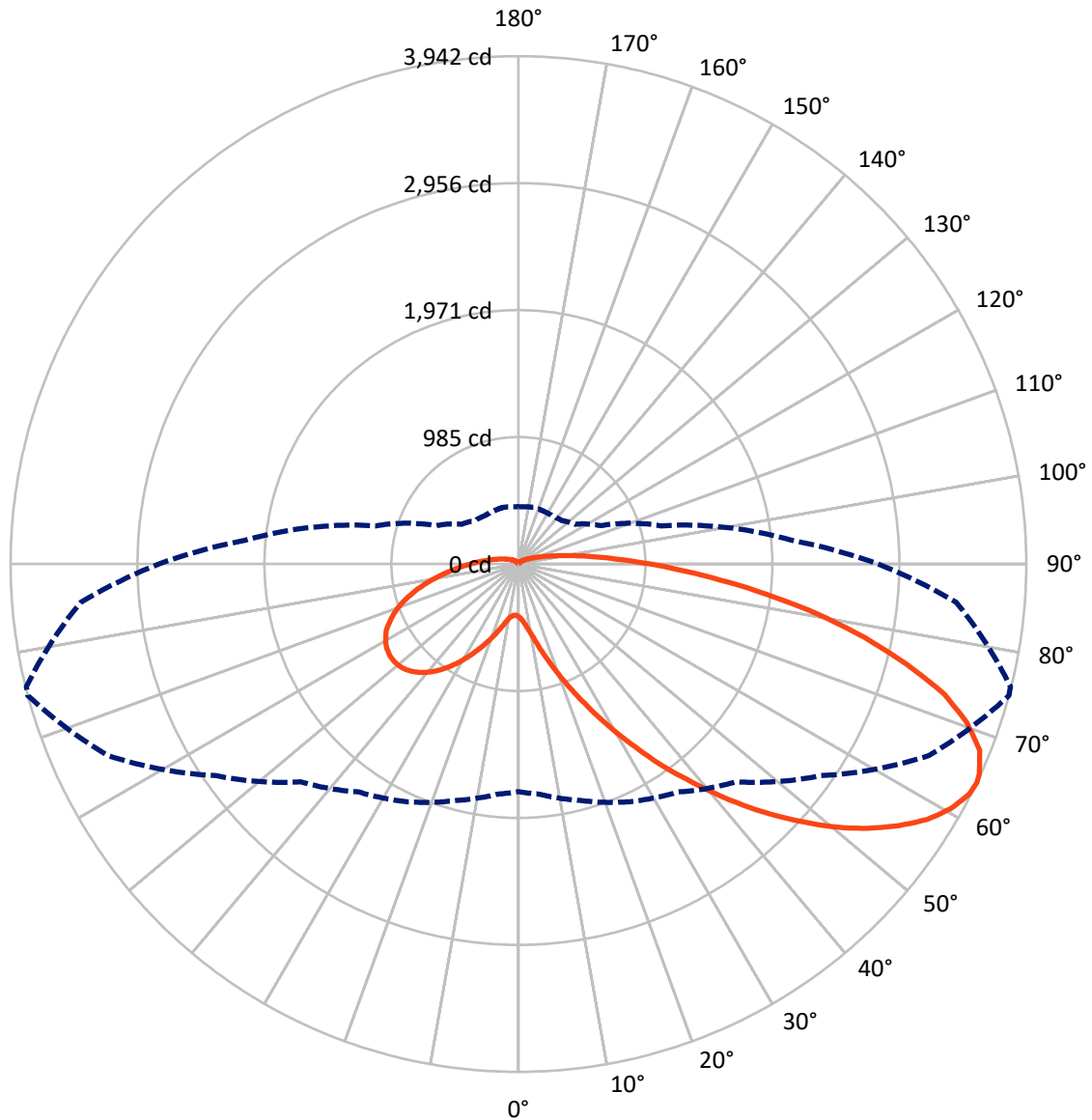


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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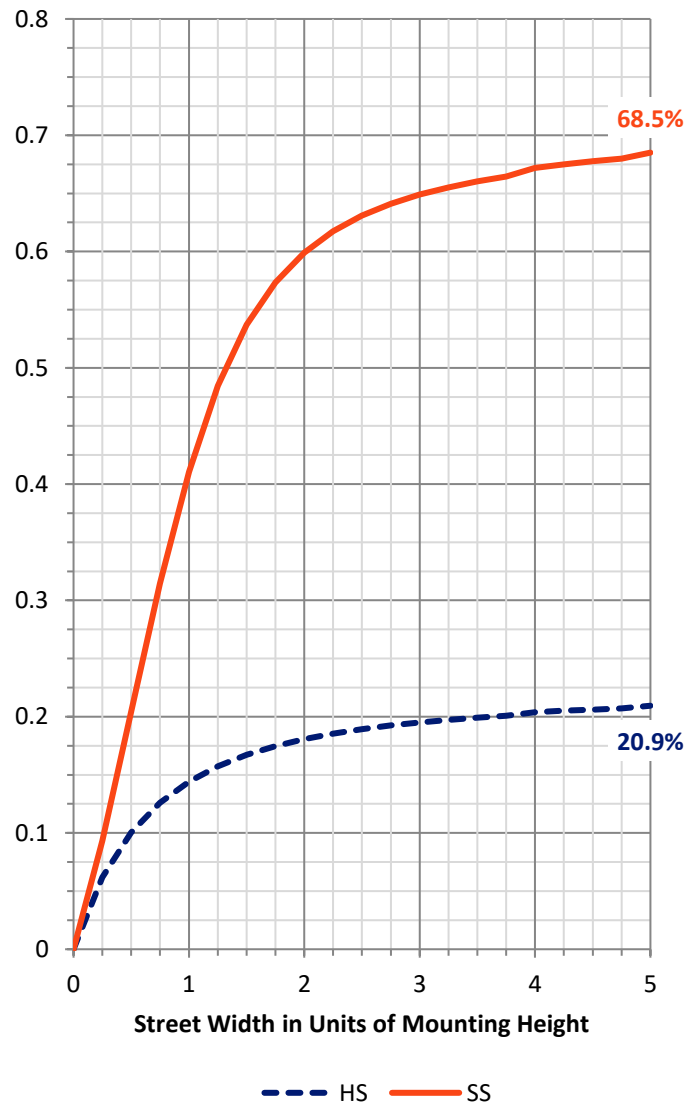
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1959.9	258.1	2218.0
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	6275.3	392.7	6668.0
	% Fixture	70.6	4.4	75.0
Total	Lumens	8235.2	650.8	8886.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	0.5
10°-20°	179.3	2.0
20°-30°	453.7	5.1
30°-40°	888.6	10.0
40°-50°	1382.4	15.6
50°-60°	1695.3	19.1
60°-70°	1648.1	18.5
70°-80°	1242.9	14.0
80°-90°	701.8	7.9
90°-100°	331.0	3.7
100°-110°	159.9	1.8
110°-120°	83.9	0.9
120°-130°	45.2	0.5
130°-140°	22.1	0.2
140°-150°	7.6	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8235.2	92.7
0°-180°	8886.0	100.0



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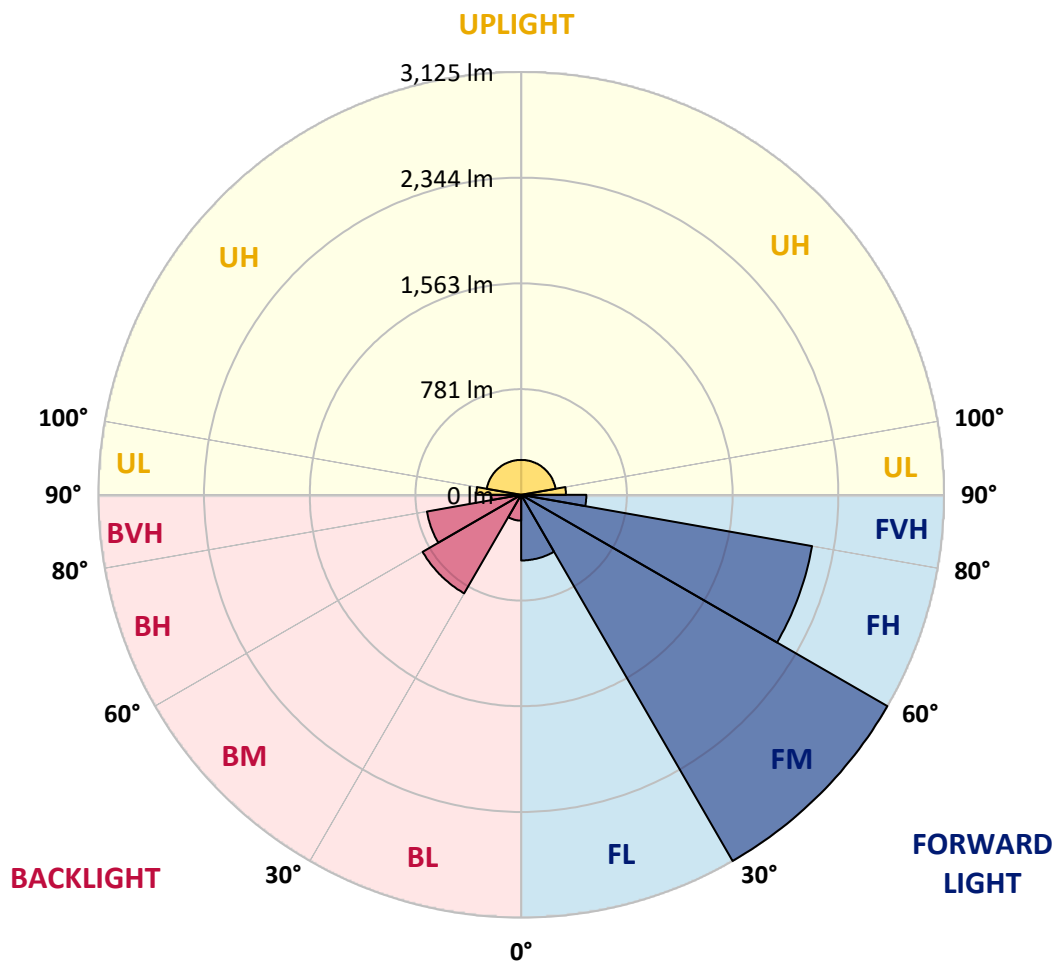
CATALOG NUMBER: LXF.LXT-PA1-90-740-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.4	5.5			
FM	(30°-60°)	3125.2	35.2			
FH	(60°-80°)	2183.3	24.6			G2/5000
FVH	(80°-90°)	481.3	5.4			G3/500
BL	(0°-30°)	190.7	2.1	B1/500		
BM	(30°-60°)	841.1	9.5	B1/1000		
BH	(60°-80°)	707.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	220.5	2.5			G2/225
UL	(90°-100°)	331.0	3.7		U3/500	
UH	(100°-180°)	258.1	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7
2.5°	477.6	473.3	471.2	470.1	462.5	455.0	446.4	437.7	428.0	425.9	417.2
5°	552.0	546.6	544.5	538.0	527.2	514.3	496.0	478.7	457.1	458.2	438.8
7.5°	637.2	632.9	626.4	616.7	600.5	583.3	556.3	530.5	501.3	498.1	470.1
10°	734.2	731.0	724.5	709.4	688.9	659.8	632.9	594.1	553.1	550.9	510.0
12.5°	850.7	846.4	828.0	812.9	786.0	759.0	718.1	671.7	627.5	622.1	571.4
15°	982.2	975.7	962.8	939.1	910.0	865.8	822.6	776.3	718.1	708.3	649.1
17.5°	1117.0	1117.0	1100.8	1072.8	1032.9	994.1	946.6	888.4	815.1	814.0	735.3
20°	1286.2	1284.1	1259.3	1218.3	1178.4	1137.5	1080.3	1014.5	932.6	925.1	829.1
22.5°	1469.5	1467.4	1437.2	1393.0	1341.2	1283.0	1219.4	1150.4	1060.9	1051.2	939.1
25°	1667.9	1666.8	1635.6	1567.6	1501.9	1446.9	1381.1	1304.6	1201.1	1198.9	1064.1
27.5°	1909.4	1897.6	1849.0	1766.0	1683.0	1611.8	1535.3	1466.3	1362.8	1346.6	1196.8
30°	2142.3	2135.8	2070.1	1980.6	1866.3	1772.5	1694.9	1642.0	1535.3	1520.2	1352.0
32.5°	2382.7	2378.4	2298.6	2195.1	2053.9	1937.4	1877.1	1819.9	1717.5	1711.0	1505.1
35°	2649.0	2631.8	2540.1	2397.8	2233.9	2103.5	2049.6	2023.7	1922.4	1898.6	1673.3
37.5°	2866.8	2853.9	2770.9	2597.3	2404.3	2264.1	2223.2	2205.9	2118.6	2108.9	1855.5
40°	3077.1	3067.4	2966.0	2778.4	2558.5	2418.3	2377.3	2406.4	2336.4	2321.3	2038.8
42.5°	3229.1	3216.1	3122.3	2922.9	2692.2	2544.5	2543.4	2610.2	2559.5	2543.4	2228.6
45°	3319.6	3306.7	3229.1	3037.2	2796.7	2654.4	2679.2	2796.7	2781.6	2762.2	2402.1
47.5°	3328.3	3320.7	3264.7	3086.8	2860.4	2740.7	2811.8	2980.0	2996.2	2977.9	2587.6
50°	3249.6	3257.1	3221.5	3080.3	2883.0	2796.7	2919.7	3153.6	3212.9	3191.3	2771.9
52.5°	3100.8	3092.2	3107.2	3007.0	2859.3	2816.1	2993.0	3299.2	3408.1	3386.5	2942.3
55°	2852.8	2859.3	2912.1	2874.4	2784.9	2793.5	3037.2	3414.5	3584.9	3567.6	3096.5
57.5°	2591.9	2576.8	2671.7	2678.1	2653.3	2733.1	3042.6	3501.9	3741.2	3722.9	3229.1
60°	2250.1	2286.8	2371.9	2445.3	2488.4	2632.9	3007.0	3547.1	3855.5	3850.1	3335.8
62.5°	1954.7	1962.2	2077.6	2188.7	2292.2	2491.6	2928.3	3546.1	3929.9	3923.4	3399.4
64°	1767.1	1791.9	1900.8	2035.6	2159.5	2390.3	2863.6	3515.9	3941.7	3936.4	3410.2
65°	1664.7	1661.4	1791.9	1927.7	2061.4	2313.7	2797.8	3483.5	3931.0	3931.0	3405.9
67.5°	1383.3	1394.1	1508.3	1664.7	1829.6	2111.0	2629.6	3368.2	3859.8	3867.4	3343.4
70°	1140.7	1156.9	1281.9	1421.0	1603.2	1907.3	2421.5	3160.1	3692.7	3703.5	3208.6
72.5°	941.2	959.6	1051.2	1191.4	1393.0	1692.7	2186.5	2899.2	3456.6	3460.9	2983.3
75°	765.5	786.0	878.7	1000.5	1175.2	1462.0	1929.9	2615.6	3112.6	3134.2	2692.2
77.5°	623.2	644.7	729.9	839.9	1005.9	1250.7	1675.5	2287.8	2747.1	2760.1	2359.0
80°	503.5	526.1	601.6	705.1	849.6	1065.2	1437.2	1952.5	2352.5	2352.5	2016.2
82.5°	408.6	428.0	496.0	585.4	717.0	899.2	1207.5	1622.6	1945.0	1946.1	1665.8
85°	329.9	341.8	408.6	487.3	596.2	753.6	998.4	1320.7	1568.7	1546.1	1342.3
87.5°	265.2	276.0	332.1	408.6	494.9	628.6	819.4	1074.9	1233.4	1241.0	1071.7
90°	213.5	219.9	271.7	336.4	416.2	519.7	666.3	855.0	970.3	960.6	839.9
92.5°	173.6	181.1	225.3	283.6	350.4	436.7	548.8	677.1	751.5	753.6	656.6
95°	142.3	146.6	187.6	239.4	299.7	365.5	447.4	539.1	589.8	583.3	511.0
97.5°	118.6	120.8	158.5	204.8	254.4	308.4	373.0	429.1	457.1	452.8	400.0
100°	100.3	102.4	134.8	177.9	219.9	263.1	308.4	346.1	355.8	350.4	314.8
102.5°	87.3	88.4	115.4	154.2	189.8	225.3	256.6	280.3	279.2	279.2	249.1
105°	76.5	77.6	100.3	134.8	167.1	195.1	216.7	228.6	224.3	222.1	199.5
107.5°	69.0	70.1	88.4	118.6	147.7	169.3	185.4	188.7	180.1	177.9	161.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	62.5	62.5	77.6	104.6	130.5	147.7	158.5	158.5	145.6	144.5	133.7
112.5°	57.1	58.2	70.1	92.7	115.4	130.5	136.9	131.5	119.7	118.6	113.2
115°	52.8	53.9	62.5	83.0	102.4	115.4	118.6	111.1	99.2	98.1	93.8
117.5°	49.6	50.7	57.1	73.3	91.6	101.3	102.4	94.9	83.0	81.9	80.9
120°	47.4	47.4	52.8	65.8	80.9	89.5	88.4	80.9	71.2	70.1	70.1
122.5°	45.3	45.3	48.5	58.2	71.2	78.7	77.6	69.0	60.4	60.4	60.4
125°	43.1	43.1	45.3	52.8	63.6	69.0	66.8	59.3	51.8	51.8	53.9
127.5°	41.0	41.0	42.0	46.4	56.1	59.3	57.1	49.6	45.3	45.3	46.4
130°	38.8	38.8	38.8	42.0	48.5	50.7	48.5	42.0	38.8	38.8	41.0
132.5°	36.7	36.7	36.7	36.7	41.0	43.1	39.9	34.5	33.4	34.5	35.6
135°	34.5	34.5	33.4	32.3	34.5	35.6	32.3	29.1	29.1	29.1	31.3
137.5°	32.3	31.3	30.2	29.1	28.0	28.0	25.9	22.6	24.8	24.8	27.0
140°	29.1	28.0	27.0	24.8	22.6	21.6	19.4	18.3	20.5	20.5	21.6
142.5°	25.9	24.8	23.7	20.5	17.3	15.1	12.9	14.0	16.2	16.2	17.3
145°	21.6	21.6	19.4	16.2	12.9	10.8	8.6	9.7	11.9	11.9	12.9
147.5°	18.3	17.3	16.2	12.9	8.6	6.5	4.3	6.5	8.6	8.6	9.7
150°	14.0	12.9	11.9	8.6	5.4	2.2	2.2	4.3	5.4	5.4	6.5
152.5°	9.7	9.7	8.6	5.4	2.2	0.0	1.1	2.2	3.2	3.2	4.3
155°	6.5	5.4	4.3	3.2	1.1	0.0	0.0	1.1	2.2	2.2	2.2
157.5°	3.2	3.2	2.2	2.2	0.0	0.0	0.0	0.0	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7
2.5°	411.9	407.5	397.8	389.2	380.6	373.0	368.7	363.3	362.3	361.2	361.2
5°	427.0	417.2	397.8	379.5	362.3	348.2	337.5	326.7	321.3	319.1	318.1
7.5°	452.8	437.7	406.5	378.4	352.6	331.0	313.7	300.8	293.3	288.9	287.9
10°	488.4	466.8	423.7	384.9	350.4	322.4	300.8	285.7	276.0	271.7	270.6
12.5°	544.5	510.0	456.1	401.1	355.8	321.3	296.5	280.3	276.0	271.7	271.7
15°	608.1	573.6	499.2	431.3	373.0	327.8	306.2	295.4	288.9	285.7	284.6
17.5°	690.0	637.2	547.7	463.6	394.6	351.5	323.4	311.6	305.1	301.9	300.8
20°	774.1	711.6	601.6	499.2	423.7	379.5	346.1	327.8	321.3	318.1	317.0
22.5°	874.4	798.9	657.7	536.9	457.1	405.4	367.7	346.1	338.5	335.3	336.4
25°	976.8	895.9	718.1	576.8	488.4	427.0	388.1	363.3	357.9	353.6	353.6
27.5°	1101.9	994.1	779.5	622.1	515.4	446.4	406.5	381.7	372.0	372.0	370.9
30°	1233.4	1098.6	846.4	660.9	539.1	463.6	420.5	397.8	388.1	387.1	387.1
32.5°	1361.7	1210.8	912.1	699.7	557.4	475.5	433.4	411.9	400.0	398.9	400.0
35°	1511.6	1325.1	973.6	731.0	573.6	485.2	443.1	423.7	410.8	409.7	409.7
37.5°	1653.9	1442.6	1032.9	755.8	584.4	491.6	450.7	433.4	419.4	418.3	417.2
40°	1802.7	1553.6	1086.8	776.3	589.8	496.0	455.0	439.9	427.0	422.6	422.6
42.5°	1953.6	1665.8	1132.1	788.1	593.0	497.0	458.2	444.2	432.3	424.8	424.8
45°	2094.9	1761.7	1169.8	794.6	593.0	498.1	460.4	447.4	436.7	427.0	425.9
47.5°	2250.1	1858.7	1198.9	795.7	589.8	496.0	461.5	450.7	438.8	428.0	427.0
50°	2386.0	1950.4	1217.2	792.4	585.4	494.9	462.5	451.7	442.0	429.1	429.1
52.5°	2505.6	2023.7	1225.9	783.8	580.0	492.7	462.5	453.9	445.3	431.3	430.2
55°	2611.3	2080.8	1224.8	770.9	571.4	489.5	461.5	453.9	447.4	432.3	432.3
57.5°	2701.9	2120.7	1215.1	755.8	562.8	487.3	461.5	455.0	449.6	435.6	435.6
60°	2763.3	2143.4	1195.7	737.5	554.2	483.0	460.4	456.1	452.8	438.8	439.9
62.5°	2792.4	2140.1	1165.5	718.1	544.5	478.7	458.2	455.0	453.9	443.1	443.1
64°	2790.3	2125.0	1145.0	704.0	538.0	476.5	457.1	453.9	455.0	445.3	445.3
65°	2776.3	2103.5	1123.4	693.3	532.6	474.4	455.0	452.8	455.0	445.3	445.3
67.5°	2708.3	2036.6	1068.5	666.3	518.6	464.7	448.5	447.4	450.7	444.2	443.1
70°	2573.6	1931.0	1009.2	631.8	501.3	453.9	438.8	437.7	442.0	436.7	434.5
72.5°	2390.3	1784.4	936.9	596.2	480.9	438.8	425.9	424.8	427.0	423.7	420.5
75°	2159.5	1611.8	856.1	556.3	458.2	419.4	407.5	405.4	408.6	404.3	402.2
77.5°	1902.9	1421.0	770.9	514.3	429.1	397.8	386.0	382.7	382.7	377.4	372.0
80°	1620.5	1225.9	685.7	471.2	398.9	370.9	361.2	356.9	353.6	345.0	339.6
82.5°	1353.1	1042.6	598.4	427.0	366.6	341.8	332.1	326.7	319.1	308.4	300.8
85°	1100.8	867.9	518.6	379.5	334.2	310.5	303.0	293.3	283.6	271.7	262.0
87.5°	884.1	710.5	447.4	337.5	297.6	279.2	270.6	257.7	248.0	235.0	226.4
90°	701.9	582.2	382.7	296.5	265.2	249.1	241.5	228.6	214.6	200.5	193.0
92.5°	566.0	474.4	329.9	262.0	237.2	223.2	213.5	200.5	184.4	170.3	165.0
95°	449.6	383.8	281.4	231.8	210.2	197.3	187.6	175.7	158.5	142.3	138.0
97.5°	355.8	315.9	240.4	203.8	186.5	175.7	165.0	154.2	136.9	120.8	118.6
100°	285.7	256.6	205.9	180.1	165.0	155.3	146.6	134.8	118.6	101.3	101.3
102.5°	230.7	212.4	176.8	158.5	146.6	138.0	129.4	118.6	102.4	87.3	86.3
105°	188.7	175.7	152.0	140.2	130.5	124.0	115.4	103.5	88.4	74.4	73.3
107.5°	157.4	145.6	131.5	124.0	116.4	110.0	103.5	91.6	76.5	64.7	64.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	129.4	125.1	114.3	108.9	104.6	98.1	91.6	79.8	65.8	57.1	57.1
112.5°	110.0	105.7	100.3	97.0	92.7	88.4	80.9	70.1	57.1	50.7	50.7
115°	92.7	90.6	87.3	85.2	83.0	78.7	71.2	60.4	48.5	44.2	45.3
117.5°	80.9	79.8	77.6	76.5	74.4	69.0	62.5	52.8	42.0	39.9	39.9
120°	70.1	70.1	67.9	67.9	65.8	61.5	53.9	45.3	36.7	35.6	35.6
122.5°	61.5	61.5	60.4	60.4	58.2	53.9	47.4	38.8	31.3	31.3	32.3
125°	53.9	53.9	52.8	52.8	51.8	47.4	41.0	33.4	28.0	28.0	28.0
127.5°	47.4	47.4	47.4	46.4	44.2	41.0	34.5	28.0	24.8	24.8	24.8
130°	42.0	42.0	41.0	41.0	38.8	34.5	29.1	23.7	20.5	22.6	22.6
132.5°	36.7	36.7	36.7	34.5	32.3	29.1	23.7	19.4	18.3	19.4	19.4
135°	31.3	32.3	31.3	30.2	28.0	23.7	19.4	16.2	16.2	17.3	17.3
137.5°	27.0	27.0	27.0	24.8	22.6	19.4	15.1	12.9	14.0	15.1	15.1
140°	22.6	22.6	21.6	20.5	18.3	15.1	11.9	9.7	11.9	12.9	12.9
142.5°	18.3	18.3	17.3	16.2	12.9	10.8	7.5	7.5	9.7	10.8	10.8
145°	14.0	14.0	12.9	11.9	9.7	6.5	5.4	6.5	8.6	8.6	8.6
147.5°	9.7	9.7	9.7	7.5	5.4	3.2	2.2	4.3	6.5	6.5	7.5
150°	6.5	6.5	6.5	5.4	3.2	1.1	1.1	3.2	4.3	5.4	5.4
152.5°	4.3	4.3	4.3	3.2	2.2	0.0	0.0	2.2	3.2	3.2	3.2
155°	2.2	2.2	2.2	2.2	1.1	0.0	0.0	1.1	2.2	2.2	2.2
157.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.2	1.1	1.1
160°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1	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)