

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: P417351

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417351
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-PA1-90-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA 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: 6887 lumens
Efficiency: N/A
Efficacy: 73.3 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 - G3

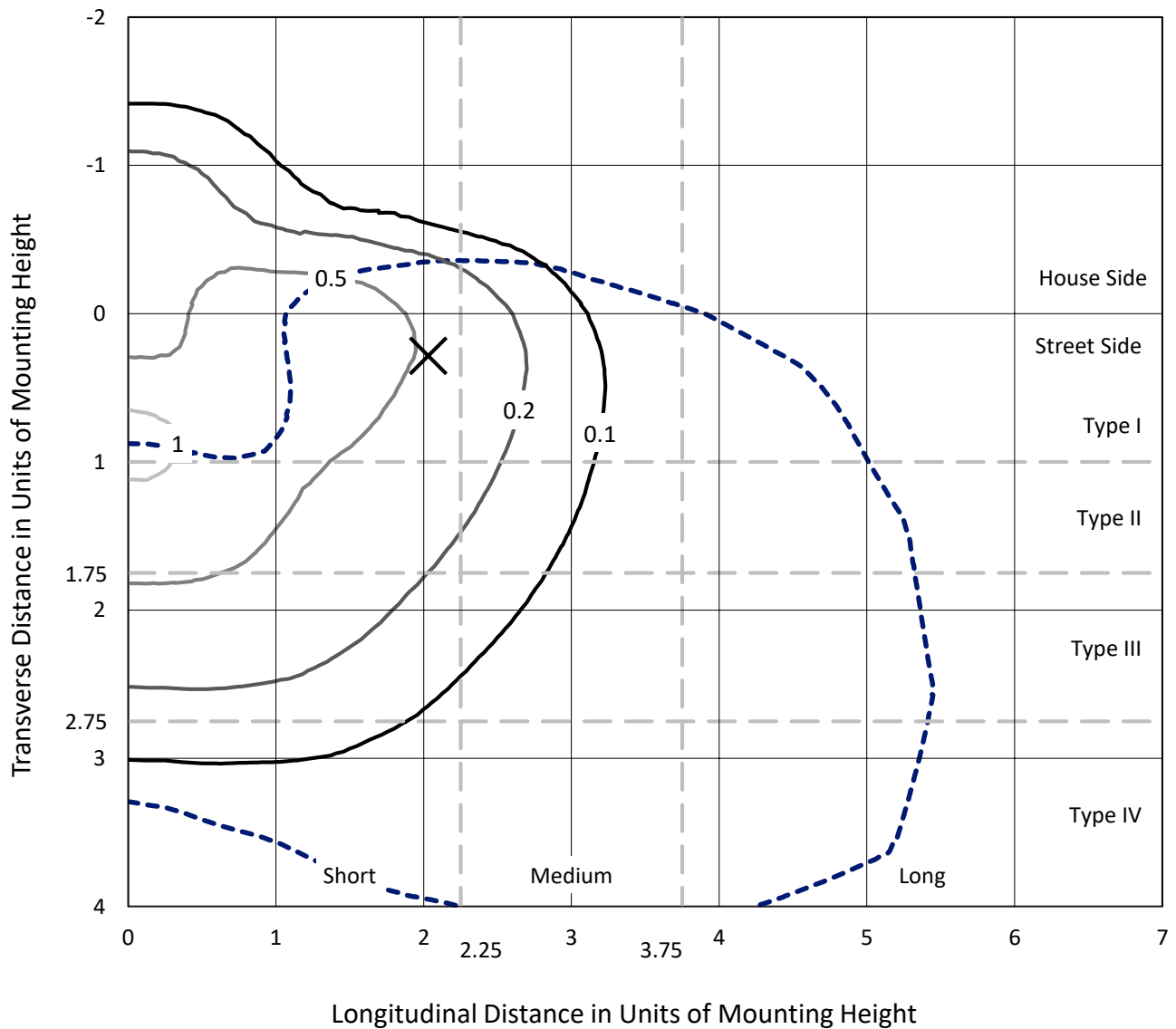
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

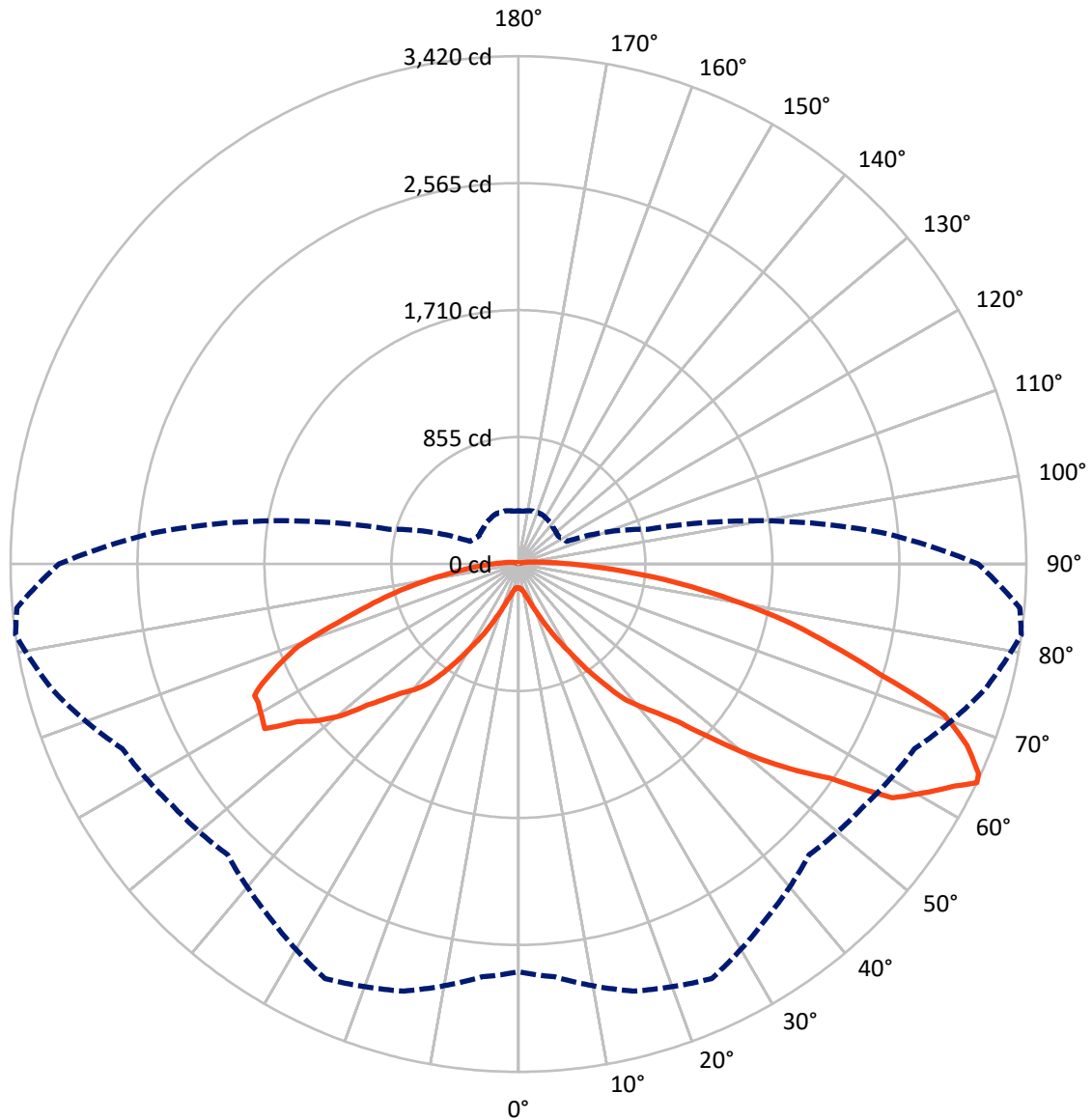


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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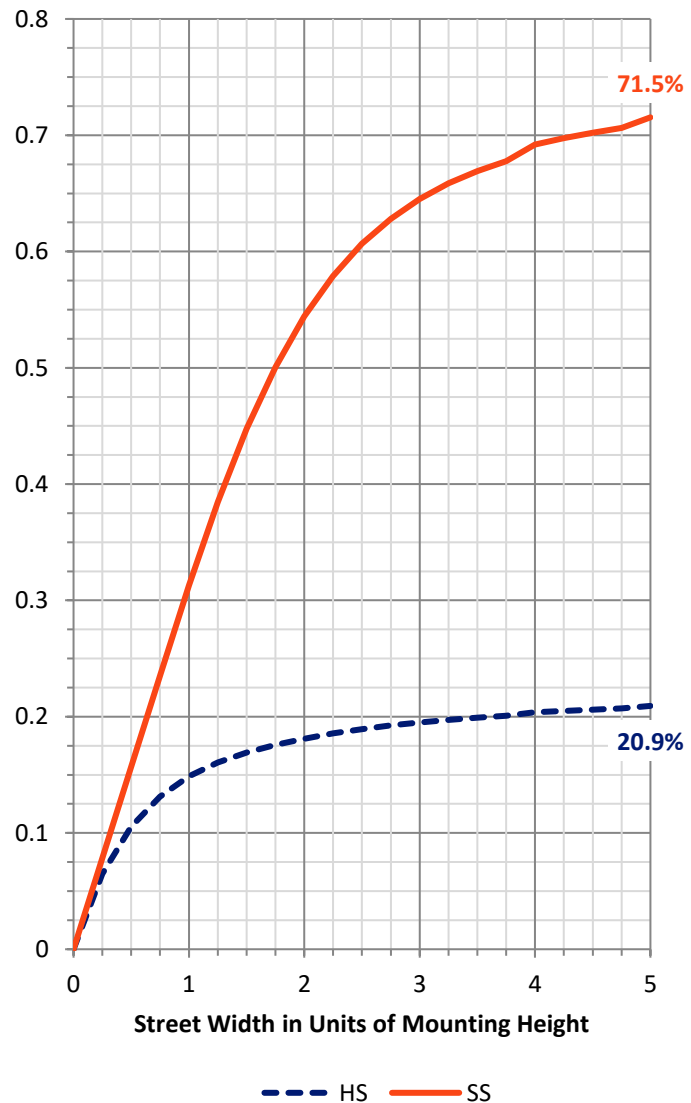
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1514.0	113.4	1627.4
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5111.0	148.6	5259.6
	% Fixture	74.2	2.2	76.4
Total	Lumens	6624.9	262.1	6887.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.2
10°-20°	70.8	1.0
20°-30°	204.2	3.0
30°-40°	468.7	6.8
40°-50°	823.1	12.0
50°-60°	1322.2	19.2
60°-70°	1774.8	25.8
70°-80°	1356.9	19.7
80°-90°	587.7	8.5
90°-100°	165.1	2.4
100°-110°	50.1	0.7
110°-120°	22.0	0.3
120°-130°	12.6	0.2
130°-140°	7.7	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6624.9	96.2
0°-180°	6887.0	100.0



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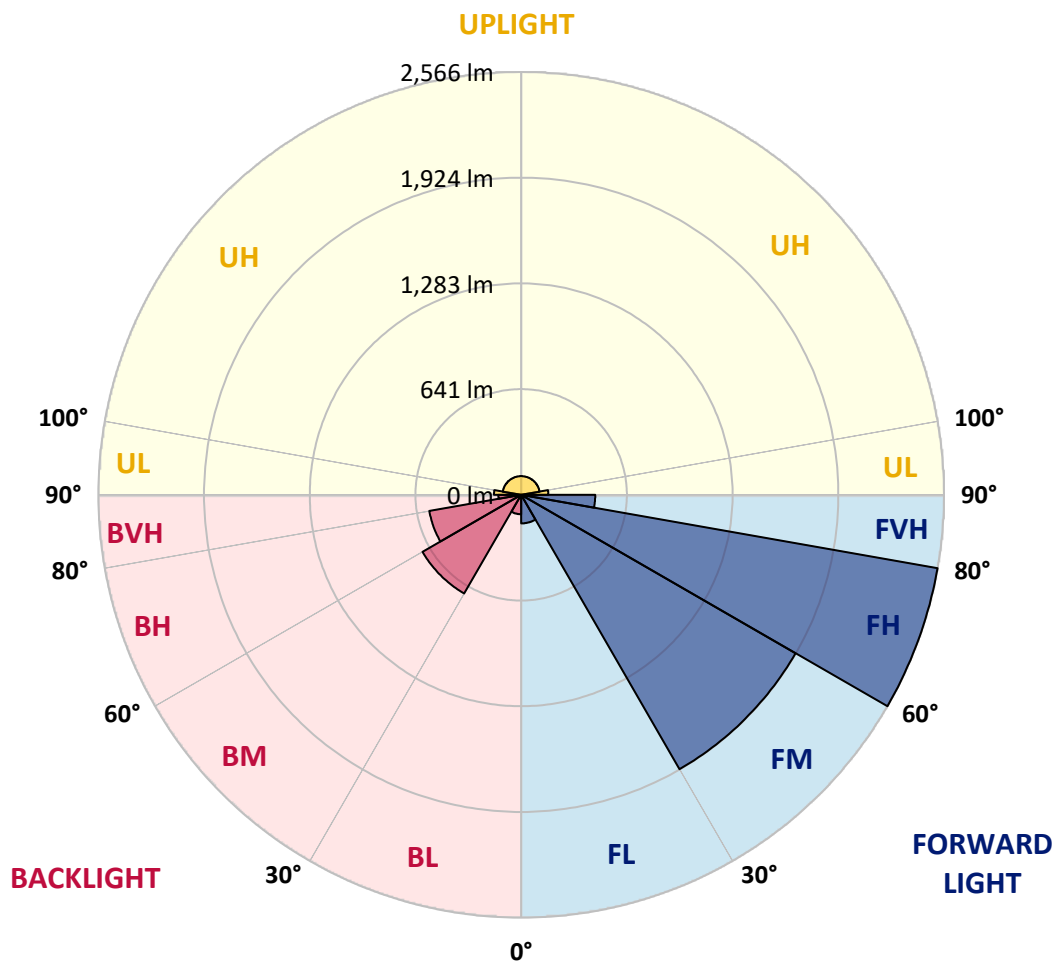
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.4	2.5			
FM (30°-60°)	1922.5	27.9			
FH (60°-80°)	2565.8	37.3			G2/5000
FVH (80°-90°)	449.3	6.5			G3/500
BL (0°-30°)	118.2	1.7	B1/500		
BM (30°-60°)	691.4	10.0	B1/1000		
BH (60°-80°)	565.9	8.2	B2/1000		G2/1000
BVH (80°-90°)	138.4	2.0			G2/225
UL (90°-100°)	165.1	2.4		U3/500	
UH (100°-180°)	113.4	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9
2.5°	172.8	172.0	172.0	172.8	172.8	171.2	168.0	165.7	163.3	162.5	161.7
5°	188.6	187.9	187.1	187.9	185.5	183.1	178.3	173.6	170.4	167.2	166.5
7.5°	210.1	209.3	208.5	206.9	203.7	199.0	191.8	185.5	179.9	176.0	174.4
10°	237.8	234.6	233.8	230.7	225.1	217.2	209.3	201.3	195.0	189.4	187.1
12.5°	275.8	275.8	269.5	262.4	252.9	241.0	230.7	224.3	218.0	214.8	210.1
15°	322.6	321.0	314.7	302.8	286.9	273.5	262.4	254.4	250.5	244.9	242.5
17.5°	374.1	371.0	365.4	347.2	328.2	313.9	301.2	293.3	290.9	286.1	285.4
20°	441.5	436.7	423.3	401.1	374.9	359.1	347.2	338.5	337.7	339.3	338.5
22.5°	521.6	518.4	501.7	461.3	432.0	409.0	393.2	394.7	405.0	409.8	403.5
25°	617.5	620.6	592.9	539.0	500.2	461.3	455.0	463.7	486.7	499.4	500.2
27.5°	730.8	730.0	693.6	634.1	573.9	530.3	520.0	545.3	577.8	596.1	596.1
30°	857.6	868.7	817.2	739.5	655.5	604.0	596.1	634.9	669.0	701.5	711.0
32.5°	1026.5	1024.1	957.5	864.0	752.2	679.3	673.0	722.1	799.0	844.2	844.2
35°	1236.5	1227.8	1135.1	994.8	845.0	763.3	764.1	832.3	933.7	989.2	994.8
37.5°	1417.3	1424.4	1330.9	1160.4	964.7	859.2	868.7	960.7	1082.8	1147.8	1169.9
40°	1610.7	1613.0	1510.0	1324.5	1093.9	961.5	984.5	1090.7	1206.4	1260.3	1281.7
42.5°	1781.1	1795.3	1692.3	1489.4	1224.6	1086.7	1097.8	1190.6	1305.5	1369.7	1399.8
45°	1898.4	1906.3	1842.9	1640.8	1366.5	1214.3	1212.7	1299.1	1447.4	1518.7	1567.1
47.5°	2057.7	2079.1	1988.0	1793.0	1512.4	1344.3	1330.9	1441.8	1636.8	1752.5	1793.8
50°	2244.8	2277.3	2213.1	1977.7	1678.8	1497.3	1499.7	1632.1	1872.2	2023.6	2066.4
52.5°	2431.0	2443.7	2400.9	2199.6	1872.2	1675.7	1694.7	1860.3	2136.2	2291.5	2317.7
55°	2530.9	2549.2	2561.8	2402.5	2104.5	1887.3	1920.6	2120.3	2361.3	2543.6	2603.1
57.5°	2626.0	2651.4	2684.7	2576.1	2335.1	2148.9	2181.4	2358.9	2710.9	2970.8	3016.0
60°	2786.9	2809.1	2873.3	2784.6	2546.8	2398.5	2432.6	2682.3	2951.8	3131.0	3135.7
62.5°	2784.6	2819.4	2974.8	2997.0	2773.5	2638.7	2721.9	2856.7	3069.9	3295.0	3290.3
64°	2746.5	2790.1	2977.2	3080.2	2911.4	2768.7	2840.8	2942.3	3253.0	3419.5	3389.4
65°	2719.6	2767.9	2970.0	3101.6	2986.7	2842.4	2896.3	3013.6	3306.1	3405.2	3364.0
67.5°	2571.3	2625.2	2893.2	3099.2	3064.4	2958.2	2975.6	3085.0	3218.1	3257.0	3183.3
70°	2305.8	2334.3	2638.7	2969.3	2987.5	2886.0	2933.6	2989.9	3062.8	3043.8	2947.1
72.5°	1819.9	1878.6	2186.1	2657.0	2760.8	2687.9	2706.1	2733.8	2660.1	2550.7	2435.8
75°	1296.0	1348.3	1635.2	2095.8	2404.1	2374.8	2400.1	2355.7	2274.1	2174.2	2061.7
77.5°	901.2	917.9	1154.9	1581.3	1921.4	2010.9	2065.6	2003.0	1957.0	1837.4	1747.0
80°	583.4	611.1	760.1	1145.4	1522.7	1705.8	1793.8	1753.3	1646.3	1455.3	1352.3
82.5°	361.4	383.6	501.0	813.3	1207.2	1461.6	1546.5	1491.0	1319.8	1106.5	1003.5
85°	206.9	211.6	293.3	529.5	882.2	1161.2	1274.6	1185.8	986.8	780.8	690.4
87.5°	118.9	122.9	175.2	324.2	610.3	875.1	982.9	853.7	662.7	501.7	442.3
90°	76.1	80.8	113.3	211.6	393.2	625.4	704.7	585.8	443.9	317.9	279.8
92.5°	52.3	54.7	76.1	131.6	253.6	413.0	470.8	391.6	276.6	202.9	179.9
95°	38.0	39.6	53.9	89.6	163.3	259.2	290.9	248.1	181.5	134.7	120.5
97.5°	30.9	31.7	42.0	65.8	112.6	164.9	174.4	154.6	120.5	95.9	90.4
100°	26.2	26.9	34.9	50.7	80.1	107.8	110.2	103.8	84.8	71.3	68.2
102.5°	23.8	23.8	29.3	41.2	60.2	76.9	76.9	71.3	58.7	52.3	52.3
105°	21.4	21.4	25.4	34.1	47.6	59.4	58.7	52.3	44.4	39.6	40.4
107.5°	19.0	19.0	22.2	27.7	38.8	46.8	45.2	38.8	34.1	30.9	31.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	17.4	17.4	19.8	23.8	32.5	38.8	36.5	30.1	25.4	25.4	26.2
112.5°	15.9	15.9	17.4	21.4	27.7	31.7	29.3	23.8	20.6	20.6	21.4
115°	14.3	14.3	15.9	19.0	24.6	26.9	24.6	19.0	16.6	17.4	19.0
117.5°	13.5	13.5	15.1	17.4	21.4	23.0	20.6	15.9	14.3	15.9	16.6
120°	12.7	12.7	14.3	16.6	19.8	20.6	17.4	14.3	12.7	14.3	15.1
122.5°	12.7	12.7	13.5	15.9	18.2	18.2	15.9	12.7	11.1	12.7	13.5
125°	12.7	12.7	13.5	15.1	16.6	16.6	14.3	11.1	10.3	11.9	11.9
127.5°	13.5	13.5	14.3	15.1	15.9	15.1	12.7	10.3	9.5	11.1	11.1
130°	13.5	13.5	13.5	14.3	14.3	13.5	11.1	9.5	9.5	10.3	11.1
132.5°	13.5	13.5	13.5	13.5	13.5	11.9	10.3	8.7	9.5	10.3	11.1
135°	12.7	12.7	12.7	12.7	11.9	10.3	8.7	7.1	8.7	9.5	9.5
137.5°	11.1	11.9	11.1	11.1	11.1	9.5	7.1	6.3	7.1	8.7	8.7
140°	10.3	10.3	10.3	10.3	9.5	7.9	6.3	4.8	5.5	7.1	7.1
142.5°	9.5	9.5	9.5	8.7	8.7	7.1	4.8	4.0	4.8	5.5	5.5
145°	7.9	7.9	7.9	7.9	7.1	5.5	4.0	3.2	4.0	4.8	4.8
147.5°	6.3	6.3	6.3	6.3	5.5	4.8	3.2	3.2	4.0	4.0	4.0
150°	4.8	5.5	5.5	5.5	4.8	4.0	2.4	2.4	3.2	4.0	4.0
152.5°	4.0	4.0	4.0	4.8	4.0	2.4	1.6	2.4	3.2	3.2	3.2
155°	2.4	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2
157.5°	1.6	1.6	2.4	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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°	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9	160.9
2.5°	160.9	160.1	158.5	156.9	156.2	156.2	154.6	153.8	151.4	151.4	150.6
5°	164.1	162.5	159.3	156.2	153.8	153.0	151.4	149.0	147.4	146.6	146.6
7.5°	171.2	168.8	162.5	158.5	155.4	153.0	151.4	149.0	147.4	146.6	146.6
10°	183.1	179.1	172.0	164.9	160.1	156.9	155.4	154.6	153.8	153.0	153.0
12.5°	206.1	200.5	188.6	179.9	170.4	165.7	164.1	165.7	169.6	171.2	172.0
15°	237.8	230.7	216.4	200.5	186.3	178.3	181.5	189.4	196.6	199.7	199.0
17.5°	277.4	266.3	248.9	227.5	207.7	203.7	206.9	215.6	225.9	230.7	229.9
20°	328.2	319.4	293.3	258.4	236.2	229.9	232.2	243.3	258.4	263.2	264.7
22.5°	397.9	385.2	344.8	296.4	267.1	255.2	257.6	271.9	292.5	303.6	306.0
25°	488.3	474.8	415.3	341.6	295.7	277.4	286.9	306.0	339.3	356.7	355.1
27.5°	592.9	569.9	492.2	397.1	328.9	300.4	314.7	345.6	380.5	402.7	401.1
30°	689.6	669.8	565.9	447.8	357.5	322.6	337.7	377.3	417.7	444.7	446.3
32.5°	834.7	798.2	652.3	491.4	380.5	340.8	355.1	403.5	450.2	482.7	481.9
35°	984.5	943.2	747.5	542.2	400.3	352.7	367.8	422.5	474.0	512.8	513.6
37.5°	1142.2	1084.3	832.3	575.5	416.1	359.9	374.9	436.0	501.7	546.1	547.7
40°	1248.4	1182.6	883.8	592.9	420.9	364.6	381.3	445.5	506.5	539.0	542.2
42.5°	1367.3	1274.6	910.8	578.6	415.3	363.8	382.8	438.3	485.9	508.9	511.3
45°	1531.4	1406.9	940.1	556.4	400.3	361.4	376.5	419.3	450.2	458.9	458.9
47.5°	1744.6	1567.9	989.2	532.7	384.4	354.3	365.4	393.2	405.0	403.5	399.5
50°	2000.6	1796.1	1048.7	512.0	369.4	345.6	352.7	368.6	372.5	367.8	365.4
52.5°	2255.9	1980.0	1089.9	493.8	359.9	337.7	342.4	354.3	354.3	340.0	337.7
55°	2489.7	2146.5	1078.8	458.9	352.7	333.7	338.5	347.2	340.0	323.4	320.2
57.5°	2867.8	2434.2	1107.3	424.9	342.4	332.9	339.3	344.8	334.5	318.6	315.5
60°	2935.2	2422.3	1040.0	403.5	335.3	335.3	342.4	348.8	341.6	327.4	326.6
62.5°	3028.7	2433.4	937.7	372.5	330.5	336.9	349.6	359.1	358.3	348.0	346.4
64°	3094.5	2449.3	901.2	358.3	326.6	336.9	355.1	369.4	369.4	357.5	357.5
65°	3029.5	2389.0	874.3	351.1	322.6	336.9	358.3	375.7	374.1	364.6	363.0
67.5°	2832.9	2193.3	760.1	335.3	313.9	336.9	367.0	386.0	388.4	380.5	377.3
70°	2592.7	1979.2	661.1	317.1	305.2	332.9	367.0	392.4	396.3	387.6	385.2
72.5°	2113.2	1591.6	545.3	297.2	292.5	323.4	362.2	389.2	393.2	382.8	379.7
75°	1771.6	1299.9	451.8	278.2	279.0	311.5	350.3	374.9	374.9	363.8	359.1
77.5°	1459.3	1049.5	374.1	260.0	263.2	296.4	328.9	344.8	340.0	329.7	323.4
80°	1093.1	792.6	308.3	240.2	243.3	271.9	298.8	309.9	305.2	292.5	290.9
82.5°	799.8	569.9	263.2	219.6	221.9	244.9	264.7	274.3	278.2	267.9	264.7
85°	525.5	401.9	225.9	199.0	200.5	218.0	230.7	238.6	247.3	244.1	242.5
87.5°	343.2	278.2	191.0	175.2	176.8	191.0	199.7	207.7	225.1	227.5	224.3
90°	230.7	195.0	157.7	151.4	153.8	165.7	170.4	178.3	197.4	200.5	200.5
92.5°	154.6	139.5	127.6	127.6	131.6	141.9	142.7	145.1	160.9	164.9	163.3
95°	108.6	103.8	103.0	104.6	109.4	117.3	113.3	111.8	122.1	122.9	121.3
97.5°	83.2	81.6	83.2	85.6	88.0	95.9	91.9	88.0	92.7	91.2	92.7
100°	66.6	65.8	68.2	68.2	70.5	77.7	74.5	72.1	72.9	69.8	69.8
102.5°	53.1	53.1	55.5	56.3	57.9	63.4	62.6	60.2	58.7	55.5	56.3
105°	41.2	42.0	45.2	46.0	48.4	53.1	52.3	49.1	47.6	43.6	44.4
107.5°	33.3	34.9	37.3	38.0	40.4	44.4	42.8	39.6	37.3	35.7	35.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.7	28.5	30.9	31.7	34.1	37.3	36.5	32.5	29.3	28.5	29.3
112.5°	23.0	24.6	26.2	26.9	29.3	31.7	29.3	26.2	23.8	24.6	24.6
115°	19.8	20.6	22.2	23.0	24.6	26.9	24.6	21.4	19.8	20.6	21.4
117.5°	18.2	19.0	19.8	19.8	21.4	23.0	20.6	18.2	17.4	18.2	19.0
120°	15.9	16.6	17.4	18.2	19.0	19.8	18.2	15.9	15.1	16.6	16.6
122.5°	14.3	15.1	15.1	15.9	16.6	17.4	15.9	14.3	13.5	14.3	15.1
125°	12.7	13.5	14.3	14.3	15.1	15.1	14.3	12.7	12.7	13.5	13.5
127.5°	11.9	12.7	12.7	13.5	13.5	13.5	12.7	11.1	11.9	12.7	12.7
130°	11.9	11.9	11.9	11.9	11.9	11.9	11.1	10.3	11.1	11.9	11.9
132.5°	11.1	11.1	11.1	11.1	11.1	10.3	9.5	9.5	10.3	11.1	11.1
135°	10.3	10.3	9.5	9.5	9.5	9.5	8.7	8.7	8.7	9.5	9.5
137.5°	8.7	8.7	7.9	7.9	7.9	7.9	7.1	7.1	7.9	8.7	8.7
140°	7.1	7.1	6.3	6.3	6.3	6.3	6.3	6.3	7.1	7.1	7.9
142.5°	5.5	5.5	5.5	4.8	4.8	5.5	5.5	5.5	6.3	6.3	6.3
145°	4.8	4.8	4.8	4.0	4.0	4.8	4.8	4.8	5.5	5.5	5.5
147.5°	4.0	4.0	4.0	3.2	2.4	4.0	4.0	4.0	4.8	4.0	4.0
150°	4.0	4.0	3.2	2.4	2.4	2.4	3.2	3.2	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.4	1.6	1.6	2.4	3.2	2.4	2.4	2.4
155°	3.2	3.2	2.4	2.4	1.6	0.8	1.6	2.4	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	0.8	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)