

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: P254952

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-SL3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4946.1 lumens
Efficiency: N/A
Efficacy: 91.6 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: B1 - U3 - G3

Input Watts (W): 54
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

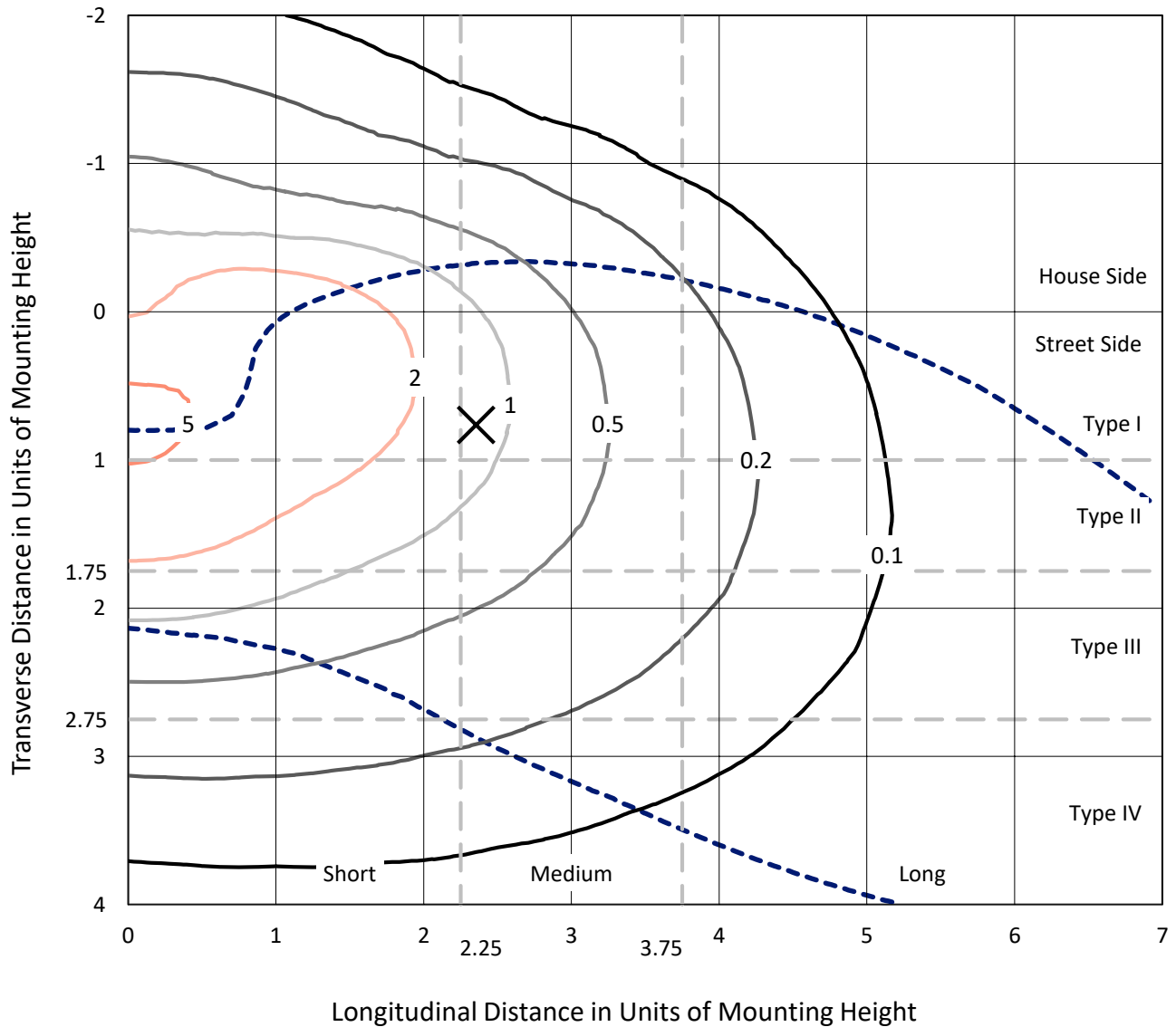


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

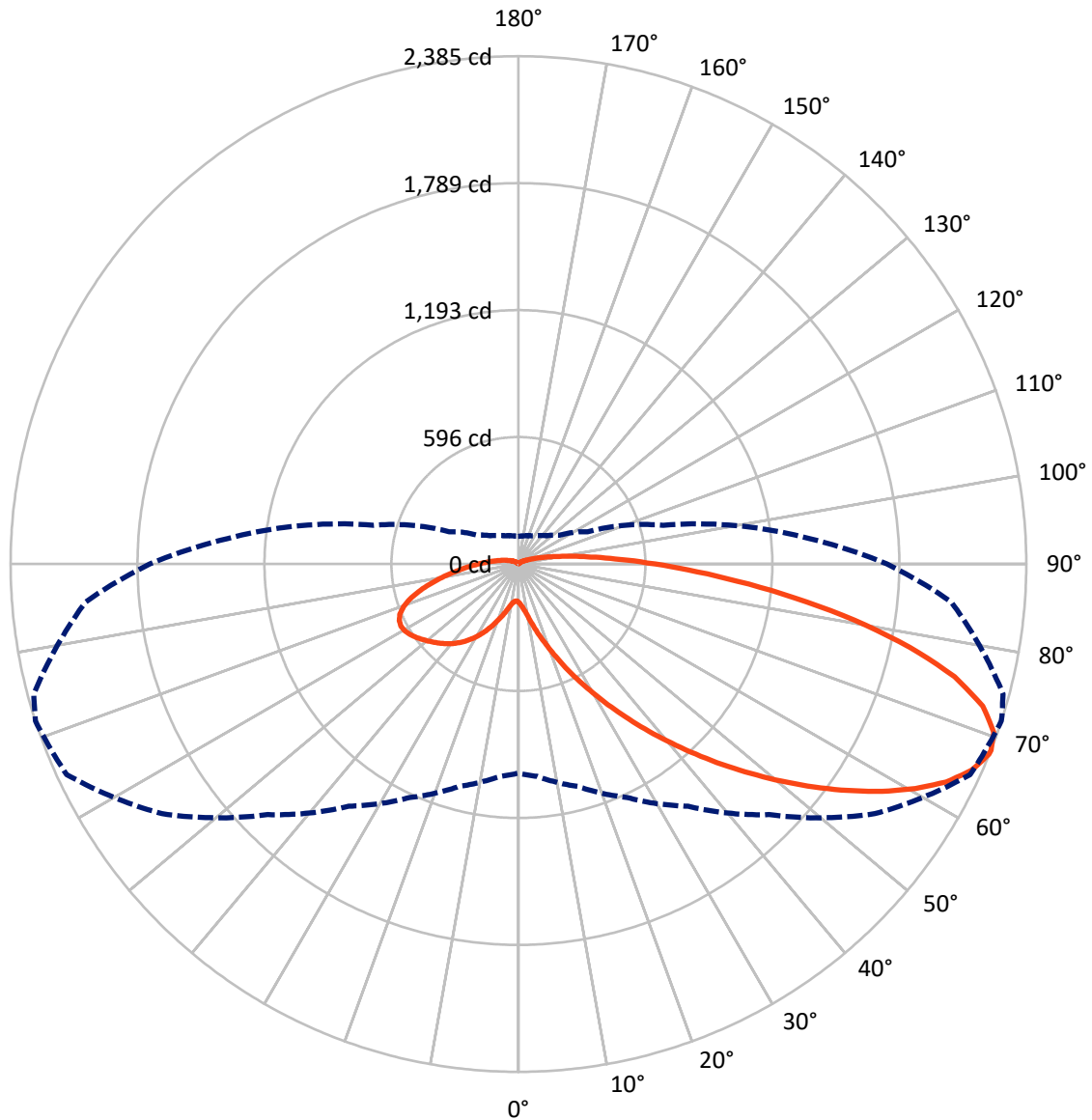


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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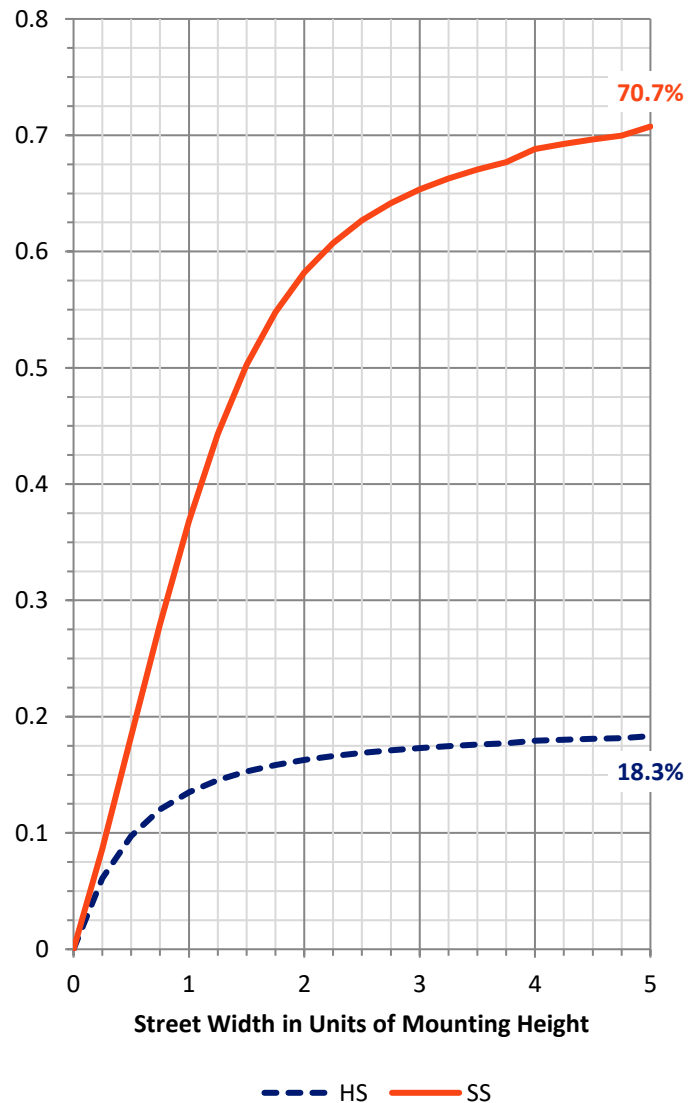
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	950.6	113.2	1063.8
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	3648.9	233.4	3882.4
	% Fixture	73.8	4.7	78.5
Total	Lumens	4599.5	346.6	4946.1
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.4
10°-20°	78.6	1.6
20°-30°	194.2	3.9
30°-40°	380.0	7.7
40°-50°	633.2	12.8
50°-60°	901.9	18.2
60°-70°	1045.0	21.1
70°-80°	872.7	17.6
80°-90°	475.1	9.6
90°-100°	199.4	4.0
100°-110°	83.0	1.7
110°-120°	37.4	0.8
120°-130°	17.5	0.4
130°-140°	7.3	0.1
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4599.5	93.0
0°-180°	4946.1	100.0

Coefficient of Utilization



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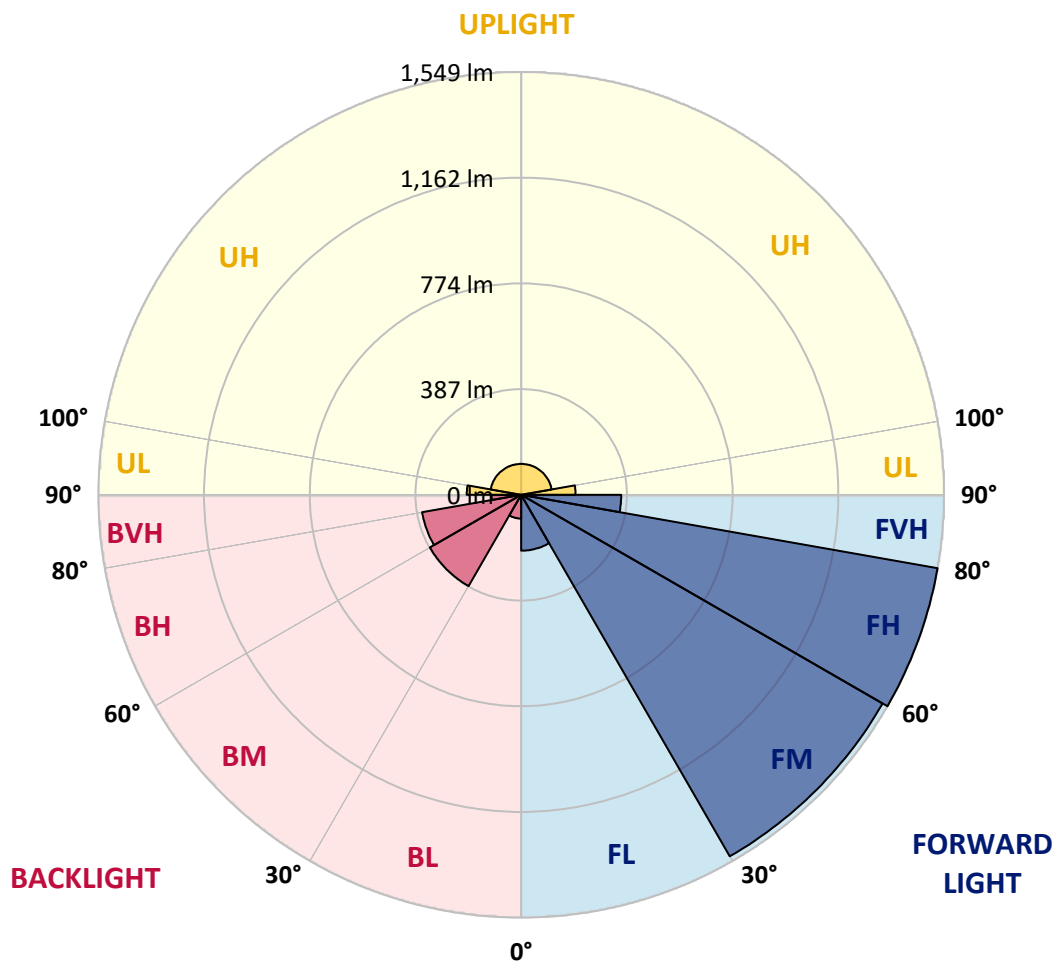
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.6	4.1			
FM	(30°-60°)	1529.1	30.9			
FH	(60°-80°)	1549.0	31.3			G1/1800
FVH	(80°-90°)	366.3	7.4			G3/500
BL	(0°-30°)	87.1	1.8	B0/110		
BM	(30°-60°)	386.0	7.8	B1/1000		
BH	(60°-80°)	368.6	7.5	B1/500		G1/500
BVH	(80°-90°)	108.8	2.2			G2/225
UL	(90°-100°)	199.4	4.0		U3/500	
UH	(100°-180°)	113.2	2.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5
2.5°	205.9	205.9	206.4	204.6	202.6	200.8	196.4	192.7	189.6	187.7	183.9
5°	234.0	234.6	233.4	231.4	228.4	224.0	217.8	210.3	204.0	202.6	193.9
7.5°	267.1	267.1	265.8	262.8	259.0	252.7	243.3	233.4	224.5	222.7	209.6
10°	305.3	305.3	304.7	299.7	294.0	286.5	275.3	264.6	252.7	249.0	231.4
12.5°	350.2	349.7	347.8	341.6	334.7	325.3	312.8	299.7	288.5	284.0	262.8
15°	399.2	399.2	396.6	388.5	380.3	369.1	357.9	346.6	332.1	327.1	300.3
17.5°	452.9	452.4	447.3	439.8	428.6	419.8	409.1	395.9	380.3	374.1	342.8
20°	513.6	511.8	504.9	494.8	484.8	473.5	462.9	444.8	431.7	427.9	391.5
22.5°	582.5	579.3	570.6	556.7	544.8	531.1	519.8	504.2	492.3	485.4	449.8
25°	659.4	658.1	647.5	625.0	608.0	592.4	581.1	573.6	563.0	553.0	511.8
27.5°	743.2	740.0	722.5	700.1	673.7	656.2	645.6	639.9	633.7	628.1	579.9
30°	833.3	831.4	808.2	780.1	745.0	722.5	715.0	715.6	714.4	708.8	655.5
32.5°	930.9	929.6	900.9	865.3	821.4	791.4	789.5	798.9	800.8	796.9	737.0
35°	1035.3	1034.0	1001.0	956.4	901.5	866.4	868.9	887.0	895.2	892.1	824.0
37.5°	1141.6	1140.4	1106.0	1051.6	984.0	944.0	951.5	981.4	997.2	994.7	916.4
40°	1258.6	1247.4	1211.6	1146.6	1069.7	1025.3	1042.3	1082.2	1105.3	1096.6	1013.4
42.5°	1360.0	1351.9	1313.1	1240.5	1156.7	1116.0	1136.7	1189.2	1220.5	1218.0	1117.2
45°	1449.5	1445.7	1407.6	1330.0	1243.7	1203.0	1236.2	1303.7	1342.5	1335.5	1226.8
47.5°	1530.1	1523.9	1488.8	1410.6	1323.6	1294.2	1339.4	1421.4	1469.4	1465.0	1339.9
50°	1584.6	1582.1	1551.4	1476.9	1398.2	1373.2	1447.5	1549.0	1603.4	1598.4	1457.6
52.5°	1609.6	1609.0	1588.3	1525.8	1462.0	1465.7	1557.7	1679.7	1739.7	1737.9	1579.6
55°	1601.5	1600.8	1593.3	1552.0	1512.0	1542.6	1667.8	1812.9	1877.9	1876.7	1697.8
57.5°	1553.3	1555.9	1565.8	1550.8	1545.2	1613.3	1774.2	1943.0	2014.3	2010.6	1813.6
60°	1461.4	1467.1	1498.9	1517.6	1554.5	1663.4	1872.3	2071.2	2141.4	2135.0	1918.6
62.5°	1334.9	1348.1	1395.7	1452.6	1535.7	1697.3	1959.9	2185.1	2254.6	2241.5	1991.8
65°	1184.3	1199.2	1263.7	1357.5	1488.8	1702.2	2022.5	2278.4	2338.3	2321.5	2042.5
67.5°	1016.5	1035.3	1113.6	1236.9	1409.5	1675.3	2045.0	2335.9	2383.5	2356.5	2047.5
68°	982.1	1001.0	1081.6	1209.8	1388.8	1664.7	2044.4	2340.9	2385.3	2356.5	2040.0
70°	848.3	868.3	956.4	1098.5	1306.8	1611.5	2019.9	2335.3	2368.4	2333.4	1989.9
72.5°	695.7	715.6	804.4	955.3	1181.1	1502.0	1934.3	2265.2	2280.9	2239.6	1869.2
75°	558.7	579.3	665.0	817.0	1044.7	1371.9	1792.3	2118.9	2115.7	2067.5	1687.2
77.5°	442.3	461.1	542.4	686.2	904.5	1213.0	1609.6	1900.4	1879.8	1829.2	1455.7
80°	347.8	364.7	438.5	570.6	769.4	1046.6	1391.3	1634.6	1600.2	1548.3	1206.8
82.5°	271.5	287.2	352.3	469.2	644.9	884.6	1156.7	1353.7	1306.2	1258.6	967.8
85°	212.1	224.5	282.1	382.9	532.9	731.3	951.5	1081.0	1031.0	989.7	754.4
87.5°	165.7	176.5	225.2	311.0	439.8	594.3	758.8	842.1	795.1	761.3	578.6
90°	130.1	137.6	181.4	252.1	354.6	479.2	596.2	646.3	604.3	578.0	441.6
92.5°	103.2	108.8	144.5	204.6	285.9	380.3	461.6	489.8	454.8	435.4	335.3
95°	82.6	87.0	117.0	167.0	232.7	300.9	355.3	369.8	342.2	327.1	254.6
97.5°	67.5	70.7	96.3	135.7	186.4	239.0	275.3	280.9	258.4	247.2	194.6
100°	56.3	58.1	79.4	112.6	151.5	190.2	214.5	215.2	196.4	187.1	148.3
102.5°	47.5	48.8	66.3	93.9	125.1	152.6	169.0	165.7	148.9	141.4	113.8
105°	40.7	41.9	55.7	78.7	104.5	123.9	133.3	128.3	113.8	108.2	88.2
107.5°	35.6	36.3	46.9	66.3	87.6	101.9	107.6	100.7	88.2	83.2	69.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	31.2	31.9	40.0	57.0	73.9	85.7	87.6	79.4	68.9	65.0	55.7
112.5°	27.6	28.2	35.1	48.2	63.2	71.9	72.5	63.8	54.4	51.3	45.1
115°	25.0	25.6	30.7	41.3	53.7	60.6	60.1	51.3	43.1	40.7	36.9
117.5°	23.2	23.8	27.6	35.6	46.3	51.3	50.0	41.9	35.1	33.1	31.2
120°	21.3	21.9	24.4	30.7	39.5	43.8	41.3	33.8	28.7	27.6	26.2
122.5°	20.0	20.0	21.9	26.9	33.8	36.9	34.4	28.2	23.8	22.5	22.5
125°	18.1	18.8	20.0	23.2	28.7	31.2	28.7	23.2	19.3	19.3	19.3
127.5°	17.5	17.5	18.1	20.6	24.4	26.2	23.8	18.8	16.3	16.3	16.9
130°	16.3	16.3	16.3	18.1	20.6	21.3	18.8	15.0	13.7	13.7	14.4
132.5°	15.0	15.0	15.0	15.7	16.9	16.9	15.0	12.6	11.9	11.9	12.6
135°	13.7	13.7	13.1	13.1	13.7	13.1	11.9	10.1	9.4	10.1	10.6
137.5°	11.9	11.9	11.9	11.3	10.6	10.1	8.0	7.5	7.5	8.0	8.7
140°	10.1	10.1	10.1	8.7	8.0	6.9	5.7	5.0	5.7	6.2	6.9
142.5°	8.0	8.0	8.0	6.9	5.7	4.4	3.2	3.2	3.8	4.4	5.0
145°	6.2	6.2	6.2	5.0	3.8	2.5	1.8	2.5	3.2	3.2	3.8
147.5°	4.4	4.4	4.4	3.2	1.8	0.6	0.6	1.8	2.5	2.5	3.2
150°	2.5	2.5	2.5	1.2	0.6	0.0	0.0	1.2	1.8	1.8	2.5
152.5°	0.6	0.6	1.2	0.6	0.0	0.0	0.0	0.6	1.2	1.2	1.8
155°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
160°	0.0	0.0	0.0	0.0	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°	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5
2.5°	181.4	179.5	175.2	170.8	167.0	163.9	161.3	160.2	158.9	158.3	157.0
5°	189.6	185.2	176.5	168.3	160.7	154.5	148.3	144.5	142.0	140.2	139.6
7.5°	203.3	196.4	183.3	170.8	158.9	147.6	140.2	135.2	130.8	128.3	127.7
10°	223.3	214.5	195.1	177.0	160.7	146.4	135.7	128.3	123.3	120.7	120.7
12.5°	252.1	239.0	213.3	188.3	165.7	147.6	134.5	127.7	123.9	122.0	122.0
15°	287.8	270.2	237.1	204.6	175.8	153.3	140.2	132.6	128.8	127.0	127.0
17.5°	327.1	304.7	263.4	222.2	185.8	163.3	146.4	137.6	133.3	131.3	131.3
20°	372.2	346.6	291.5	239.6	199.0	172.6	153.3	142.0	137.6	136.3	135.7
22.5°	423.5	390.4	322.2	257.8	212.1	180.2	158.9	145.8	142.0	140.7	140.7
25°	480.4	440.5	355.3	277.1	222.7	185.8	163.3	150.1	145.8	145.1	144.5
27.5°	540.5	493.7	388.5	295.9	230.9	188.9	165.7	153.8	148.9	148.9	148.3
30°	610.5	549.2	420.4	311.5	235.9	190.2	166.4	155.8	151.5	152.0	152.6
32.5°	680.5	608.0	452.4	325.3	239.6	190.7	166.4	156.3	152.0	153.8	153.8
35°	755.1	668.7	482.9	336.5	241.5	190.2	166.4	157.7	152.6	154.5	155.1
37.5°	833.3	730.7	512.3	345.4	242.8	189.6	166.4	157.7	153.3	155.1	155.1
40°	913.3	792.5	540.5	351.6	242.8	188.9	165.7	157.7	154.5	154.5	155.1
42.5°	999.7	857.0	566.2	356.6	242.8	187.7	165.7	157.7	153.3	153.8	154.5
45°	1091.0	923.4	590.5	360.3	242.1	187.7	165.2	157.0	152.6	152.0	152.6
47.5°	1180.4	992.2	614.4	364.1	241.5	188.3	165.2	156.3	151.5	148.9	149.4
50°	1279.3	1063.5	638.7	366.6	242.1	188.3	165.7	155.8	149.4	146.4	147.1
52.5°	1376.8	1134.7	662.4	369.8	242.1	188.9	165.7	154.5	147.6	143.2	143.9
55°	1480.1	1205.4	685.6	372.8	242.8	189.6	166.4	153.3	145.8	140.7	141.4
57.5°	1570.2	1273.1	706.3	374.8	242.8	190.7	166.4	152.6	143.9	138.2	138.2
60°	1652.8	1335.5	723.2	375.3	242.8	190.7	166.4	151.5	142.6	135.7	135.7
62.5°	1715.4	1377.5	731.3	374.1	241.5	190.7	165.7	150.1	141.4	133.9	133.9
65°	1747.3	1395.7	727.5	369.8	240.3	190.2	165.2	148.3	139.6	132.6	131.9
67.5°	1739.1	1381.9	709.4	361.0	237.1	188.3	163.3	145.8	138.2	131.3	130.1
68°	1731.0	1371.3	703.7	358.5	235.2	187.7	162.7	145.8	137.6	131.3	130.1
70°	1675.9	1325.7	674.3	347.8	232.0	185.2	160.7	143.2	135.7	130.1	128.8
72.5°	1559.5	1226.8	625.0	329.6	224.5	180.9	156.3	140.2	133.3	128.3	126.4
75°	1392.5	1094.8	563.0	308.4	215.2	175.2	150.8	135.7	129.5	125.1	123.3
77.5°	1202.4	939.6	494.8	282.8	204.0	168.3	144.5	130.8	125.1	121.4	118.2
80°	994.7	780.1	426.0	255.8	191.4	159.5	137.6	124.4	119.5	115.2	112.6
82.5°	797.6	631.8	361.0	230.2	176.5	148.3	129.5	117.0	112.0	108.2	105.1
85°	625.0	503.5	302.1	204.0	162.7	138.2	120.7	108.8	104.5	100.1	96.9
87.5°	484.2	395.9	253.4	179.5	147.1	127.0	112.0	100.7	95.7	90.6	88.2
90°	374.1	311.5	209.6	156.3	133.3	116.4	102.6	92.0	86.4	82.0	79.4
92.5°	288.5	245.9	173.9	137.0	118.9	105.1	93.2	83.8	77.6	71.9	70.0
95°	223.3	194.6	144.5	118.9	105.8	94.5	84.4	75.1	68.2	62.6	60.6
97.5°	173.9	153.8	120.0	102.6	93.2	83.8	75.1	66.9	60.1	53.2	51.9
100°	134.5	122.0	100.7	88.8	82.0	73.9	66.3	59.4	51.3	45.1	44.5
102.5°	105.8	97.6	84.4	76.9	71.3	65.0	58.8	51.9	43.8	37.5	36.9
105°	83.8	78.7	70.7	65.7	62.0	57.0	51.9	45.1	36.3	31.2	31.2
107.5°	66.9	63.8	59.4	56.3	53.7	49.3	45.1	38.1	30.0	25.6	26.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	54.4	52.6	50.0	48.8	46.9	43.1	38.8	32.6	25.0	21.3	21.9
112.5°	44.5	43.8	42.5	41.9	40.7	37.5	33.1	26.9	20.0	18.1	18.1
115°	36.9	36.3	36.3	35.6	35.1	32.6	28.2	22.5	16.3	15.0	15.0
117.5°	31.2	31.2	30.7	30.7	30.0	27.6	23.8	18.8	13.1	12.6	12.6
120°	26.2	26.2	26.2	26.2	25.6	23.2	20.0	15.0	10.6	10.6	10.6
122.5°	22.5	23.2	22.5	22.5	21.9	20.0	16.3	11.9	8.7	8.7	9.4
125°	19.3	19.3	19.3	18.8	18.1	16.3	13.1	9.4	7.5	7.5	7.5
127.5°	16.9	16.9	16.9	16.3	15.0	13.7	10.6	7.5	6.2	6.2	6.2
130°	15.0	14.4	14.4	13.7	12.6	10.6	8.0	5.7	5.0	5.0	5.0
132.5°	12.6	12.6	11.9	11.3	10.1	8.0	6.2	3.8	3.8	4.4	4.4
135°	10.6	10.6	10.1	8.7	7.5	6.2	4.4	3.2	3.2	3.2	3.2
137.5°	8.7	8.7	8.0	6.9	5.7	3.8	2.5	1.8	1.8	2.5	2.5
140°	6.9	6.9	6.2	5.0	3.8	2.5	1.2	0.6	1.2	1.2	1.2
142.5°	5.0	5.0	4.4	3.2	1.8	1.2	0.0	0.6	0.6	0.6	0.6
145°	3.8	3.8	3.2	2.5	1.2	0.6	0.0	0.0	0.6	0.0	0.0
147.5°	3.2	3.2	2.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)