

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: P266088

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
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-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4490.3 lumens
Efficiency: N/A
Efficacy: 83.2 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

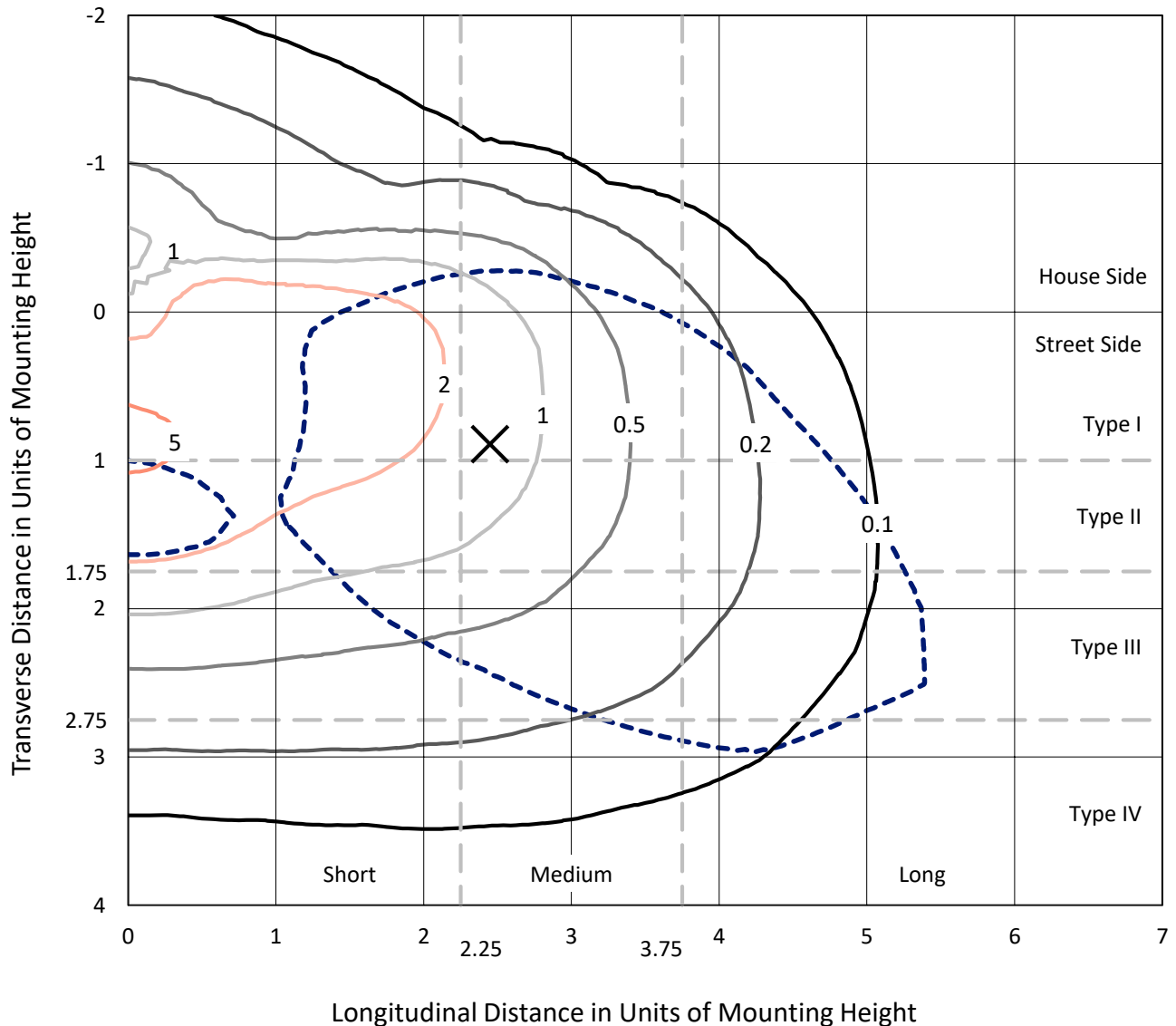


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

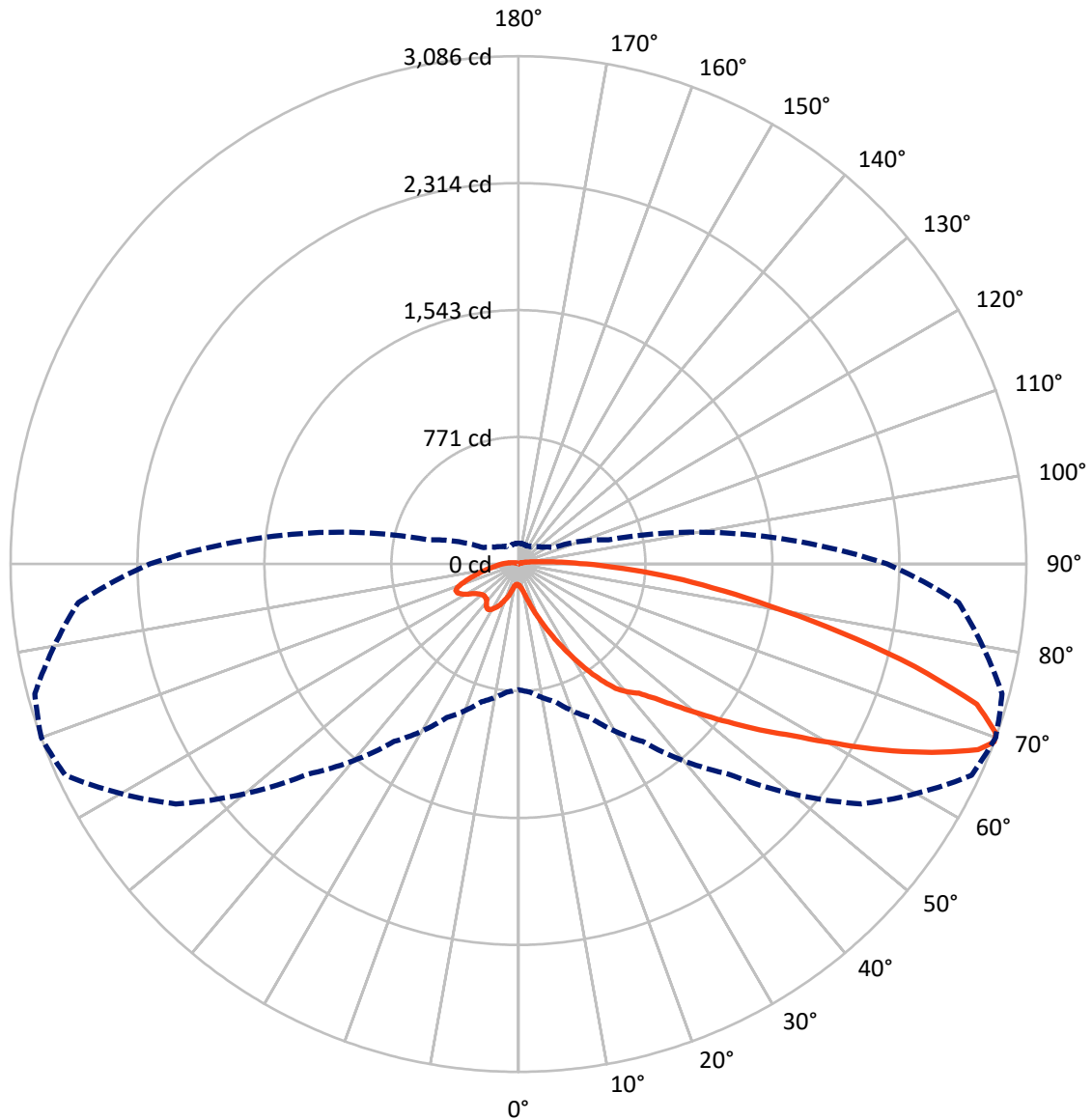


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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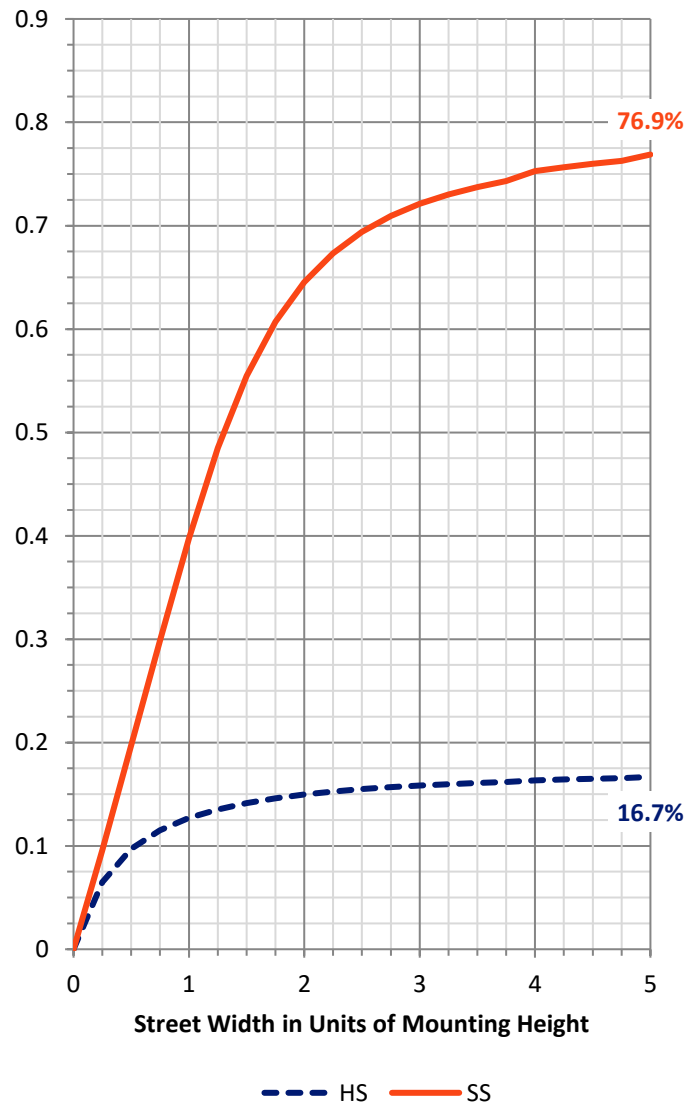
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	781.0	61.7	842.7
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	3546.0	101.6	3647.6
	% Fixture	79.0	2.3	81.2
Total	Lumens	4327.0	163.2	4490.3
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.3
10°-20°	57.7	1.3
20°-30°	160.4	3.6
30°-40°	338.9	7.5
40°-50°	568.6	12.7
50°-60°	857.2	19.1
60°-70°	1115.3	24.8
70°-80°	872.2	19.4
80°-90°	343.6	7.7
90°-100°	101.9	2.3
100°-110°	33.4	0.7
110°-120°	14.3	0.3
120°-130°	7.7	0.2
130°-140°	4.1	0.1
140°-150°	1.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4327.0	96.4
0°-180°	4490.3	100.0

Coefficient of Utilization



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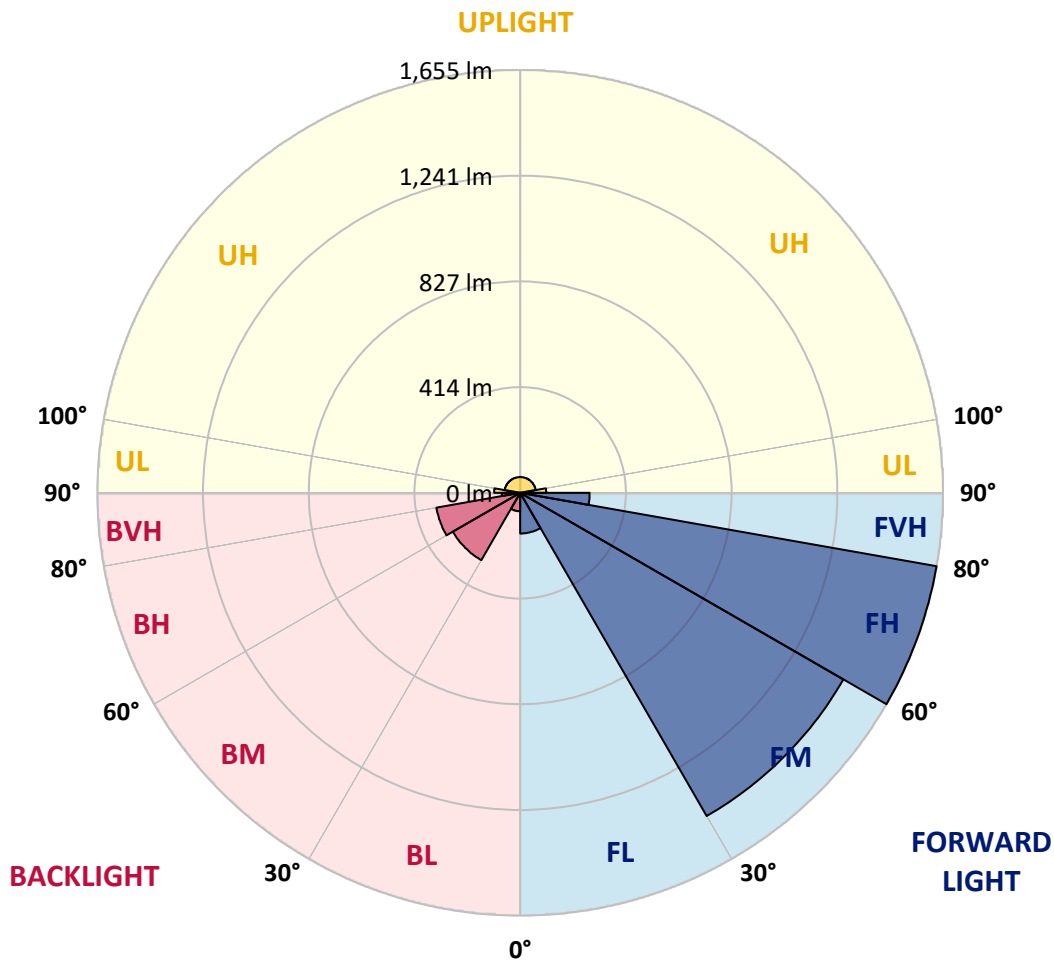
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.2	3.5			
FM	(30°-60°)	1460.4	32.5			
FH	(60°-80°)	1654.6	36.8			G1/1800
FVH	(80°-90°)	271.8	6.1			G3/500
BL	(0°-30°)	72.2	1.6	B0/110		
BM	(30°-60°)	304.3	6.8	B1/1000		
BH	(60°-80°)	332.9	7.4	B1/500		G1/500
BVH	(80°-90°)	71.8	1.6			G1/100
UL	(90°-100°)	101.9	2.3		U3/500	
UH	(100°-180°)	61.7	1.4		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°	70°	75°	85°
0°	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1
2.5°	143.3	143.3	143.9	143.3	142.7	140.4	138.2	135.5	134.2	133.2	130.3
5°	159.5	159.5	159.0	157.9	156.8	152.8	149.5	144.9	142.7	140.4	135.5
7.5°	179.2	178.8	178.1	175.9	173.6	168.6	163.5	157.9	154.5	151.8	144.9
10°	202.8	202.3	201.7	197.7	194.5	188.9	183.8	176.4	173.6	169.7	160.2
12.5°	233.2	234.8	231.6	225.4	220.9	213.0	209.6	204.5	201.2	199.5	189.4
15°	271.4	272.5	268.1	258.0	251.7	243.9	245.0	245.5	243.9	243.9	231.6
17.5°	317.6	315.2	311.8	297.2	287.6	284.4	289.3	294.5	295.5	297.2	284.4
20°	375.3	376.5	366.4	344.9	329.9	330.9	337.1	346.7	351.1	355.1	341.6
22.5°	454.6	445.6	433.8	403.5	382.7	378.1	387.7	406.3	413.6	423.7	410.7
25°	539.4	530.4	509.7	474.8	443.4	429.8	445.6	477.5	489.9	506.9	495.5
27.5°	629.9	622.5	591.2	554.1	511.3	487.7	508.5	551.7	571.4	592.8	580.5
30°	727.1	718.6	681.5	637.7	583.8	554.1	570.3	632.6	665.3	694.5	688.9
32.5°	842.9	831.7	786.0	730.5	659.6	624.3	641.7	726.5	767.5	805.2	797.3
35°	972.1	966.4	905.9	835.0	747.8	697.9	722.1	814.3	865.8	905.9	895.2
37.5°	1120.5	1113.7	1044.5	950.8	840.0	777.2	795.1	898.5	958.6	1000.7	977.1
40°	1258.6	1251.9	1183.3	1073.3	936.2	860.2	875.5	967.7	1022.1	1056.3	1013.1
42.5°	1406.4	1393.5	1317.0	1190.2	1038.4	948.5	945.0	1020.5	1072.7	1117.0	1072.0
45°	1536.8	1533.4	1451.4	1305.9	1141.2	1035.0	1013.1	1096.8	1165.5	1225.0	1178.8
47.5°	1618.8	1614.3	1554.2	1409.3	1231.1	1119.3	1103.6	1205.9	1286.3	1350.8	1297.4
50°	1662.7	1661.0	1618.2	1488.0	1321.0	1212.1	1223.2	1339.1	1429.5	1510.4	1453.1
52.5°	1681.7	1681.7	1648.6	1544.0	1400.7	1318.3	1360.4	1493.0	1594.8	1681.7	1605.4
55°	1679.6	1680.1	1645.9	1557.7	1464.2	1429.5	1516.6	1675.0	1777.8	1871.7	1782.3
57.5°	1608.8	1613.3	1605.9	1548.6	1498.6	1542.4	1696.4	1870.6	1967.2	2056.0	1956.0
60°	1438.5	1450.3	1476.2	1487.4	1506.5	1649.7	1883.4	2091.4	2211.1	2319.6	2237.5
62.5°	1273.8	1283.9	1319.9	1368.7	1485.1	1731.3	2091.4	2394.3	2489.8	2593.8	2441.5
65°	1073.8	1089.6	1159.7	1252.4	1433.4	1788.5	2320.6	2677.9	2760.0	2810.1	2621.3
67.5°	872.7	887.3	971.5	1119.3	1366.1	1821.8	2489.8	2930.9	3011.7	3016.9	2736.4
69°	763.6	779.9	866.4	1029.4	1315.9	1803.6	2541.5	3037.7	3085.9	3042.1	2684.8
70°	705.2	705.2	801.3	967.7	1272.1	1770.6	2549.8	3045.6	3077.0	3012.3	2630.2
72.5°	511.3	517.0	617.6	811.3	1132.3	1636.8	2408.8	2894.3	2912.3	2738.8	2266.2
75°	350.6	356.3	445.0	630.4	951.2	1424.4	2125.1	2503.2	2487.5	2296.4	1832.4
77.5°	242.7	246.7	314.0	459.7	752.4	1178.8	1771.1	2046.5	2007.7	1828.9	1371.1
80°	170.3	174.2	225.8	341.6	571.0	927.7	1404.2	1603.1	1546.9	1387.9	1006.9
82.5°	119.7	123.1	165.7	258.5	432.7	722.1	1107.5	1246.8	1191.2	1050.2	719.8
85°	85.3	87.7	120.3	196.6	331.6	538.4	840.6	934.4	877.6	747.3	478.2
87.5°	61.9	64.0	88.8	148.3	256.7	418.6	621.4	661.3	582.1	473.0	302.3
90°	46.6	48.2	66.8	111.3	200.1	307.4	445.0	430.9	373.1	298.3	201.7
92.5°	34.9	35.9	51.2	84.4	153.4	238.8	309.0	281.0	232.7	188.9	137.7
95°	25.8	26.9	38.7	63.5	113.5	171.3	201.7	173.6	144.9	119.7	93.9
97.5°	19.7	20.8	30.4	48.2	82.0	120.8	130.3	110.8	96.1	82.0	66.8
100°	15.7	16.3	23.5	37.1	59.0	82.6	89.9	77.0	67.5	60.1	50.6
102.5°	12.3	13.5	19.1	29.3	44.9	61.3	65.1	56.2	50.0	44.9	39.9
105°	10.7	11.3	15.7	23.5	35.5	46.1	49.4	42.1	37.1	33.7	30.9
107.5°	9.5	9.5	13.5	19.7	28.7	36.6	38.2	31.5	27.6	25.3	23.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	8.4	8.4	11.8	16.9	24.2	30.4	29.7	23.5	20.8	18.5	18.5
112.5°	7.8	7.8	10.2	15.2	20.8	25.3	23.5	18.5	16.3	14.1	15.2
115°	7.2	7.2	9.5	13.5	18.5	21.4	19.7	14.6	12.3	11.3	12.3
117.5°	7.2	7.2	9.1	12.3	16.9	18.5	16.9	12.3	10.2	9.5	10.7
120°	7.2	7.2	9.1	11.8	15.2	16.3	14.1	10.2	9.1	7.8	9.5
122.5°	7.2	7.2	8.4	11.3	14.1	14.6	12.3	9.1	7.2	7.2	8.4
125°	7.8	7.8	9.1	11.3	12.9	12.9	10.7	7.8	6.7	6.7	8.4
127.5°	8.4	8.4	9.1	10.7	11.8	11.3	9.5	7.2	6.7	6.7	7.8
130°	9.1	9.1	9.5	10.2	10.7	9.5	7.8	6.7	6.2	6.7	7.8
132.5°	9.1	9.1	9.1	9.5	9.5	8.4	6.7	5.6	5.6	6.2	7.2
135°	8.4	8.4	8.4	8.4	8.4	6.7	5.6	5.1	5.1	5.6	6.7
137.5°	7.2	7.2	6.7	6.7	6.7	5.6	4.5	4.0	4.0	4.5	5.6
140°	5.6	5.6	5.6	5.6	5.6	4.5	3.4	2.9	3.4	4.0	4.5
142.5°	4.5	4.5	4.5	4.5	4.5	3.4	2.2	2.9	3.4	3.4	4.0
145°	4.0	3.4	3.4	3.4	3.4	2.2	1.6	2.2	2.9	3.4	3.4
147.5°	2.9	2.9	2.9	2.9	2.2	1.1	1.1	2.2	2.2	2.9	3.4
150°	1.6	1.6	1.6	1.6	1.1	0.5	1.1	1.6	2.2	2.2	2.9
152.5°	0.5	0.5	1.1	1.1	0.5	0.0	0.5	1.1	1.6	1.6	2.2
155°	0.0	0.0	0.5	1.1	0.0	0.0	0.5	1.1	1.1	1.6	1.6
157.5°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	1.1	1.1	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1
2.5°	128.6	127.6	125.4	123.6	121.5	119.7	119.7	117.9	117.9	117.5	116.9
5°	133.2	131.5	125.9	121.9	117.9	114.7	112.4	110.8	109.1	107.8	107.3
7.5°	141.7	137.7	129.7	123.1	116.3	111.3	106.8	103.9	101.7	101.1	100.0
10°	155.6	151.2	138.8	127.6	117.5	109.1	103.3	99.4	97.1	96.7	96.1
12.5°	183.2	176.4	158.5	140.0	120.8	107.8	100.6	100.0	100.6	101.7	102.2
15°	223.0	215.8	188.3	159.0	129.7	109.6	105.6	106.8	108.4	110.1	110.1
17.5°	271.9	259.6	222.5	180.4	141.0	119.7	110.8	111.7	115.3	117.9	117.9
20°	326.4	306.9	254.5	196.1	151.8	126.4	115.7	116.3	121.5	124.8	125.4
22.5°	392.7	362.9	288.3	209.0	157.9	129.3	119.1	119.7	127.6	133.2	133.8
25°	467.5	428.8	327.1	223.0	160.2	128.1	120.8	124.8	137.1	146.7	147.2
27.5°	542.2	488.9	356.7	232.7	158.5	124.8	121.9	130.3	145.5	154.5	155.6
30°	638.9	572.0	390.0	236.6	152.8	121.5	121.9	132.6	145.5	154.5	155.0
32.5°	735.0	643.9	417.0	239.4	146.7	118.5	120.3	129.7	142.1	152.3	152.8
35°	816.4	701.2	428.8	233.7	141.0	116.9	117.5	127.0	141.0	153.4	154.0
37.5°	876.6	738.3	427.7	220.3	134.2	115.3	115.7	126.4	142.1	155.6	157.4
40°	896.8	740.7	406.3	200.6	129.7	114.7	116.3	126.4	141.0	152.3	154.0
42.5°	943.9	760.2	391.7	183.2	126.4	115.7	117.9	124.8	135.5	146.2	148.3
45°	1028.3	813.7	395.6	174.7	125.9	118.5	119.1	123.1	130.3	140.4	143.3
47.5°	1119.3	868.1	397.3	170.3	128.6	121.5	120.8	121.5	125.4	133.8	136.5
50°	1245.2	950.1	406.3	169.7	133.2	124.8	122.4	120.3	123.1	133.2	136.0
52.5°	1374.9	1037.3	420.9	173.1	140.0	129.3	124.8	120.8	123.1	132.1	136.0
55°	1519.9	1145.7	442.2	179.8	146.7	134.2	127.6	122.4	122.4	130.3	133.8
57.5°	1680.1	1257.5	470.4	188.9	154.0	140.0	129.7	123.1	121.9	127.0	129.7
60°	1929.0	1445.3	519.8	201.7	161.2	144.4	131.5	123.6	122.4	126.4	128.1
62.5°	2094.2	1575.5	562.5	214.7	168.1	148.3	132.1	123.6	123.6	125.9	127.0
65°	2251.0	1689.6	591.2	226.5	174.2	150.6	132.1	123.1	123.6	125.4	125.4
67.5°	2303.9	1718.3	592.8	234.8	178.1	150.6	131.0	122.4	124.1	125.9	125.4
69°	2240.4	1658.7	567.5	235.4	178.1	148.8	129.7	121.5	124.1	125.9	125.4
70°	2180.1	1607.5	546.2	233.2	176.4	147.2	128.1	120.8	123.6	125.4	124.8
72.5°	1841.3	1329.0	462.4	221.9	170.3	141.7	123.1	116.9	120.8	123.1	121.9
75°	1467.1	1047.3	377.0	202.3	159.5	132.6	116.3	110.8	115.3	117.5	115.7
77.5°	1093.4	775.4	301.7	182.6	147.9	124.8	109.1	102.9	106.2	107.3	105.6
80°	793.5	563.0	242.2	164.6	137.1	116.9	101.7	95.0	97.7	97.7	95.5
82.5°	560.8	400.0	195.6	146.7	125.9	110.1	95.5	88.3	92.2	91.5	89.3
85°	375.9	277.5	160.2	127.0	112.9	101.1	88.8	83.2	87.7	87.0	84.8
87.5°	248.9	198.3	134.2	110.1	99.0	89.9	80.8	77.0	81.4	80.4	77.6
90°	176.4	150.0	113.5	95.0	84.8	78.2	72.0	69.1	72.0	69.7	66.8
92.5°	127.0	112.4	93.2	79.8	70.7	66.4	62.3	60.1	61.9	58.4	56.2
95°	89.9	82.6	74.6	65.8	59.0	55.1	52.8	51.7	52.8	47.8	46.1
97.5°	65.8	62.3	59.0	54.4	48.9	46.6	44.9	43.8	43.8	38.7	37.6
100°	51.2	49.4	48.2	45.5	41.1	39.3	38.2	37.6	36.6	32.0	30.9
102.5°	41.1	40.5	40.5	37.6	34.2	33.1	32.0	31.5	30.4	26.4	25.3
105°	32.6	32.6	33.1	30.9	28.7	27.6	26.9	25.8	24.8	21.9	21.9
107.5°	25.8	25.8	26.9	25.3	24.2	23.0	22.5	21.4	20.2	18.5	18.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.2	20.8	22.5	21.4	20.2	19.7	19.1	17.3	16.3	15.7	15.7
112.5°	16.3	17.3	18.5	18.0	16.9	16.9	15.7	14.6	13.5	13.5	13.5
115°	14.1	14.6	15.7	15.2	14.6	14.1	13.5	11.8	11.3	11.3	11.8
117.5°	11.8	12.3	13.5	12.9	12.3	12.3	11.3	10.2	9.1	10.2	10.2
120°	10.2	10.7	11.3	11.3	10.7	10.7	9.5	8.4	7.2	8.4	8.4
122.5°	9.5	9.5	10.2	9.5	9.5	9.1	7.8	6.7	6.2	7.2	7.2
125°	9.1	9.1	9.1	8.4	8.4	7.8	6.7	5.6	5.1	6.2	6.2
127.5°	8.4	8.4	8.4	7.8	6.7	6.2	5.6	4.5	4.0	5.1	5.1
130°	8.4	8.4	7.2	6.7	6.2	5.1	4.5	3.4	3.4	4.5	4.5
132.5°	7.8	7.2	6.7	5.6	5.1	4.0	3.4	2.9	2.9	3.4	4.0
135°	6.7	6.7	5.6	4.5	4.0	2.9	2.9	1.6	2.2	2.9	2.9
137.5°	5.6	5.6	5.1	4.0	2.9	2.2	1.6	1.1	1.6	2.2	2.2
140°	5.1	4.5	4.0	3.4	2.2	1.1	1.1	0.5	1.1	1.1	1.6
142.5°	4.5	4.5	4.0	2.9	1.6	1.1	0.0	0.5	0.5	0.5	1.1
145°	4.0	4.0	3.4	2.2	1.6	0.5	0.0	0.5	0.5	0.5	0.0
147.5°	3.4	3.4	2.9	2.2	1.1	0.0	0.0	0.0	0.5	0.0	0.0
150°	2.9	2.9	2.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.5	0.5	0.5	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)