

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: P254961

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254961
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 5231.4 lumens
Efficiency: N/A
Efficacy: 96.9 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: B1 - U3 - G3

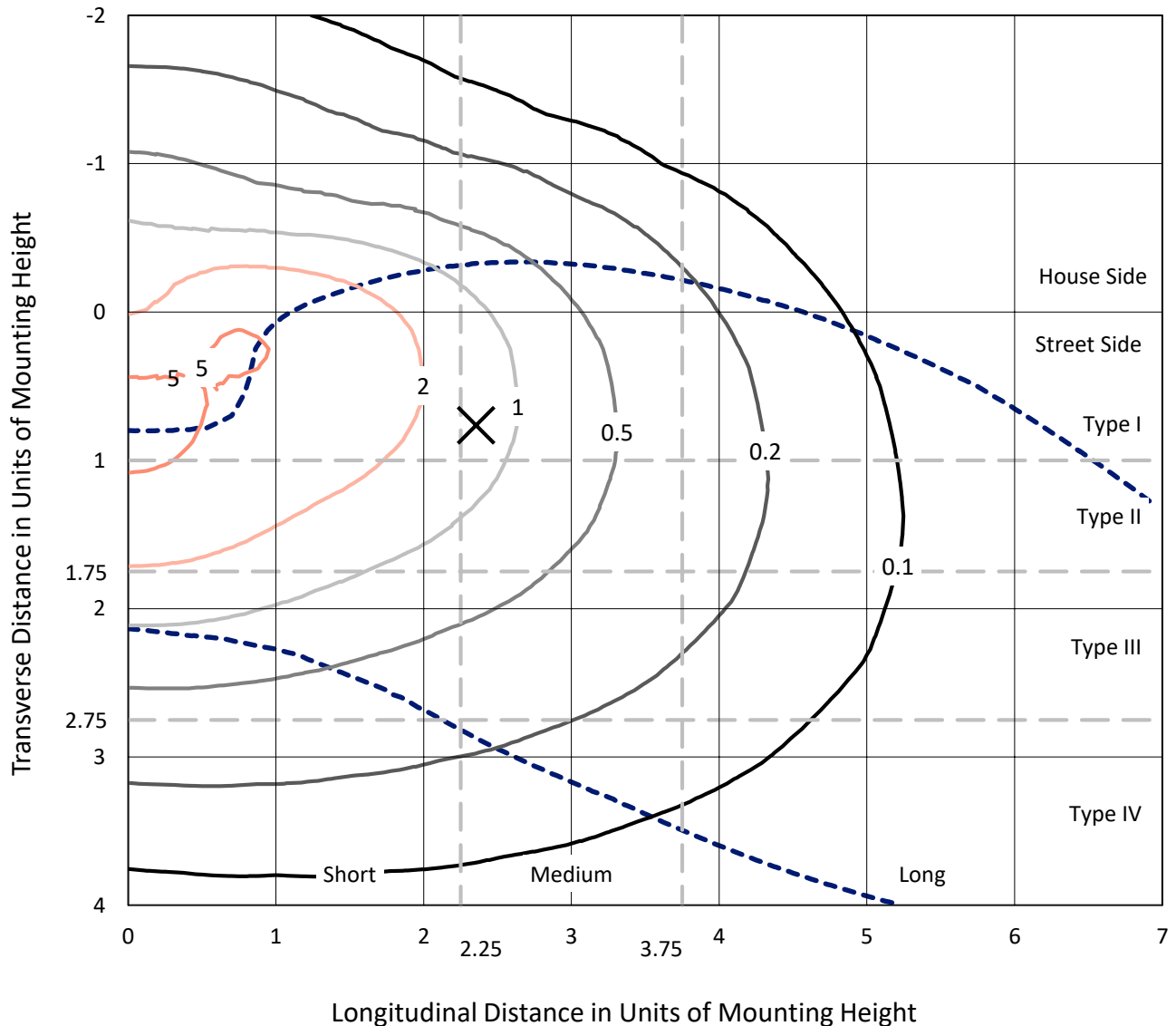
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

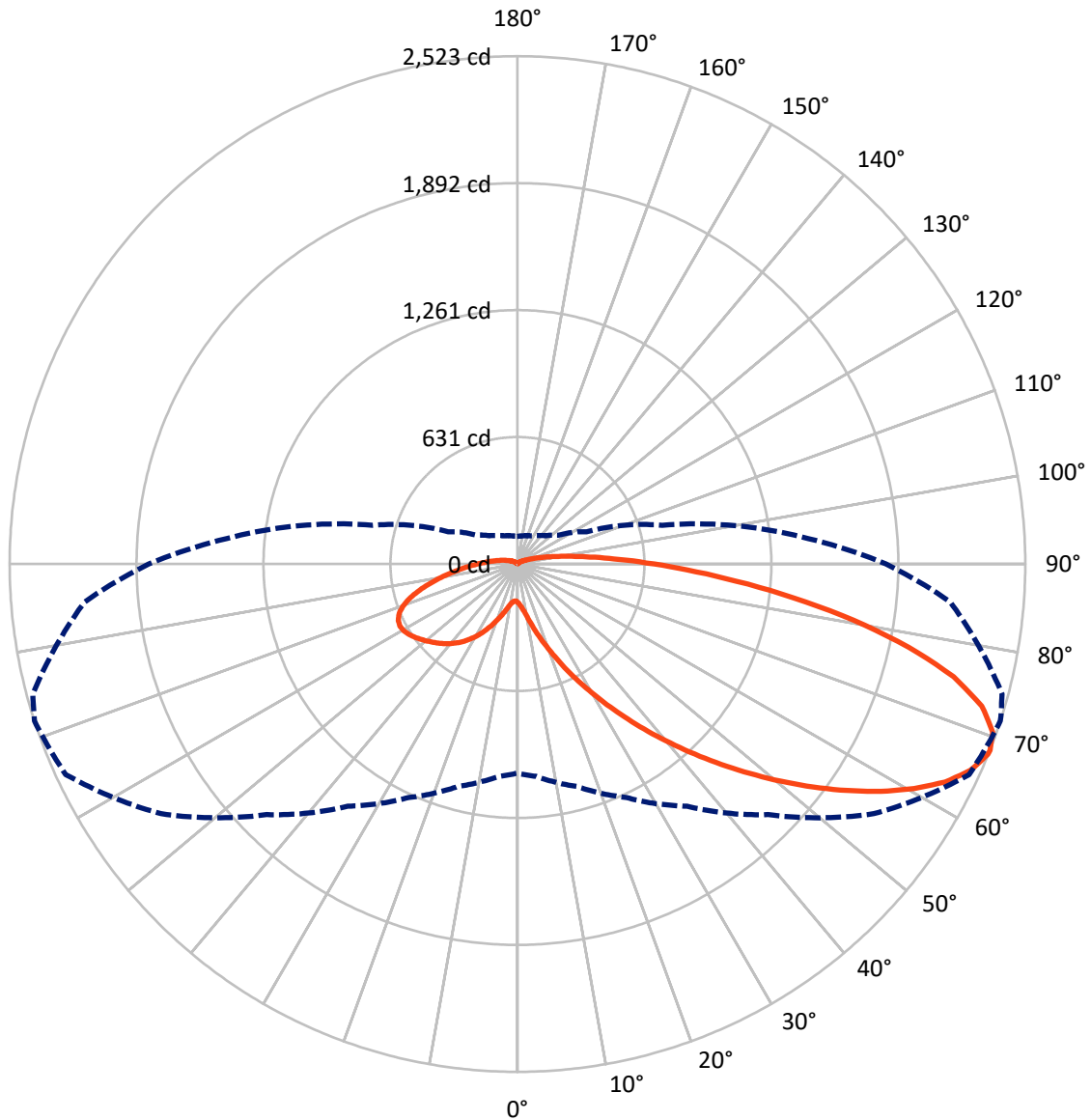
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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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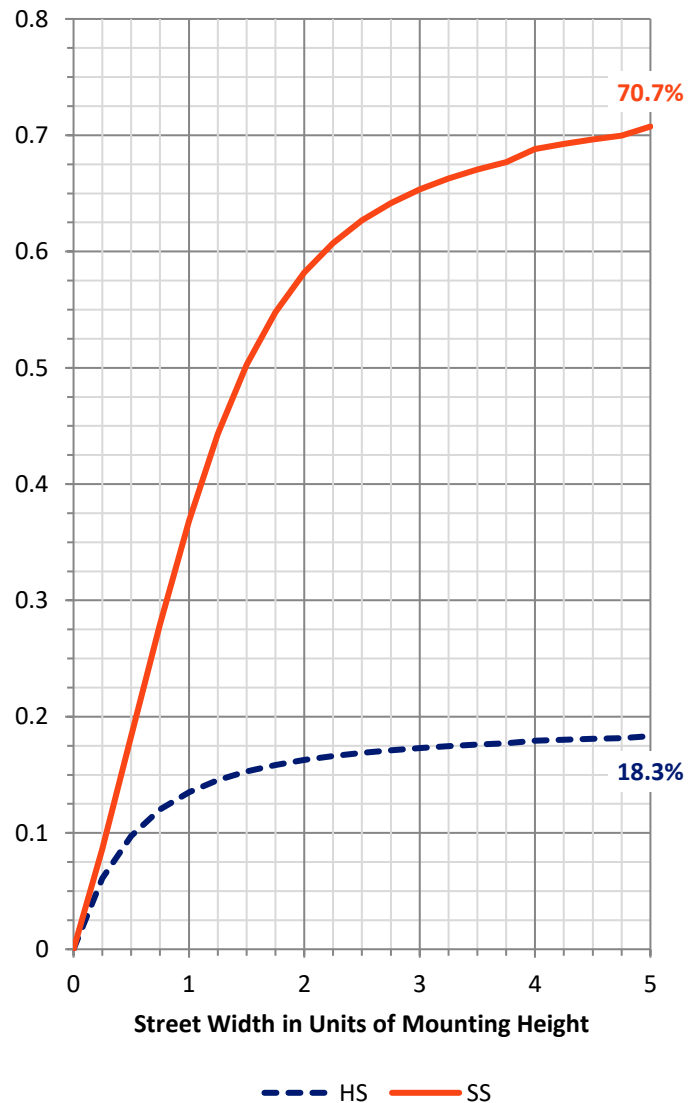
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1005.4	119.7	1125.1
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	3859.4	246.9	4106.2
	% Fixture	73.8	4.7	78.5
Total	Lumens	4864.7	366.6	5231.4
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.4
10°-20°	83.1	1.6
20°-30°	205.4	3.9
30°-40°	401.9	7.7
40°-50°	669.7	12.8
50°-60°	954.0	18.2
60°-70°	1105.2	21.1
70°-80°	923.0	17.6
80°-90°	502.5	9.6
90°-100°	210.9	4.0
100°-110°	87.8	1.7
110°-120°	39.6	0.8
120°-130°	18.5	0.4
130°-140°	7.7	0.1
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4864.7	93.0
0°-180°	5231.4	100.0



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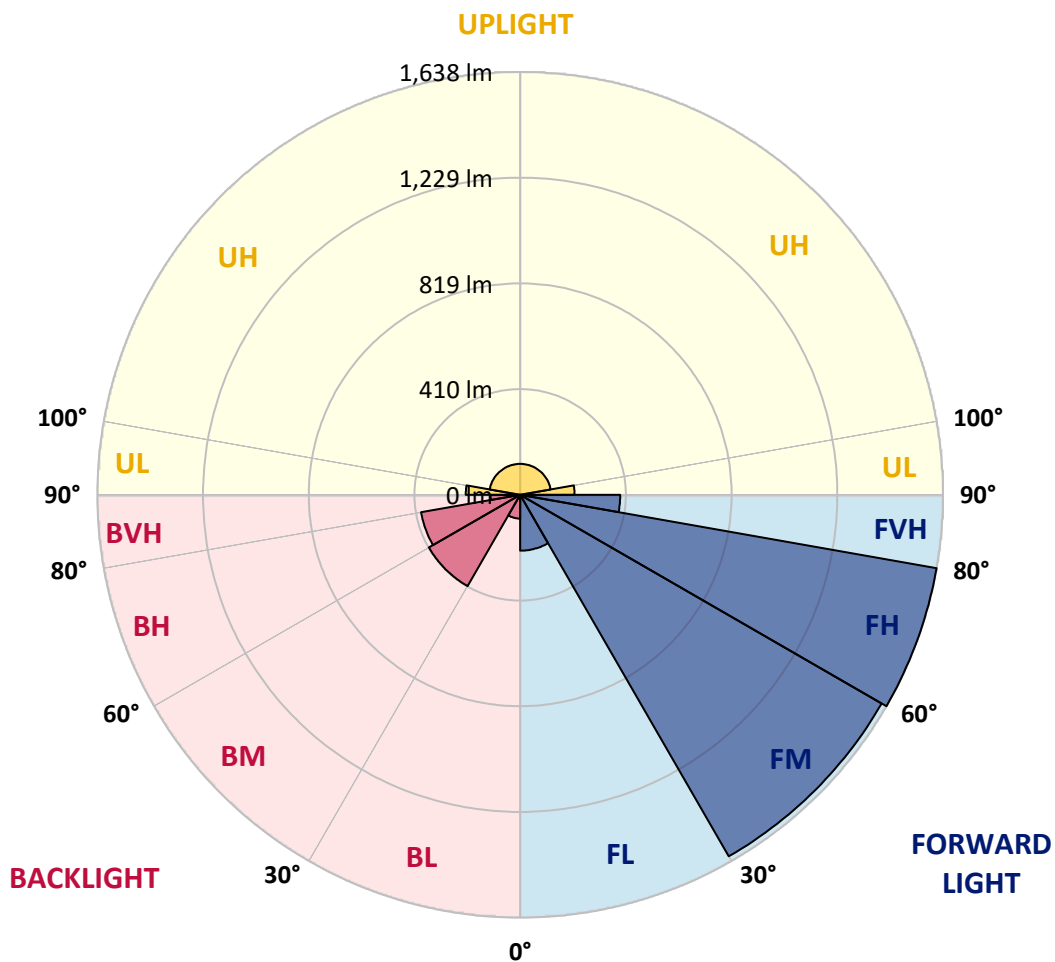
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.4	4.1			
FM	(30°-60°)	1617.2	30.9			
FH	(60°-80°)	1638.3	31.3			G1/1800
FVH	(80°-90°)	387.4	7.4			G3/500
BL	(0°-30°)	92.1	1.8	B0/110		
BM	(30°-60°)	408.3	7.8	B1/1000		
BH	(60°-80°)	389.9	7.5	B1/500		G1/500
BVH	(80°-90°)	115.1	2.2			G2/225
UL	(90°-100°)	210.9	4.0		U3/500	
UH	(100°-180°)	119.7	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°	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	217.7	217.7	218.3	216.4	214.4	212.4	207.8	203.8	200.5	198.5	194.6
5°	247.5	248.2	246.8	244.8	241.5	236.9	230.3	222.3	215.7	214.4	205.1
7.5°	282.5	282.5	281.2	277.9	273.9	267.3	257.4	246.8	237.5	235.6	221.7
10°	322.8	322.8	322.2	316.9	311.0	303.0	291.1	279.9	267.3	263.3	244.8
12.5°	370.5	369.9	367.9	361.3	353.9	344.0	330.8	316.9	305.0	300.3	277.9
15°	422.2	422.2	419.5	410.9	402.3	390.4	378.5	366.5	351.4	346.1	317.6
17.5°	479.0	478.3	473.1	465.1	453.3	444.0	432.7	418.8	402.3	395.7	362.5
20°	543.2	541.2	534.0	523.3	512.8	500.8	489.6	470.5	456.5	452.6	414.2
22.5°	616.0	612.6	603.4	588.9	576.3	561.7	549.8	533.3	520.7	513.4	475.8
25°	697.3	696.0	684.8	661.0	643.1	626.6	614.7	606.7	595.5	584.9	541.2
27.5°	786.0	782.8	764.2	740.4	712.6	694.1	682.8	676.9	670.2	664.3	613.4
30°	881.3	879.3	854.9	825.1	788.0	764.2	756.3	756.9	755.6	749.6	693.4
32.5°	984.5	983.2	952.8	915.0	868.8	837.0	835.0	845.0	846.9	842.9	779.4
35°	1095.1	1093.7	1058.7	1011.7	953.4	916.4	919.0	938.3	946.8	943.5	871.3
37.5°	1207.5	1206.2	1169.7	1112.3	1040.8	998.4	1006.4	1038.1	1054.7	1052.0	969.3
40°	1331.3	1319.3	1281.7	1212.8	1131.4	1084.4	1102.3	1144.7	1169.1	1159.8	1071.8
42.5°	1438.4	1429.8	1388.8	1312.0	1223.3	1180.4	1202.2	1257.8	1290.9	1288.2	1181.7
45°	1533.0	1529.1	1488.7	1406.7	1315.3	1272.3	1307.4	1378.8	1419.9	1412.6	1297.5
47.5°	1618.4	1611.8	1574.7	1492.0	1400.0	1368.9	1416.6	1503.2	1554.2	1549.6	1417.3
50°	1676.0	1673.3	1640.9	1562.1	1478.8	1452.3	1531.1	1638.3	1695.8	1690.5	1541.6
52.5°	1702.4	1701.8	1679.9	1613.8	1546.3	1550.3	1647.5	1776.6	1840.1	1838.0	1670.7
55°	1693.8	1693.2	1685.2	1641.5	1599.2	1631.6	1764.0	1917.4	1986.3	1984.9	1795.7
57.5°	1642.9	1645.5	1656.1	1640.2	1634.3	1706.4	1876.4	2055.1	2130.5	2126.5	1918.1
60°	1545.6	1551.6	1585.3	1605.1	1644.2	1759.3	1980.3	2190.8	2264.8	2258.2	2029.2
62.5°	1412.0	1425.9	1476.1	1536.4	1624.3	1795.1	2072.9	2311.2	2384.6	2370.7	2106.7
65°	1252.5	1268.4	1336.5	1435.8	1574.7	1800.3	2139.1	2409.8	2473.2	2455.4	2160.3
67.5°	1075.2	1095.1	1177.7	1308.0	1490.6	1771.9	2162.9	2470.6	2520.9	2492.4	2165.6
68°	1038.8	1058.7	1144.0	1279.6	1468.9	1760.6	2162.3	2475.8	2522.9	2492.4	2157.6
70°	897.2	918.4	1011.7	1161.9	1382.2	1704.4	2136.4	2469.9	2505.0	2468.0	2104.7
72.5°	735.7	756.9	850.9	1010.4	1249.2	1588.6	2045.8	2395.9	2412.3	2368.7	1977.0
75°	590.9	612.6	703.4	864.1	1105.0	1451.0	1895.6	2241.0	2237.7	2186.8	1784.4
77.5°	467.8	487.6	573.7	725.8	956.8	1282.9	1702.4	2010.1	1988.2	1934.7	1539.6
80°	367.9	385.8	463.8	603.4	813.9	1106.9	1471.5	1728.9	1692.5	1637.5	1276.3
82.5°	287.1	303.7	372.5	496.2	682.2	935.6	1223.3	1431.8	1381.5	1331.3	1023.6
85°	224.3	237.5	298.4	404.9	563.7	773.5	1006.4	1143.4	1090.4	1046.7	797.9
87.5°	175.3	186.6	238.1	328.9	465.1	628.6	802.6	890.6	841.0	805.3	612.0
90°	137.6	145.6	191.9	266.7	375.1	506.9	630.5	683.4	639.1	611.3	467.1
92.5°	109.1	115.1	152.8	216.4	302.4	402.3	488.3	518.0	481.0	460.5	354.7
95°	87.4	92.0	123.8	176.7	246.1	318.2	375.8	391.1	361.9	346.1	269.2
97.5°	71.5	74.8	101.9	143.6	197.1	252.8	291.1	297.1	273.2	261.4	205.8
100°	59.5	61.6	84.0	119.1	160.1	201.1	227.0	227.6	207.8	197.8	156.8
102.5°	50.3	51.7	70.2	99.2	132.4	161.4	178.6	175.3	157.4	149.6	120.4
105°	43.0	44.3	58.9	83.4	110.5	131.0	141.0	135.6	120.4	114.5	93.3
107.5°	37.7	38.4	49.6	70.2	92.7	107.8	113.9	106.5	93.3	88.0	73.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	33.0	33.8	42.4	60.3	78.1	90.6	92.7	84.0	72.7	68.8	58.9
112.5°	29.2	29.8	37.0	50.9	66.8	76.1	76.7	67.5	57.6	54.2	47.7
115°	26.5	27.1	32.4	43.7	56.9	64.1	63.5	54.2	45.6	43.0	39.1
117.5°	24.4	25.2	29.2	37.7	49.0	54.2	52.9	44.3	37.0	35.1	33.0
120°	22.5	23.1	25.8	32.4	41.6	46.3	43.7	35.7	30.5	29.2	27.8
122.5°	21.2	21.2	23.1	28.4	35.7	39.1	36.4	29.8	25.2	23.8	23.8
125°	19.2	19.8	21.2	24.4	30.5	33.0	30.5	24.4	20.6	20.6	20.6
127.5°	18.5	18.5	19.2	21.8	25.8	27.8	25.2	19.8	17.2	17.2	17.9
130°	17.2	17.2	17.2	19.2	21.8	22.5	19.8	15.9	14.5	14.5	15.2
132.5°	15.9	15.9	15.9	16.6	17.9	17.9	15.9	13.2	12.6	12.6	13.2
135°	14.5	14.5	13.9	13.9	14.5	13.9	12.6	10.5	9.9	10.5	11.3
137.5°	12.6	12.6	12.6	11.9	11.3	10.5	8.6	8.0	8.0	8.6	9.3
140°	10.5	10.5	10.5	9.3	8.6	7.3	5.9	5.3	5.9	6.6	7.3
142.5°	8.6	8.6	8.6	7.3	5.9	4.6	3.3	3.3	4.0	4.6	5.3
145°	6.6	6.6	6.6	5.3	4.0	2.7	1.9	2.7	3.3	3.3	4.0
147.5°	4.6	4.6	4.6	3.3	1.9	0.6	0.6	1.9	2.7	2.7	3.3
150°	2.7	2.7	2.7	1.3	0.6	0.0	0.0	1.3	1.9	1.9	2.7
152.5°	0.6	0.6	1.3	0.6	0.0	0.0	0.0	0.6	1.3	1.3	1.9
155°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3
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°	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9
2.5°	191.9	189.9	185.3	180.7	176.7	173.4	170.7	169.4	168.1	167.4	166.0
5°	200.5	195.9	186.6	178.0	170.0	163.5	156.8	152.8	150.2	148.2	147.5
7.5°	215.0	207.8	193.8	180.7	168.1	156.1	148.2	142.9	138.3	135.6	134.9
10°	236.2	227.0	206.4	187.2	170.0	154.9	143.6	135.6	130.3	127.7	127.7
12.5°	266.7	252.8	225.7	199.2	175.3	156.1	142.3	134.9	131.0	129.0	129.0
15°	304.3	285.8	250.7	216.4	186.0	162.1	148.2	140.2	136.3	134.3	134.3
17.5°	346.1	322.2	278.5	234.9	196.5	172.7	154.9	145.6	141.0	138.9	138.9
20°	393.6	366.5	308.3	253.4	210.4	182.6	162.1	150.2	145.6	144.2	143.6
22.5°	448.0	412.9	340.7	272.6	224.3	190.6	168.1	154.2	150.2	148.8	148.8
25°	508.1	465.7	375.8	293.1	235.6	196.5	172.7	158.8	154.2	153.5	152.8
27.5°	571.6	522.0	410.9	312.9	244.2	199.8	175.3	162.8	157.4	157.4	156.8
30°	645.8	580.9	444.7	329.5	249.4	201.1	175.9	164.8	160.1	160.8	161.4
32.5°	719.9	643.1	478.3	344.0	253.4	201.8	175.9	165.4	160.8	162.8	162.8
35°	798.6	707.3	510.8	356.0	255.4	201.1	175.9	166.7	161.4	163.5	164.1
37.5°	881.3	772.8	541.9	365.2	256.8	200.5	175.9	166.7	162.1	164.1	164.1
40°	966.0	838.3	571.6	371.8	256.8	199.8	175.3	166.7	163.5	163.5	164.1
42.5°	1057.3	906.4	598.8	377.2	256.8	198.5	175.3	166.7	162.1	162.8	163.5
45°	1153.9	976.6	624.6	381.2	256.0	198.5	174.7	166.0	161.4	160.8	161.4
47.5°	1248.5	1049.3	649.8	385.0	255.4	199.2	174.7	165.4	160.1	157.4	158.1
50°	1353.1	1124.8	675.6	387.7	256.0	199.2	175.3	164.8	158.1	154.9	155.5
52.5°	1456.3	1200.2	700.7	391.1	256.0	199.8	175.3	163.5	156.1	151.5	152.2
55°	1565.4	1275.0	725.2	394.3	256.8	200.5	175.9	162.1	154.2	148.8	149.6
57.5°	1660.8	1346.4	747.0	396.3	256.8	201.8	175.9	161.4	152.2	146.2	146.2
60°	1748.1	1412.6	764.9	397.0	256.8	201.8	175.9	160.1	150.9	143.6	143.6
62.5°	1814.2	1457.0	773.5	395.7	255.4	201.8	175.3	158.8	149.6	141.6	141.6
65°	1848.0	1476.1	769.5	391.1	254.1	201.1	174.7	156.8	147.5	140.2	139.6
67.5°	1839.4	1461.6	750.3	381.8	250.7	199.2	172.7	154.2	146.2	138.9	137.6
68°	1830.8	1450.3	744.4	379.1	248.8	198.5	172.1	154.2	145.6	138.9	137.6
70°	1772.6	1402.1	713.3	367.9	245.5	195.9	170.0	151.5	143.6	137.6	136.3
72.5°	1649.5	1297.5	661.0	348.7	237.5	191.2	165.4	148.2	141.0	135.6	133.7
75°	1472.8	1157.9	595.5	326.2	227.6	185.3	159.5	143.6	137.0	132.4	130.3
77.5°	1271.7	993.8	523.3	299.1	215.7	178.0	152.8	138.3	132.4	128.4	125.0
80°	1052.0	825.1	450.6	270.6	202.4	168.7	145.6	131.7	126.3	121.7	119.1
82.5°	843.6	668.3	381.8	243.5	186.6	156.8	137.0	123.8	118.5	114.5	111.2
85°	661.0	532.7	319.6	215.7	172.1	146.2	127.7	115.1	110.5	105.9	102.6
87.5°	512.1	418.8	268.0	189.9	155.5	134.3	118.5	106.5	101.3	96.0	93.3
90°	395.7	329.5	221.7	165.4	141.0	123.1	108.5	97.3	91.3	86.6	84.0
92.5°	305.0	260.0	183.9	144.8	125.7	111.2	98.6	88.7	82.0	76.1	74.1
95°	236.2	205.8	152.8	125.7	111.8	99.9	89.3	79.4	72.1	66.2	64.1
97.5°	183.9	162.8	127.1	108.5	98.6	88.7	79.4	70.8	63.5	56.3	54.9
100°	142.3	129.0	106.5	93.9	86.6	78.1	70.2	62.8	54.2	47.7	47.0
102.5°	111.8	103.2	89.3	81.4	75.4	68.8	62.2	54.9	46.3	39.7	39.1
105°	88.7	83.4	74.8	69.5	65.5	60.3	54.9	47.7	38.4	33.0	33.0
107.5°	70.8	67.5	62.8	59.5	56.9	52.3	47.7	40.4	31.7	27.1	27.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	57.6	55.5	52.9	51.7	49.6	45.6	41.0	34.4	26.5	22.5	23.1
112.5°	47.0	46.3	45.0	44.3	43.0	39.7	35.1	28.4	21.2	19.2	19.2
115°	39.1	38.4	38.4	37.7	37.0	34.4	29.8	23.8	17.2	15.9	15.9
117.5°	33.0	33.0	32.4	32.4	31.7	29.2	25.2	19.8	13.9	13.2	13.2
120°	27.8	27.8	27.8	27.8	27.1	24.4	21.2	15.9	11.3	11.3	11.3
122.5°	23.8	24.4	23.8	23.8	23.1	21.2	17.2	12.6	9.3	9.3	9.9
125°	20.6	20.6	20.6	19.8	19.2	17.2	13.9	9.9	8.0	8.0	8.0
127.5°	17.9	17.9	17.9	17.2	15.9	14.5	11.3	8.0	6.6	6.6	6.6
130°	15.9	15.2	15.2	14.5	13.2	11.3	8.6	5.9	5.3	5.3	5.3
132.5°	13.2	13.2	12.6	11.9	10.5	8.6	6.6	4.0	4.0	4.6	4.6
135°	11.3	11.3	10.5	9.3	8.0	6.6	4.6	3.3	3.3	3.3	3.3
137.5°	9.3	9.3	8.6	7.3	5.9	4.0	2.7	1.9	1.9	2.7	2.7
140°	7.3	7.3	6.6	5.3	4.0	2.7	1.3	0.6	1.3	1.3	1.3
142.5°	5.3	5.3	4.6	3.3	1.9	1.3	0.0	0.6	0.6	0.6	0.6
145°	4.0	4.0	3.3	2.7	1.3	0.6	0.0	0.0	0.6	0.0	0.0
147.5°	3.3	3.3	2.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.7	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	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)