

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: P415723

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4756 lumens
Efficiency: N/A
Efficacy: 88.1 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): 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



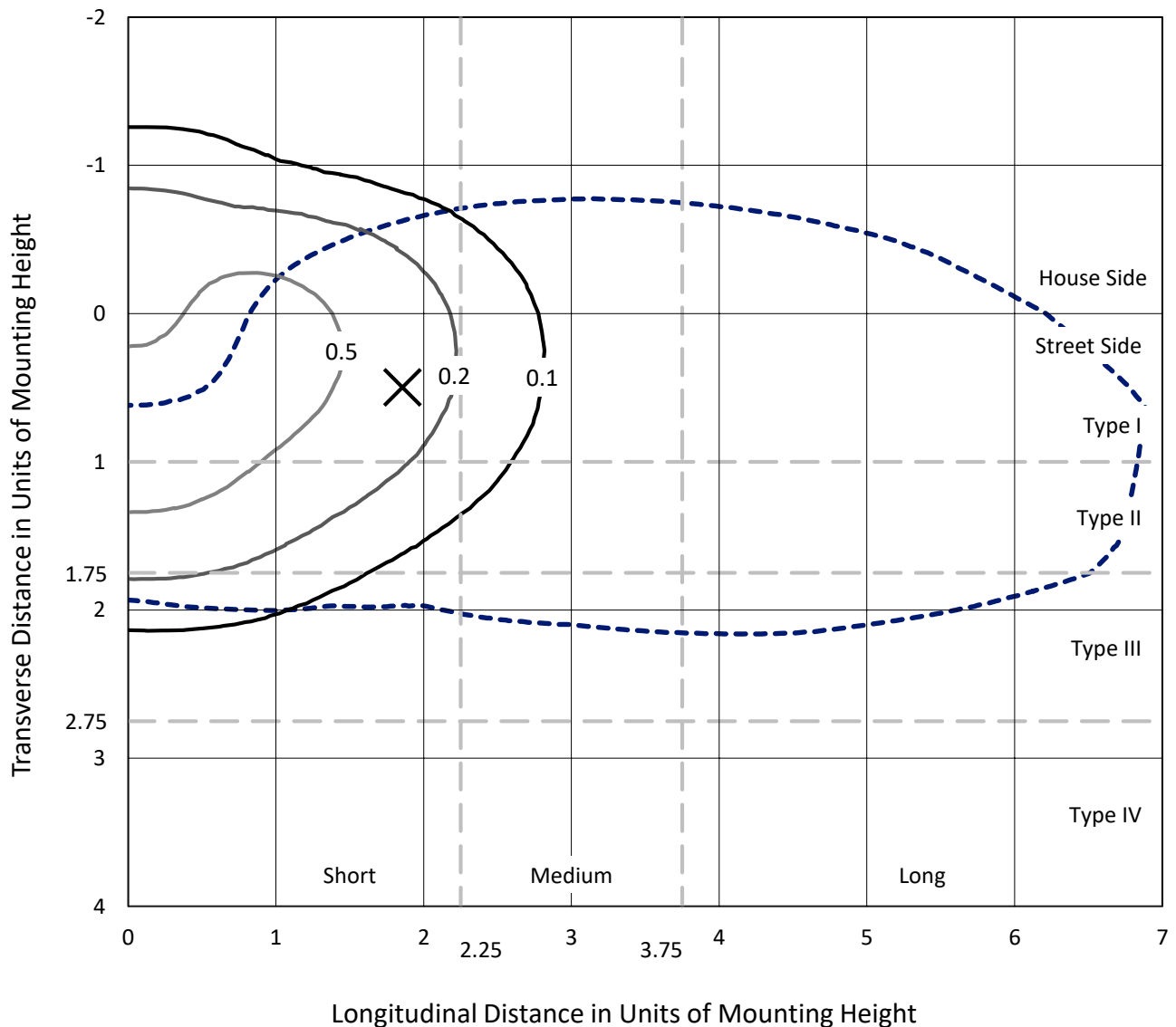
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

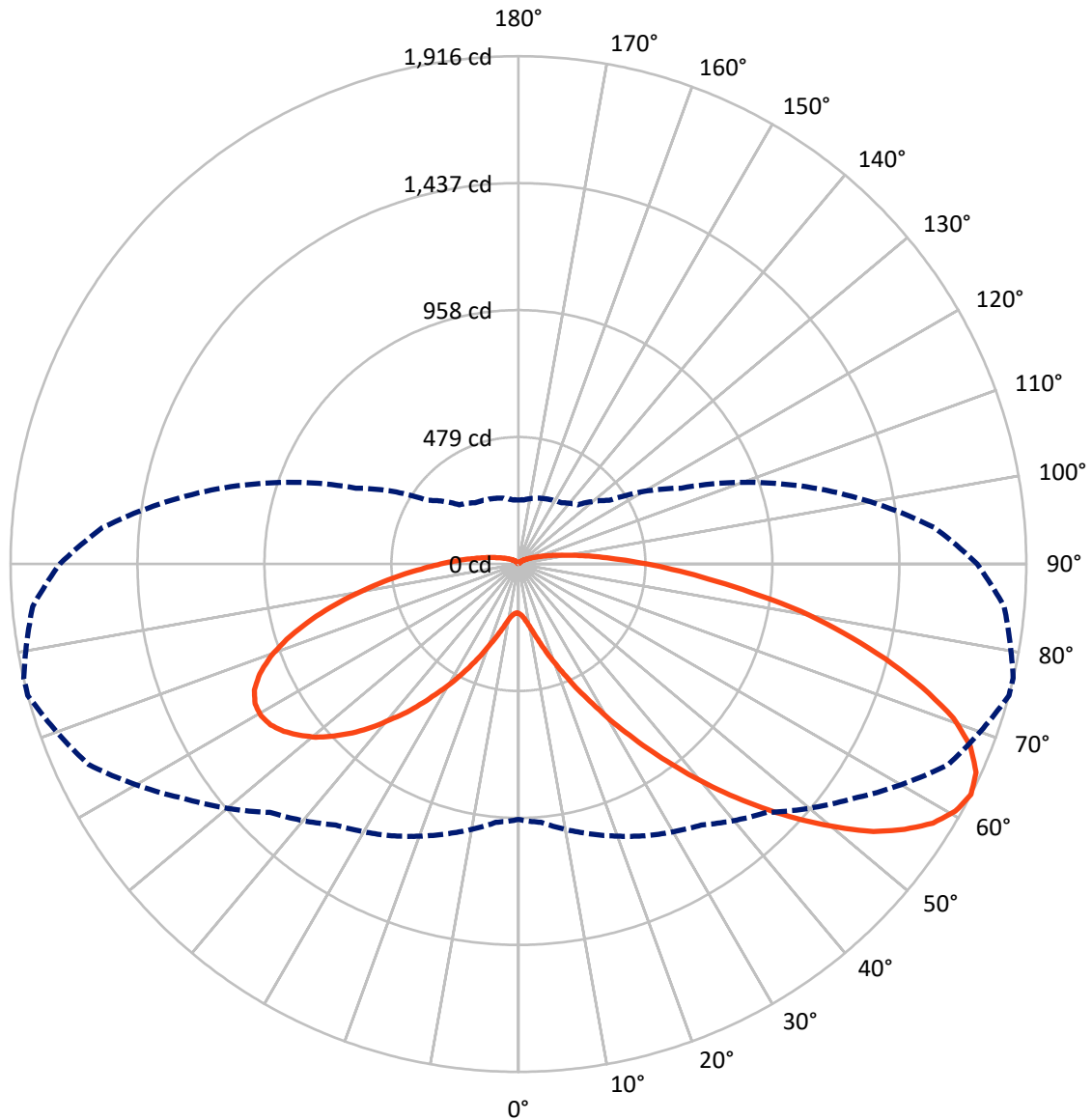


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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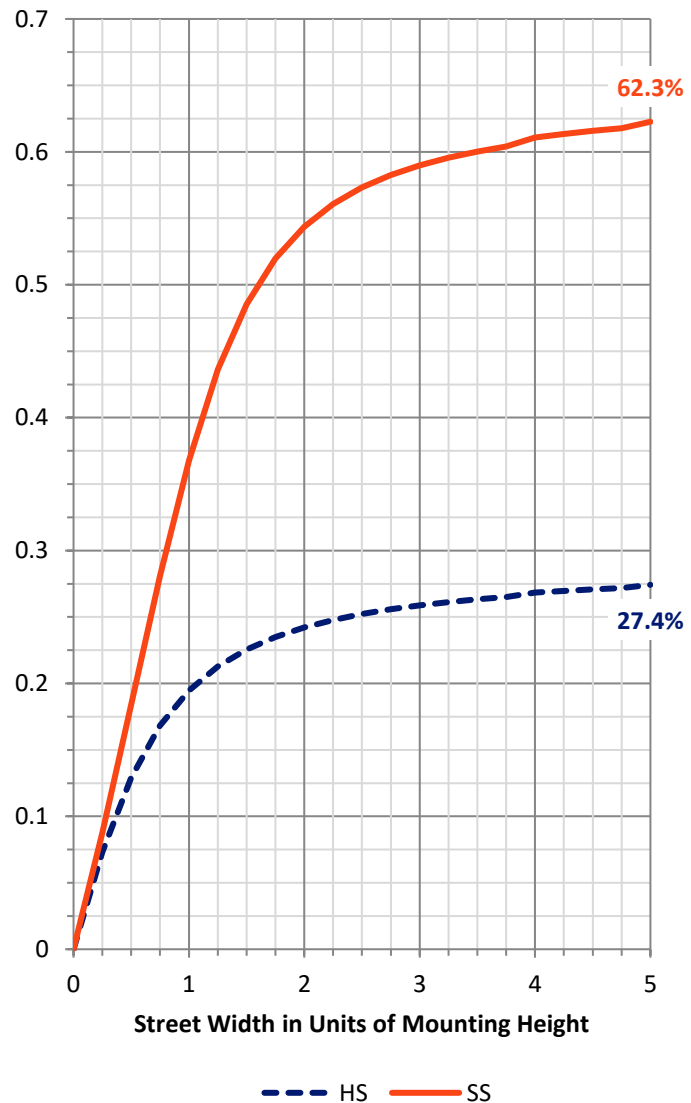
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.1	144.6	1504.7
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3052.7	198.5	3251.2
	% Fixture	64.2	4.2	68.4
Total	Lumens	4412.8	343.2	4756.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.4
10°-20°	82.7	1.7
20°-30°	214.2	4.5
30°-40°	438.2	9.2
40°-50°	726.7	15.3
50°-60°	942.8	19.8
60°-70°	928.5	19.5
70°-80°	682.3	14.3
80°-90°	377.6	7.9
90°-100°	178.3	3.7
100°-110°	85.2	1.8
110°-120°	43.5	0.9
120°-130°	22.5	0.5
130°-140°	10.3	0.2
140°-150°	3.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4412.8	92.8
0°-180°	4756.0	100.0



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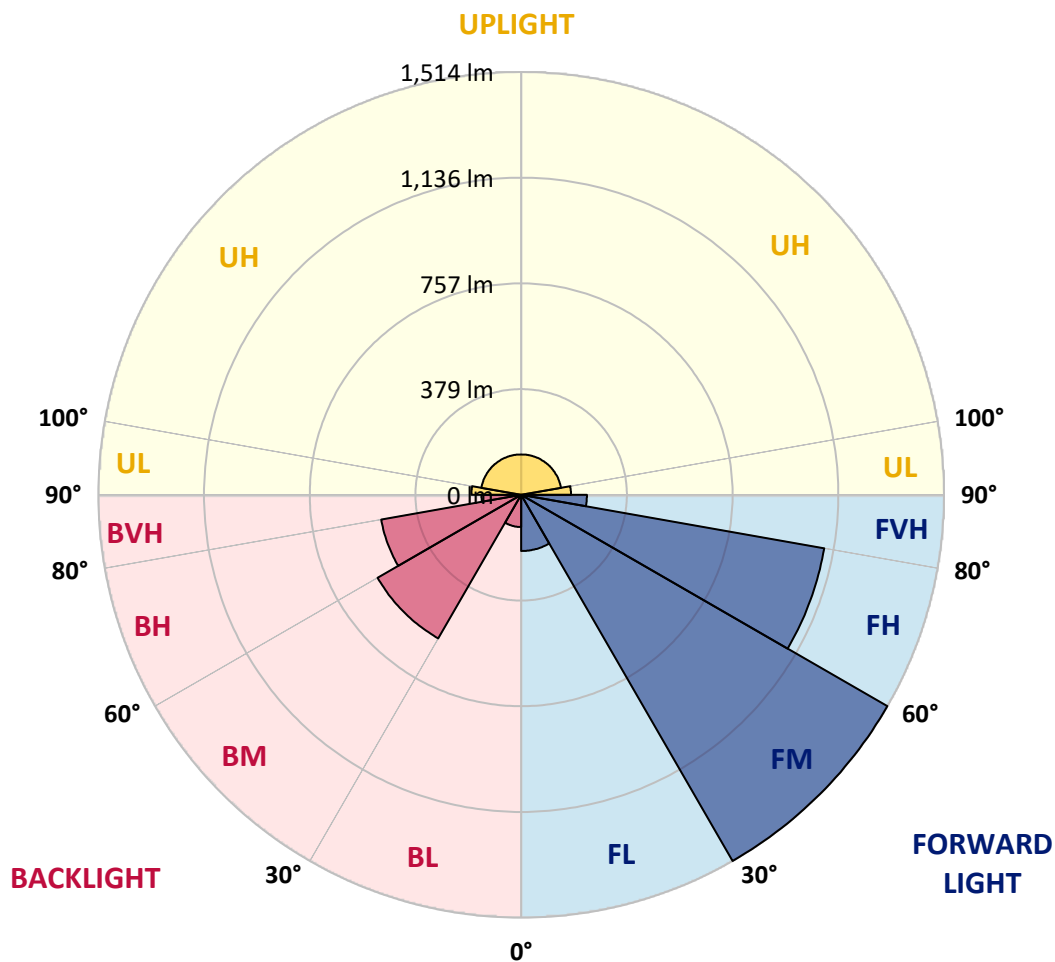
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.2	4.2			
FM	(30°-60°)	1514.1	31.8			
FH	(60°-80°)	1102.1	23.2			G1/1800
FVH	(80°-90°)	235.3	4.9			G3/500
BL	(0°-30°)	115.4	2.4	B1/500		
BM	(30°-60°)	593.7	12.5	B1/1000		
BH	(60°-80°)	508.8	10.7	B2/1000		G2/1000
BVH	(80°-90°)	142.3	3.0			G2/225
UL	(90°-100°)	178.3	3.7		U3/500	
UH	(100°-180°)	144.6	3.0		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°	77°	85°
0°	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8
2.5°	208.2	206.5	205.4	203.7	202.6	200.3	198.1	194.7	191.9	191.3	189.1
5°	230.0	227.2	227.2	224.4	220.5	217.7	213.2	207.6	203.1	200.3	198.1
7.5°	258.1	255.9	253.1	250.8	246.9	241.8	235.7	228.4	219.4	217.7	212.1
10°	289.5	288.4	286.2	281.7	276.6	269.9	261.5	252.5	242.4	240.7	231.2
12.5°	331.0	331.0	327.7	321.5	314.2	301.9	294.6	285.0	273.3	271.6	258.1
15°	382.1	379.9	375.4	364.7	356.3	346.2	337.2	324.9	309.2	306.4	294.0
17.5°	438.2	433.7	431.5	421.4	410.2	397.8	385.5	372.0	354.6	350.1	335.5
20°	501.1	503.9	495.4	484.2	467.4	455.0	441.0	423.6	404.5	401.2	383.8
22.5°	580.2	577.9	566.1	550.4	534.2	520.7	502.7	485.3	459.5	456.2	436.0
25°	667.7	665.5	650.3	630.7	612.2	588.0	567.3	548.7	527.4	522.4	498.3
27.5°	753.5	764.8	741.8	717.6	695.8	668.8	644.1	620.6	596.4	592.5	567.3
30°	870.8	873.6	846.7	813.6	783.8	750.2	724.4	703.0	682.3	669.4	646.4
32.5°	993.1	984.2	962.8	922.4	875.3	837.7	809.1	789.5	769.8	763.1	729.4
35°	1114.3	1114.3	1081.2	1026.8	965.1	926.9	898.9	887.1	869.1	858.5	820.9
37.5°	1233.3	1231.6	1197.9	1134.0	1070.6	1018.4	1000.4	987.0	974.6	964.0	917.9
40°	1350.5	1347.7	1307.3	1245.1	1171.0	1117.1	1102.5	1104.8	1090.2	1075.6	1029.6
42.5°	1444.8	1443.7	1411.7	1349.4	1260.8	1213.1	1198.5	1212.0	1205.2	1191.2	1137.3
45°	1520.0	1514.9	1489.7	1426.3	1346.1	1295.6	1299.5	1332.0	1324.2	1317.4	1250.7
47.5°	1551.4	1550.9	1536.8	1481.8	1407.8	1372.4	1394.9	1440.3	1443.1	1437.5	1362.9
50°	1543.0	1545.2	1544.1	1510.5	1449.9	1431.9	1475.1	1552.5	1561.5	1555.9	1479.0
52.5°	1493.6	1494.8	1513.3	1498.7	1464.5	1469.5	1546.4	1645.7	1677.1	1662.0	1581.7
55°	1389.3	1403.3	1439.8	1448.2	1443.7	1477.9	1589.0	1719.7	1767.4	1762.4	1670.9
57.5°	1281.5	1274.8	1327.0	1367.4	1390.9	1455.5	1603.0	1772.5	1844.3	1837.6	1750.6
60°	1124.4	1134.5	1198.5	1256.3	1306.2	1401.6	1590.1	1800.5	1894.2	1890.3	1809.0
62.5°	964.0	978.5	1054.3	1131.2	1202.4	1325.3	1541.9	1789.9	1916.1	1915.6	1839.8
65°	813.0	828.7	898.3	991.5	1082.3	1222.1	1457.7	1744.4	1897.6	1898.7	1834.2
67.5°	678.9	687.3	760.3	863.0	951.6	1100.9	1349.4	1654.7	1839.3	1845.4	1789.3
70°	559.4	565.6	636.3	727.7	830.4	965.6	1218.1	1539.6	1741.6	1743.9	1708.5
72.5°	459.0	464.6	532.5	613.8	708.7	847.2	1082.9	1382.5	1594.6	1617.1	1584.0
75°	367.0	378.2	436.5	515.6	600.4	723.8	939.8	1213.6	1429.7	1448.7	1443.7
77.5°	299.1	314.2	360.8	428.7	506.7	613.8	796.8	1047.0	1255.2	1270.9	1274.8
80°	241.3	252.5	299.1	359.1	425.3	518.4	666.0	884.3	1079.5	1081.2	1079.5
82.5°	195.8	204.2	245.8	300.2	358.5	436.0	558.3	737.8	885.4	903.4	906.7
85°	159.4	165.5	201.4	250.2	299.6	365.3	460.7	602.6	719.3	737.8	731.7
87.5°	127.9	136.3	165.0	206.5	252.5	304.7	383.2	487.6	580.7	588.6	587.5
90°	104.9	107.7	136.3	171.7	213.2	253.1	313.1	392.8	462.3	476.4	466.8
92.5°	84.7	89.2	113.3	145.3	177.9	212.7	259.8	322.6	365.8	374.2	369.8
95°	71.3	73.5	95.4	121.8	149.8	181.2	214.3	257.5	289.5	292.3	293.5
97.5°	59.5	61.7	79.7	103.8	127.9	153.2	178.4	210.4	231.7	231.2	229.5
100°	51.1	52.2	68.5	90.3	111.7	130.2	149.8	169.4	182.4	186.3	180.1
102.5°	44.3	44.9	58.9	78.0	95.9	112.2	126.8	140.8	145.9	146.4	143.6
105°	39.3	39.8	51.6	67.3	83.6	95.9	107.2	115.6	117.8	117.8	114.5
107.5°	34.8	35.3	44.3	59.5	74.1	84.2	92.0	96.5	95.4	94.8	92.6
110°	32.0	32.0	39.3	52.7	64.5	73.5	79.7	80.2	77.4	77.4	75.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	29.2	29.2	34.8	46.6	57.2	65.1	69.0	67.9	64.0	62.8	62.8
115°	26.9	26.9	30.9	41.0	51.1	57.2	60.0	57.2	52.7	52.2	51.6
117.5°	25.2	25.2	28.1	36.5	44.9	50.5	52.2	49.4	44.3	43.8	43.8
120°	23.6	23.6	25.8	32.0	39.8	44.3	45.4	42.1	37.0	37.0	37.6
122.5°	22.4	22.4	23.6	28.6	35.3	39.3	39.3	35.9	31.4	31.4	32.0
125°	21.3	21.3	21.9	25.2	30.9	34.2	33.7	29.7	26.9	26.9	27.5
127.5°	20.2	20.2	20.2	22.4	26.9	29.7	29.2	25.2	23.0	23.0	24.1
130°	19.1	19.1	18.5	19.6	23.0	25.2	24.1	21.3	19.6	19.6	20.8
132.5°	18.0	18.0	16.8	17.4	19.6	20.8	19.6	17.4	16.8	16.8	17.4
135°	16.8	16.3	15.7	15.1	16.3	16.8	15.7	14.0	14.0	14.0	15.1
137.5°	15.1	15.1	14.0	12.9	12.9	12.9	12.3	10.7	11.2	11.8	12.3
140°	14.0	14.0	12.9	11.2	10.1	10.1	9.0	8.4	9.0	9.5	10.1
142.5°	12.3	12.3	11.2	9.5	7.9	6.7	6.2	5.6	6.7	7.3	7.3
145°	10.7	10.7	9.5	7.3	5.6	3.9	3.4	3.9	4.5	5.0	5.6
147.5°	9.0	8.4	7.3	5.6	2.8	1.7	1.1	2.2	2.8	2.8	3.4
150°	6.7	6.7	5.6	3.9	1.7	0.0	0.6	1.1	1.7	1.7	2.2
152.5°	5.0	4.5	3.9	2.2	0.0	0.0	0.0	0.0	0.6	1.1	1.1
155°	2.8	2.8	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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°	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8
2.5°	188.0	186.3	184.0	182.4	180.7	178.4	177.3	175.6	175.6	175.6	176.7
5°	194.7	192.5	187.4	182.9	178.4	175.1	171.7	169.4	168.3	167.2	167.8
7.5°	207.0	204.2	196.4	188.5	182.4	176.2	171.7	167.8	166.1	165.5	165.5
10°	226.1	221.1	209.3	198.6	189.6	181.2	175.1	170.0	167.8	166.1	166.1
12.5°	251.9	244.6	230.6	216.0	202.6	191.3	182.4	178.4	176.7	175.6	176.2
15°	286.2	278.3	257.0	237.9	220.5	205.4	196.9	193.0	190.8	189.6	189.1
17.5°	326.0	314.8	289.0	264.3	242.4	225.6	214.9	208.7	204.8	202.6	203.1
20°	369.8	355.2	322.1	295.1	267.1	250.2	234.0	223.9	218.8	217.7	218.3
22.5°	419.1	404.0	365.8	326.6	297.4	272.1	252.5	239.6	233.4	232.9	232.9
25°	477.5	457.3	412.4	363.0	325.4	293.5	270.4	254.7	248.0	245.8	245.8
27.5°	543.7	516.8	461.2	404.5	352.9	312.5	285.6	267.6	260.3	258.7	258.7
30°	616.6	588.6	517.9	443.8	379.3	329.4	299.1	280.0	270.4	268.2	268.8
32.5°	696.9	660.4	571.2	485.9	402.3	342.8	308.0	289.0	278.3	275.5	275.5
35°	783.8	741.2	634.6	526.9	424.2	353.5	314.8	295.1	283.4	280.5	280.0
37.5°	881.5	828.2	700.2	564.5	441.6	360.2	319.3	299.1	286.2	282.2	281.7
40°	983.6	922.4	760.8	598.7	456.2	364.1	320.4	300.7	287.3	281.1	280.5
42.5°	1079.0	1011.6	829.9	630.1	465.1	365.8	319.8	300.2	286.2	277.7	277.2
45°	1184.5	1102.0	893.3	658.7	470.8	364.7	317.6	297.4	283.9	273.3	272.1
47.5°	1295.0	1200.2	951.6	679.5	473.0	361.3	314.8	295.1	280.0	268.2	267.1
50°	1394.9	1284.3	1006.0	695.8	471.9	356.3	310.3	291.8	276.6	263.2	262.0
52.5°	1492.5	1372.4	1048.7	704.7	466.3	350.7	306.4	287.8	272.7	258.7	257.0
55°	1581.2	1442.0	1086.8	708.7	459.0	343.4	300.7	284.5	269.3	254.2	252.5
57.5°	1649.6	1507.7	1114.9	703.6	447.8	335.0	295.1	279.4	265.4	250.2	248.6
60°	1700.1	1550.9	1127.8	694.1	434.8	325.4	288.4	274.4	261.5	246.9	245.2
62.5°	1730.4	1575.0	1125.0	677.2	418.6	315.9	282.2	269.3	257.5	243.0	241.8
65°	1725.4	1565.4	1103.7	650.3	401.2	303.6	272.7	262.6	251.9	238.5	236.8
67.5°	1684.4	1526.7	1060.5	616.6	381.5	291.2	263.7	253.6	244.6	232.9	229.5
70°	1611.5	1455.5	998.2	574.6	359.1	277.2	253.1	243.5	235.7	224.4	221.1
72.5°	1488.6	1351.7	919.1	530.8	335.0	260.9	239.0	231.2	222.8	213.8	209.8
75°	1348.3	1221.5	825.9	479.2	309.2	244.6	224.4	216.6	208.7	199.2	195.8
77.5°	1195.7	1073.9	729.4	433.7	282.8	226.1	208.2	201.4	193.6	183.5	179.5
80°	1013.3	916.3	626.7	381.5	256.4	208.2	191.3	184.0	175.6	166.1	162.2
82.5°	848.9	763.1	531.9	334.4	230.0	189.6	175.1	164.4	156.5	147.0	140.3
85°	694.1	634.0	446.1	287.3	205.4	170.6	156.0	147.0	138.0	126.8	122.3
87.5°	558.3	507.2	366.4	248.0	181.2	152.1	138.6	129.6	119.5	107.7	103.8
90°	441.6	410.2	304.7	213.2	160.5	136.3	122.9	113.3	102.1	91.5	89.2
92.5°	350.1	328.2	251.9	181.2	141.4	120.6	108.3	98.8	87.5	76.9	73.5
95°	281.7	260.3	206.5	158.2	124.0	106.0	95.4	86.4	75.2	64.5	62.3
97.5°	225.0	208.2	169.4	133.0	108.9	94.3	84.7	75.2	64.0	54.4	53.3
100°	176.2	166.1	140.3	114.5	95.9	83.6	74.6	66.2	55.0	45.4	44.9
102.5°	140.8	135.2	116.7	98.8	84.2	74.1	66.8	57.8	47.7	38.7	38.2
105°	113.3	110.0	97.1	84.7	74.6	66.2	59.5	50.5	40.4	33.1	33.1
107.5°	92.0	89.2	81.4	72.4	65.6	59.5	52.2	44.3	34.8	28.6	28.6
110°	75.2	74.1	69.0	62.8	57.8	52.7	46.0	38.2	29.7	25.2	25.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	62.8	62.3	58.4	55.0	51.1	46.6	41.0	33.7	25.8	21.9	22.4
115°	52.2	52.2	49.9	47.7	44.9	41.5	35.9	28.6	21.9	19.6	19.6
117.5°	44.3	43.8	43.2	41.5	39.8	36.5	30.9	24.7	18.5	17.4	18.0
120°	38.2	38.2	37.0	36.5	34.8	31.4	26.9	20.8	15.7	15.7	15.7
122.5°	32.5	33.1	32.0	31.4	30.3	28.1	23.0	17.4	14.0	13.5	14.0
125°	28.6	28.6	28.1	27.5	26.4	23.6	19.6	14.6	11.8	12.3	12.3
127.5°	24.1	24.7	24.1	23.6	23.0	20.2	16.3	11.8	10.1	10.7	10.7
130°	21.3	21.3	20.8	20.2	19.1	16.8	13.5	9.5	9.0	9.5	9.5
132.5°	18.0	18.0	18.0	16.8	15.7	14.0	10.7	7.9	7.3	8.4	8.4
135°	15.1	15.1	15.1	14.0	12.9	10.7	7.9	6.2	6.2	7.3	7.3
137.5°	12.3	12.9	12.3	11.2	10.1	8.4	6.2	4.5	5.0	6.2	6.2
140°	10.1	10.1	9.5	9.0	7.3	5.6	3.9	3.4	4.5	5.0	5.0
142.5°	7.9	7.9	7.3	6.2	5.0	3.9	2.2	2.2	3.4	3.9	3.9
145°	5.6	5.6	5.0	3.9	2.8	1.7	0.6	1.1	2.2	2.8	2.8
147.5°	3.4	3.4	3.4	2.8	1.7	0.6	0.0	0.6	1.1	1.7	1.7
150°	2.2	2.2	2.2	1.7	1.1	0.0	0.0	0.0	0.6	1.1	1.1
152.5°	1.1	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)