

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: P415481

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5419 lumens
Efficiency: N/A
Efficacy: 100.4 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

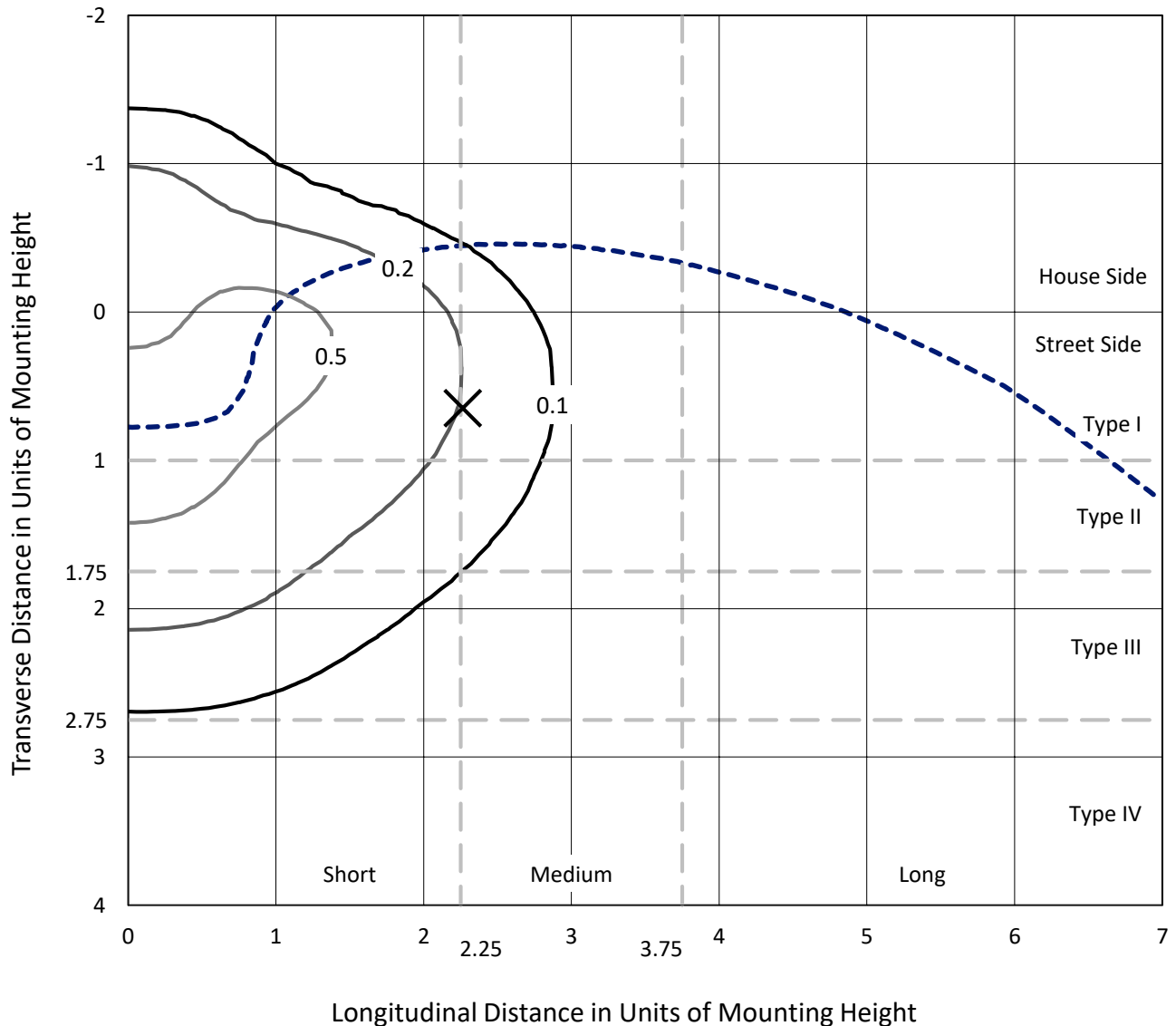


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

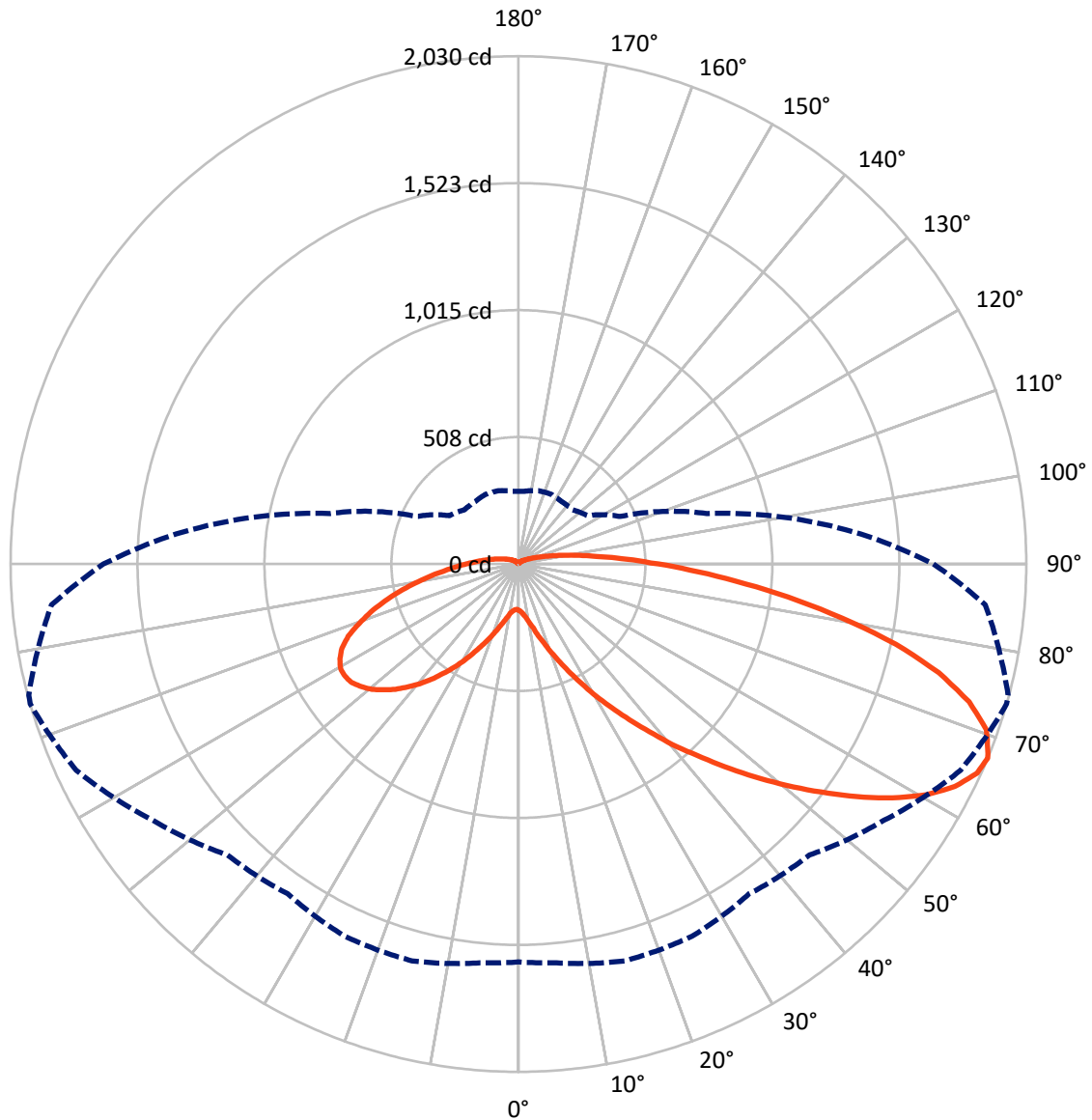


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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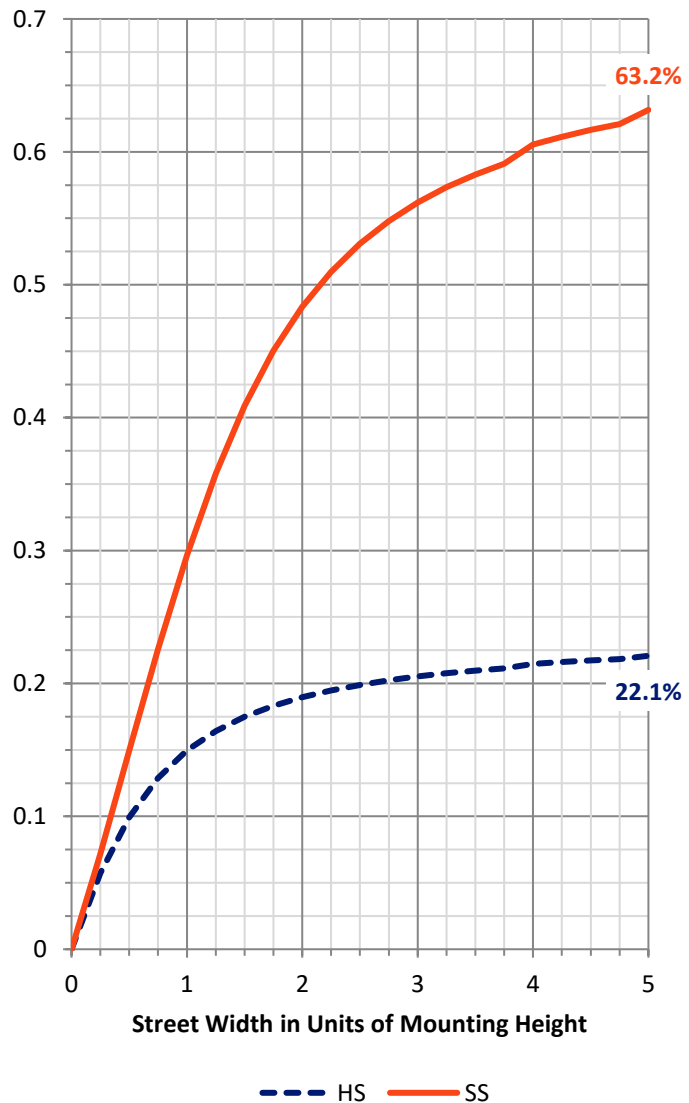
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1263.6	151.9	1415.5
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	3657.0	346.5	4003.5
	% Fixture	67.5	6.4	73.9
Total	Lumens	4920.6	498.4	5419.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.4
10°-20°	79.0	1.5
20°-30°	196.1	3.6
30°-40°	382.9	7.1
40°-50°	633.3	11.7
50°-60°	918.0	16.9
60°-70°	1111.0	20.5
70°-80°	987.7	18.2
80°-90°	593.3	10.9
90°-100°	272.4	5.0
100°-110°	121.3	2.2
110°-120°	57.9	1.1
120°-130°	28.7	0.5
130°-140°	13.1	0.2
140°-150°	4.3	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4920.6	90.8
0°-180°	5419.0	100.0

Coefficient of Utilization



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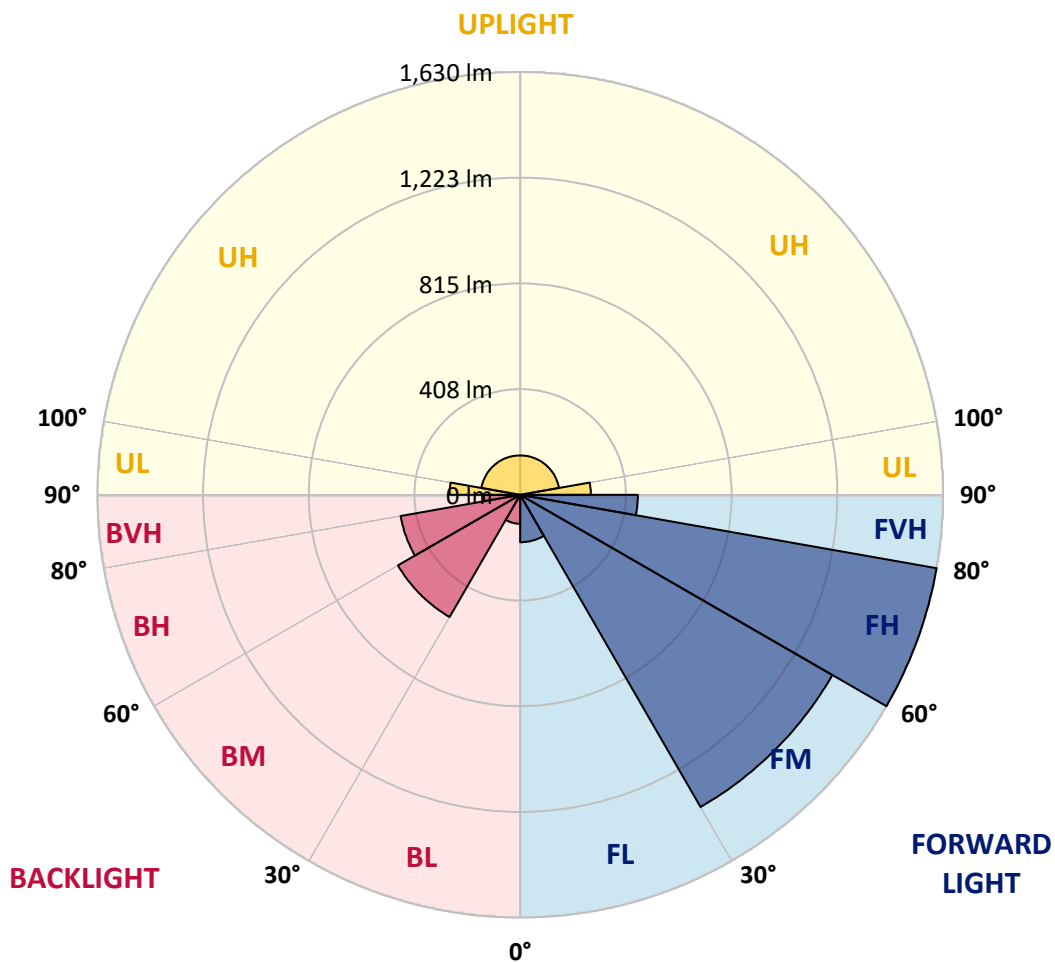
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.7	3.4			
FM	(30°-60°)	1390.3	25.7			
FH	(60°-80°)	1630.5	30.1			G1/1800
FVH	(80°-90°)	453.5	8.4			G3/500
BL	(0°-30°)	111.6	2.1	B1/500		
BM	(30°-60°)	543.9	10.0	B1/1000		
BH	(60°-80°)	468.3	8.6	B1/500		G1/500
BVH	(80°-90°)	139.8	2.6			G2/225
UL	(90°-100°)	272.4	5.0		U3/500	
UH	(100°-180°)	151.9	2.8		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°	74°	75°	85°
0°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	203.9	201.9	201.9	200.6	200.0	198.1	196.8	192.3	190.4	190.4	187.1
5°	225.7	224.4	221.9	221.9	219.3	216.7	211.6	205.8	201.3	200.6	194.9
7.5°	252.7	249.5	249.5	246.3	242.4	237.9	230.9	223.2	216.1	215.4	206.4
10°	283.6	282.3	281.0	276.5	271.4	262.4	255.9	245.0	236.7	236.0	223.8
12.5°	321.5	319.6	315.8	311.3	302.2	295.8	284.2	272.0	261.1	261.7	247.6
15°	362.7	361.4	358.8	351.8	341.5	332.5	320.9	308.0	297.1	292.6	277.8
17.5°	409.6	407.1	403.9	396.1	384.6	375.6	360.1	347.9	333.8	334.4	313.2
20°	464.9	462.4	457.9	445.7	435.4	423.1	407.1	393.6	377.5	376.2	355.0
22.5°	519.6	520.9	510.0	497.1	487.5	473.3	457.9	440.5	426.4	425.1	400.6
25°	587.1	582.6	571.7	556.9	542.1	524.8	511.3	495.8	482.3	481.0	452.1
27.5°	657.9	654.0	639.2	620.6	600.6	581.3	569.8	553.7	543.4	541.5	511.9
30°	735.0	728.6	715.1	690.0	662.4	640.5	628.9	623.1	613.5	610.9	580.7
32.5°	821.9	813.5	793.6	763.3	723.5	699.0	693.9	688.7	684.9	681.0	652.7
35°	908.0	905.5	875.9	838.6	799.4	767.2	758.2	766.6	764.0	761.4	731.2
37.5°	998.7	1003.2	971.1	922.2	868.2	834.1	827.6	843.1	850.2	850.2	814.1
40°	1105.5	1101.6	1069.4	1009.6	946.6	906.7	908.7	931.8	949.2	945.3	910.0
42.5°	1211.6	1203.2	1160.8	1102.2	1022.5	982.6	982.6	1018.0	1044.4	1045.0	1007.7
45°	1315.7	1306.7	1266.9	1190.3	1103.5	1060.4	1069.4	1112.5	1155.6	1149.8	1113.2
47.5°	1410.9	1407.1	1365.9	1284.2	1186.5	1141.5	1159.5	1223.8	1270.7	1270.7	1230.2
50°	1504.2	1499.0	1460.4	1368.5	1270.1	1225.7	1252.7	1331.2	1391.0	1394.2	1347.3
52.5°	1584.6	1581.3	1545.3	1454.0	1352.4	1307.4	1347.9	1446.3	1515.1	1522.2	1472.7
55°	1642.4	1644.4	1616.7	1529.9	1427.0	1389.7	1445.0	1560.8	1642.4	1643.7	1590.3
57.5°	1684.9	1687.5	1668.8	1593.6	1492.6	1464.3	1538.9	1671.4	1764.0	1769.8	1699.7
60°	1702.9	1707.4	1701.6	1638.6	1551.1	1533.1	1623.1	1770.4	1873.3	1875.2	1791.0
62.5°	1693.2	1697.7	1709.3	1664.3	1593.6	1592.9	1704.8	1856.6	1958.8	1961.4	1860.4
65°	1649.5	1656.6	1685.5	1664.3	1609.0	1630.2	1758.8	1922.8	2014.8	2018.0	1887.5
67°	1591.0	1600.0	1642.4	1641.8	1609.0	1645.0	1785.2	1950.5	2030.2	2026.4	1873.3
67.5°	1577.5	1586.5	1628.9	1635.4	1604.5	1646.9	1788.4	1953.7	2024.4	2023.8	1864.3
70°	1463.0	1479.1	1540.8	1571.7	1571.1	1631.5	1787.1	1936.3	1985.2	1978.8	1789.1
72.5°	1331.2	1351.1	1426.4	1485.5	1504.8	1583.3	1740.2	1867.5	1883.6	1875.9	1648.2
75°	1195.5	1206.4	1284.9	1369.1	1418.0	1501.6	1652.1	1758.2	1735.7	1717.0	1472.0
77.5°	1052.1	1056.6	1144.0	1238.6	1297.7	1394.2	1520.9	1598.1	1542.8	1527.3	1271.4
80°	885.5	904.2	991.6	1090.0	1163.3	1250.8	1357.5	1403.9	1311.2	1297.1	1057.9
82.5°	749.2	760.8	840.5	937.0	1019.3	1101.6	1171.1	1183.3	1086.2	1075.9	850.2
85°	611.6	621.9	705.5	794.9	872.0	940.8	987.1	969.1	868.2	857.2	672.0
87.5°	506.1	513.8	571.7	662.4	730.5	780.1	804.5	782.0	685.5	670.1	519.0
90°	401.3	412.9	464.9	541.5	610.9	643.1	645.7	608.4	529.3	517.7	397.4
92.5°	324.1	331.8	381.3	445.0	499.7	524.1	517.7	486.2	413.5	400.0	307.4
95°	262.4	268.8	310.0	365.9	410.3	432.8	414.8	373.0	315.8	310.6	237.3
97.5°	218.0	219.3	251.4	301.6	337.0	348.6	334.4	296.5	246.9	236.7	182.0
100°	178.1	179.4	206.4	244.4	276.5	284.2	270.1	233.4	191.6	185.2	142.8
102.5°	144.7	147.9	168.5	202.6	226.4	232.2	217.4	185.2	147.9	143.4	111.3
105°	122.8	123.5	141.5	167.2	188.4	192.9	178.1	150.5	116.4	113.8	88.7
107.5°	104.2	104.2	118.3	140.8	157.6	160.1	148.6	122.8	92.0	89.4	72.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	89.4	90.0	100.3	118.3	133.8	135.7	124.1	98.4	73.3	71.4	58.5
112.5°	77.8	79.1	86.2	100.3	113.8	115.8	104.2	80.4	59.8	57.2	48.9
115°	68.8	69.5	74.6	86.2	97.1	98.4	86.8	66.2	48.2	46.3	41.2
117.5°	61.1	61.7	65.6	75.2	83.6	84.2	72.7	54.7	40.5	38.6	36.0
120°	55.3	55.3	58.5	65.0	72.0	72.0	61.1	45.0	33.4	32.8	30.9
122.5°	50.2	50.2	52.1	56.6	61.7	60.4	50.8	37.3	28.3	27.7	27.0
125°	45.7	45.7	46.9	49.5	52.7	50.8	41.8	30.9	24.4	23.8	23.8
127.5°	41.2	41.2	41.8	43.7	44.4	42.4	34.7	25.7	21.2	20.6	21.2
130°	37.3	37.3	37.3	37.3	37.3	36.0	28.3	21.2	18.0	18.0	18.6
132.5°	33.4	33.4	32.8	32.2	31.5	28.9	23.2	17.4	16.1	16.1	16.7
135°	29.6	29.6	28.9	27.7	25.7	22.5	17.4	14.1	13.5	13.5	14.1
137.5°	25.7	25.7	25.1	23.2	20.6	17.4	13.5	11.6	11.6	11.6	12.2
140°	21.9	21.9	21.2	19.3	16.1	12.9	10.3	9.0	9.6	9.6	10.3
142.5°	18.6	18.0	17.4	15.4	12.2	9.0	7.1	7.1	7.7	7.7	8.4
145°	14.8	14.1	13.5	11.6	9.0	6.4	5.1	5.1	5.8	5.8	6.4
147.5°	11.6	10.9	10.3	8.4	6.4	4.5	3.2	3.9	4.5	4.5	4.5
150°	7.7	7.7	7.7	6.4	3.9	2.6	1.9	2.6	2.6	2.6	3.2
152.5°	5.1	5.1	5.1	3.9	2.6	1.3	1.3	1.3	1.9	1.9	1.9
155°	3.2	3.2	3.2	2.6	1.3	0.6	0.6	0.6	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.6	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	1.3	1.3	1.3	0.6	0.0	0.0	0.6	0.6	0.6
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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	185.9	184.6	182.0	180.1	178.1	176.2	174.3	173.0	171.1	171.1	171.1
5°	192.3	189.1	183.9	180.1	175.6	172.3	168.5	165.9	164.0	163.3	163.3
7.5°	203.2	198.7	191.0	183.3	176.8	171.7	167.2	164.0	161.4	160.8	160.8
10°	218.6	212.9	200.6	191.6	183.3	176.2	170.4	165.9	164.0	162.7	162.7
12.5°	241.2	233.4	219.3	203.9	192.9	183.9	176.8	174.9	174.9	175.6	174.9
15°	268.2	260.4	241.2	223.2	207.1	196.8	192.9	192.9	192.3	193.6	193.6
17.5°	302.2	291.3	268.2	244.4	225.7	216.1	212.2	210.9	212.2	214.1	212.9
20°	342.8	326.7	297.7	268.2	248.2	238.6	232.2	230.9	232.8	234.1	234.7
22.5°	385.2	367.8	331.2	293.2	272.7	259.8	252.7	250.8	254.0	257.2	257.9
25°	433.4	414.1	367.2	323.5	294.5	277.2	270.7	270.1	275.2	279.7	279.7
27.5°	492.0	466.2	406.4	356.3	319.0	295.8	288.7	289.4	296.5	300.3	301.6
30°	553.1	524.1	451.4	386.5	338.3	310.6	302.9	306.1	313.2	320.9	322.2
32.5°	621.9	587.8	495.2	416.7	355.6	322.2	313.8	320.3	328.0	337.0	338.3
35°	693.9	648.2	540.2	444.4	369.8	331.2	321.5	329.3	338.9	347.3	349.8
37.5°	775.6	721.5	589.1	466.9	380.7	336.3	326.0	335.0	346.0	354.3	355.0
40°	859.2	796.8	635.4	488.1	388.4	339.5	328.6	337.6	347.9	355.0	355.6
42.5°	946.6	873.3	678.5	505.5	392.3	339.5	327.3	336.3	346.0	349.8	350.5
45°	1048.9	954.3	722.8	517.7	393.6	338.3	325.4	332.5	339.5	340.8	342.8
47.5°	1151.8	1034.7	760.8	526.7	392.9	335.0	322.2	328.0	332.5	331.2	333.1
50°	1260.4	1122.2	797.4	532.5	389.7	331.8	317.7	322.8	324.1	320.3	320.3
52.5°	1364.6	1198.1	825.7	533.1	385.2	328.0	314.5	318.3	317.7	310.6	311.3
55°	1468.8	1279.1	849.5	527.3	378.8	324.1	311.3	313.8	311.9	303.5	302.2
57.5°	1558.2	1344.7	859.8	519.0	371.7	320.3	309.3	311.9	308.0	298.4	297.7
60°	1634.1	1395.5	860.4	507.4	363.3	317.0	307.4	310.6	307.4	295.8	294.5
62.5°	1681.0	1418.6	843.7	489.4	355.0	313.2	307.4	310.0	306.1	294.5	293.9
65°	1688.7	1407.1	816.7	468.8	345.3	309.3	306.1	309.3	305.5	293.2	292.0
67°	1658.5	1373.6	780.1	449.5	337.0	306.1	303.5	308.0	303.5	292.0	290.0
67.5°	1648.2	1358.2	771.7	446.9	335.0	304.8	302.9	306.8	302.9	291.3	289.4
70°	1558.2	1273.9	708.7	418.6	322.8	298.4	298.4	301.6	297.7	286.8	283.6
72.5°	1419.3	1155.6	645.7	391.6	309.3	288.7	290.7	293.9	290.0	279.7	275.9
75°	1258.5	1022.5	575.6	360.1	293.9	279.1	280.4	283.6	279.7	268.8	265.6
77.5°	1079.7	868.8	504.8	331.2	277.8	266.2	266.9	268.8	265.6	254.7	251.4
80°	888.1	716.4	432.8	298.4	259.2	250.2	250.8	250.8	246.3	237.3	234.7
82.5°	715.8	582.0	369.1	269.5	238.6	232.2	232.2	231.5	225.7	218.0	214.1
85°	556.9	469.5	309.3	239.9	218.0	212.2	211.6	209.0	203.2	194.9	190.4
87.5°	436.7	371.7	260.4	211.6	197.4	193.6	189.7	183.9	179.4	172.3	168.5
90°	340.8	295.2	219.9	185.9	177.5	172.3	168.5	161.4	154.3	147.3	145.3
92.5°	266.9	233.4	183.3	162.1	156.9	153.1	147.9	140.2	133.8	125.4	126.0
95°	211.6	189.7	156.3	142.8	138.9	135.7	129.3	120.9	113.8	106.1	104.8
97.5°	165.9	151.1	131.2	124.1	122.8	119.0	112.5	104.2	96.5	88.1	88.1
100°	131.8	123.5	110.6	109.3	106.8	104.2	97.7	90.0	80.4	73.3	73.3
102.5°	106.1	99.0	94.5	94.5	93.9	91.3	84.9	77.2	67.5	60.4	60.4
105°	84.9	82.3	80.4	82.3	83.0	80.4	74.0	65.6	55.9	49.5	50.8
107.5°	70.7	68.8	68.8	71.4	72.7	70.1	64.3	55.3	46.3	41.8	41.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	58.5	57.9	59.2	62.4	63.0	61.1	55.3	46.9	38.6	34.7	35.4
112.5°	49.5	48.9	51.4	54.7	55.3	53.4	47.6	39.9	32.2	29.6	29.6
115°	41.8	42.4	44.4	46.9	48.2	46.3	41.2	34.1	26.4	25.1	25.1
117.5°	36.0	36.7	38.6	41.8	42.4	39.9	34.7	28.3	22.5	21.9	21.9
120°	31.5	32.2	34.1	36.0	36.7	34.1	29.6	23.8	19.3	18.6	18.6
122.5°	27.7	28.9	30.2	31.5	32.2	29.6	25.7	19.9	16.1	16.1	16.7
125°	24.4	25.1	26.4	27.7	27.7	25.1	21.2	16.7	14.1	14.1	14.1
127.5°	21.9	21.9	22.5	23.8	23.8	21.9	18.0	13.5	12.2	12.2	12.9
130°	19.3	19.9	19.9	19.9	19.9	18.0	14.8	11.6	10.3	10.9	10.9
132.5°	16.7	17.4	17.4	17.4	16.7	14.8	12.2	9.6	9.0	9.6	9.6
135°	14.8	14.8	14.8	14.8	13.5	12.2	9.6	7.7	7.7	8.4	8.4
137.5°	12.9	12.9	12.9	12.2	10.9	9.6	7.7	6.4	6.4	7.1	7.1
140°	10.3	10.9	10.3	9.6	8.4	7.1	5.8	5.1	5.8	5.8	5.8
142.5°	8.4	8.4	8.4	7.7	6.4	5.1	4.5	3.9	4.5	4.5	5.1
145°	6.4	6.4	6.4	5.8	4.5	3.2	3.2	3.2	3.9	3.9	3.9
147.5°	4.5	4.5	4.5	3.9	2.6	1.9	1.9	1.9	2.6	2.6	2.6
150°	3.2	3.2	3.2	2.6	1.3	0.6	0.6	1.3	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.6	1.3	1.3	0.6	0.6
155°	1.3	1.3	1.3	1.3	0.6	0.0	0.6	0.6	0.6	0.0	0.0
157.5°	1.3	1.3	0.6	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0
160°	0.6	0.6	0.6	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)