

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: P415562

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-750-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5961 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

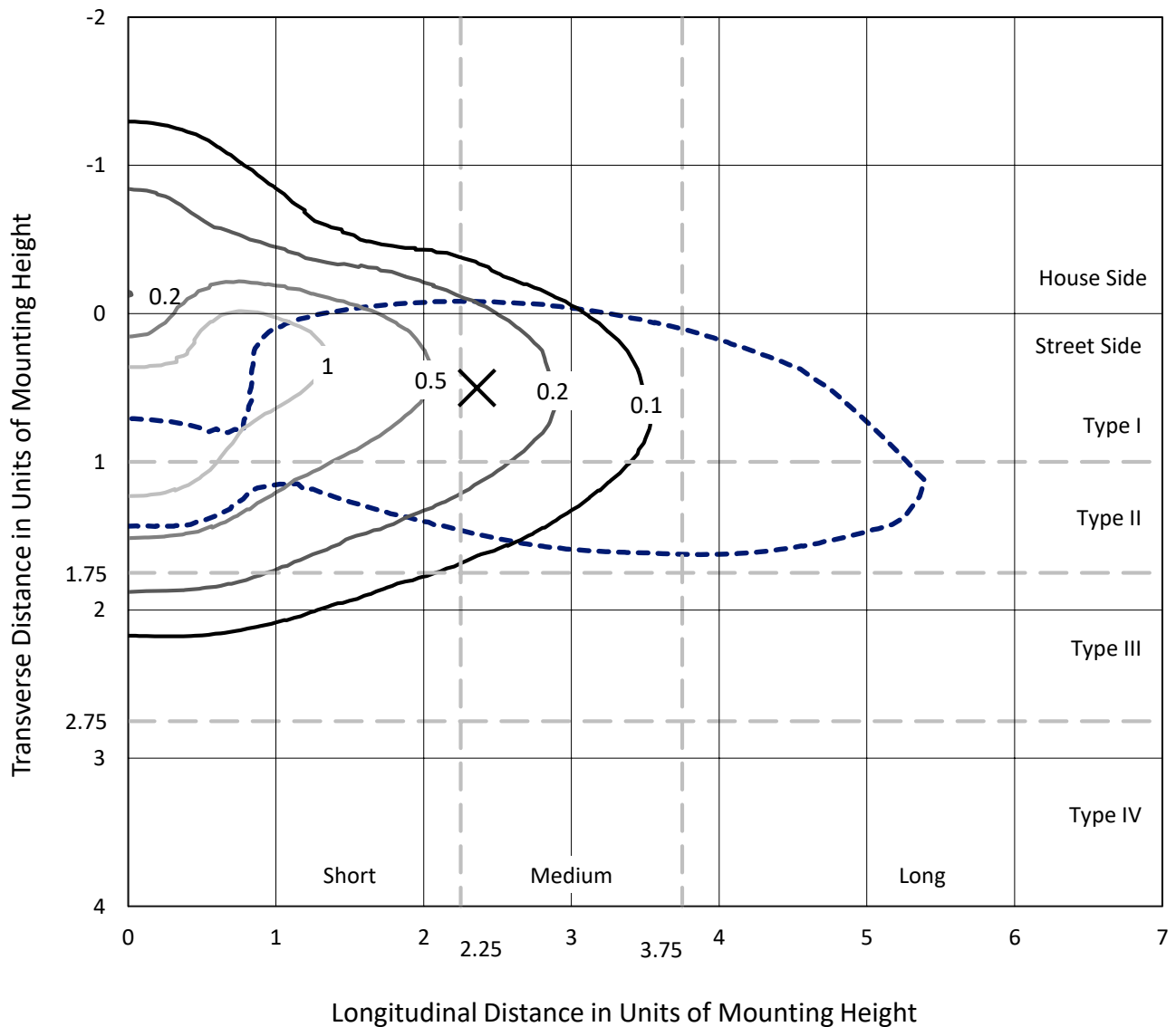
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

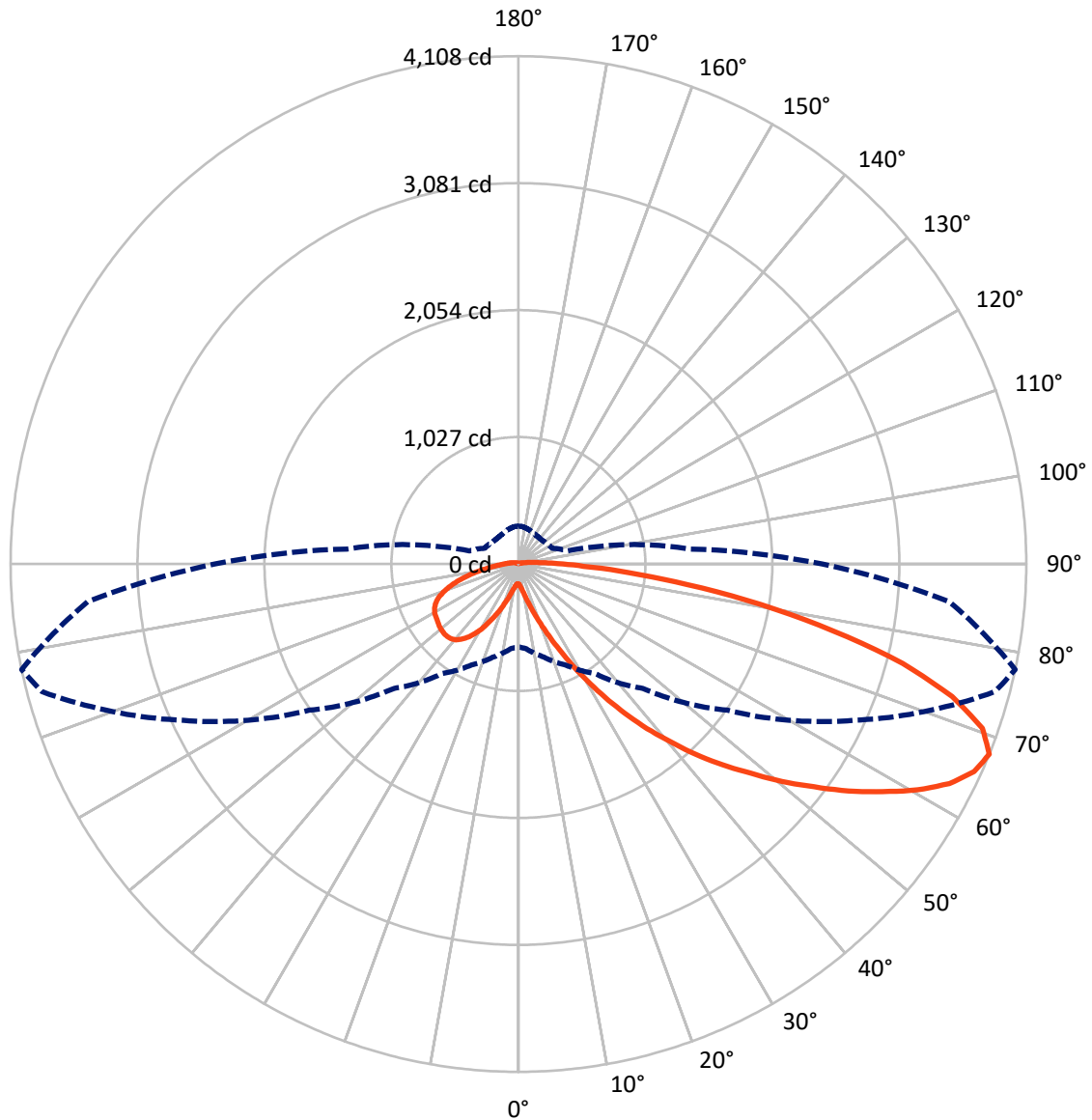


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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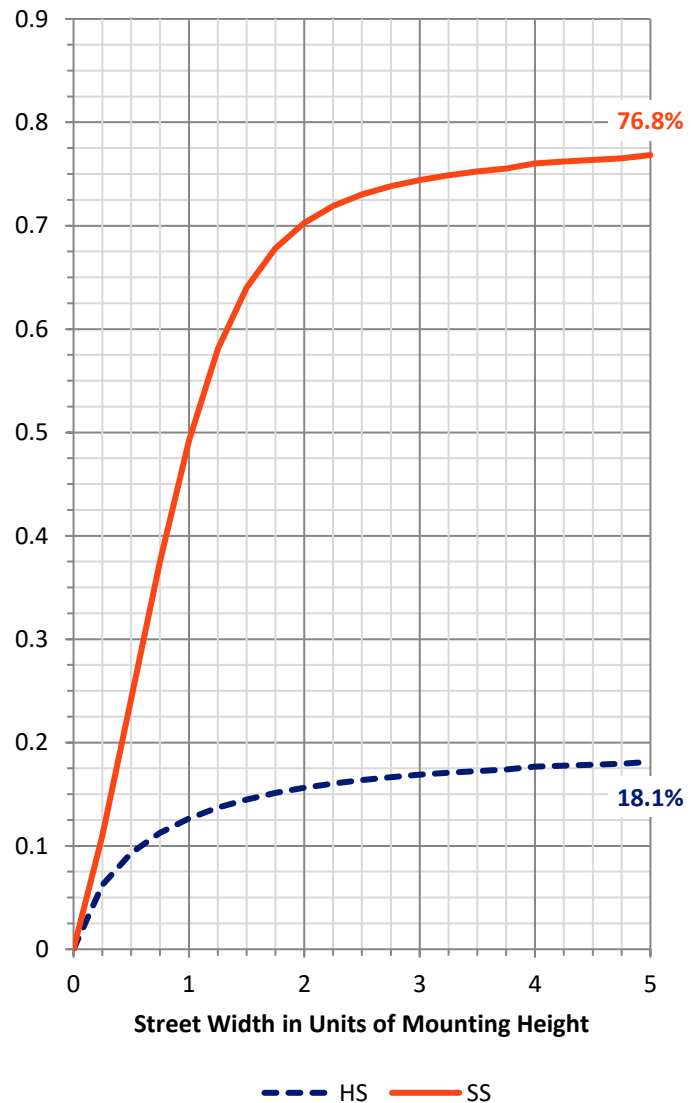
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1132.7	92.0	1224.6
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	4643.2	93.2	4736.4
	% Fixture	77.9	1.6	79.5
Total	Lumens	5775.8	185.2	5961.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.3
10°-20°	92.6	1.6
20°-30°	282.2	4.7
30°-40°	631.3	10.6
40°-50°	1040.2	17.5
50°-60°	1280.3	21.5
60°-70°	1241.7	20.8
70°-80°	859.9	14.4
80°-90°	329.2	5.5
90°-100°	94.5	1.6
100°-110°	40.9	0.7
110°-120°	22.1	0.4
120°-130°	13.7	0.2
130°-140°	8.5	0.1
140°-150°	4.1	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5775.8	96.9
0°-180°	5961.0	100.0



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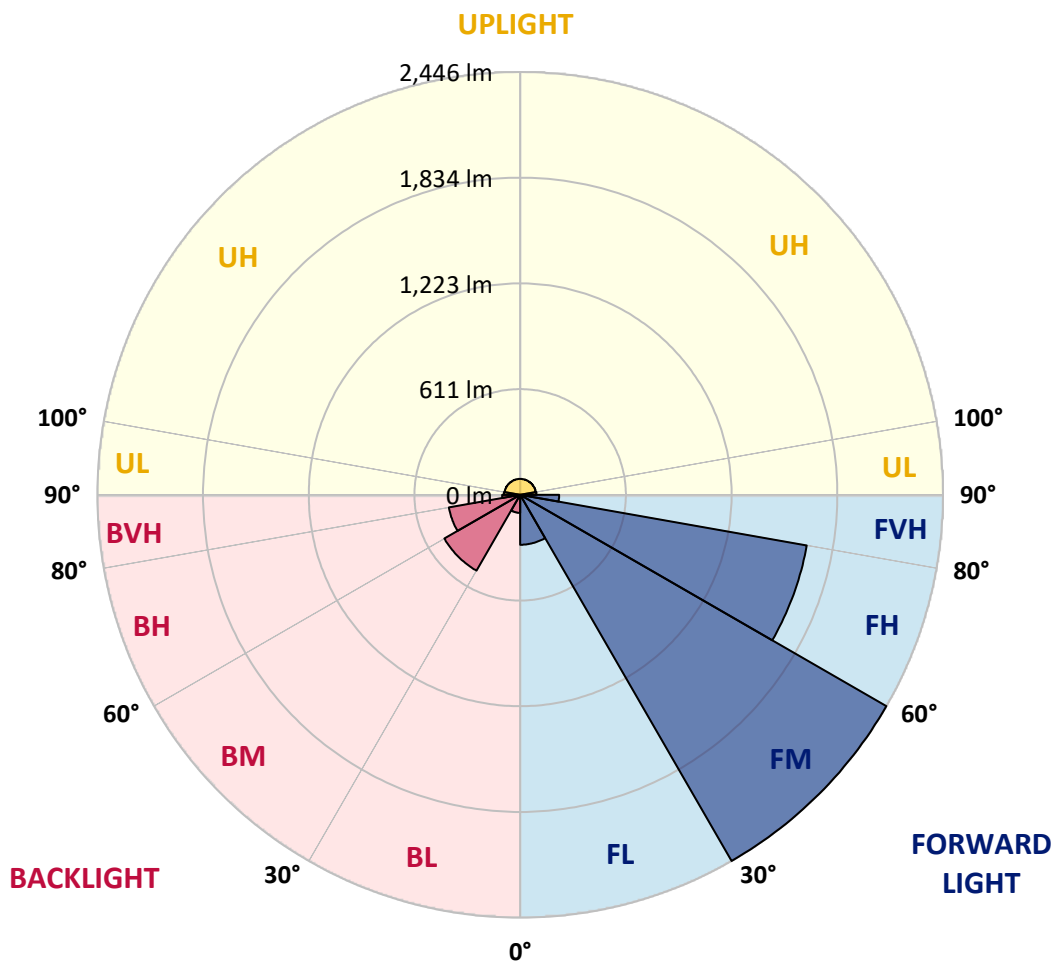
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.9	4.8			
FM	(30°-60°)	2445.8	41.0			
FH	(60°-80°)	1683.1	28.2			G1/1800
FVH	(80°-90°)	225.3	3.8			G3/500
BL	(0°-30°)	104.3	1.7	B0/110		
BM	(30°-60°)	505.9	8.5	B1/1000		
BH	(60°-80°)	418.5	7.0	B1/500		G1/500
BVH	(80°-90°)	103.9	1.7			G2/225
UL	(90°-100°)	94.5	1.6		U3/500	
UH	(100°-180°)	92.0	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4
2.5°	193.4	192.0	192.0	191.3	188.5	185.7	181.4	176.5	172.3	169.4	166.6
5°	235.1	230.2	231.6	227.3	222.4	216.7	209.0	198.4	188.5	186.4	178.6
7.5°	285.2	278.9	281.0	276.0	266.9	254.9	244.3	228.7	213.9	209.0	197.7
10°	348.8	342.4	338.9	331.8	321.2	305.7	289.5	269.0	248.5	241.5	227.3
12.5°	424.3	419.4	414.4	404.5	387.6	367.8	347.4	324.8	297.9	288.8	266.9
15°	518.2	514.0	503.4	490.0	465.3	443.4	412.3	391.8	358.6	347.4	320.5
17.5°	623.4	614.9	604.3	584.6	556.3	528.8	502.7	468.1	432.1	422.9	389.7
20°	753.3	750.5	730.0	696.8	665.8	628.3	602.9	569.0	528.8	516.1	472.3
22.5°	907.2	901.6	877.6	827.4	780.8	732.8	712.4	677.1	648.1	630.5	573.3
25°	1092.2	1081.6	1042.1	982.0	915.7	858.5	824.6	811.9	789.3	762.5	692.6
27.5°	1289.1	1289.9	1235.5	1146.5	1054.1	985.6	959.4	964.4	936.9	922.0	836.6
30°	1532.7	1515.1	1443.8	1334.3	1209.4	1121.1	1105.6	1130.3	1122.5	1093.6	992.6
32.5°	1776.3	1769.9	1681.7	1532.0	1368.2	1271.5	1260.2	1313.9	1311.7	1282.8	1154.3
35°	2019.2	2012.1	1902.7	1728.3	1534.1	1423.3	1413.4	1484.0	1509.4	1480.5	1336.5
37.5°	2263.4	2247.2	2137.1	1925.3	1691.6	1562.4	1566.6	1655.6	1714.9	1688.7	1512.2
40°	2478.8	2475.9	2347.4	2106.7	1843.4	1703.6	1731.8	1849.0	1921.7	1885.7	1690.9
42.5°	2644.0	2632.0	2518.3	2257.1	1979.6	1835.6	1884.3	2039.6	2132.8	2108.1	1866.7
45°	2720.2	2713.1	2622.1	2370.7	2085.5	1950.0	2026.9	2216.1	2343.2	2316.4	2047.4
47.5°	2699.7	2693.4	2644.0	2426.5	2155.4	2048.1	2152.6	2387.7	2564.2	2528.2	2227.4
50°	2576.9	2583.2	2567.7	2410.3	2180.1	2110.9	2271.9	2559.2	2780.2	2763.3	2401.1
52.5°	2352.4	2370.7	2395.4	2325.6	2157.5	2139.2	2358.0	2708.2	2994.8	2994.1	2593.8
55°	2060.8	2073.5	2159.6	2146.9	2071.4	2138.5	2421.6	2855.1	3236.3	3239.8	2792.9
57.5°	1751.6	1745.2	1859.6	1926.0	1945.7	2084.1	2452.6	2985.0	3449.5	3474.2	3003.3
60°	1413.4	1436.7	1544.0	1679.6	1753.7	1976.8	2442.0	3076.7	3654.9	3709.3	3194.6
62.5°	1148.7	1138.1	1256.0	1403.5	1553.9	1822.9	2365.1	3119.8	3850.5	3911.2	3371.1
65°	867.7	889.6	996.2	1126.8	1305.4	1628.7	2240.8	3097.2	3971.2	4048.9	3482.0
67.5°	669.3	686.2	777.3	900.1	1082.3	1422.6	2061.5	2992.0	3989.6	4107.5	3497.5
70°	517.5	530.9	595.2	699.6	873.3	1195.3	1809.5	2791.5	3889.3	3981.1	3354.9
72.5°	412.3	418.0	463.1	547.9	689.8	975.0	1535.5	2476.6	3586.5	3668.4	3062.6
75°	324.1	332.5	369.2	432.8	538.7	779.4	1255.3	2092.6	3125.4	3210.2	2659.5
77.5°	257.7	266.2	293.7	338.2	418.0	600.8	980.6	1705.0	2551.5	2603.7	2118.7
80°	204.7	209.0	232.3	265.5	324.8	463.1	738.5	1294.1	1932.3	1986.7	1574.4
82.5°	155.3	158.8	182.1	211.1	253.5	350.9	533.7	910.0	1361.2	1376.0	1068.9
85°	111.5	117.9	137.0	161.0	194.1	261.2	382.7	617.7	868.4	891.0	677.1
87.5°	79.1	81.9	101.0	123.5	148.3	193.4	266.2	406.7	534.4	528.1	410.9
90°	53.7	55.8	72.7	91.1	113.0	144.7	185.7	255.6	328.3	317.7	257.7
92.5°	36.0	39.5	53.7	69.2	88.2	111.5	132.0	167.3	203.3	193.4	163.8
95°	26.8	28.2	40.9	55.1	70.6	85.4	98.1	114.4	129.9	127.1	113.0
97.5°	21.2	22.6	33.2	45.2	57.2	69.2	76.2	81.9	90.4	89.7	81.2
100°	18.4	19.1	28.2	38.8	49.4	57.9	62.1	63.5	66.4	65.0	62.1
102.5°	15.5	16.9	24.7	33.9	43.1	49.4	52.2	50.8	50.1	48.7	45.9
105°	14.1	14.8	21.9	30.4	38.1	43.1	43.8	41.7	38.1	37.4	36.0
107.5°	13.4	14.1	19.8	27.5	33.9	38.1	37.4	34.6	30.4	28.9	28.2
110°	12.7	13.4	18.4	24.7	31.1	33.9	33.2	28.9	24.0	22.6	23.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	12.7	12.7	16.9	22.6	28.2	30.4	28.9	24.7	19.8	19.1	19.8
115°	12.0	12.7	16.2	21.2	25.4	27.5	25.4	21.2	16.9	16.2	16.9
117.5°	12.0	12.7	15.5	19.8	24.0	24.7	22.6	18.4	14.1	14.1	15.5
120°	12.0	12.7	14.8	18.4	21.9	22.6	20.5	16.2	12.7	12.7	14.1
122.5°	12.7	12.7	14.1	17.6	20.5	21.2	18.4	14.1	12.0	12.0	13.4
125°	12.7	12.7	14.1	16.2	19.1	19.1	16.9	12.7	10.6	10.6	12.7
127.5°	12.7	12.7	14.1	15.5	17.6	17.6	15.5	12.0	9.9	9.9	12.0
130°	12.7	13.4	13.4	14.8	16.2	16.2	14.1	10.6	9.9	9.9	11.3
132.5°	13.4	13.4	13.4	14.1	15.5	14.8	12.0	9.9	9.2	9.2	10.6
135°	12.7	12.7	12.7	13.4	14.1	13.4	10.6	8.5	8.5	9.2	9.9
137.5°	12.7	12.7	12.7	12.0	12.7	12.0	9.9	7.8	7.8	8.5	9.2
140°	11.3	12.0	11.3	11.3	11.3	10.6	8.5	6.4	7.1	7.8	7.8
142.5°	10.6	10.6	10.6	9.9	9.9	9.2	7.1	5.6	6.4	6.4	7.1
145°	9.9	9.9	9.2	8.5	8.5	7.1	5.6	4.9	5.6	5.6	6.4
147.5°	8.5	8.5	8.5	7.1	6.4	5.6	3.5	3.5	4.2	4.9	4.9
150°	7.1	7.1	7.1	6.4	4.9	4.2	2.8	3.5	3.5	3.5	4.2
152.5°	5.6	5.6	5.6	4.9	4.2	2.8	2.1	2.8	2.8	2.8	3.5
155°	3.5	3.5	3.5	3.5	2.8	1.4	2.1	2.1	2.8	2.8	2.8
157.5°	2.1	2.1	2.1	2.1	1.4	1.4	1.4	2.1	2.1	2.1	2.1
160°	0.7	0.7	1.4	1.4	2.1	1.4	1.4	1.4	1.4	1.4	1.4
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°	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4
2.5°	164.5	162.4	158.8	155.3	151.8	148.3	145.4	144.7	142.6	142.6	141.9
5°	174.4	170.9	161.7	154.6	146.8	140.5	135.6	133.4	131.3	129.9	129.9
7.5°	192.0	184.3	170.9	158.8	148.3	139.1	132.7	129.2	126.4	125.0	125.0
10°	216.0	206.2	185.7	168.0	152.5	141.2	134.1	129.9	127.8	126.4	125.7
12.5°	251.3	237.2	207.6	182.1	162.4	148.3	139.1	136.3	137.0	137.0	137.0
15°	299.3	278.9	238.6	204.0	175.8	157.4	151.1	151.1	153.2	153.9	152.5
17.5°	361.5	333.9	277.5	225.9	192.7	173.7	166.6	166.6	170.1	172.3	172.3
20°	437.7	398.2	318.4	254.9	212.5	192.0	183.6	184.3	188.5	191.3	191.3
22.5°	525.3	478.7	370.6	284.5	234.4	208.3	199.1	199.8	206.9	210.4	211.8
25°	638.9	566.9	422.9	314.9	254.9	223.8	214.6	215.3	224.5	229.4	229.4
27.5°	758.9	665.0	475.8	344.5	272.5	237.9	228.7	230.9	240.7	245.0	246.4
30°	886.7	769.5	528.8	369.9	286.6	248.5	239.3	243.6	252.7	259.1	259.8
32.5°	1028.6	871.9	571.2	390.4	298.6	257.7	248.5	254.9	262.6	269.7	270.4
35°	1176.9	973.6	608.6	404.5	306.4	265.5	255.6	261.9	269.7	276.0	275.3
37.5°	1309.6	1056.9	633.3	410.2	310.6	269.7	260.5	266.9	273.9	278.9	278.9
40°	1440.2	1143.7	645.3	405.9	310.6	271.8	262.6	269.7	276.0	278.9	278.9
42.5°	1564.5	1208.0	643.2	397.5	309.2	272.5	264.0	270.4	276.0	277.5	277.5
45°	1671.8	1267.3	630.5	383.4	304.3	271.8	264.7	270.4	274.6	274.6	275.3
47.5°	1798.9	1313.9	612.1	368.5	298.6	270.4	263.3	269.7	273.2	273.2	272.5
50°	1913.3	1359.0	587.4	352.3	293.7	269.0	262.6	269.0	273.2	271.8	271.8
52.5°	2034.7	1399.3	562.0	337.5	288.8	268.3	262.6	269.0	273.2	272.5	273.2
55°	2146.9	1439.5	530.2	324.1	285.9	267.6	263.3	269.7	275.3	275.3	274.6
57.5°	2291.0	1460.7	505.5	314.9	283.1	267.6	264.0	271.1	278.2	278.9	279.6
60°	2392.6	1488.2	485.0	309.2	283.1	269.0	266.2	273.2	282.4	285.9	288.0
62.5°	2466.8	1486.8	460.3	306.4	283.8	270.4	268.3	275.3	287.3	292.3	295.1
65°	2505.6	1461.4	434.9	304.3	284.5	271.8	269.7	276.8	290.9	300.0	302.9
67.5°	2454.8	1392.9	408.8	300.8	283.8	271.1	270.4	278.2	293.0	305.0	306.4
70°	2331.2	1277.1	377.7	293.0	281.0	269.0	268.3	274.6	290.9	305.0	306.4
72.5°	2096.8	1130.3	341.7	281.7	274.6	264.0	261.9	268.3	283.8	297.9	297.9
75°	1783.3	960.2	306.4	265.5	261.9	255.6	253.5	257.0	270.4	283.8	284.5
77.5°	1396.5	764.6	269.0	242.9	246.4	241.5	239.3	241.5	253.5	262.6	263.3
80°	1062.5	582.4	233.0	216.0	224.5	223.1	221.0	220.3	228.7	235.8	233.7
82.5°	732.8	414.4	192.7	187.8	197.0	199.1	198.4	193.4	199.8	205.4	201.9
85°	473.0	293.0	161.0	158.8	167.3	170.9	170.1	166.6	168.0	174.4	167.3
87.5°	305.7	210.4	132.7	131.3	138.4	142.6	142.6	135.6	138.4	144.7	137.0
90°	191.3	149.0	110.8	110.1	115.1	117.2	114.4	110.1	111.5	115.1	112.3
92.5°	135.6	112.3	92.5	92.5	93.9	95.3	93.9	89.0	91.8	91.8	91.8
95°	98.8	89.0	80.5	79.1	78.4	77.7	77.0	73.4	76.2	75.5	73.4
97.5°	75.5	71.3	68.5	67.8	66.4	65.7	65.0	62.1	64.2	62.8	61.4
100°	59.3	58.6	58.6	58.6	57.2	55.1	55.1	54.4	54.4	52.2	52.2
102.5°	47.3	47.3	50.1	50.8	49.4	48.0	48.0	47.3	46.6	43.8	43.1
105°	37.4	38.8	43.1	43.8	43.1	41.7	40.9	40.9	39.5	36.0	36.0
107.5°	30.4	31.8	36.7	38.1	37.4	36.7	36.0	35.3	33.9	30.4	30.4
110°	24.7	26.8	31.1	33.2	32.5	31.8	31.8	30.4	28.9	26.1	26.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.2	23.3	26.8	28.9	28.9	28.2	27.5	26.8	24.7	22.6	22.6
115°	18.4	20.5	24.0	25.4	25.4	24.7	24.0	23.3	21.2	19.8	20.5
117.5°	16.9	18.4	21.2	22.6	22.6	21.9	21.2	20.5	19.1	18.4	18.4
120°	15.5	16.9	19.1	20.5	20.5	19.8	19.1	18.4	16.9	16.9	16.9
122.5°	14.1	15.5	17.6	18.4	18.4	17.6	16.9	16.2	14.8	15.5	15.5
125°	13.4	14.1	15.5	16.9	16.9	16.2	15.5	14.1	13.4	14.1	14.1
127.5°	12.7	13.4	14.8	15.5	15.5	14.8	13.4	12.7	12.0	12.7	12.7
130°	12.0	12.7	13.4	14.1	14.1	12.7	12.0	11.3	11.3	12.0	12.0
132.5°	11.3	12.0	12.0	12.7	12.7	12.0	10.6	9.9	9.9	10.6	10.6
135°	10.6	10.6	11.3	11.3	11.3	10.6	9.2	8.5	9.2	9.9	9.9
137.5°	9.2	9.9	9.9	10.6	9.9	9.2	7.8	7.8	8.5	8.5	8.5
140°	8.5	8.5	9.2	9.2	8.5	7.8	7.1	6.4	7.1	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	7.8	6.4	5.6	5.6	6.4	6.4	6.4
145°	6.4	6.4	7.1	6.4	6.4	4.9	4.2	4.9	5.6	5.6	5.6
147.5°	4.9	5.6	5.6	5.6	4.9	3.5	2.8	4.2	4.9	4.9	4.9
150°	4.2	4.2	4.2	4.2	4.2	2.8	2.1	3.5	4.2	4.2	4.2
152.5°	3.5	3.5	4.2	4.2	3.5	2.1	1.4	2.8	3.5	3.5	2.8
155°	2.8	2.8	3.5	3.5	2.8	1.4	1.4	2.1	2.8	2.8	2.1
157.5°	2.1	2.8	2.8	2.8	2.1	1.4	0.7	1.4	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.8	2.1	1.4	0.7	1.4	2.1	1.4	1.4
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)