

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: P415712

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4740 lumens
Efficiency: N/A
Efficacy: 87.8 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 - G2

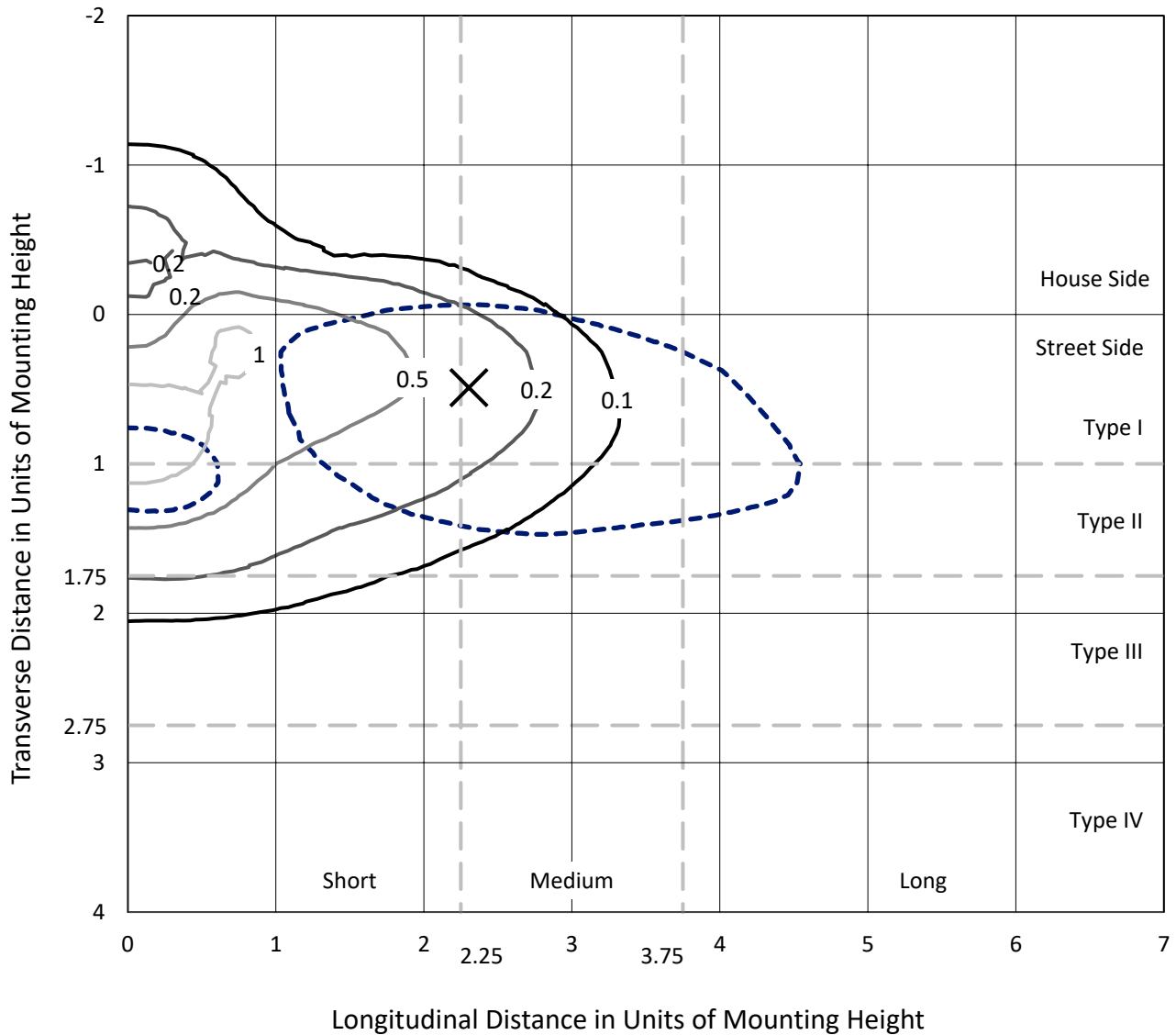
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

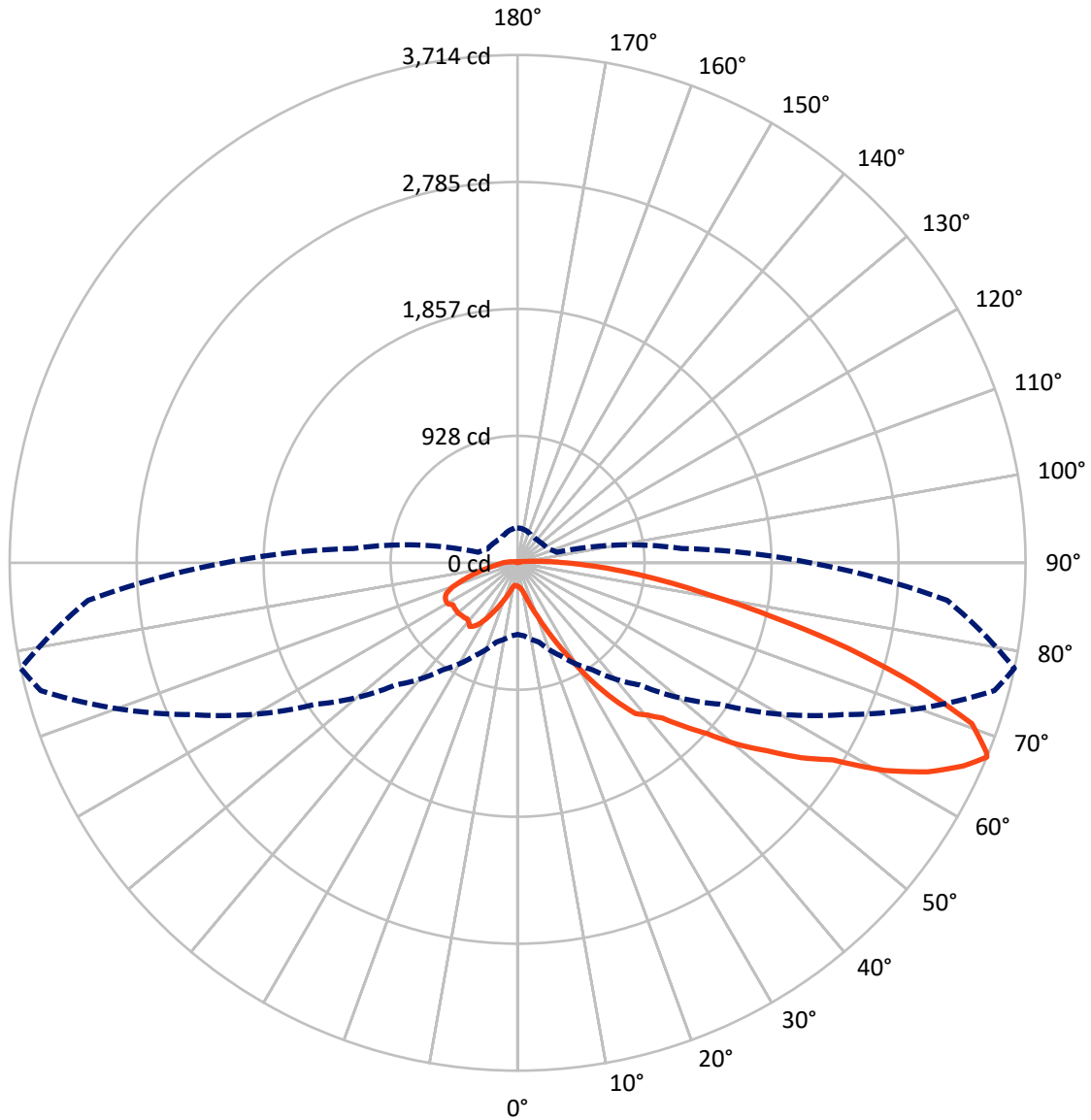
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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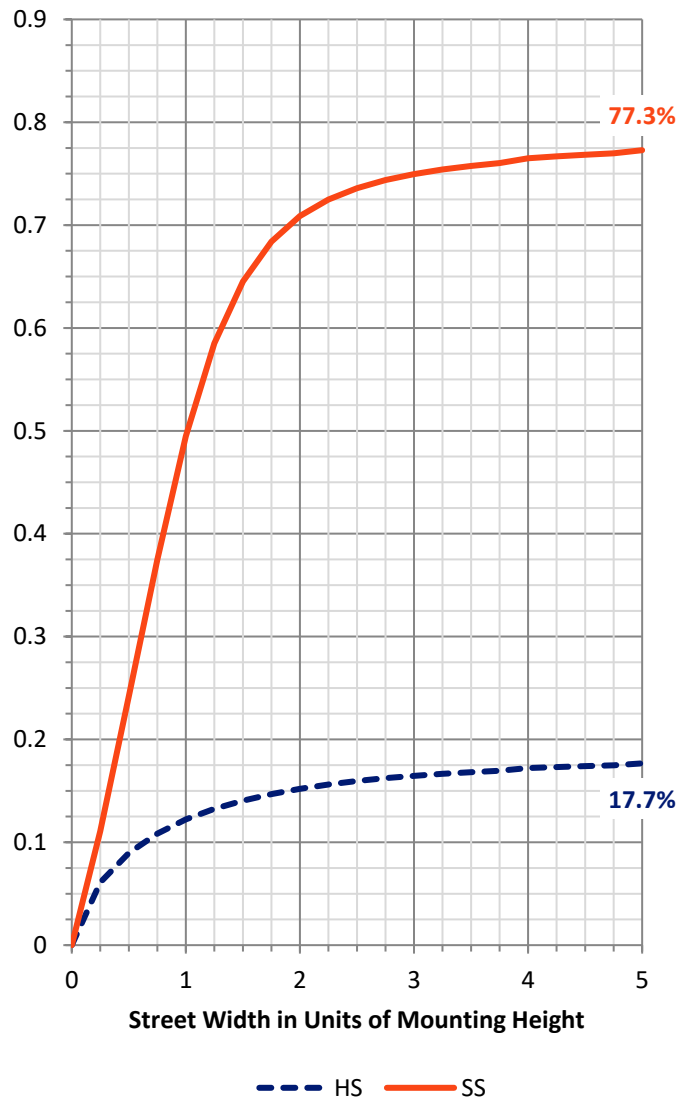
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.9	71.7	948.6
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	3715.0	76.4	3791.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	4591.9	148.1	4740.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.4
10°-20°	73.7	1.6
20°-30°	221.2	4.7
30°-40°	506.3	10.7
40°-50°	808.6	17.1
50°-60°	996.5	21.0
60°-70°	1038.7	21.9
70°-80°	673.5	14.2
80°-90°	256.0	5.4
90°-100°	79.1	1.7
100°-110°	30.4	0.6
110°-120°	16.4	0.3
120°-130°	10.8	0.2
130°-140°	7.2	0.2
140°-150°	3.2	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4591.9	96.9
0°-180°	4740.0	100.0

Coefficient of Utilization



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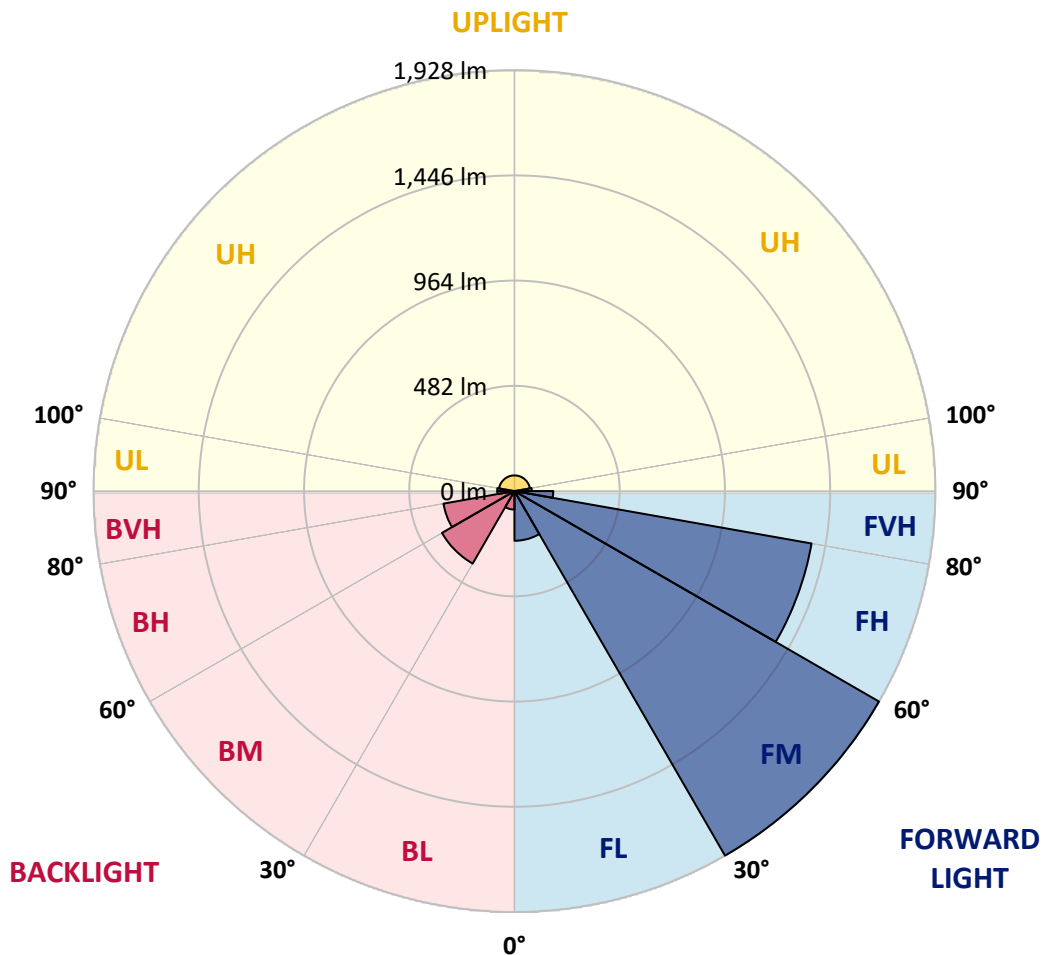
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.6	4.8			
FM (30°-60°)	1928.0	40.7			
FH (60°-80°)	1381.8	29.2			G1/1800
FVH (80°-90°)	177.6	3.7			G2/225
BL (0°-30°)	84.7	1.8	B0/110		
BM (30°-60°)	383.4	8.1	B1/1000		
BH (60°-80°)	330.4	7.0	B1/500		G1/500
BVH (80°-90°)	78.4	1.7			G1/100
UL (90°-100°)	79.1	1.7		U3/500	
UH (100°-180°)	71.7	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8
2.5°	195.2	194.7	194.1	193.0	190.8	188.5	185.1	180.7	177.3	176.7	173.4
5°	219.9	218.2	218.2	215.4	211.0	206.5	199.7	191.9	185.7	182.3	177.3
7.5°	250.2	246.9	248.0	243.5	237.3	229.5	218.8	208.1	196.4	193.0	185.7
10°	286.7	284.5	282.2	276.6	269.3	257.0	246.9	231.2	215.4	211.0	199.7
12.5°	331.0	331.6	324.8	318.7	306.3	294.0	281.6	266.5	249.1	244.1	229.5
15°	393.3	392.7	385.4	371.4	356.3	342.8	332.7	316.4	299.6	294.0	272.1
17.5°	466.2	464.5	458.9	434.3	419.1	408.4	393.9	383.8	359.6	353.5	326.5
20°	572.8	562.7	549.8	516.7	494.3	480.8	469.0	456.1	430.3	419.7	387.7
22.5°	691.2	696.3	672.7	621.6	584.1	559.4	547.0	540.3	520.7	513.4	465.1
25°	838.2	838.2	801.2	745.1	696.3	650.3	647.5	655.3	628.9	623.9	572.8
27.5°	993.1	999.2	950.4	890.4	816.3	762.5	759.7	766.4	764.1	749.6	676.6
30°	1169.8	1164.2	1109.2	1036.3	938.1	874.7	866.8	915.6	919.6	909.5	829.8
32.5°	1375.7	1371.2	1302.2	1189.4	1068.2	995.3	1000.4	1069.4	1096.3	1078.9	985.8
35°	1625.9	1631.5	1523.2	1364.5	1204.6	1120.4	1126.0	1212.4	1262.9	1241.6	1136.7
37.5°	1882.9	1884.6	1785.3	1570.4	1351.0	1231.5	1245.0	1350.4	1415.5	1398.1	1253.9
40°	2045.6	2062.4	1967.0	1762.8	1505.3	1342.6	1353.8	1458.2	1496.3	1463.8	1294.3
42.5°	2188.1	2201.0	2103.9	1884.6	1622.6	1441.9	1438.0	1517.1	1572.1	1551.9	1377.4
45°	2258.2	2283.5	2195.9	1969.3	1705.0	1519.3	1489.0	1607.4	1729.7	1704.5	1512.0
47.5°	2207.2	2238.0	2201.0	2013.6	1742.1	1568.1	1574.9	1737.6	1895.8	1867.7	1659.0
50°	2040.5	2077.6	2089.9	1980.5	1751.6	1592.3	1664.1	1882.9	2095.0	2089.3	1839.7
52.5°	1839.7	1859.3	1913.2	1880.6	1716.2	1620.3	1760.6	2023.7	2300.3	2282.9	1989.5
55°	1654.0	1679.8	1724.1	1705.0	1628.7	1623.7	1836.9	2180.8	2518.5	2516.3	2178.0
57.5°	1398.1	1434.0	1527.2	1537.8	1515.4	1602.9	1892.4	2304.2	2711.5	2719.4	2367.1
60°	1073.3	1103.6	1245.0	1357.7	1377.4	1554.1	1920.5	2440.0	3041.4	3082.4	2697.5
62.5°	870.2	875.8	983.0	1123.8	1257.3	1464.9	1925.0	2611.7	3329.8	3366.9	2895.6
65°	651.4	650.3	749.0	909.5	1095.2	1360.5	1910.9	2665.5	3486.4	3581.2	3084.6
67°	523.5	535.8	599.2	751.8	954.9	1262.9	1802.1	2625.7	3609.2	3713.6	3153.7
67.5°	503.3	509.4	567.2	711.4	922.9	1233.7	1770.1	2615.6	3608.7	3697.3	3132.9
70°	401.7	410.1	452.2	547.6	738.3	1042.4	1545.1	2381.1	3394.9	3523.9	2942.7
72.5°	310.3	317.0	346.7	419.1	562.2	839.3	1278.1	2049.0	2939.9	3042.0	2495.0
75°	236.2	238.4	266.5	315.9	429.2	640.2	986.9	1613.6	2417.6	2495.0	2027.6
77.5°	182.9	188.0	209.3	242.4	318.7	481.9	742.8	1256.7	1923.3	1911.5	1541.8
80°	142.5	147.0	162.7	185.7	239.0	354.0	543.7	929.1	1404.9	1418.9	1128.8
82.5°	114.5	117.8	128.5	145.3	184.0	269.3	397.2	694.6	1068.2	1063.2	827.5
85°	91.5	93.7	101.5	116.1	141.9	204.2	293.4	516.2	754.0	760.2	565.0
87.5°	71.3	74.1	83.0	92.0	112.2	155.4	216.6	357.9	501.6	506.6	388.2
90°	55.5	57.2	65.1	74.6	90.9	117.8	156.5	245.2	323.2	317.0	249.7
92.5°	41.0	42.6	49.9	58.9	70.7	90.9	112.8	157.1	189.1	193.0	156.0
95°	29.2	30.9	37.0	43.8	53.9	69.0	80.2	99.9	116.1	112.8	99.9
97.5°	22.4	23.0	27.5	32.5	41.0	53.3	59.5	69.0	76.3	74.6	69.6
100°	18.0	18.5	21.9	24.7	32.0	42.1	47.7	52.7	57.2	55.5	53.3
102.5°	15.1	15.7	18.0	20.2	26.4	35.3	38.7	42.1	43.8	43.8	42.6
105°	12.9	13.5	15.1	17.4	22.4	29.2	31.4	33.1	34.8	34.2	34.2
107.5°	11.8	11.8	13.5	15.1	19.6	24.7	25.8	26.4	26.9	26.9	28.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	10.7	11.2	12.3	13.5	17.4	21.9	21.9	21.3	21.3	21.3	23.0
112.5°	10.1	10.7	11.2	12.9	16.3	19.1	18.5	17.4	17.4	18.0	19.6
115°	10.1	10.1	10.7	12.3	15.1	17.4	16.3	14.6	14.6	15.1	16.8
117.5°	10.1	10.1	11.2	12.3	14.6	15.7	14.6	12.9	12.3	12.9	14.6
120°	10.7	10.7	11.2	12.3	13.5	14.6	13.5	11.8	11.2	11.8	13.5
122.5°	11.2	11.2	11.2	12.3	12.9	13.5	12.3	10.7	10.1	10.7	12.3
125°	11.8	11.8	11.8	12.3	12.9	12.3	11.2	10.1	10.1	10.1	11.8
127.5°	12.9	12.9	12.9	12.9	12.3	11.8	10.7	9.5	10.1	10.1	11.2
130°	14.0	14.0	13.5	12.9	12.3	11.2	10.1	9.0	9.5	10.1	11.2
132.5°	14.6	14.0	13.5	12.3	11.8	10.1	9.0	8.4	9.0	9.5	10.7
135°	13.5	13.5	12.3	11.2	10.7	9.0	7.9	7.9	8.4	9.0	9.5
137.5°	11.8	11.8	11.2	10.1	9.5	8.4	7.3	6.7	7.9	8.4	9.0
140°	10.1	10.1	9.5	8.4	7.9	7.3	6.2	5.6	6.7	7.3	7.9
142.5°	8.4	8.4	7.9	6.7	6.7	6.2	5.0	5.0	6.2	6.2	6.7
145°	6.7	6.7	6.7	5.6	5.6	5.0	3.9	4.5	5.0	5.6	5.6
147.5°	5.6	5.6	5.6	4.5	4.5	3.9	2.8	3.4	3.9	4.5	4.5
150°	4.5	4.5	4.5	3.9	3.4	2.8	2.2	2.8	2.8	3.4	3.4
152.5°	3.4	3.4	3.4	2.8	2.8	1.7	1.7	2.2	2.2	2.8	2.8
155°	2.2	2.2	2.8	2.2	1.7	1.1	1.7	1.7	2.2	2.2	2.2
157.5°	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7
160°	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8	172.8
2.5°	171.7	170.6	167.8	164.9	162.1	159.9	157.1	156.5	156.5	155.4	155.4
5°	173.9	170.6	163.8	158.2	152.0	147.0	143.1	141.4	139.7	138.6	137.5
7.5°	179.0	173.4	162.1	153.2	144.2	136.3	130.7	127.9	126.2	124.6	125.1
10°	190.8	182.3	166.1	151.5	138.0	127.4	120.6	117.3	116.1	114.5	114.5
12.5°	216.0	204.8	181.2	156.5	135.8	121.2	113.3	112.2	113.3	115.0	115.0
15°	255.8	239.0	204.8	170.6	140.8	120.1	115.6	118.9	122.9	125.1	125.1
17.5°	304.6	281.6	232.8	186.8	148.1	130.2	124.6	129.0	134.1	137.5	137.5
20°	358.5	327.7	261.4	200.9	158.8	144.2	138.0	141.9	148.7	153.7	153.2
22.5°	428.6	383.8	294.6	213.2	171.7	157.1	153.2	158.2	168.3	175.0	175.6
25°	515.6	453.9	333.3	229.5	183.5	168.3	169.4	178.4	191.9	199.2	199.2
27.5°	608.2	530.2	366.4	245.7	195.8	180.1	185.7	198.1	212.6	221.1	222.2
30°	730.5	628.4	407.9	262.0	206.5	191.9	198.6	213.2	223.9	228.9	229.5
32.5°	855.0	721.5	441.0	278.8	216.6	200.3	206.5	220.5	230.0	235.6	235.1
35°	967.8	796.7	460.6	286.7	225.5	206.5	209.3	224.4	230.0	233.4	232.8
37.5°	1054.2	850.6	467.9	288.4	228.9	209.3	210.4	223.3	231.2	237.3	236.2
40°	1068.8	843.3	440.4	278.3	228.3	209.3	211.5	226.1	234.5	237.3	236.8
42.5°	1122.7	863.5	416.9	260.3	221.6	208.7	213.8	227.2	231.2	229.5	227.8
45°	1216.4	906.1	410.1	251.3	213.2	207.0	214.9	224.4	223.9	220.5	219.4
47.5°	1308.9	947.1	395.5	247.4	211.0	206.5	214.3	221.1	222.7	219.4	218.2
50°	1426.7	1001.5	383.8	241.8	211.5	206.5	213.2	221.1	222.2	216.6	216.0
52.5°	1532.2	1039.1	366.4	236.8	212.1	208.1	213.2	221.1	221.6	216.0	214.9
55°	1642.2	1078.9	348.4	231.7	213.8	209.8	214.9	221.6	222.2	218.2	217.1
57.5°	1752.2	1113.7	328.2	227.8	215.4	213.2	216.0	222.2	226.7	225.5	225.5
60°	1976.6	1213.5	324.8	228.3	217.1	216.0	217.1	225.0	233.4	230.6	231.2
62.5°	2065.2	1234.9	318.7	235.6	222.2	218.2	218.8	227.2	236.2	240.1	239.6
65°	2146.0	1236.6	306.3	240.7	228.3	219.9	219.9	227.8	242.9	251.9	251.9
67°	2141.5	1202.9	297.4	241.3	231.2	221.6	219.4	227.8	243.5	253.6	254.2
67.5°	2115.7	1181.0	294.0	241.3	231.7	221.6	218.8	227.2	243.5	254.2	254.2
70°	1960.3	1066.0	272.1	235.1	230.0	218.8	215.4	221.6	240.1	254.7	254.7
72.5°	1623.7	877.5	241.3	219.9	219.4	211.5	206.5	213.2	231.2	246.3	245.7
75°	1312.3	701.3	210.4	197.5	203.1	197.5	193.6	198.6	216.0	231.2	230.0
77.5°	980.7	526.8	181.8	176.2	184.0	180.1	176.7	181.8	198.6	213.2	211.0
80°	724.9	406.2	158.2	156.0	161.6	160.5	159.3	161.6	176.2	185.7	184.0
82.5°	533.6	309.1	136.3	134.7	141.4	141.4	141.4	143.1	153.7	157.1	155.4
85°	379.3	232.8	120.1	115.6	121.2	124.0	125.7	126.2	131.8	132.4	128.5
87.5°	267.1	183.5	107.7	98.2	101.0	107.2	110.0	109.4	111.6	110.0	106.0
90°	186.3	144.2	97.6	83.6	83.6	89.8	94.3	93.7	94.3	89.8	85.8
92.5°	131.3	108.8	82.5	69.0	67.9	74.1	78.0	77.4	77.4	72.9	69.0
95°	88.1	80.2	65.6	55.5	53.9	58.9	62.8	61.7	61.7	57.2	55.5
97.5°	65.1	61.2	53.9	47.1	43.8	46.6	49.4	49.4	49.9	47.1	45.4
100°	51.1	49.4	46.0	40.4	37.0	37.6	39.3	39.3	41.5	39.3	38.2
102.5°	42.6	41.5	38.7	34.8	32.0	31.4	32.5	33.1	35.9	34.2	33.7
105°	35.3	34.8	33.1	29.7	27.5	27.5	27.5	28.1	30.9	29.7	29.7
107.5°	28.6	28.6	28.6	25.8	24.1	24.1	23.6	24.1	26.4	26.4	26.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.1	24.1	24.7	22.4	21.3	21.3	20.8	21.3	23.6	24.1	24.1
112.5°	20.8	20.8	21.3	20.2	19.1	19.1	18.5	18.5	20.8	22.4	22.4
115°	18.0	18.5	18.5	18.0	17.4	16.8	16.3	16.8	19.1	20.8	20.8
117.5°	15.7	16.3	16.8	16.3	15.7	15.1	14.6	15.1	17.4	19.6	19.6
120°	14.0	14.6	15.1	15.1	14.6	14.0	12.9	14.0	15.7	18.0	18.5
122.5°	12.9	13.5	13.5	13.5	13.5	12.3	11.8	12.3	14.0	16.3	16.8
125°	12.3	12.3	12.9	12.9	12.3	11.2	10.7	11.2	12.3	14.0	14.6
127.5°	11.8	11.8	12.3	12.3	11.2	10.1	9.5	10.1	11.2	12.3	12.3
130°	11.8	11.8	11.8	11.2	10.7	9.5	8.4	9.0	10.1	11.2	11.2
132.5°	11.2	10.7	10.7	10.7	9.5	8.4	7.9	7.9	9.0	10.1	10.1
135°	10.1	10.1	9.5	9.5	9.0	7.3	6.7	6.7	7.9	9.0	9.0
137.5°	9.0	9.0	8.4	8.4	7.9	6.7	5.6	6.2	7.3	7.3	7.9
140°	7.9	7.9	7.3	7.3	6.7	5.6	4.5	5.0	6.2	6.2	6.7
142.5°	6.7	6.7	6.7	6.2	5.6	4.5	3.9	4.5	5.6	5.6	5.6
145°	5.6	5.6	5.6	5.0	4.5	3.4	2.8	3.9	5.0	4.5	4.5
147.5°	4.5	4.5	4.5	4.5	3.4	2.8	2.2	3.4	3.9	3.9	3.9
150°	3.4	3.4	3.4	3.4	2.8	1.7	1.7	2.8	3.4	3.4	3.4
152.5°	2.8	2.8	2.8	3.4	2.8	1.1	1.1	2.2	2.8	2.8	2.8
155°	2.2	2.2	2.8	2.8	2.2	1.1	0.6	1.7	2.2	2.2	2.2
157.5°	1.7	1.7	2.2	2.2	1.7	1.1	0.6	1.1	2.2	1.7	1.7
160°	1.1	1.7	1.7	1.7	1.7	1.1	0.0	1.1	1.7	1.1	1.1
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)