

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: P415406

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415406
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-PA1-50-727-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 4986 lumens
Efficiency: N/A
Efficacy: 92.3 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

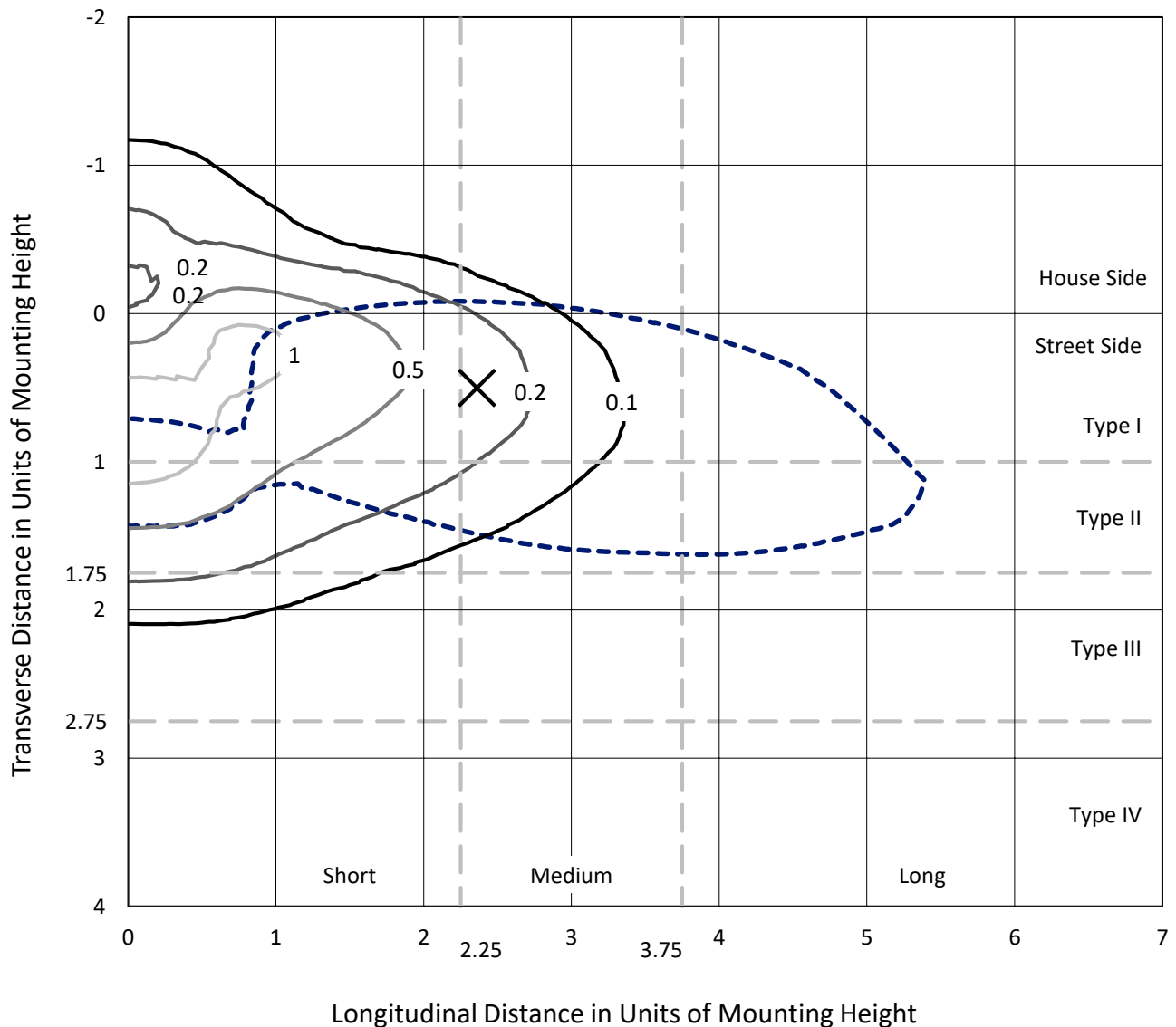
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

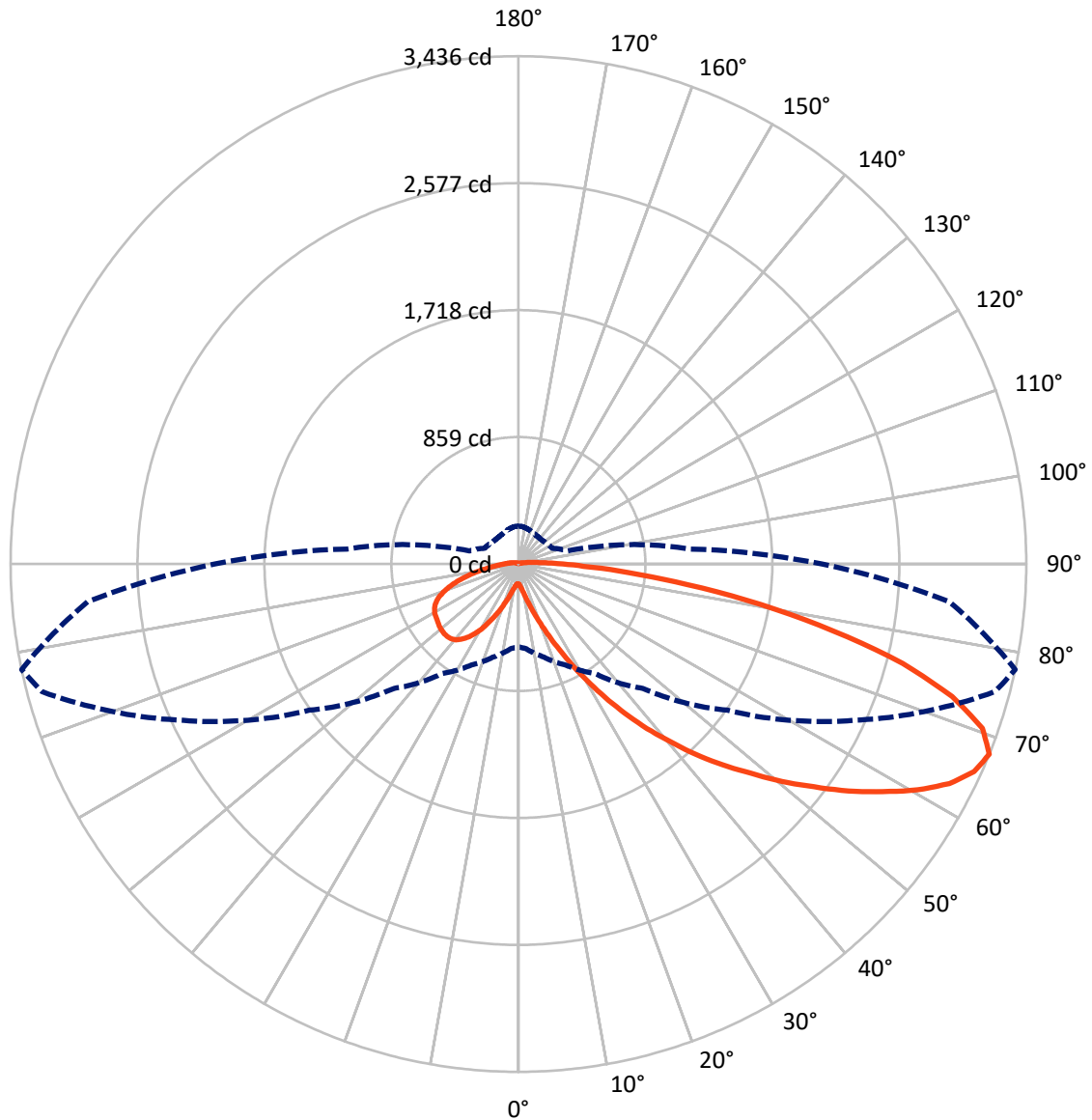


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.4	76.9	1024.3
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	3883.7	78.0	3961.7
	% Fixture	77.9	1.6	79.5
Total	Lumens	4831.1	154.9	4986.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	77.4	1.6
20°-30°	236.0	4.7
30°-40°	528.0	10.6
40°-50°	870.1	17.5
50°-60°	1070.9	21.5
60°-70°	1038.6	20.8
70°-80°	719.3	14.4
80°-90°	275.3	5.5
90°-100°	79.0	1.6
100°-110°	34.2	0.7
110°-120°	18.5	0.4
120°-130°	11.4	0.2
130°-140°	7.1	0.1
140°-150°	3.5	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4831.1	96.9
0°-180°	4986.0	100.0



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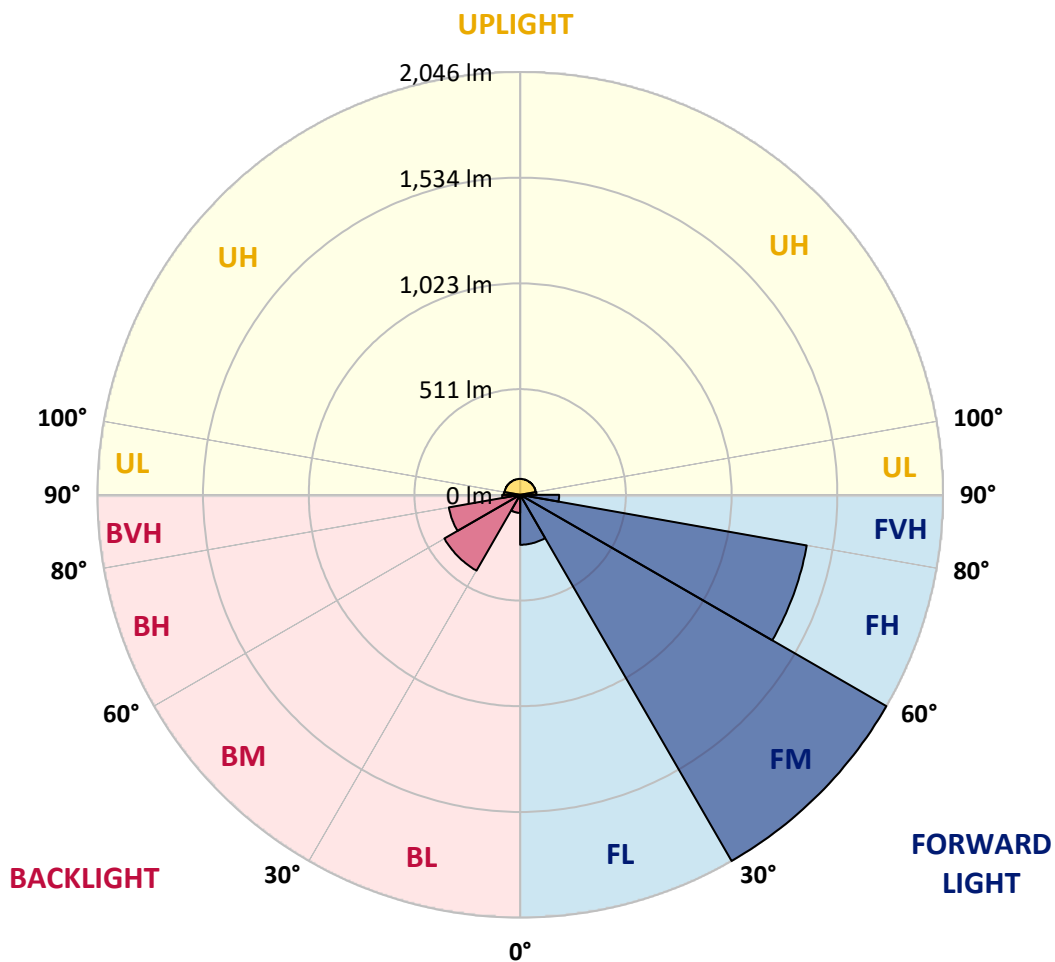
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.7	4.8			
FM	(30°-60°)	2045.8	41.0			
FH	(60°-80°)	1407.8	28.2			G1/1800
FVH	(80°-90°)	188.4	3.8			G2/225
BL	(0°-30°)	87.3	1.7	B0/110		
BM	(30°-60°)	423.2	8.5	B1/1000		
BH	(60°-80°)	350.1	7.0	B1/500		G1/500
BVH	(80°-90°)	86.9	1.7			G1/100
UL	(90°-100°)	79.0	1.6		U3/500	
UH	(100°-180°)	76.9	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°	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8
2.5°	161.8	160.6	160.6	160.0	157.7	155.3	151.8	147.6	144.1	141.7	139.4
5°	196.6	192.5	193.7	190.1	186.0	181.3	174.8	165.9	157.7	155.9	149.4
7.5°	238.6	233.3	235.0	230.9	223.2	213.2	204.3	191.3	178.9	174.8	165.3
10°	291.7	286.4	283.5	277.5	268.7	255.7	242.1	225.0	207.9	202.0	190.1
12.5°	354.9	350.8	346.6	338.4	324.2	307.7	290.5	271.6	249.2	241.5	223.2
15°	433.4	429.9	421.0	409.8	389.2	370.8	344.9	327.7	300.0	290.5	268.1
17.5°	521.4	514.3	505.5	489.0	465.3	442.3	420.5	391.5	361.4	353.7	326.0
20°	630.1	627.7	610.6	582.8	556.9	525.6	504.3	476.0	442.3	431.7	395.1
22.5°	758.8	754.1	734.0	692.1	653.1	613.0	595.8	566.3	542.1	527.3	479.5
25°	913.5	904.7	871.6	821.4	765.9	718.1	689.7	679.1	660.2	637.8	579.3
27.5°	1078.3	1078.9	1033.4	959.0	881.6	824.4	802.5	806.7	783.6	771.2	699.8
30°	1282.0	1267.3	1207.6	1116.1	1011.6	937.7	924.8	945.4	938.9	914.7	830.3
32.5°	1485.8	1480.4	1406.6	1281.4	1144.4	1063.5	1054.1	1099.0	1097.2	1073.0	965.5
35°	1688.9	1683.0	1591.5	1445.6	1283.2	1190.5	1182.2	1241.3	1262.5	1238.3	1117.9
37.5°	1893.2	1879.6	1787.5	1610.4	1414.9	1306.8	1310.4	1384.8	1434.4	1412.5	1264.9
40°	2073.3	2071.0	1963.5	1762.1	1541.9	1424.9	1448.5	1546.6	1607.4	1577.3	1414.3
42.5°	2211.5	2201.5	2106.4	1887.9	1655.8	1535.4	1576.1	1706.0	1784.0	1763.3	1561.3
45°	2275.3	2269.4	2193.2	1983.0	1744.4	1631.0	1695.4	1853.6	1959.9	1937.5	1712.5
47.5°	2258.2	2252.8	2211.5	2029.6	1802.9	1713.1	1800.5	1997.1	2144.8	2114.7	1863.1
50°	2155.4	2160.7	2147.7	2016.0	1823.5	1765.7	1900.3	2140.6	2325.5	2311.3	2008.4
52.5°	1967.6	1983.0	2003.6	1945.2	1804.6	1789.3	1972.3	2265.2	2505.0	2504.4	2169.6
55°	1723.7	1734.4	1806.4	1795.8	1732.6	1788.7	2025.5	2388.1	2707.0	2709.9	2336.1
57.5°	1465.1	1459.8	1555.4	1610.9	1627.5	1743.2	2051.5	2496.7	2885.3	2906.0	2512.1
60°	1182.2	1201.7	1291.5	1404.9	1466.9	1653.5	2042.6	2573.5	3057.1	3102.6	2672.1
62.5°	960.8	951.9	1050.5	1174.0	1299.7	1524.7	1978.2	2609.5	3220.7	3271.5	2819.7
65°	725.8	744.1	833.2	942.5	1091.9	1362.3	1874.3	2590.6	3321.7	3386.6	2912.5
67.5°	559.8	574.0	650.2	752.9	905.3	1189.9	1724.3	2502.6	3337.0	3435.7	2925.4
70°	432.9	444.1	497.8	585.2	730.5	999.8	1513.5	2334.9	3253.2	3330.0	2806.2
72.5°	344.9	349.6	387.4	458.2	576.9	815.5	1284.4	2071.5	2999.8	3068.4	2561.7
75°	271.0	278.1	308.8	362.0	450.6	651.9	1049.9	1750.3	2614.2	2685.1	2224.5
77.5°	215.5	222.6	245.7	282.9	349.6	502.5	820.2	1426.1	2134.1	2177.8	1772.2
80°	171.3	174.8	194.3	222.0	271.6	387.4	617.7	1082.4	1616.3	1661.7	1316.9
82.5°	129.9	132.9	152.4	176.6	212.0	293.5	446.4	761.2	1138.5	1150.9	894.0
85°	93.3	98.6	114.6	134.6	162.4	218.5	320.1	516.7	726.3	745.2	566.3
87.5°	66.1	68.5	84.4	103.3	124.0	161.8	222.6	340.1	447.0	441.7	343.7
90°	44.9	46.7	60.8	76.2	94.5	121.1	155.3	213.8	274.6	265.7	215.5
92.5°	30.1	33.1	44.9	57.9	73.8	93.3	110.4	140.0	170.1	161.8	137.0
95°	22.4	23.6	34.3	46.1	59.1	71.5	82.1	95.7	108.7	106.3	94.5
97.5°	17.7	18.9	27.8	37.8	47.8	57.9	63.8	68.5	75.6	75.0	67.9
100°	15.4	15.9	23.6	32.5	41.3	48.4	52.0	53.1	55.5	54.3	52.0
102.5°	13.0	14.2	20.7	28.3	36.0	41.3	43.7	42.5	41.9	40.7	38.4
105°	11.8	12.4	18.3	25.4	31.9	36.0	36.6	34.8	31.9	31.3	30.1
107.5°	11.2	11.8	16.5	23.0	28.3	31.9	31.3	28.9	25.4	24.2	23.6
110°	10.6	11.2	15.4	20.7	26.0	28.3	27.8	24.2	20.1	18.9	19.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	10.6	10.6	14.2	18.9	23.6	25.4	24.2	20.7	16.5	15.9	16.5
115°	10.0	10.6	13.6	17.7	21.3	23.0	21.3	17.7	14.2	13.6	14.2
117.5°	10.0	10.6	13.0	16.5	20.1	20.7	18.9	15.4	11.8	11.8	13.0
120°	10.0	10.6	12.4	15.4	18.3	18.9	17.1	13.6	10.6	10.6	11.8
122.5°	10.6	10.6	11.8	14.8	17.1	17.7	15.4	11.8	10.0	10.0	11.2
125°	10.6	10.6	11.8	13.6	15.9	15.9	14.2	10.6	8.9	8.9	10.6
127.5°	10.6	10.6	11.8	13.0	14.8	14.8	13.0	10.0	8.3	8.3	10.0
130°	10.6	11.2	11.2	12.4	13.6	13.6	11.8	8.9	8.3	8.3	9.4
132.5°	11.2	11.2	11.2	11.8	13.0	12.4	10.0	8.3	7.7	7.7	8.9
135°	10.6	10.6	10.6	11.2	11.8	11.2	8.9	7.1	7.1	7.7	8.3
137.5°	10.6	10.6	10.6	10.0	10.6	10.0	8.3	6.5	6.5	7.1	7.7
140°	9.4	10.0	9.4	9.4	9.4	8.9	7.1	5.3	5.9	6.5	6.5
142.5°	8.9	8.9	8.9	8.3	8.3	7.7	5.9	4.7	5.3	5.3	5.9
145°	8.3	8.3	7.7	7.1	7.1	5.9	4.7	4.1	4.7	4.7	5.3
147.5°	7.1	7.1	7.1	5.9	5.3	4.7	3.0	3.0	3.5	4.1	4.1
150°	5.9	5.9	5.9	5.3	4.1	3.5	2.4	3.0	3.0	3.0	3.5
152.5°	4.7	4.7	4.7	4.1	3.5	2.4	1.8	2.4	2.4	2.4	3.0
155°	3.0	3.0	3.0	3.0	2.4	1.2	1.8	1.8	2.4	2.4	2.4
157.5°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
160°	0.6	0.6	1.2	1.2	1.8	1.2	1.2	1.2	1.2	1.2	1.2
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°	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8
2.5°	137.6	135.8	132.9	129.9	127.0	124.0	121.6	121.1	119.3	119.3	118.7
5°	145.9	142.9	135.2	129.3	122.8	117.5	113.4	111.6	109.8	108.7	108.7
7.5°	160.6	154.1	142.9	132.9	124.0	116.3	111.0	108.1	105.7	104.5	104.5
10°	180.7	172.4	155.3	140.5	127.6	118.1	112.2	108.7	106.9	105.7	105.1
12.5°	210.2	198.4	173.6	152.4	135.8	124.0	116.3	114.0	114.6	114.6	114.6
15°	250.4	233.3	199.6	170.7	147.0	131.7	126.4	126.4	128.1	128.7	127.6
17.5°	302.3	279.3	232.1	189.0	161.2	145.3	139.4	139.4	142.3	144.1	144.1
20°	366.1	333.1	266.3	213.2	177.7	160.6	153.5	154.1	157.7	160.0	160.0
22.5°	439.3	400.4	310.0	238.0	196.1	174.2	166.5	167.1	173.0	176.0	177.2
25°	534.4	474.2	353.7	263.4	213.2	187.2	179.5	180.1	187.8	191.9	191.9
27.5°	634.8	556.3	398.0	288.2	227.9	199.0	191.3	193.1	201.4	204.9	206.1
30°	741.7	643.7	442.3	309.4	239.8	207.9	200.2	203.7	211.4	216.7	217.3
32.5°	860.4	729.3	477.7	326.6	249.8	215.5	207.9	213.2	219.7	225.6	226.2
35°	984.4	814.3	509.0	338.4	256.3	222.0	213.8	219.1	225.6	230.9	230.3
37.5°	1095.4	884.0	529.7	343.1	259.8	225.6	217.9	223.2	229.1	233.3	233.3
40°	1204.7	956.6	539.7	339.5	259.8	227.4	219.7	225.6	230.9	233.3	233.3
42.5°	1308.6	1010.4	538.0	332.5	258.6	227.9	220.9	226.2	230.9	232.1	232.1
45°	1398.4	1060.0	527.3	320.7	254.5	227.4	221.4	226.2	229.7	229.7	230.3
47.5°	1504.6	1099.0	512.0	308.3	249.8	226.2	220.3	225.6	228.5	228.5	227.9
50°	1600.3	1136.8	491.3	294.7	245.7	225.0	219.7	225.0	228.5	227.4	227.4
52.5°	1701.9	1170.4	470.1	282.3	241.5	224.4	219.7	225.0	228.5	227.9	228.5
55°	1795.8	1204.1	443.5	271.0	239.2	223.8	220.3	225.6	230.3	230.3	229.7
57.5°	1916.2	1221.8	422.8	263.4	236.8	223.8	220.9	226.8	232.7	233.3	233.8
60°	2001.3	1244.8	405.7	258.6	236.8	225.0	222.6	228.5	236.2	239.2	240.9
62.5°	2063.3	1243.6	385.0	256.3	237.4	226.2	224.4	230.3	240.3	244.5	246.8
65°	2095.8	1222.4	363.8	254.5	238.0	227.4	225.6	231.5	243.3	251.0	253.3
67.5°	2053.2	1165.1	341.9	251.6	237.4	226.8	226.2	232.7	245.1	255.1	256.3
70°	1949.9	1068.3	315.9	245.1	235.0	225.0	224.4	229.7	243.3	255.1	256.3
72.5°	1753.8	945.4	285.8	235.6	229.7	220.9	219.1	224.4	237.4	249.2	249.2
75°	1491.7	803.1	256.3	222.0	219.1	213.8	212.0	214.9	226.2	237.4	238.0
77.5°	1168.1	639.5	225.0	203.1	206.1	202.0	200.2	202.0	212.0	219.7	220.3
80°	888.7	487.2	194.9	180.7	187.8	186.6	184.8	184.2	191.3	197.2	195.5
82.5°	613.0	346.6	161.2	157.1	164.8	166.5	165.9	161.8	167.1	171.8	168.9
85°	395.6	245.1	134.6	132.9	140.0	142.9	142.3	139.4	140.5	145.9	140.0
87.5°	255.7	176.0	111.0	109.8	115.7	119.3	119.3	113.4	115.7	121.1	114.6
90°	160.0	124.6	92.7	92.1	96.3	98.0	95.7	92.1	93.3	96.3	93.9
92.5°	113.4	93.9	77.4	77.4	78.5	79.7	78.5	74.4	76.8	76.8	76.8
95°	82.7	74.4	67.3	66.1	65.5	65.0	64.4	61.4	63.8	63.2	61.4
97.5°	63.2	59.6	57.3	56.7	55.5	54.9	54.3	52.0	53.7	52.6	51.4
100°	49.6	49.0	49.0	49.0	47.8	46.1	46.1	45.5	45.5	43.7	43.7
102.5°	39.6	39.6	41.9	42.5	41.3	40.2	40.2	39.6	39.0	36.6	36.0
105°	31.3	32.5	36.0	36.6	36.0	34.8	34.3	34.3	33.1	30.1	30.1
107.5°	25.4	26.6	30.7	31.9	31.3	30.7	30.1	29.5	28.3	25.4	25.4
110°	20.7	22.4	26.0	27.8	27.2	26.6	26.6	25.4	24.2	21.8	21.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.7	19.5	22.4	24.2	24.2	23.6	23.0	22.4	20.7	18.9	18.9
115°	15.4	17.1	20.1	21.3	21.3	20.7	20.1	19.5	17.7	16.5	17.1
117.5°	14.2	15.4	17.7	18.9	18.9	18.3	17.7	17.1	15.9	15.4	15.4
120°	13.0	14.2	15.9	17.1	17.1	16.5	15.9	15.4	14.2	14.2	14.2
122.5°	11.8	13.0	14.8	15.4	15.4	14.8	14.2	13.6	12.4	13.0	13.0
125°	11.2	11.8	13.0	14.2	14.2	13.6	13.0	11.8	11.2	11.8	11.8
127.5°	10.6	11.2	12.4	13.0	13.0	12.4	11.2	10.6	10.0	10.6	10.6
130°	10.0	10.6	11.2	11.8	11.8	10.6	10.0	9.4	9.4	10.0	10.0
132.5°	9.4	10.0	10.0	10.6	10.6	10.0	8.9	8.3	8.3	8.9	8.9
135°	8.9	8.9	9.4	9.4	9.4	8.9	7.7	7.1	7.7	8.3	8.3
137.5°	7.7	8.3	8.3	8.9	8.3	7.7	6.5	6.5	7.1	7.1	7.1
140°	7.1	7.1	7.7	7.7	7.1	6.5	5.9	5.3	5.9	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	6.5	5.3	4.7	4.7	5.3	5.3	5.3
145°	5.3	5.3	5.9	5.3	5.3	4.1	3.5	4.1	4.7	4.7	4.7
147.5°	4.1	4.7	4.7	4.7	4.1	3.0	2.4	3.5	4.1	4.1	4.1
150°	3.5	3.5	3.5	3.5	3.5	2.4	1.8	3.0	3.5	3.5	3.5
152.5°	3.0	3.0	3.5	3.5	3.0	1.8	1.2	2.4	3.0	3.0	2.4
155°	2.4	2.4	3.0	3.0	2.4	1.2	1.2	1.8	2.4	2.4	1.8
157.5°	1.8	2.4	2.4	2.4	1.8	1.2	0.6	1.2	1.8	1.8	1.8
160°	1.8	1.8	1.8	2.4	1.8	1.2	0.6	1.2	1.8	1.2	1.2
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)