

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: P416546

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5992 lumens
Efficiency: N/A
Efficacy: 81.0 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: B1 - U3 - G3

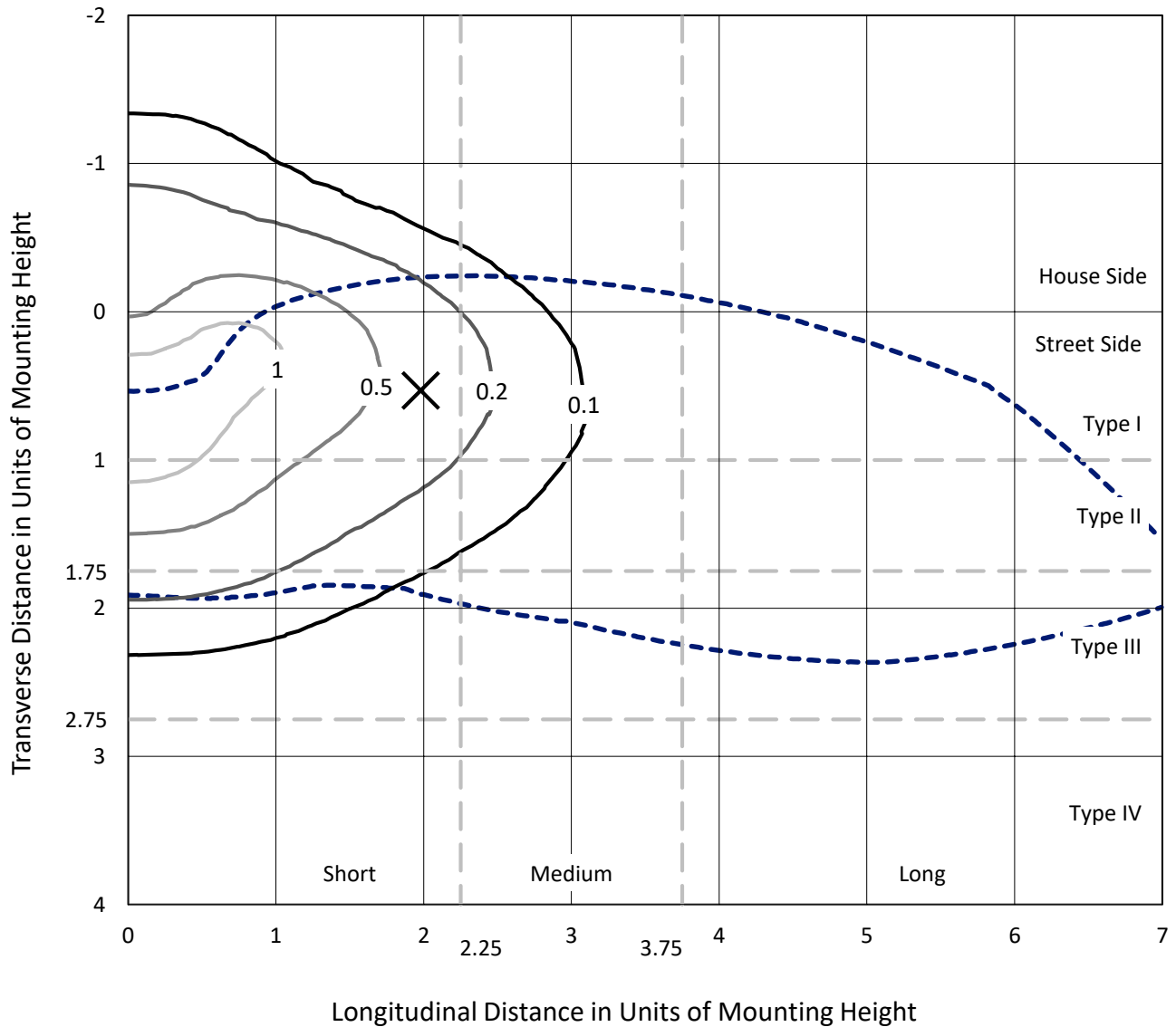
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

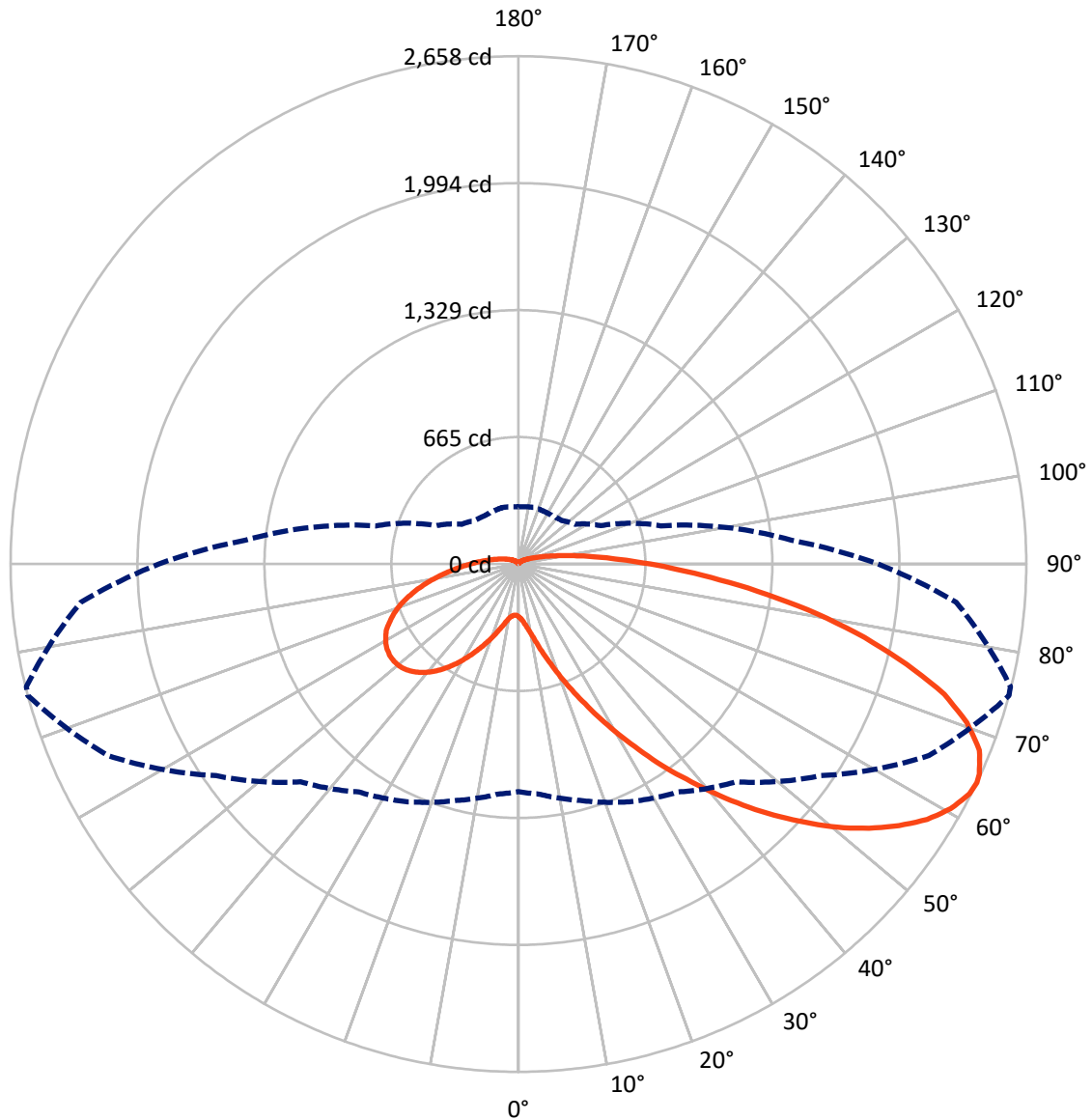


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1321.6	174.0	1495.6
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4231.6	264.8	4496.4
	% Fixture	70.6	4.4	75.0
Total	Lumens	5553.2	438.8	5992.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	0.5
10°-20°	120.9	2.0
20°-30°	306.0	5.1
30°-40°	599.2	10.0
40°-50°	932.2	15.6
50°-60°	1143.2	19.1
60°-70°	1111.3	18.5
70°-80°	838.1	14.0
80°-90°	473.2	7.9
90°-100°	223.2	3.7
100°-110°	107.8	1.8
110°-120°	56.6	0.9
120°-130°	30.5	0.5
130°-140°	14.9	0.2
140°-150°	5.1	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5553.2	92.7
0°-180°	5992.0	100.0



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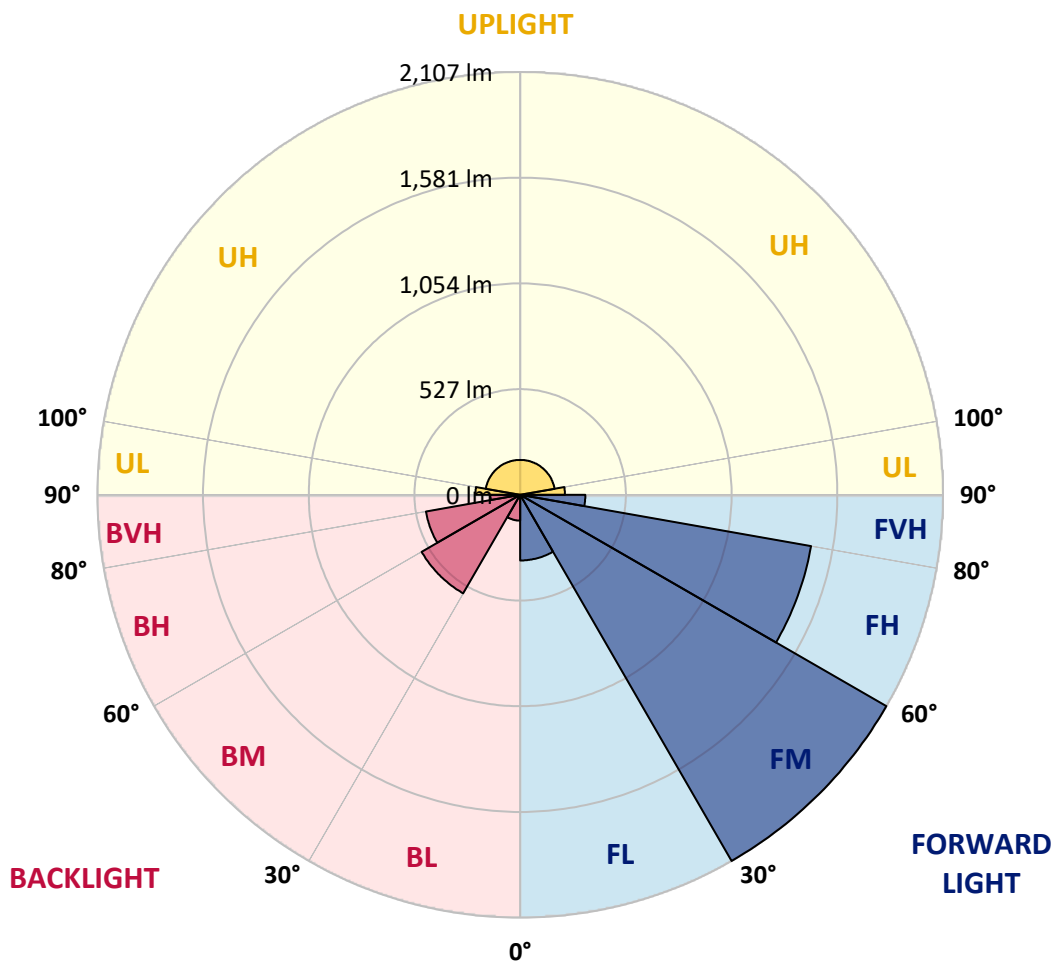
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.3	5.5			
FM	(30°-60°)	2107.4	35.2			
FH	(60°-80°)	1472.2	24.6			G1/1800
FVH	(80°-90°)	324.6	5.4			G3/500
BL	(0°-30°)	128.6	2.1	B1/500		
BM	(30°-60°)	567.2	9.5	B1/1000		
BH	(60°-80°)	477.2	8.0	B1/500		G1/500
BVH	(80°-90°)	148.7	2.5			G2/225
UL	(90°-100°)	223.2	3.7		U3/500	
UH	(100°-180°)	174.0	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3
2.5°	322.1	319.2	317.7	317.0	311.9	306.8	301.0	295.2	288.6	287.2	281.4
5°	372.2	368.6	367.1	362.8	355.5	346.8	334.4	322.8	308.3	309.0	295.9
7.5°	429.7	426.8	422.4	415.9	405.0	393.3	375.1	357.7	338.1	335.9	317.0
10°	495.1	492.9	488.6	478.4	464.6	444.9	426.8	400.6	373.0	371.5	343.9
12.5°	573.6	570.7	558.4	548.2	530.0	511.8	484.2	452.9	423.1	419.5	385.3
15°	662.3	658.0	649.2	633.2	613.6	583.8	554.7	523.5	484.2	477.7	437.7
17.5°	753.2	753.2	742.3	723.4	696.5	670.3	638.3	599.1	549.6	548.9	495.8
20°	867.3	865.9	849.2	821.5	794.6	767.0	728.5	684.1	628.9	623.8	559.1
22.5°	990.9	989.5	969.1	939.3	904.4	865.2	822.3	775.7	715.4	708.8	633.2
25°	1124.7	1124.0	1102.9	1057.1	1012.7	975.7	931.3	879.7	809.9	808.4	717.6
27.5°	1287.6	1279.6	1246.8	1190.9	1134.9	1086.9	1035.3	988.8	919.0	908.1	807.0
30°	1444.6	1440.2	1395.9	1335.5	1258.5	1195.2	1142.9	1107.3	1035.3	1025.1	911.7
32.5°	1606.7	1603.8	1550.0	1480.2	1385.0	1306.5	1265.7	1227.2	1158.1	1153.8	1014.9
35°	1786.3	1774.7	1712.9	1616.9	1506.4	1418.4	1382.1	1364.6	1296.3	1280.3	1128.3
37.5°	1933.2	1924.4	1868.4	1751.4	1621.3	1526.7	1499.1	1487.5	1428.6	1422.1	1251.2
40°	2074.9	2068.4	2000.0	1873.5	1725.2	1630.7	1603.1	1622.7	1575.5	1565.3	1374.8
42.5°	2177.4	2168.7	2105.5	1971.0	1815.4	1715.8	1715.0	1760.1	1726.0	1715.0	1502.8
45°	2238.5	2229.8	2177.4	2048.0	1885.9	1789.9	1806.7	1885.9	1875.7	1862.6	1619.8
47.5°	2244.3	2239.2	2201.4	2081.5	1928.8	1848.1	1896.1	2009.5	2020.4	2008.0	1744.9
50°	2191.2	2196.3	2172.3	2077.1	1944.1	1885.9	1968.8	2126.5	2166.5	2152.0	1869.2
52.5°	2090.9	2085.1	2095.3	2027.7	1928.1	1899.0	2018.2	2224.7	2298.1	2283.6	1984.0
55°	1923.7	1928.1	1963.7	1938.2	1877.9	1883.7	2048.0	2302.5	2417.3	2405.7	2088.0
57.5°	1747.8	1737.6	1801.6	1805.9	1789.2	1843.0	2051.7	2361.4	2522.8	2510.4	2177.4
60°	1517.3	1542.0	1599.4	1648.9	1678.0	1775.4	2027.7	2391.9	2599.8	2596.2	2249.4
62.5°	1318.1	1323.2	1401.0	1475.9	1545.6	1680.1	1974.6	2391.2	2650.0	2645.6	2292.3
64°	1191.6	1208.3	1281.7	1372.6	1456.2	1611.8	1931.0	2370.8	2658.0	2654.4	2299.6
65°	1122.5	1120.3	1208.3	1299.9	1390.1	1560.2	1886.6	2349.0	2650.7	2650.7	2296.7
67.5°	932.8	940.0	1017.1	1122.5	1233.8	1423.5	1773.2	2271.2	2602.7	2607.8	2254.5
70°	769.2	780.1	864.4	958.2	1081.1	1286.1	1632.9	2130.9	2490.1	2497.3	2163.6
72.5°	634.7	647.0	708.8	803.4	939.3	1141.4	1474.4	1955.0	2330.8	2333.7	2011.7
75°	516.2	530.0	592.5	674.7	792.5	985.8	1301.4	1763.8	2098.9	2113.5	1815.4
77.5°	420.2	434.8	492.2	566.4	678.3	843.3	1129.8	1542.7	1852.5	1861.2	1590.7
80°	339.5	354.8	405.7	475.5	572.9	718.3	969.1	1316.6	1586.4	1586.4	1359.5
82.5°	275.5	288.6	334.4	394.8	483.5	606.3	814.3	1094.2	1311.5	1312.3	1123.2
85°	222.5	230.5	275.5	328.6	402.0	508.2	673.2	890.6	1057.8	1042.5	905.1
87.5°	178.8	186.1	223.9	275.5	333.7	423.9	552.5	724.8	831.7	836.8	722.7
90°	144.0	148.3	183.2	226.8	280.6	350.4	449.3	576.5	654.3	647.8	566.4
92.5°	117.1	122.1	151.9	191.2	236.3	294.4	370.1	456.6	506.7	508.2	442.8
95°	96.0	98.9	126.5	161.4	202.1	246.5	301.7	363.5	397.7	393.3	344.6
97.5°	80.0	81.4	106.9	138.1	171.6	207.9	251.5	289.4	308.3	305.3	269.7
100°	67.6	69.1	90.9	120.0	148.3	177.4	207.9	233.4	239.9	236.3	212.3
102.5°	58.9	59.6	77.8	104.0	128.0	151.9	173.0	189.0	188.3	188.3	167.9
105°	51.6	52.3	67.6	90.9	112.7	131.6	146.1	154.1	151.2	149.8	134.5
107.5°	46.5	47.3	59.6	80.0	99.6	114.1	125.0	127.2	121.4	120.0	109.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	42.2	42.2	52.3	70.5	88.0	99.6	106.9	106.9	98.1	97.4	90.2
112.5°	38.5	39.3	47.3	62.5	77.8	88.0	92.3	88.7	80.7	80.0	76.3
115°	35.6	36.4	42.2	56.0	69.1	77.8	80.0	74.9	66.9	66.2	63.3
117.5°	33.4	34.2	38.5	49.4	61.8	68.3	69.1	64.0	56.0	55.3	54.5
120°	32.0	32.0	35.6	44.3	54.5	60.3	59.6	54.5	48.0	47.3	47.3
122.5°	30.5	30.5	32.7	39.3	48.0	53.1	52.3	46.5	40.7	40.7	40.7
125°	29.1	29.1	30.5	35.6	42.9	46.5	45.1	40.0	34.9	34.9	36.4
127.5°	27.6	27.6	28.4	31.3	37.8	40.0	38.5	33.4	30.5	30.5	31.3
130°	26.2	26.2	26.2	28.4	32.7	34.2	32.7	28.4	26.2	26.2	27.6
132.5°	24.7	24.7	24.7	24.7	27.6	29.1	26.9	23.3	22.5	23.3	24.0
135°	23.3	23.3	22.5	21.8	23.3	24.0	21.8	19.6	19.6	19.6	21.1
137.5°	21.8	21.1	20.4	19.6	18.9	18.9	17.4	15.3	16.7	16.7	18.2
140°	19.6	18.9	18.2	16.7	15.3	14.5	13.1	12.4	13.8	13.8	14.5
142.5°	17.4	16.7	16.0	13.8	11.6	10.2	8.7	9.5	10.9	10.9	11.6
145°	14.5	14.5	13.1	10.9	8.7	7.3	5.8	6.5	8.0	8.0	8.7
147.5°	12.4	11.6	10.9	8.7	5.8	4.4	2.9	4.4	5.8	5.8	6.5
150°	9.5	8.7	8.0	5.8	3.6	1.5	1.5	2.9	3.6	3.6	4.4
152.5°	6.5	6.5	5.8	3.6	1.5	0.0	0.7	1.5	2.2	2.2	2.9
155°	4.4	3.6	2.9	2.2	0.7	0.0	0.0	0.7	1.5	1.5	1.5
157.5°	2.2	2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	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°	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3	276.3
2.5°	277.7	274.8	268.3	262.5	256.6	251.5	248.6	245.0	244.3	243.6	243.6
5°	287.9	281.4	268.3	255.9	244.3	234.8	227.6	220.3	216.7	215.2	214.5
7.5°	305.3	295.2	274.1	255.2	237.7	223.2	211.6	202.8	197.8	194.8	194.1
10°	329.3	314.8	285.7	259.5	236.3	217.4	202.8	192.7	186.1	183.2	182.5
12.5°	367.1	343.9	307.5	270.5	239.9	216.7	199.9	189.0	186.1	183.2	183.2
15°	410.0	386.8	336.6	290.8	251.5	221.0	206.5	199.2	194.8	192.7	191.9
17.5°	465.3	429.7	369.3	312.6	266.1	237.0	218.1	210.1	205.7	203.6	202.8
20°	522.0	479.8	405.7	336.6	285.7	255.9	233.4	221.0	216.7	214.5	213.7
22.5°	589.6	538.7	443.5	362.1	308.3	273.4	247.9	233.4	228.3	226.1	226.8
25°	658.7	604.2	484.2	389.0	329.3	287.9	261.7	245.0	241.4	238.5	238.5
27.5°	743.0	670.3	525.6	419.5	347.5	301.0	274.1	257.4	250.8	250.8	250.1
30°	831.7	740.8	570.7	445.7	363.5	312.6	283.5	268.3	261.7	261.0	261.0
32.5°	918.2	816.4	615.1	471.8	375.9	320.6	292.3	277.7	269.7	269.0	269.7
35°	1019.3	893.5	656.5	492.9	386.8	327.2	298.8	285.7	277.0	276.3	276.3
37.5°	1115.3	972.8	696.5	509.6	394.0	331.5	303.9	292.3	282.8	282.1	281.4
40°	1215.6	1047.6	732.8	523.5	397.7	334.4	306.8	296.6	287.9	285.0	285.0
42.5°	1317.4	1123.2	763.4	531.5	399.9	335.2	309.0	299.5	291.5	286.4	286.4
45°	1412.6	1188.0	788.8	535.8	399.9	335.9	310.4	301.7	294.4	287.9	287.2
47.5°	1517.3	1253.4	808.4	536.5	397.7	334.4	311.2	303.9	295.9	288.6	287.9
50°	1608.9	1315.2	820.8	534.4	394.8	333.7	311.9	304.6	298.1	289.4	289.4
52.5°	1689.6	1364.6	826.6	528.5	391.1	332.2	311.9	306.1	300.3	290.8	290.1
55°	1760.8	1403.2	825.9	519.8	385.3	330.1	311.2	306.1	301.7	291.5	291.5
57.5°	1821.9	1430.1	819.4	509.6	379.5	328.6	311.2	306.8	303.2	293.7	293.7
60°	1863.4	1445.3	806.3	497.3	373.7	325.7	310.4	307.5	305.3	295.9	296.6
62.5°	1883.0	1443.1	785.9	484.2	367.1	322.8	309.0	306.8	306.1	298.8	298.8
64°	1881.5	1433.0	772.1	474.7	362.8	321.3	308.3	306.1	306.8	300.3	300.3
65°	1872.1	1418.4	757.6	467.5	359.1	319.9	306.8	305.3	306.8	300.3	300.3
67.5°	1826.3	1373.3	720.5	449.3	349.7	313.3	302.4	301.7	303.9	299.5	298.8
70°	1735.4	1302.1	680.5	426.0	338.1	306.1	295.9	295.2	298.1	294.4	293.0
72.5°	1611.8	1203.2	631.8	402.0	324.3	295.9	287.2	286.4	287.9	285.7	283.5
75°	1456.2	1086.9	577.3	375.1	309.0	282.8	274.8	273.4	275.5	272.6	271.2
77.5°	1283.2	958.2	519.8	346.8	289.4	268.3	260.3	258.1	258.1	254.5	250.8
80°	1092.7	826.6	462.4	317.7	269.0	250.1	243.6	240.6	238.5	232.6	229.0
82.5°	912.4	703.0	403.5	287.9	247.2	230.5	223.9	220.3	215.2	207.9	202.8
85°	742.3	585.3	349.7	255.9	225.4	209.4	204.3	197.8	191.2	183.2	176.7
87.5°	596.2	479.1	301.7	227.6	200.7	188.3	182.5	173.8	167.2	158.5	152.7
90°	473.3	392.6	258.1	199.9	178.8	167.9	162.9	154.1	144.7	135.2	130.1
92.5°	381.7	319.9	222.5	176.7	159.9	150.5	144.0	135.2	124.3	114.9	111.2
95°	303.2	258.8	189.8	156.3	141.8	133.0	126.5	118.5	106.9	96.0	93.1
97.5°	239.9	213.0	162.1	137.4	125.8	118.5	111.2	104.0	92.3	81.4	80.0
100°	192.7	173.0	138.9	121.4	111.2	104.7	98.9	90.9	80.0	68.3	68.3
102.5°	155.6	143.2	119.2	106.9	98.9	93.1	87.2	80.0	69.1	58.9	58.2
105°	127.2	118.5	102.5	94.5	88.0	83.6	77.8	69.8	59.6	50.2	49.4
107.5°	106.1	98.1	88.7	83.6	78.5	74.2	69.8	61.8	51.6	43.6	43.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	87.2	84.3	77.1	73.4	70.5	66.2	61.8	53.8	44.3	38.5	38.5
112.5°	74.2	71.2	67.6	65.4	62.5	59.6	54.5	47.3	38.5	34.2	34.2
115°	62.5	61.1	58.9	57.4	56.0	53.1	48.0	40.7	32.7	29.8	30.5
117.5°	54.5	53.8	52.3	51.6	50.2	46.5	42.2	35.6	28.4	26.9	26.9
120°	47.3	47.3	45.8	45.8	44.3	41.4	36.4	30.5	24.7	24.0	24.0
122.5°	41.4	41.4	40.7	40.7	39.3	36.4	32.0	26.2	21.1	21.1	21.8
125°	36.4	36.4	35.6	35.6	34.9	32.0	27.6	22.5	18.9	18.9	18.9
127.5°	32.0	32.0	32.0	31.3	29.8	27.6	23.3	18.9	16.7	16.7	16.7
130°	28.4	28.4	27.6	27.6	26.2	23.3	19.6	16.0	13.8	15.3	15.3
132.5°	24.7	24.7	24.7	23.3	21.8	19.6	16.0	13.1	12.4	13.1	13.1
135°	21.1	21.8	21.1	20.4	18.9	16.0	13.1	10.9	10.9	11.6	11.6
137.5°	18.2	18.2	18.2	16.7	15.3	13.1	10.2	8.7	9.5	10.2	10.2
140°	15.3	15.3	14.5	13.8	12.4	10.2	8.0	6.5	8.0	8.7	8.7
142.5°	12.4	12.4	11.6	10.9	8.7	7.3	5.1	5.1	6.5	7.3	7.3
145°	9.5	9.5	8.7	8.0	6.5	4.4	3.6	4.4	5.8	5.8	5.8
147.5°	6.5	6.5	6.5	5.1	3.6	2.2	1.5	2.9	4.4	4.4	5.1
150°	4.4	4.4	4.4	3.6	2.2	0.7	0.7	2.2	2.9	3.6	3.6
152.5°	2.9	2.9	2.9	2.2	1.5	0.0	0.0	1.5	2.2	2.2	2.2
155°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.7	1.5	1.5	1.5
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.5	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	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)