

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: P416544

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416544
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-PA1-70-830-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 6142 lumens
Efficiency: N/A
Efficacy: 83.0 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

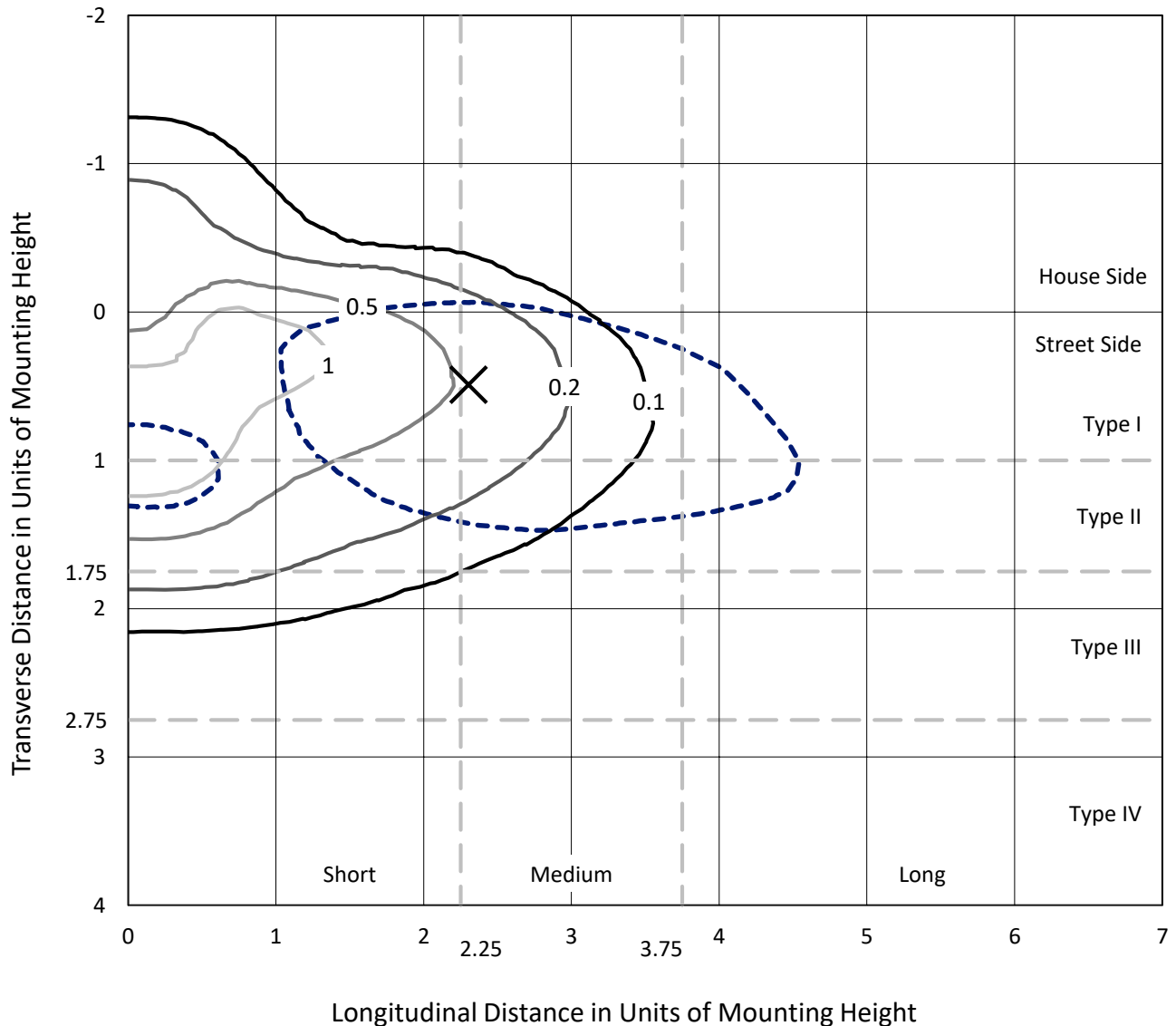
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

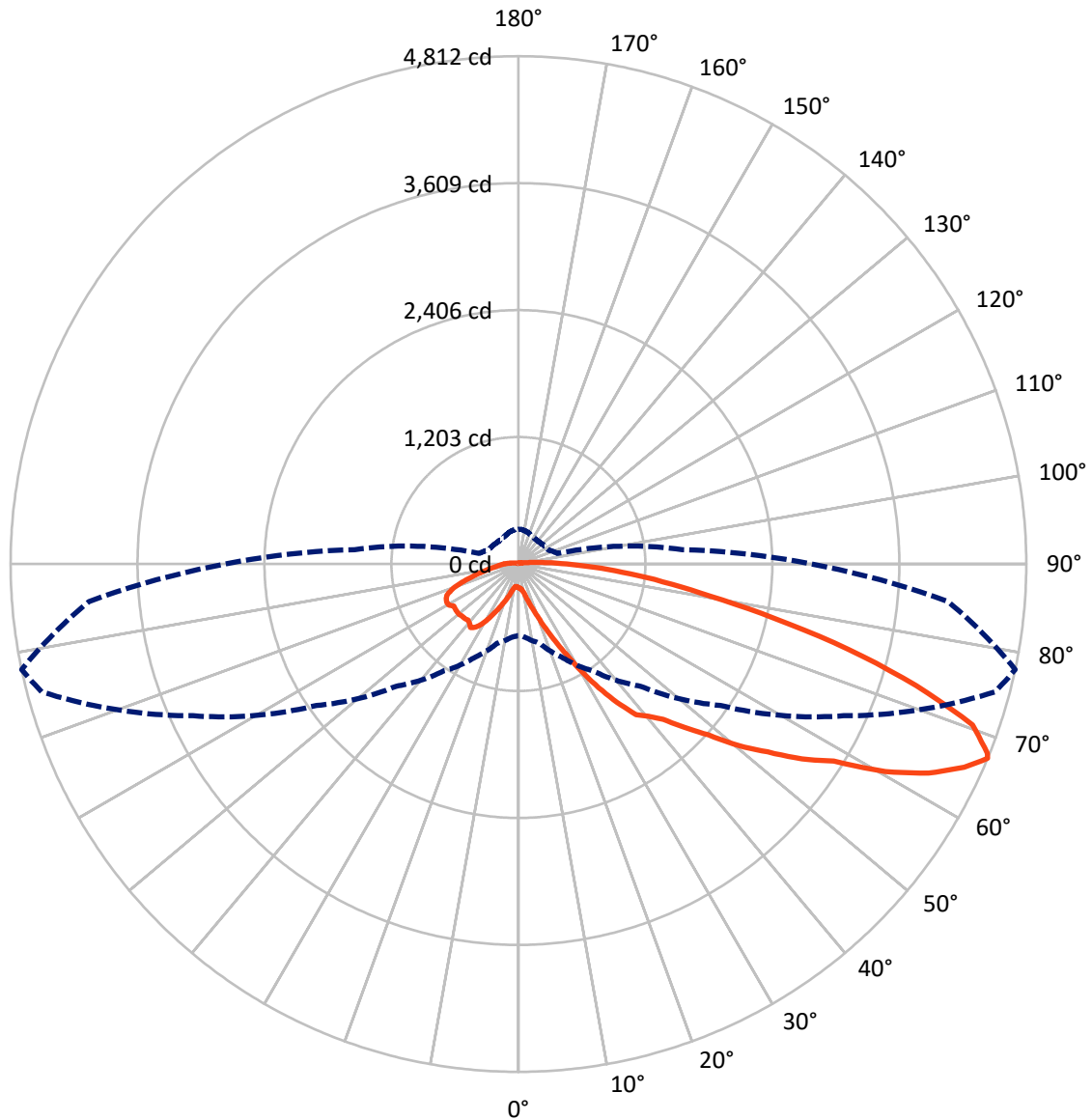
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	1136.3	92.9	1229.2
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	4813.8	99.0	4912.8
	% Fixture	78.4	1.6	80.0
Total	Lumens	5950.1	191.9	6142.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.4
10°-20°	95.5	1.6
20°-30°	286.6	4.7
30°-40°	656.0	10.7
40°-50°	1047.8	17.1
50°-60°	1291.3	21.0
60°-70°	1345.9	21.9
70°-80°	872.7	14.2
80°-90°	331.8	5.4
90°-100°	102.5	1.7
100°-110°	39.4	0.6
110°-120°	21.2	0.3
120°-130°	14.1	0.2
130°-140°	9.3	0.2
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°	5950.1	96.9
0°-180°	6142.0	100.0

Coefficient of Utilization



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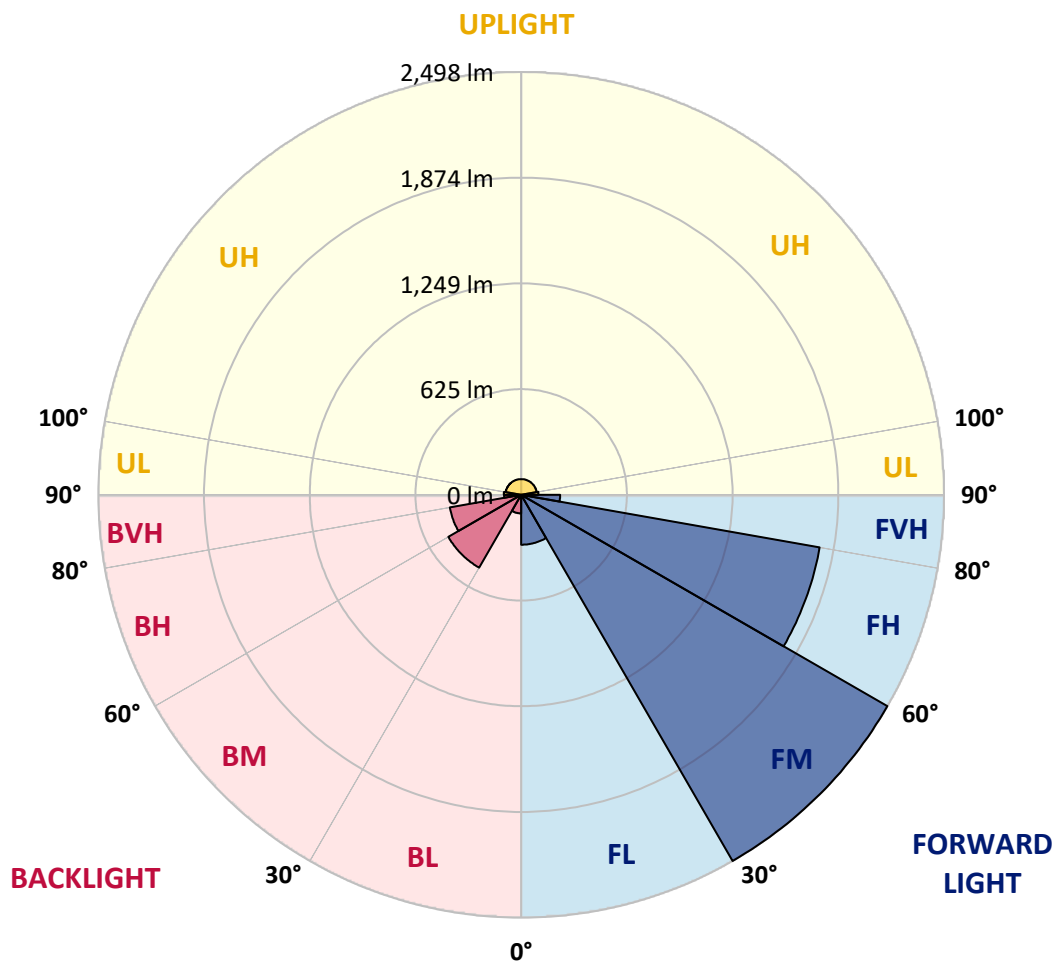
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.9	4.8			
FM (30°-60°)	2498.3	40.7			
FH (60°-80°)	1790.5	29.2			G1/1800
FVH (80°-90°)	230.1	3.7			G3/500
BL (0°-30°)	109.8	1.8	B0/110		
BM (30°-60°)	496.8	8.1	B1/1000		
BH (60°-80°)	428.1	7.0	B1/500		G1/500
BVH (80°-90°)	101.6	1.7			G2/225
UL (90°-100°)	102.5	1.7		U3/500	
UH (100°-180°)	92.9	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°	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9
2.5°	253.0	252.3	251.5	250.1	247.2	244.3	239.9	234.1	229.7	229.0	224.6
5°	285.0	282.8	282.8	279.2	273.4	267.5	258.8	248.6	240.6	236.3	229.7
7.5°	324.2	319.9	321.3	315.5	307.5	297.3	283.5	269.7	254.4	250.1	240.6
10°	371.5	368.6	365.7	358.4	349.0	333.0	319.9	299.5	279.2	273.4	258.8
12.5°	428.9	429.7	420.9	412.9	396.9	380.9	365.0	345.3	322.8	316.2	297.3
15°	509.6	508.9	499.4	481.3	461.6	444.2	431.1	410.0	388.2	380.9	352.6
17.5°	604.1	602.0	594.7	562.7	543.1	529.3	510.4	497.3	466.0	458.0	423.1
20°	742.3	729.2	712.5	669.6	640.5	623.0	607.8	591.0	557.6	543.8	502.4
22.5°	895.7	902.2	871.7	805.5	756.8	724.8	708.8	700.1	674.7	665.2	602.7
25°	1086.1	1086.1	1038.2	965.5	902.2	842.6	839.0	849.1	815.0	808.4	742.3
27.5°	1286.8	1294.8	1231.5	1153.7	1057.8	988.0	984.4	993.1	990.2	971.3	876.8
30°	1515.8	1508.5	1437.3	1342.8	1215.5	1133.4	1123.2	1186.5	1191.5	1178.5	1075.2
32.5°	1782.6	1776.8	1687.4	1541.2	1384.2	1289.7	1296.2	1385.7	1420.6	1398.0	1277.3
35°	2106.8	2114.1	1973.8	1768.1	1560.9	1451.8	1459.1	1571.0	1636.5	1608.8	1472.9
37.5°	2439.8	2442.0	2313.3	2034.9	1750.6	1595.8	1613.2	1749.9	1834.2	1811.7	1624.8
40°	2650.6	2672.4	2548.8	2284.2	1950.5	1739.7	1754.2	1889.5	1938.9	1896.7	1677.2
42.5°	2835.3	2852.0	2726.2	2442.0	2102.5	1868.4	1863.3	1965.8	2037.0	2010.9	1784.8
45°	2926.2	2958.9	2845.5	2551.8	2209.3	1968.7	1929.4	2082.8	2241.3	2208.6	1959.3
47.5°	2860.0	2900.0	2852.0	2609.2	2257.3	2032.0	2040.7	2251.5	2456.5	2420.2	2149.7
50°	2644.1	2692.1	2708.1	2566.3	2269.7	2063.2	2156.3	2439.8	2714.6	2707.3	2383.8
52.5°	2383.8	2409.3	2479.1	2436.9	2223.9	2099.6	2281.3	2622.3	2980.7	2958.1	2577.9
55°	2143.2	2176.6	2234.1	2209.3	2110.5	2103.9	2380.2	2825.8	3263.5	3260.6	2822.2
57.5°	1811.7	1858.2	1978.9	1992.7	1963.6	2077.0	2452.2	2985.8	3513.6	3523.8	3067.2
60°	1390.7	1430.0	1613.2	1759.3	1784.8	2013.8	2488.5	3161.7	3941.0	3994.1	3495.4
62.5°	1127.6	1134.8	1273.7	1456.2	1629.2	1898.2	2494.3	3384.2	4314.7	4362.7	3752.0
65°	844.0	842.6	970.5	1178.5	1419.1	1763.0	2476.1	3454.0	4517.6	4640.4	3997.0
67°	678.3	694.3	776.4	974.2	1237.3	1636.5	2335.1	3402.3	4676.8	4812.0	4086.4
67.5°	652.1	660.1	735.0	921.8	1195.9	1598.7	2293.7	3389.3	4676.0	4790.9	4059.5
70°	520.5	531.4	586.0	709.5	956.7	1350.8	2002.1	3085.4	4399.1	4566.3	3813.1
72.5°	402.0	410.8	449.3	543.1	728.5	1087.6	1656.1	2655.0	3809.5	3941.8	3233.0
75°	306.1	309.0	345.3	409.3	556.2	829.5	1278.8	2090.8	3132.6	3233.0	2627.4
77.5°	237.0	243.5	271.2	314.1	412.9	624.5	962.5	1628.5	2492.1	2476.9	1997.8
80°	184.7	190.5	210.8	240.6	309.7	458.7	704.5	1203.9	1820.4	1838.6	1462.7
82.5°	148.3	152.7	166.5	188.3	238.5	349.0	514.7	900.0	1384.2	1377.7	1072.3
85°	118.5	121.4	131.6	150.5	183.9	264.6	380.2	668.8	977.1	985.1	732.1
87.5°	92.3	96.0	107.6	119.2	145.4	201.4	280.6	463.8	649.9	656.5	503.1
90°	72.0	74.2	84.3	96.7	117.8	152.7	202.8	317.7	418.7	410.8	323.5
92.5°	53.1	55.3	64.7	76.3	91.6	117.8	146.1	203.6	245.0	250.1	202.1
95°	37.8	40.0	48.0	56.7	69.8	89.4	104.0	129.4	150.5	146.1	129.4
97.5°	29.1	29.8	35.6	42.2	53.1	69.1	77.1	89.4	98.9	96.7	90.1
100°	23.3	24.0	28.4	32.0	41.4	54.5	61.8	68.3	74.2	72.0	69.1
102.5°	19.6	20.4	23.3	26.2	34.2	45.8	50.2	54.5	56.7	56.7	55.3
105°	16.7	17.4	19.6	22.5	29.1	37.8	40.7	42.9	45.1	44.3	44.3
107.5°	15.3	15.3	17.4	19.6	25.4	32.0	33.4	34.2	34.9	34.9	36.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	13.8	14.5	16.0	17.4	22.5	28.4	28.4	27.6	27.6	27.6	29.8
112.5°	13.1	13.8	14.5	16.7	21.1	24.7	24.0	22.5	22.5	23.3	25.4
115°	13.1	13.1	13.8	16.0	19.6	22.5	21.1	18.9	18.9	19.6	21.8
117.5°	13.1	13.1	14.5	16.0	18.9	20.4	18.9	16.7	16.0	16.7	18.9
120°	13.8	13.8	14.5	16.0	17.4	18.9	17.4	15.3	14.5	15.3	17.4
122.5°	14.5	14.5	14.5	16.0	16.7	17.4	16.0	13.8	13.1	13.8	16.0
125°	15.3	15.3	15.3	16.0	16.7	16.0	14.5	13.1	13.1	13.1	15.3
127.5°	16.7	16.7	16.7	16.7	16.0	15.3	13.8	12.4	13.1	13.1	14.5
130°	18.2	18.2	17.4	16.7	16.0	14.5	13.1	11.6	12.4	13.1	14.5
132.5°	18.9	18.2	17.4	16.0	15.3	13.1	11.6	10.9	11.6	12.4	13.8
135°	17.4	17.4	16.0	14.5	13.8	11.6	10.2	10.2	10.9	11.6	12.4
137.5°	15.3	15.3	14.5	13.1	12.4	10.9	9.5	8.7	10.2	10.9	11.6
140°	13.1	13.1	12.4	10.9	10.2	9.5	8.0	7.3	8.7	9.5	10.2
142.5°	10.9	10.9	10.2	8.7	8.7	8.0	6.5	6.5	8.0	8.0	8.7
145°	8.7	8.7	8.7	7.3	7.3	6.5	5.1	5.8	6.5	7.3	7.3
147.5°	7.3	7.3	7.3	5.8	5.8	5.1	3.6	4.4	5.1	5.8	5.8
150°	5.8	5.8	5.8	5.1	4.4	3.6	2.9	3.6	3.6	4.4	4.4
152.5°	4.4	4.4	4.4	3.6	3.6	2.2	2.2	2.9	2.9	3.6	3.6
155°	2.9	2.9	3.6	2.9	2.2	1.5	2.2	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
160°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9	223.9
2.5°	222.5	221.0	217.4	213.7	210.1	207.2	203.6	202.8	202.8	201.4	201.4
5°	225.4	221.0	212.3	205.0	197.0	190.5	185.4	183.2	181.0	179.6	178.1
7.5°	231.9	224.6	210.1	198.5	186.8	176.7	169.4	165.8	163.6	161.4	162.1
10°	247.2	236.3	215.2	196.3	178.8	165.0	156.3	151.9	150.5	148.3	148.3
12.5°	279.9	265.4	234.8	202.8	175.9	157.0	146.9	145.4	146.9	149.0	149.0
15°	331.5	309.7	265.4	221.0	182.5	155.6	149.8	154.1	159.2	162.1	162.1
17.5°	394.8	365.0	301.7	242.1	191.9	168.7	161.4	167.2	173.8	178.1	178.1
20°	464.6	424.6	338.8	260.3	205.7	186.8	178.8	183.9	192.7	199.2	198.5
22.5°	555.4	497.3	381.7	276.3	222.5	203.6	198.5	205.0	218.1	226.8	227.5
25°	668.1	588.1	431.8	297.3	237.7	218.1	219.6	231.2	248.6	258.1	258.1
27.5°	788.1	687.0	474.7	318.4	253.7	233.4	240.6	256.6	275.5	286.4	287.9
30°	946.5	814.2	528.5	339.5	267.5	248.6	257.4	276.3	290.1	296.6	297.3
32.5°	1107.9	934.9	571.4	361.3	280.6	259.5	267.5	285.7	298.1	305.3	304.6
35°	1254.1	1032.3	596.9	371.5	292.3	267.5	271.2	290.8	298.1	302.4	301.7
37.5°	1366.0	1102.1	606.3	373.7	296.6	271.2	272.6	289.3	299.5	307.5	306.1
40°	1384.9	1092.7	570.7	360.6	295.9	271.2	274.1	293.0	303.9	307.5	306.8
42.5°	1454.7	1118.8	540.2	337.3	287.2	270.4	277.0	294.4	299.5	297.3	295.2
45°	1576.1	1174.1	531.4	325.7	276.3	268.3	278.4	290.8	290.1	285.7	284.3
47.5°	1696.1	1227.2	512.5	320.6	273.4	267.5	277.7	286.4	288.6	284.3	282.8
50°	1848.8	1297.7	497.3	313.3	274.1	267.5	276.3	286.4	287.9	280.6	279.9
52.5°	1985.4	1346.4	474.7	306.8	274.8	269.7	276.3	286.4	287.2	279.9	278.4
55°	2127.9	1398.0	451.5	300.2	277.0	271.9	278.4	287.2	287.9	282.8	281.3
57.5°	2270.4	1443.1	425.3	295.2	279.2	276.3	279.9	287.9	293.7	292.3	292.3
60°	2561.2	1572.5	420.9	295.9	281.3	279.9	281.3	291.5	302.4	298.8	299.5
62.5°	2676.1	1600.1	412.9	305.3	287.9	282.8	283.5	294.4	306.1	311.2	310.4
65°	2780.8	1602.3	396.9	311.9	295.9	285.0	285.0	295.2	314.8	326.4	326.4
67°	2774.9	1558.7	385.3	312.6	299.5	287.2	284.3	295.2	315.5	328.6	329.3
67.5°	2741.5	1530.3	380.9	312.6	300.2	287.2	283.5	294.4	315.5	329.3	329.3
70°	2540.1	1381.3	352.6	304.6	298.1	283.5	279.2	287.2	311.2	330.1	330.1
72.5°	2103.9	1137.0	312.6	285.0	284.3	274.1	267.5	276.3	299.5	319.2	318.4
75°	1700.4	908.7	272.6	255.9	263.2	255.9	250.8	257.4	279.9	299.5	298.1
77.5°	1270.8	682.6	235.5	228.3	238.5	233.4	229.0	235.5	257.4	276.3	273.4
80°	939.3	526.3	205.0	202.1	209.4	207.9	206.5	209.4	228.3	240.6	238.5
82.5°	691.4	400.6	176.7	174.5	183.2	183.2	183.2	185.4	199.2	203.6	201.4
85°	491.4	301.7	155.6	149.8	157.0	160.7	162.8	163.6	170.8	171.6	166.5
87.5°	346.1	237.7	139.6	127.2	130.9	138.9	142.5	141.8	144.7	142.5	137.4
90°	241.4	186.8	126.5	108.3	108.3	116.3	122.1	121.4	122.1	116.3	111.2
92.5°	170.1	141.0	106.9	89.4	88.0	96.0	101.1	100.3	100.3	94.5	89.4
95°	114.1	104.0	85.1	72.0	69.8	76.3	81.4	80.0	80.0	74.2	72.0
97.5°	84.3	79.2	69.8	61.1	56.7	60.3	64.0	64.0	64.7	61.1	58.9
100°	66.2	64.0	59.6	52.3	48.0	48.7	50.9	50.9	53.8	50.9	49.4
102.5°	55.3	53.8	50.2	45.1	41.4	40.7	42.2	42.9	46.5	44.3	43.6
105°	45.8	45.1	42.9	38.5	35.6	35.6	35.6	36.3	40.0	38.5	38.5
107.5°	37.1	37.1	37.1	33.4	31.3	31.3	30.5	31.3	34.2	34.2	34.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.3	31.3	32.0	29.1	27.6	27.6	26.9	27.6	30.5	31.3	31.3
112.5°	26.9	26.9	27.6	26.2	24.7	24.7	24.0	24.0	26.9	29.1	29.1
115°	23.3	24.0	24.0	23.3	22.5	21.8	21.1	21.8	24.7	26.9	26.9
117.5°	20.4	21.1	21.8	21.1	20.4	19.6	18.9	19.6	22.5	25.4	25.4
120°	18.2	18.9	19.6	19.6	18.9	18.2	16.7	18.2	20.4	23.3	24.0
122.5°	16.7	17.4	17.4	17.4	17.4	16.0	15.3	16.0	18.2	21.1	21.8
125°	16.0	16.0	16.7	16.7	16.0	14.5	13.8	14.5	16.0	18.2	18.9
127.5°	15.3	15.3	16.0	16.0	14.5	13.1	12.4	13.1	14.5	16.0	16.0
130°	15.3	15.3	15.3	14.5	13.8	12.4	10.9	11.6	13.1	14.5	14.5
132.5°	14.5	13.8	13.8	13.8	12.4	10.9	10.2	10.2	11.6	13.1	13.1
135°	13.1	13.1	12.4	12.4	11.6	9.5	8.7	8.7	10.2	11.6	11.6
137.5°	11.6	11.6	10.9	10.9	10.2	8.7	7.3	8.0	9.5	9.5	10.2
140°	10.2	10.2	9.5	9.5	8.7	7.3	5.8	6.5	8.0	8.0	8.7
142.5°	8.7	8.7	8.7	8.0	7.3	5.8	5.1	5.8	7.3	7.3	7.3
145°	7.3	7.3	7.3	6.5	5.8	4.4	3.6	5.1	6.5	5.8	5.8
147.5°	5.8	5.8	5.8	5.8	4.4	3.6	2.9	4.4	5.1	5.1	5.1
150°	4.4	4.4	4.4	4.4	3.6	2.2	2.2	3.6	4.4	4.4	4.4
152.5°	3.6	3.6	3.6	4.4	3.6	1.5	1.5	2.9	3.6	3.6	3.6
155°	2.9	2.9	3.6	3.6	2.9	1.5	0.7	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.9	2.9	2.2	1.5	0.7	1.5	2.9	2.2	2.2
160°	1.5	2.2	2.2	2.2	2.2	1.5	0.0	1.5	2.2	1.5	1.5
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)