

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: P416284

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416284  
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-PA1-70-730-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 7039 lumens  
Efficiency: N/A  
Efficacy: 95.1 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

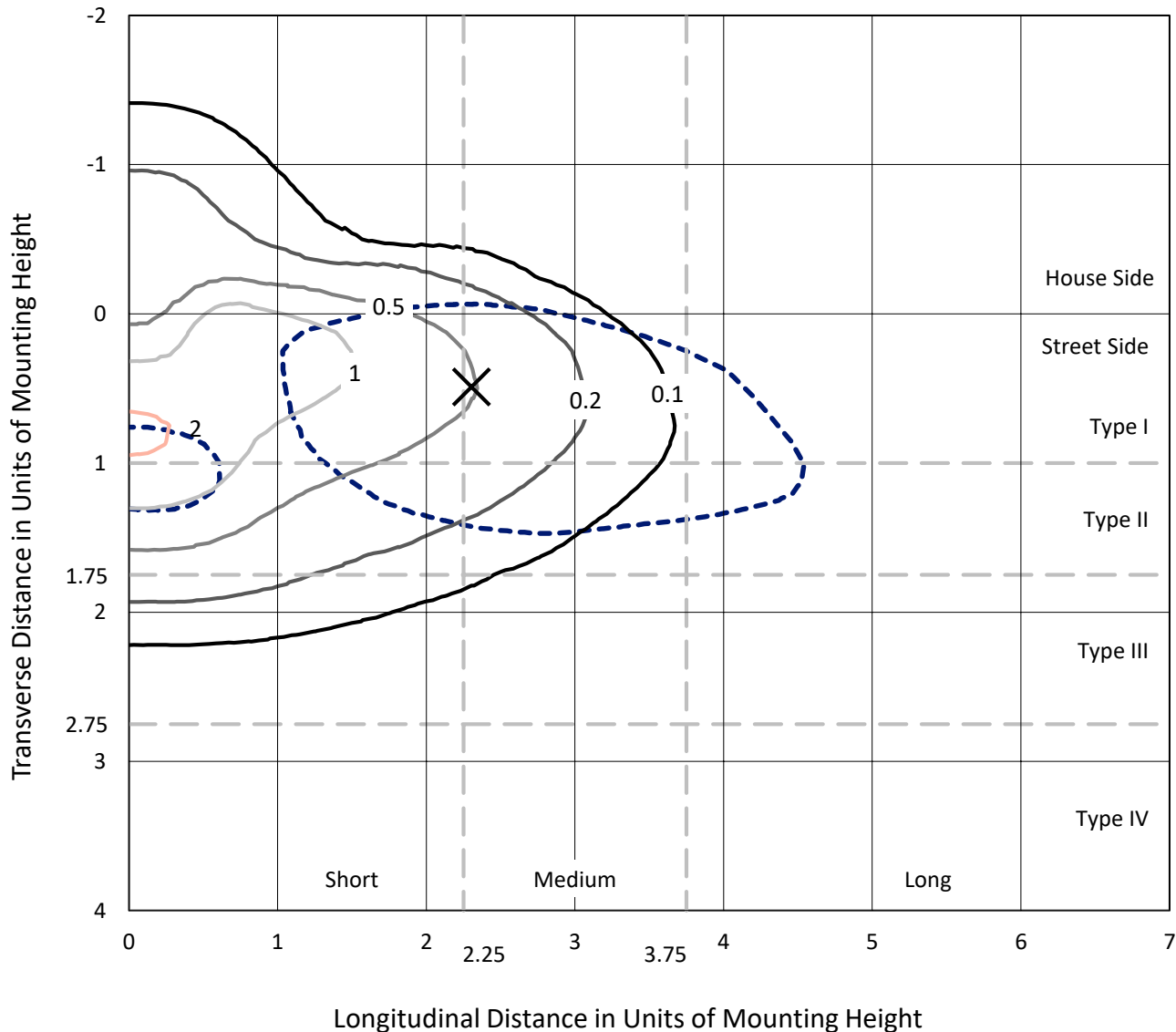
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

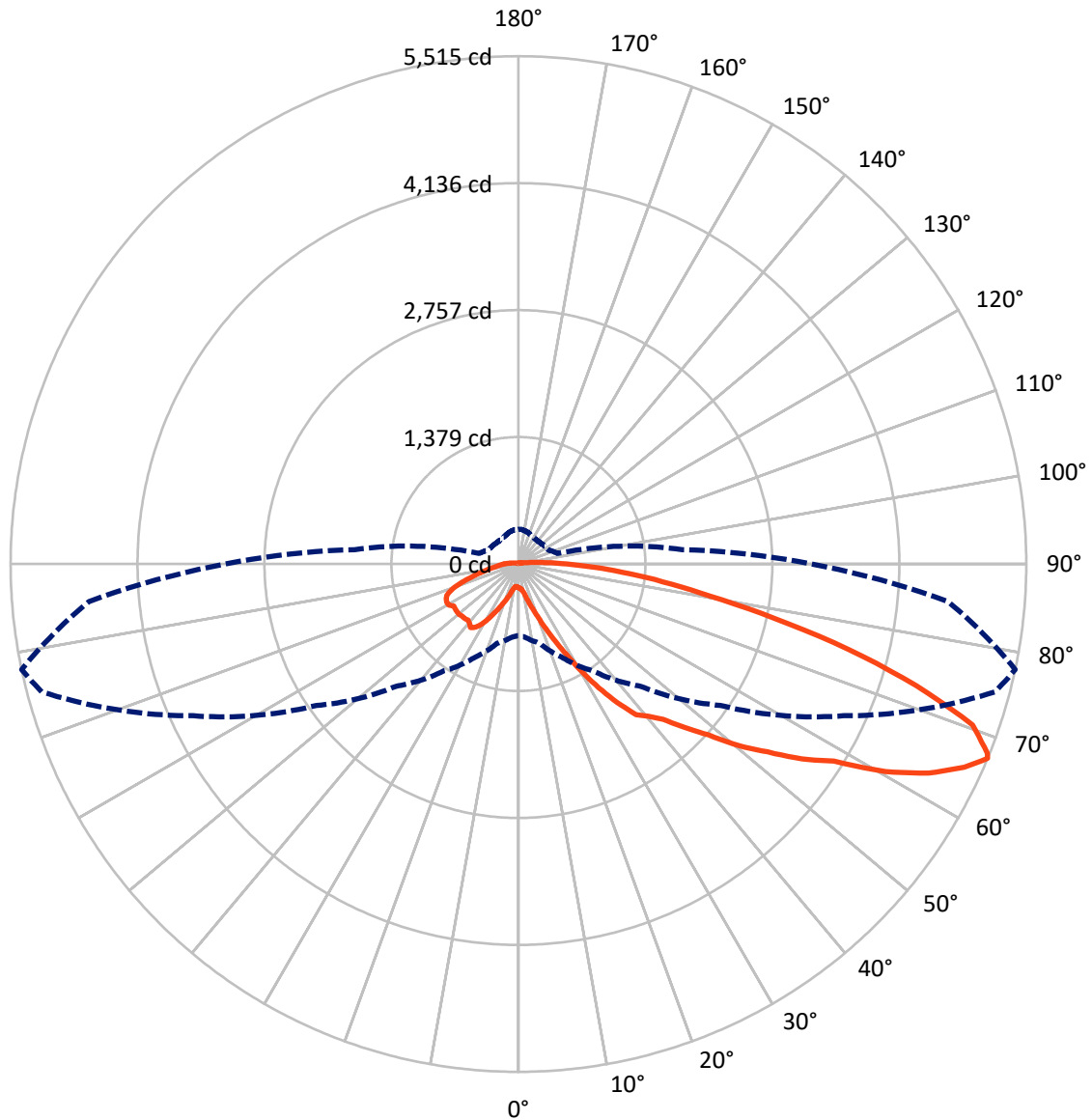
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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
<b>House Side</b>	Lumens	1302.2	106.5	1408.7
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	5516.8	113.5	5630.3
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	6819.0	220.0	7039.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.9	0.4
10°-20°	109.5	1.6
20°-30°	328.4	4.7
30°-40°	751.8	10.7
40°-50°	1200.8	17.1
50°-60°	1479.9	21.0
60°-70°	1542.4	21.9
70°-80°	1000.1	14.2
80°-90°	380.2	5.4
90°-100°	117.5	1.7
100°-110°	45.2	0.6
110°-120°	24.4	0.3
120°-130°	16.1	0.2
130°-140°	10.6	0.2
140°-150°	4.8	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6819.0	96.9
0°-180°	7039.0	100.0

**Coefficient of Utilization**



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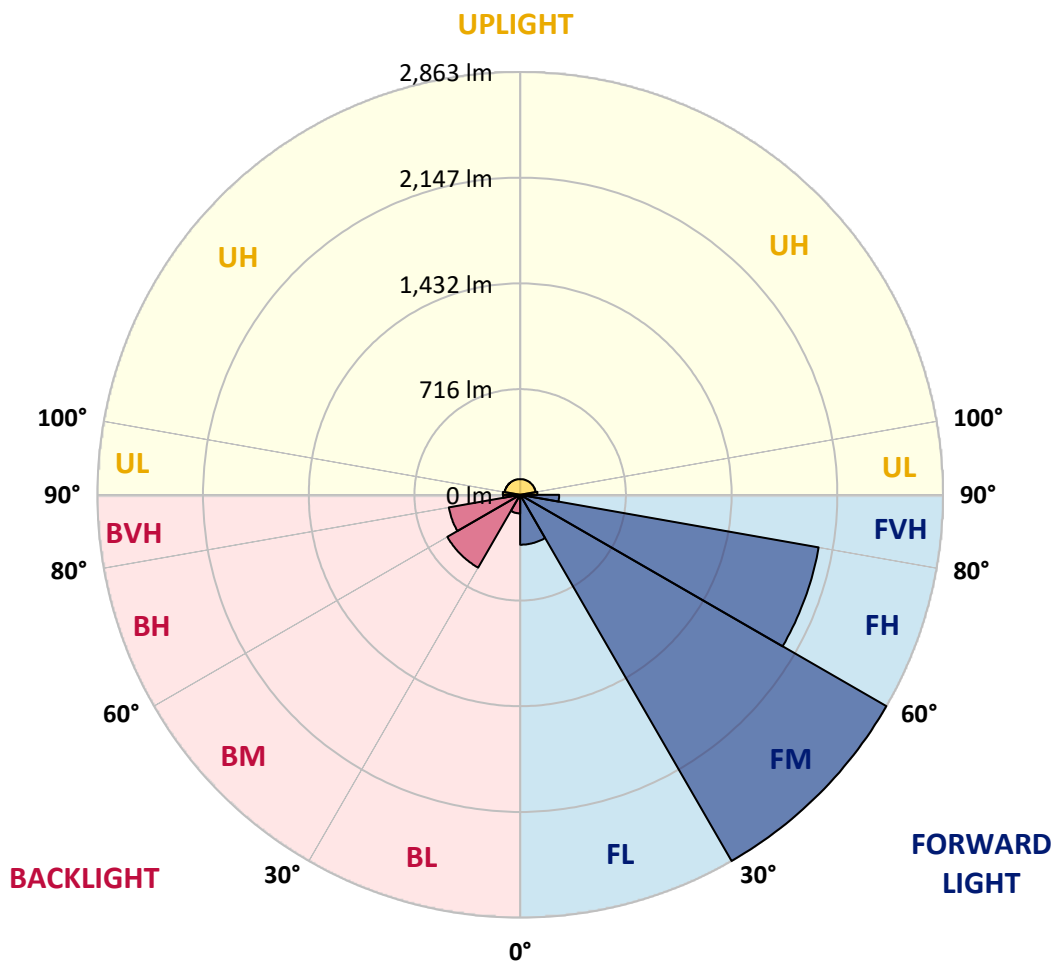
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2R-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.0	4.8			
FM (30°-60°)	2863.1	40.7			
FH (60°-80°)	2052.0	29.2			G2/5000
FVH (80°-90°)	263.8	3.7			G3/500
BL (0°-30°)	125.8	1.8	B1/500		
BM (30°-60°)	569.3	8.1	B1/1000		
BH (60°-80°)	490.6	7.0	B1/500		G1/500
BVH (80°-90°)	116.5	1.7			G2/225
UL (90°-100°)	117.5	1.7		U3/500	
UH (100°-180°)	106.5	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°	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6
2.5°	289.9	289.1	288.3	286.6	283.3	279.9	274.9	268.3	263.3	262.4	257.4
5°	326.6	324.1	324.1	319.9	313.3	306.6	296.6	284.9	275.8	270.8	263.3
7.5°	371.6	366.6	368.3	361.6	352.4	340.8	324.9	309.1	291.6	286.6	275.8
10°	425.7	422.4	419.1	410.8	399.9	381.6	366.6	343.3	319.9	313.3	296.6
12.5°	491.6	492.4	482.4	473.2	454.9	436.6	418.3	395.8	369.9	362.4	340.8
15°	584.1	583.2	572.4	551.6	529.1	509.1	494.1	469.9	444.9	436.6	404.1
17.5°	692.4	689.9	681.5	644.9	622.4	606.5	584.9	569.9	534.1	524.9	484.9
20°	850.7	835.7	816.5	767.3	734.0	714.0	696.5	677.4	639.0	623.2	575.7
22.5°	1026.5	1034.0	999.0	923.2	867.3	830.7	812.3	802.3	773.2	762.4	690.7
25°	1244.8	1244.8	1189.8	1106.4	1034.0	965.6	961.5	973.1	934.0	926.5	850.7
27.5°	1474.7	1483.9	1411.4	1322.2	1212.3	1132.3	1128.1	1138.1	1134.8	1113.1	1004.8
30°	1737.2	1728.8	1647.2	1538.9	1393.1	1298.9	1287.2	1359.7	1365.6	1350.6	1232.3
32.5°	2042.9	2036.3	1933.8	1766.3	1586.4	1478.0	1485.5	1588.0	1628.0	1602.2	1463.9
35°	2414.5	2422.9	2262.1	2026.3	1788.8	1663.8	1672.2	1800.5	1875.5	1843.8	1688.0
37.5°	2796.1	2798.6	2651.1	2332.0	2006.3	1828.8	1848.8	2005.4	2102.1	2076.3	1862.1
40°	3037.7	3062.7	2921.1	2617.8	2235.4	1993.8	2010.4	2165.4	2222.1	2173.7	1922.1
42.5°	3249.4	3268.5	3124.4	2798.6	2409.5	2141.2	2135.4	2252.9	2334.5	2304.5	2045.4
45°	3353.5	3391.0	3261.0	2924.4	2532.0	2256.2	2211.2	2387.0	2568.7	2531.2	2245.4
47.5°	3277.7	3323.5	3268.5	2990.2	2587.0	2328.7	2338.7	2580.3	2815.3	2773.6	2463.7
50°	3030.2	3085.2	3103.6	2941.1	2601.2	2364.5	2471.2	2796.1	3111.1	3102.7	2732.0
52.5°	2732.0	2761.1	2841.1	2792.8	2548.7	2406.2	2614.5	3005.2	3416.0	3390.2	2954.4
55°	2456.2	2494.5	2560.3	2532.0	2418.7	2411.2	2727.8	3238.5	3740.1	3736.8	3234.4
57.5°	2076.3	2129.6	2267.9	2283.7	2250.4	2380.4	2810.3	3421.8	4026.7	4038.4	3515.1
60°	1593.9	1638.8	1848.8	2016.3	2045.4	2307.9	2851.9	3623.5	4516.6	4577.4	4005.9
62.5°	1292.2	1300.6	1459.7	1668.8	1867.1	2175.4	2858.6	3878.4	4944.9	4999.8	4300.0
65°	967.3	965.6	1112.3	1350.6	1626.3	2020.4	2837.8	3958.4	5177.3	5318.1	4580.8
67°	777.3	795.7	889.8	1116.4	1418.1	1875.5	2676.1	3899.2	5359.8	5514.7	4683.2
67.5°	747.4	756.5	842.3	1056.5	1370.6	1832.1	2628.6	3884.2	5358.9	5490.6	4652.4
70°	596.5	609.0	671.5	813.2	1096.5	1548.0	2294.5	3536.0	5041.5	5233.1	4370.0
72.5°	460.7	470.7	514.9	622.4	834.8	1246.4	1898.0	3042.7	4365.8	4517.4	3705.1
75°	350.8	354.1	395.8	469.1	637.4	950.6	1465.5	2396.2	3590.1	3705.1	3011.1
77.5°	271.6	279.1	310.8	359.9	473.2	715.7	1103.1	1866.3	2856.1	2838.6	2289.5
80°	211.6	218.3	241.6	275.8	354.9	525.7	807.3	1379.7	2086.3	2107.1	1676.3
82.5°	170.0	175.0	190.8	215.8	273.3	399.9	589.9	1031.5	1586.4	1578.9	1228.9
85°	135.8	139.1	150.8	172.5	210.8	303.3	435.7	766.5	1119.8	1128.9	839.0
87.5°	105.8	110.0	123.3	136.6	166.6	230.8	321.6	531.6	744.9	752.4	576.6
90°	82.5	85.0	96.6	110.8	135.0	175.0	232.5	364.1	479.9	470.7	370.8
92.5°	60.8	63.3	74.2	87.5	105.0	135.0	167.5	233.3	280.8	286.6	231.6
95°	43.3	45.8	55.0	65.0	80.0	102.5	119.1	148.3	172.5	167.5	148.3
97.5°	33.3	34.2	40.8	48.3	60.8	79.2	88.3	102.5	113.3	110.8	103.3
100°	26.7	27.5	32.5	36.7	47.5	62.5	70.8	78.3	85.0	82.5	79.2
102.5°	22.5	23.3	26.7	30.0	39.2	52.5	57.5	62.5	65.0	65.0	63.3
105°	19.2	20.0	22.5	25.8	33.3	43.3	46.7	49.2	51.7	50.8	50.8
107.5°	17.5	17.5	20.0	22.5	29.2	36.7	38.3	39.2	40.0	40.0	41.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.8	16.7	18.3	20.0	25.8	32.5	32.5	31.7	31.7	31.7	34.2
112.5°	15.0	15.8	16.7	19.2	24.2	28.3	27.5	25.8	25.8	26.7	29.2
115°	15.0	15.0	15.8	18.3	22.5	25.8	24.2	21.7	21.7	22.5	25.0
117.5°	15.0	15.0	16.7	18.3	21.7	23.3	21.7	19.2	18.3	19.2	21.7
120°	15.8	15.8	16.7	18.3	20.0	21.7	20.0	17.5	16.7	17.5	20.0
122.5°	16.7	16.7	16.7	18.3	19.2	20.0	18.3	15.8	15.0	15.8	18.3
125°	17.5	17.5	17.5	18.3	19.2	18.3	16.7	15.0	15.0	15.0	17.5
127.5°	19.2	19.2	19.2	19.2	18.3	17.5	15.8	14.2	15.0	15.0	16.7
130°	20.8	20.8	20.0	19.2	18.3	16.7	15.0	13.3	14.2	15.0	16.7
132.5°	21.7	20.8	20.0	18.3	17.5	15.0	13.3	12.5	13.3	14.2	15.8
135°	20.0	20.0	18.3	16.7	15.8	13.3	11.7	11.7	12.5	13.3	14.2
137.5°	17.5	17.5	16.7	15.0	14.2	12.5	10.8	10.0	11.7	12.5	13.3
140°	15.0	15.0	14.2	12.5	11.7	10.8	9.2	8.3	10.0	10.8	11.7
142.5°	12.5	12.5	11.7	10.0	10.0	9.2	7.5	7.5	9.2	9.2	10.0
145°	10.0	10.0	10.0	8.3	8.3	7.5	5.8	6.7	7.5	8.3	8.3
147.5°	8.3	8.3	8.3	6.7	6.7	5.8	4.2	5.0	5.8	6.7	6.7
150°	6.7	6.7	6.7	5.8	5.0	4.2	3.3	4.2	4.2	5.0	5.0
152.5°	5.0	5.0	5.0	4.2	4.2	2.5	2.5	3.3	3.3	4.2	4.2
155°	3.3	3.3	4.2	3.3	2.5	1.7	2.5	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
160°	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6
2.5°	254.9	253.3	249.1	245.0	240.8	237.5	233.3	232.5	232.5	230.8	230.8
5°	258.3	253.3	243.3	235.0	225.8	218.3	212.5	210.0	207.5	205.8	204.1
7.5°	265.8	257.4	240.8	227.5	214.1	202.5	194.1	190.0	187.5	185.0	185.8
10°	283.3	270.8	246.6	225.0	205.0	189.1	179.1	174.1	172.5	170.0	170.0
12.5°	320.8	304.1	269.1	232.5	201.6	180.0	168.3	166.6	168.3	170.8	170.8
15°	379.9	354.9	304.1	253.3	209.1	178.3	171.6	176.6	182.5	185.8	185.8
17.5°	452.4	418.3	345.8	277.4	220.0	193.3	185.0	191.6	199.1	204.1	204.1
20°	532.4	486.6	388.3	298.3	235.8	214.1	205.0	210.8	220.8	228.3	227.5
22.5°	636.5	569.9	437.4	316.6	254.9	233.3	227.5	235.0	250.0	259.9	260.8
25°	765.7	674.0	494.9	340.8	272.4	250.0	251.6	264.9	284.9	295.8	295.8
27.5°	903.2	787.3	544.1	364.9	290.8	267.4	275.8	294.1	315.8	328.3	329.9
30°	1084.8	933.1	605.7	389.1	306.6	284.9	294.9	316.6	332.4	339.9	340.8
32.5°	1269.8	1071.5	654.9	414.1	321.6	297.4	306.6	327.4	341.6	349.9	349.1
35°	1437.2	1183.1	684.0	425.7	334.9	306.6	310.8	333.3	341.6	346.6	345.8
37.5°	1565.5	1263.1	694.9	428.2	339.9	310.8	312.4	331.6	343.3	352.4	350.8
40°	1587.2	1252.3	654.0	413.3	339.1	310.8	314.1	335.8	348.3	352.4	351.6
42.5°	1667.2	1282.2	619.0	386.6	329.1	309.9	317.4	337.4	343.3	340.8	338.3
45°	1806.3	1345.6	609.0	373.3	316.6	307.4	319.1	333.3	332.4	327.4	325.8
47.5°	1943.8	1406.4	587.4	367.4	313.3	306.6	318.3	328.3	330.8	325.8	324.1
50°	2118.7	1487.2	569.9	359.1	314.1	306.6	316.6	328.3	329.9	321.6	320.8
52.5°	2275.4	1543.0	544.1	351.6	314.9	309.1	316.6	328.3	329.1	320.8	319.1
55°	2438.7	1602.2	517.4	344.1	317.4	311.6	319.1	329.1	329.9	324.1	322.4
57.5°	2602.0	1653.8	487.4	338.3	319.9	316.6	320.8	329.9	336.6	334.9	334.9
60°	2935.3	1802.1	482.4	339.1	322.4	320.8	322.4	334.1	346.6	342.4	343.3
62.5°	3066.9	1833.8	473.2	349.9	329.9	324.1	324.9	337.4	350.8	356.6	355.8
65°	3186.9	1836.3	454.9	357.4	339.1	326.6	326.6	338.3	360.8	374.1	374.1
67°	3180.2	1786.3	441.6	358.3	343.3	329.1	325.8	338.3	361.6	376.6	377.4
67.5°	3141.9	1753.8	436.6	358.3	344.1	329.1	324.9	337.4	361.6	377.4	377.4
70°	2911.1	1583.0	404.1	349.1	341.6	324.9	319.9	329.1	356.6	378.3	378.3
72.5°	2411.2	1303.1	358.3	326.6	325.8	314.1	306.6	316.6	343.3	365.8	364.9
75°	1948.8	1041.5	312.4	293.3	301.6	293.3	287.4	294.9	320.8	343.3	341.6
77.5°	1456.4	782.3	269.9	261.6	273.3	267.4	262.4	269.9	294.9	316.6	313.3
80°	1076.5	603.2	235.0	231.6	240.0	238.3	236.6	240.0	261.6	275.8	273.3
82.5°	792.3	459.1	202.5	200.0	210.0	210.0	210.0	212.5	228.3	233.3	230.8
85°	563.2	345.8	178.3	171.6	180.0	184.1	186.6	187.5	195.8	196.6	190.8
87.5°	396.6	272.4	160.0	145.8	150.0	159.1	163.3	162.5	165.8	163.3	157.5
90°	276.6	214.1	145.0	124.1	124.1	133.3	140.0	139.1	140.0	133.3	127.5
92.5°	195.0	161.6	122.5	102.5	100.8	110.0	115.8	115.0	115.0	108.3	102.5
95°	130.8	119.1	97.5	82.5	80.0	87.5	93.3	91.6	91.6	85.0	82.5
97.5°	96.6	90.8	80.0	70.0	65.0	69.2	73.3	73.3	74.2	70.0	67.5
100°	75.8	73.3	68.3	60.0	55.0	55.8	58.3	58.3	61.7	58.3	56.7
102.5°	63.3	61.7	57.5	51.7	47.5	46.7	48.3	49.2	53.3	50.8	50.0
105°	52.5	51.7	49.2	44.2	40.8	40.8	40.8	41.7	45.8	44.2	44.2
107.5°	42.5	42.5	42.5	38.3	35.8	35.8	35.0	35.8	39.2	39.2	39.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	35.8	35.8	36.7	33.3	31.7	31.7	30.8	31.7	35.0	35.8	35.8
112.5°	30.8	30.8	31.7	30.0	28.3	28.3	27.5	27.5	30.8	33.3	33.3
115°	26.7	27.5	27.5	26.7	25.8	25.0	24.2	25.0	28.3	30.8	30.8
117.5°	23.3	24.2	25.0	24.2	23.3	22.5	21.7	22.5	25.8	29.2	29.2
120°	20.8	21.7	22.5	22.5	21.7	20.8	19.2	20.8	23.3	26.7	27.5
122.5°	19.2	20.0	20.0	20.0	20.0	18.3	17.5	18.3	20.8	24.2	25.0
125°	18.3	18.3	19.2	19.2	18.3	16.7	15.8	16.7	18.3	20.8	21.7
127.5°	17.5	17.5	18.3	18.3	16.7	15.0	14.2	15.0	16.7	18.3	18.3
130°	17.5	17.5	17.5	16.7	15.8	14.2	12.5	13.3	15.0	16.7	16.7
132.5°	16.7	15.8	15.8	15.8	14.2	12.5	11.7	11.7	13.3	15.0	15.0
135°	15.0	15.0	14.2	14.2	13.3	10.8	10.0	10.0	11.7	13.3	13.3
137.5°	13.3	13.3	12.5	12.5	11.7	10.0	8.3	9.2	10.8	10.8	11.7
140°	11.7	11.7	10.8	10.8	10.0	8.3	6.7	7.5	9.2	9.2	10.0
142.5°	10.0	10.0	10.0	9.2	8.3	6.7	5.8	6.7	8.3	8.3	8.3
145°	8.3	8.3	8.3	7.5	6.7	5.0	4.2	5.8	7.5	6.7	6.7
147.5°	6.7	6.7	6.7	6.7	5.0	4.2	3.3	5.0	5.8	5.8	5.8
150°	5.0	5.0	5.0	5.0	4.2	2.5	2.5	4.2	5.0	5.0	5.0
152.5°	4.2	4.2	4.2	5.0	4.2	1.7	1.7	3.3	4.2	4.2	4.2
155°	3.3	3.3	4.2	4.2	3.3	1.7	0.8	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	3.3	3.3	2.5	1.7	0.8	1.7	3.3	2.5	2.5
160°	1.7	2.5	2.5	2.5	2.5	1.7	0.0	1.7	2.5	1.7	1.7
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)