

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: P416571

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
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-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6317 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

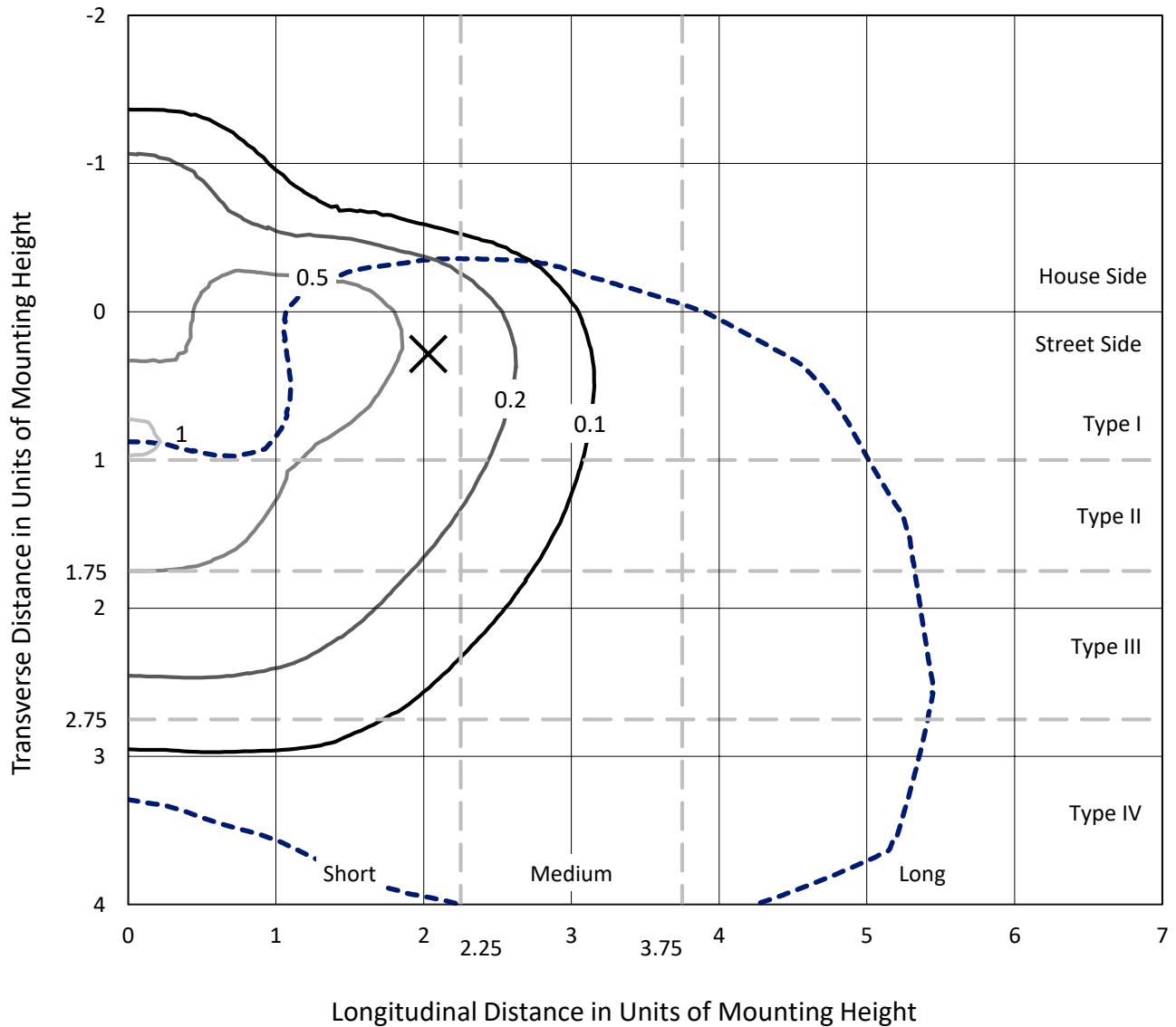


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### Iso-Footcandle Lines of Horizontal Illumination

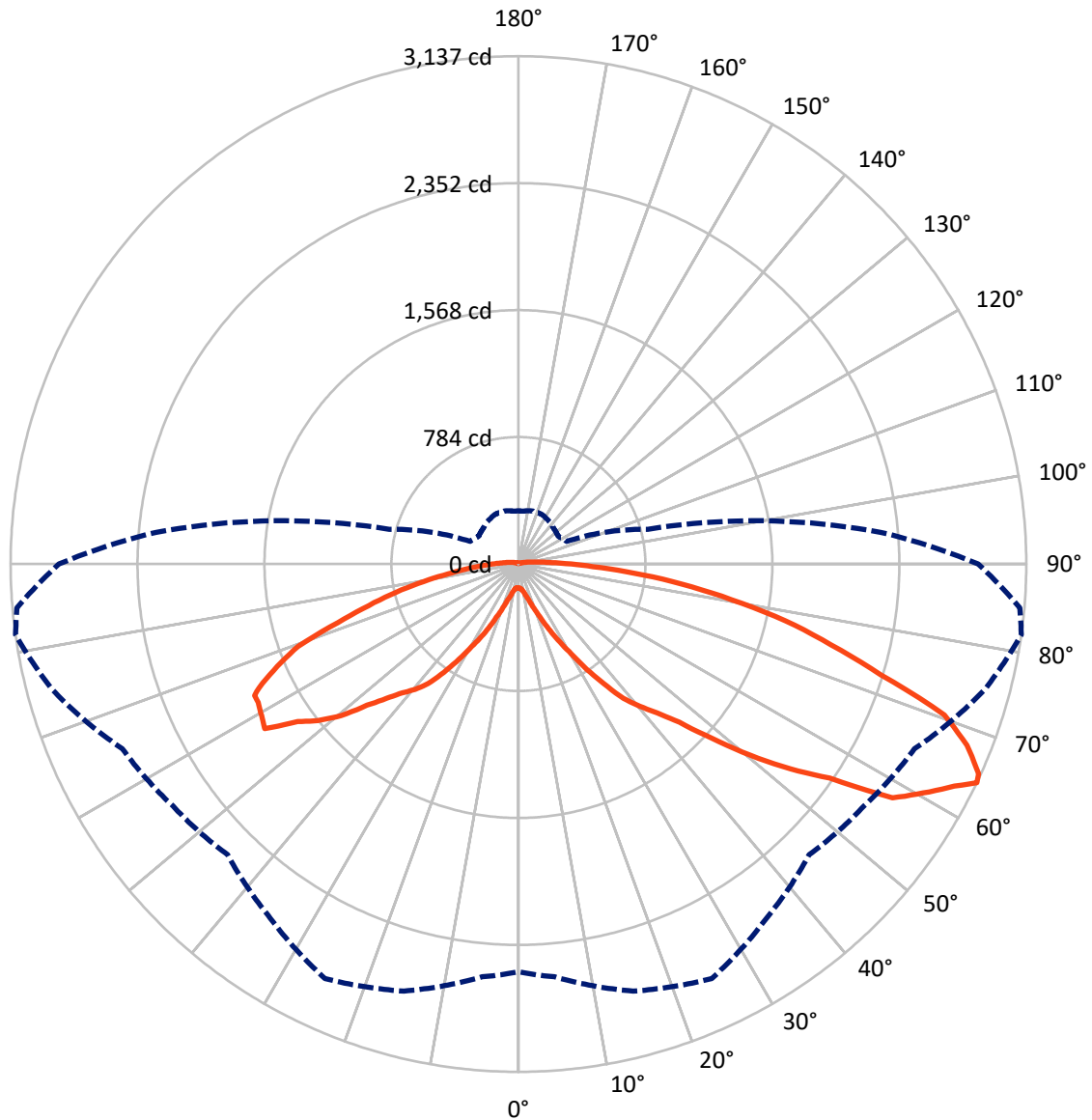
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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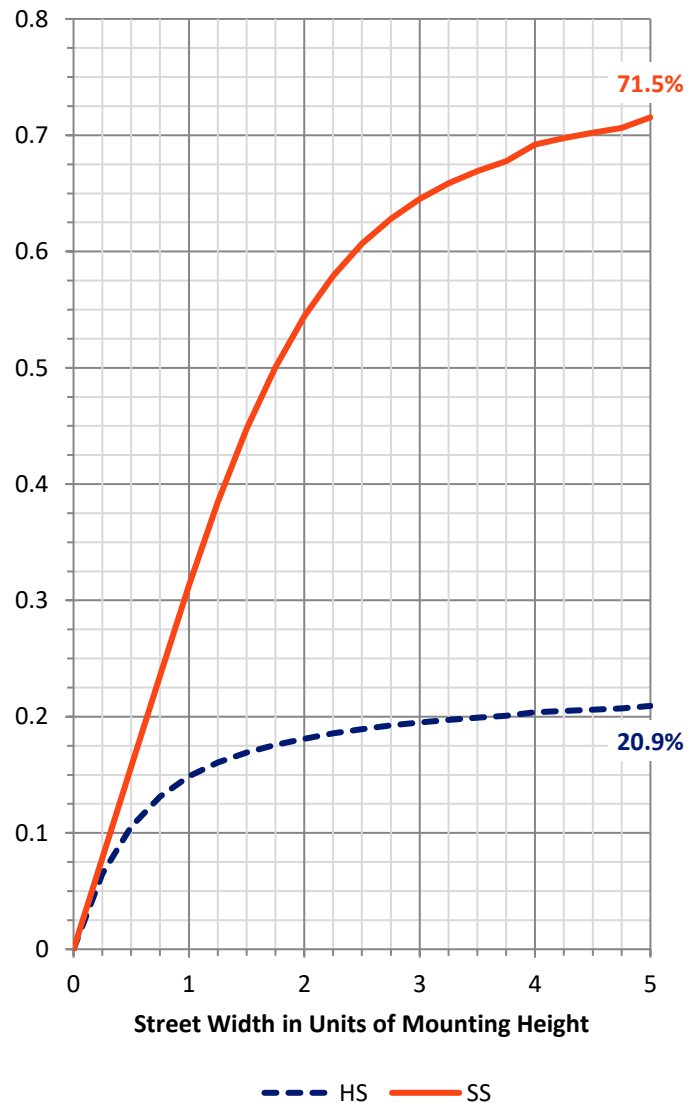
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1388.7	104.0	1492.7
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	4688.0	136.3	4824.3
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	6076.7	240.4	6317.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.2	0.2
10°-20°	65.0	1.0
20°-30°	187.3	3.0
30°-40°	429.9	6.8
40°-50°	755.0	12.0
50°-60°	1212.7	19.2
60°-70°	1627.9	25.8
70°-80°	1244.6	19.7
80°-90°	539.1	8.5
90°-100°	151.4	2.4
100°-110°	46.0	0.7
110°-120°	20.2	0.3
120°-130°	11.5	0.2
130°-140°	7.0	0.1
140°-150°	3.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6076.7	96.2
0°-180°	6317.0	100.0



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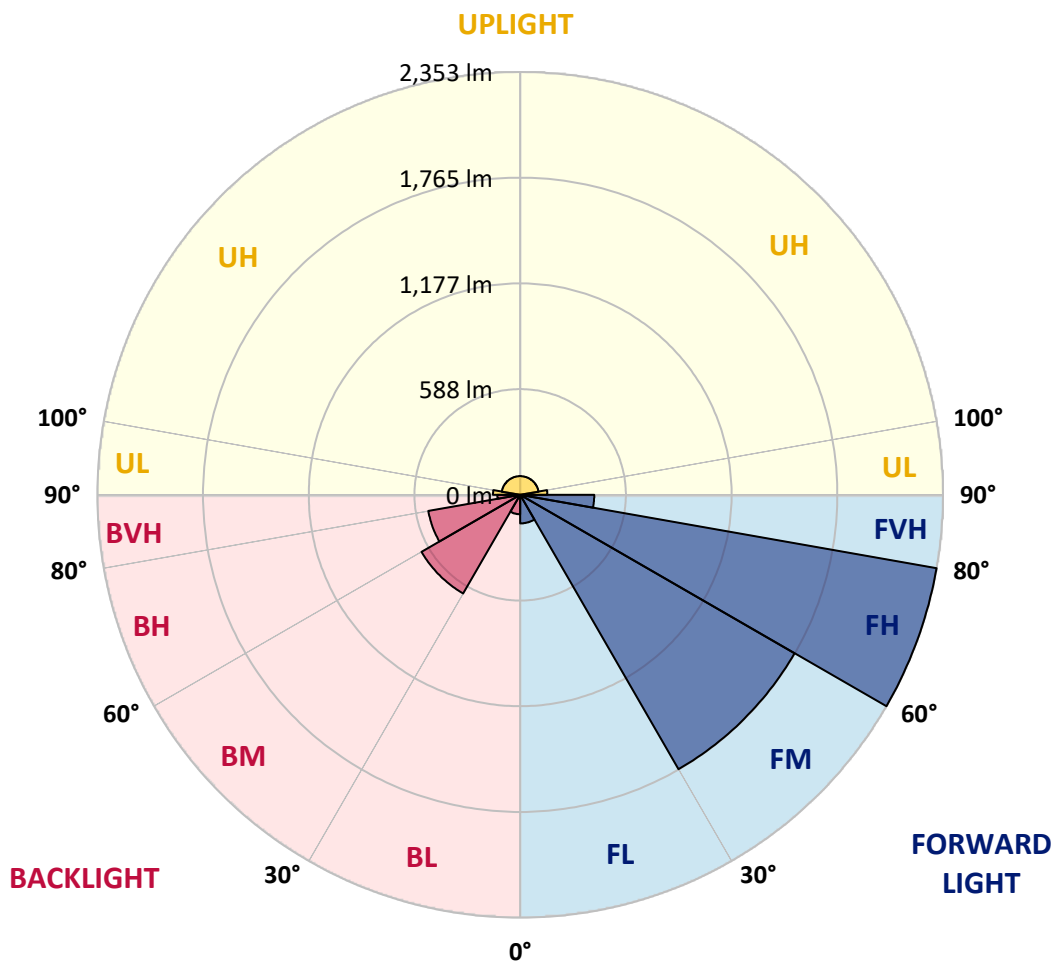
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.1	2.5			
FM	(30°-60°)	1763.4	27.9			
FH	(60°-80°)	2353.4	37.3			G2/5000
FVH	(80°-90°)	412.1	6.5			G3/500
BL	(0°-30°)	108.4	1.7	B0/110		
BM	(30°-60°)	634.2	10.0	B1/1000		
BH	(60°-80°)	519.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	127.0	2.0			G2/225
UL	(90°-100°)	151.4	2.4		U3/500	
UH	(100°-180°)	104.0	1.6		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6
2.5°	158.5	157.8	157.8	158.5	158.5	157.0	154.1	152.0	149.8	149.0	148.3
5°	173.0	172.3	171.6	172.3	170.1	167.9	163.6	159.2	156.3	153.4	152.7
7.5°	192.7	191.9	191.2	189.8	186.9	182.5	175.9	170.1	165.0	161.4	159.9
10°	218.1	215.2	214.5	211.6	206.5	199.2	191.9	184.7	178.9	173.8	171.6
12.5°	253.0	253.0	247.2	240.7	231.9	221.0	211.6	205.8	199.9	197.0	192.7
15°	295.9	294.5	288.6	277.7	263.2	250.8	240.7	233.4	229.7	224.7	222.5
17.5°	343.2	340.3	335.2	318.4	301.0	287.9	276.3	269.0	266.8	262.5	261.7
20°	405.0	400.6	388.2	367.9	343.9	329.4	318.4	310.4	309.7	311.2	310.4
22.5°	478.4	475.5	460.2	423.1	396.2	375.2	360.6	362.1	371.5	375.9	370.1
25°	566.4	569.3	543.8	494.4	458.8	423.1	417.3	425.3	446.4	458.0	458.8
27.5°	670.3	669.6	636.2	581.6	526.4	486.4	476.9	500.2	530.0	546.7	546.7
30°	786.7	796.8	749.6	678.3	601.3	554.0	546.7	582.4	613.6	643.4	652.2
32.5°	941.5	939.3	878.3	792.5	690.0	623.1	617.3	662.3	732.9	774.3	774.3
35°	1134.2	1126.2	1041.1	912.4	775.0	700.1	700.9	763.4	856.5	907.4	912.4
37.5°	1300.0	1306.5	1220.7	1064.4	884.8	788.1	796.8	881.2	993.1	1052.8	1073.1
40°	1477.4	1479.5	1385.0	1214.9	1003.3	881.9	903.0	1000.4	1106.6	1156.0	1175.6
42.5°	1633.7	1646.8	1552.2	1366.1	1123.3	996.8	1007.0	1092.0	1197.4	1256.3	1284.0
45°	1741.3	1748.5	1690.4	1505.0	1253.4	1113.8	1112.4	1191.6	1327.6	1393.0	1437.4
47.5°	1887.4	1907.0	1823.4	1644.6	1387.2	1233.1	1220.7	1322.5	1501.3	1607.5	1645.3
50°	2059.0	2088.8	2029.9	1814.0	1539.9	1373.4	1375.6	1497.0	1717.3	1856.1	1895.4
52.5°	2229.8	2241.5	2202.2	2017.5	1717.3	1537.0	1554.4	1706.4	1959.4	2101.9	2125.9
55°	2321.5	2338.2	2349.8	2203.7	1930.3	1731.1	1761.6	1944.8	2165.9	2333.1	2387.6
57.5°	2408.7	2432.0	2462.5	2362.9	2141.9	1971.0	2000.8	2163.7	2486.5	2725.0	2766.4
60°	2556.3	2576.6	2635.5	2554.1	2336.0	2200.0	2231.3	2460.3	2707.5	2871.8	2876.2
62.5°	2554.1	2586.1	2728.6	2749.0	2543.9	2420.3	2496.7	2620.3	2815.8	3022.3	3018.0
64°	2519.2	2559.2	2730.8	2825.3	2670.4	2539.6	2605.7	2698.8	2983.8	3136.5	3108.8
65°	2494.5	2538.8	2724.2	2844.9	2739.5	2607.2	2656.6	2764.2	3032.5	3123.4	3085.6
67.5°	2358.5	2408.0	2653.7	2842.7	2810.8	2713.3	2729.3	2829.7	2951.8	2987.4	2919.8
70°	2115.0	2141.1	2420.3	2723.5	2740.2	2647.2	2690.8	2742.4	2809.3	2791.8	2703.1
72.5°	1669.3	1723.1	2005.2	2437.1	2532.3	2465.4	2482.1	2507.6	2440.0	2339.6	2234.2
75°	1188.7	1236.7	1499.9	1922.3	2205.1	2178.2	2201.5	2160.8	2085.9	1994.3	1891.0
77.5°	826.6	841.9	1059.3	1450.5	1762.4	1844.5	1894.7	1837.2	1795.1	1685.3	1602.4
80°	535.1	560.6	697.2	1050.6	1396.7	1564.6	1645.3	1608.2	1510.1	1334.9	1240.3
82.5°	331.5	351.9	459.5	745.9	1107.3	1340.7	1418.5	1367.6	1210.5	1015.0	920.4
85°	189.8	194.1	269.0	485.7	809.2	1065.1	1169.1	1087.7	905.2	716.1	633.3
87.5°	109.1	112.7	160.7	297.4	559.8	802.7	901.5	783.0	607.8	460.2	405.7
90°	69.8	74.2	104.0	194.1	360.6	573.6	646.3	537.3	407.1	291.5	256.6
92.5°	48.0	50.2	69.8	120.7	232.7	378.8	431.9	359.2	253.7	186.1	165.0
95°	34.9	36.4	49.4	82.2	149.8	237.7	266.8	227.6	166.5	123.6	110.5
97.5°	28.4	29.1	38.5	60.3	103.2	151.2	159.9	141.8	110.5	88.0	82.9
100°	24.0	24.7	32.0	46.5	73.4	98.9	101.1	95.2	77.8	65.4	62.5
102.5°	21.8	21.8	26.9	37.8	55.3	70.5	70.5	65.4	53.8	48.0	48.0
105°	19.6	19.6	23.3	31.3	43.6	54.5	53.8	48.0	40.7	36.4	37.1
107.5°	17.4	17.4	20.4	25.4	35.6	42.9	41.4	35.6	31.3	28.4	29.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	16.0	16.0	18.2	21.8	29.8	35.6	33.4	27.6	23.3	23.3	24.0
112.5°	14.5	14.5	16.0	19.6	25.4	29.1	26.9	21.8	18.9	18.9	19.6
115°	13.1	13.1	14.5	17.4	22.5	24.7	22.5	17.4	15.3	16.0	17.4
117.5°	12.4	12.4	13.8	16.0	19.6	21.1	18.9	14.5	13.1	14.5	15.3
120°	11.6	11.6	13.1	15.3	18.2	18.9	16.0	13.1	11.6	13.1	13.8
122.5°	11.6	11.6	12.4	14.5	16.7	16.7	14.5	11.6	10.2	11.6	12.4
125°	11.6	11.6	12.4	13.8	15.3	15.3	13.1	10.2	9.5	10.9	10.9
127.5°	12.4	12.4	13.1	13.8	14.5	13.8	11.6	9.5	8.7	10.2	10.2
130°	12.4	12.4	12.4	13.1	13.1	12.4	10.2	8.7	8.7	9.5	10.2
132.5°	12.4	12.4	12.4	12.4	12.4	10.9	9.5	8.0	8.7	9.5	10.2
135°	11.6	11.6	11.6	11.6	10.9	9.5	8.0	6.5	8.0	8.7	8.7
137.5°	10.2	10.9	10.2	10.2	10.2	8.7	6.5	5.8	6.5	8.0	8.0
140°	9.5	9.5	9.5	9.5	8.7	7.3	5.8	4.4	5.1	6.5	6.5
142.5°	8.7	8.7	8.7	8.0	8.0	6.5	4.4	3.6	4.4	5.1	5.1
145°	7.3	7.3	7.3	7.3	6.5	5.1	3.6	2.9	3.6	4.4	4.4
147.5°	5.8	5.8	5.8	5.8	5.1	4.4	2.9	2.9	3.6	3.6	3.6
150°	4.4	5.1	5.1	5.1	4.4	3.6	2.2	2.2	2.9	3.6	3.6
152.5°	3.6	3.6	3.6	4.4	3.6	2.2	1.5	2.2	2.9	2.9	2.9
155°	2.2	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.2	2.9	2.9
157.5°	1.5	1.5	2.2	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2
160°	0.7	0.7	1.5	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2
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°	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6	147.6
2.5°	147.6	146.9	145.4	144.0	143.2	143.2	141.8	141.0	138.9	138.9	138.1
5°	150.5	149.0	146.1	143.2	141.0	140.3	138.9	136.7	135.2	134.5	134.5
7.5°	157.0	154.9	149.0	145.4	142.5	140.3	138.9	136.7	135.2	134.5	134.5
10°	167.9	164.3	157.8	151.2	146.9	144.0	142.5	141.8	141.0	140.3	140.3
12.5°	189.0	183.9	173.0	165.0	156.3	152.0	150.5	152.0	155.6	157.0	157.8
15°	218.1	211.6	198.5	183.9	170.9	163.6	166.5	173.8	180.3	183.2	182.5
17.5°	254.5	244.3	228.3	208.7	190.5	186.9	189.8	197.8	207.2	211.6	210.8
20°	301.0	293.0	269.0	237.0	216.7	210.8	213.0	223.2	237.0	241.4	242.8
22.5°	365.0	353.3	316.3	271.9	245.0	234.1	236.3	249.4	268.3	278.5	280.6
25°	447.9	435.5	381.0	313.4	271.2	254.5	263.2	280.6	311.2	327.2	325.7
27.5°	543.8	522.7	451.5	364.2	301.7	275.5	288.6	317.0	349.0	369.3	367.9
30°	632.5	614.4	519.1	410.8	327.9	295.9	309.7	346.1	383.2	407.9	409.3
32.5°	765.6	732.1	598.4	450.8	349.0	312.6	325.7	370.1	413.0	442.8	442.0
35°	903.0	865.2	685.6	497.3	367.2	323.5	337.3	387.5	434.8	470.4	471.1
37.5°	1047.7	994.6	763.4	527.8	381.7	330.1	343.9	399.9	460.2	500.9	502.4
40°	1145.1	1084.7	810.7	543.8	386.1	334.4	349.7	408.6	464.6	494.4	497.3
42.5°	1254.2	1169.1	835.4	530.7	381.0	333.7	351.2	402.1	445.7	466.8	468.9
45°	1404.6	1290.5	862.3	510.4	367.2	331.5	345.3	384.6	413.0	421.0	421.0
47.5°	1600.2	1438.1	907.4	488.6	352.6	325.0	335.2	360.6	371.5	370.1	366.4
50°	1835.1	1647.5	961.9	469.7	338.8	317.0	323.5	338.1	341.7	337.3	335.2
52.5°	2069.2	1816.2	999.7	452.9	330.1	309.7	314.1	325.0	325.0	311.9	309.7
55°	2283.6	1968.8	989.5	421.0	323.5	306.1	310.4	318.4	311.9	296.6	293.7
57.5°	2630.4	2232.8	1015.7	389.7	314.1	305.4	311.2	316.3	306.8	292.3	289.4
60°	2692.2	2221.8	953.9	370.1	307.5	307.5	314.1	319.9	313.4	300.3	299.5
62.5°	2778.0	2232.0	860.1	341.7	303.2	309.0	320.6	329.4	328.6	319.2	317.7
64°	2838.4	2246.6	826.6	328.6	299.5	309.0	325.7	338.8	338.8	327.9	327.9
65°	2778.8	2191.3	801.9	322.1	295.9	309.0	328.6	344.6	343.2	334.4	333.0
67.5°	2598.5	2011.7	697.2	307.5	287.9	309.0	336.6	354.1	356.3	349.0	346.1
70°	2378.2	1815.4	606.4	290.8	279.9	305.4	336.6	359.9	363.5	355.5	353.3
72.5°	1938.3	1459.9	500.2	272.6	268.3	296.6	332.3	357.0	360.6	351.2	348.3
75°	1624.9	1192.4	414.4	255.2	255.9	285.7	321.4	343.9	343.9	333.7	329.4
77.5°	1338.5	962.6	343.2	238.5	241.4	271.9	301.7	316.3	311.9	302.5	296.6
80°	1002.6	727.0	282.8	220.3	223.2	249.4	274.1	284.3	279.9	268.3	266.8
82.5°	733.6	522.7	241.4	201.4	203.6	224.7	242.8	251.6	255.2	245.7	242.8
85°	482.0	368.6	207.2	182.5	183.9	199.9	211.6	218.8	226.8	223.9	222.5
87.5°	314.8	255.2	175.2	160.7	162.1	175.2	183.2	190.5	206.5	208.7	205.8
90°	211.6	178.9	144.7	138.9	141.0	152.0	156.3	163.6	181.0	183.9	183.9
92.5°	141.8	128.0	117.1	117.1	120.7	130.1	130.9	133.0	147.6	151.2	149.8
95°	99.6	95.2	94.5	96.0	100.3	107.6	104.0	102.5	112.0	112.7	111.2
97.5°	76.3	74.9	76.3	78.5	80.7	88.0	84.3	80.7	85.1	83.6	85.1
100°	61.1	60.3	62.5	62.5	64.7	71.3	68.3	66.2	66.9	64.0	64.0
102.5°	48.7	48.7	50.9	51.6	53.1	58.2	57.4	55.3	53.8	50.9	51.6
105°	37.8	38.5	41.4	42.2	44.3	48.7	48.0	45.1	43.6	40.0	40.7
107.5°	30.5	32.0	34.2	34.9	37.1	40.7	39.3	36.4	34.2	32.7	32.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.4	26.2	28.4	29.1	31.3	34.2	33.4	29.8	26.9	26.2	26.9
112.5°	21.1	22.5	24.0	24.7	26.9	29.1	26.9	24.0	21.8	22.5	22.5
115°	18.2	18.9	20.4	21.1	22.5	24.7	22.5	19.6	18.2	18.9	19.6
117.5°	16.7	17.4	18.2	18.2	19.6	21.1	18.9	16.7	16.0	16.7	17.4
120°	14.5	15.3	16.0	16.7	17.4	18.2	16.7	14.5	13.8	15.3	15.3
122.5°	13.1	13.8	13.8	14.5	15.3	16.0	14.5	13.1	12.4	13.1	13.8
125°	11.6	12.4	13.1	13.1	13.8	13.8	13.1	11.6	11.6	12.4	12.4
127.5°	10.9	11.6	11.6	12.4	12.4	12.4	11.6	10.2	10.9	11.6	11.6
130°	10.9	10.9	10.9	10.9	10.9	10.9	10.2	9.5	10.2	10.9	10.9
132.5°	10.2	10.2	10.2	10.2	10.2	9.5	8.7	8.7	9.5	10.2	10.2
135°	9.5	9.5	8.7	8.7	8.7	8.7	8.0	8.0	8.0	8.7	8.7
137.5°	8.0	8.0	7.3	7.3	7.3	7.3	6.5	6.5	7.3	8.0	8.0
140°	6.5	6.5	5.8	5.8	5.8	5.8	5.8	5.8	6.5	6.5	7.3
142.5°	5.1	5.1	5.1	4.4	4.4	5.1	5.1	5.1	5.8	5.8	5.8
145°	4.4	4.4	4.4	3.6	3.6	4.4	4.4	4.4	5.1	5.1	5.1
147.5°	3.6	3.6	3.6	2.9	2.2	3.6	3.6	3.6	4.4	3.6	3.6
150°	3.6	3.6	2.9	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.2	1.5	1.5	2.2	2.9	2.2	2.2	2.2
155°	2.9	2.9	2.2	2.2	1.5	0.7	1.5	2.2	1.5	1.5	1.5
157.5°	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7	0.7
160°	2.2	2.2	1.5	1.5	0.7	0.7	1.5	1.5	0.7	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

(END OF REPORT)