

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: P417403

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417403  
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-PA1-90-830-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1180mA 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: 7444 lumens  
Efficiency: N/A  
Efficacy: 79.2 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

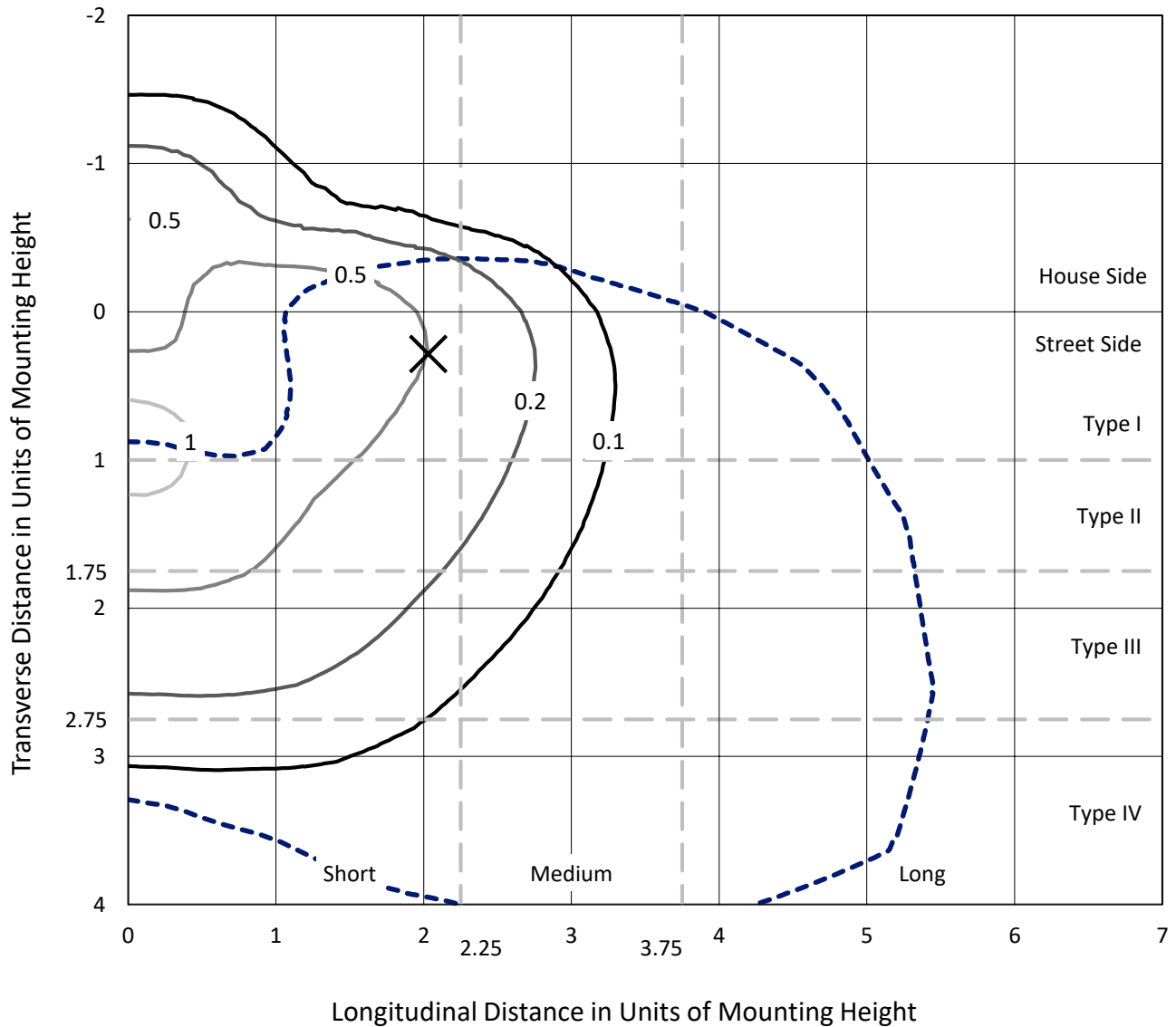
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

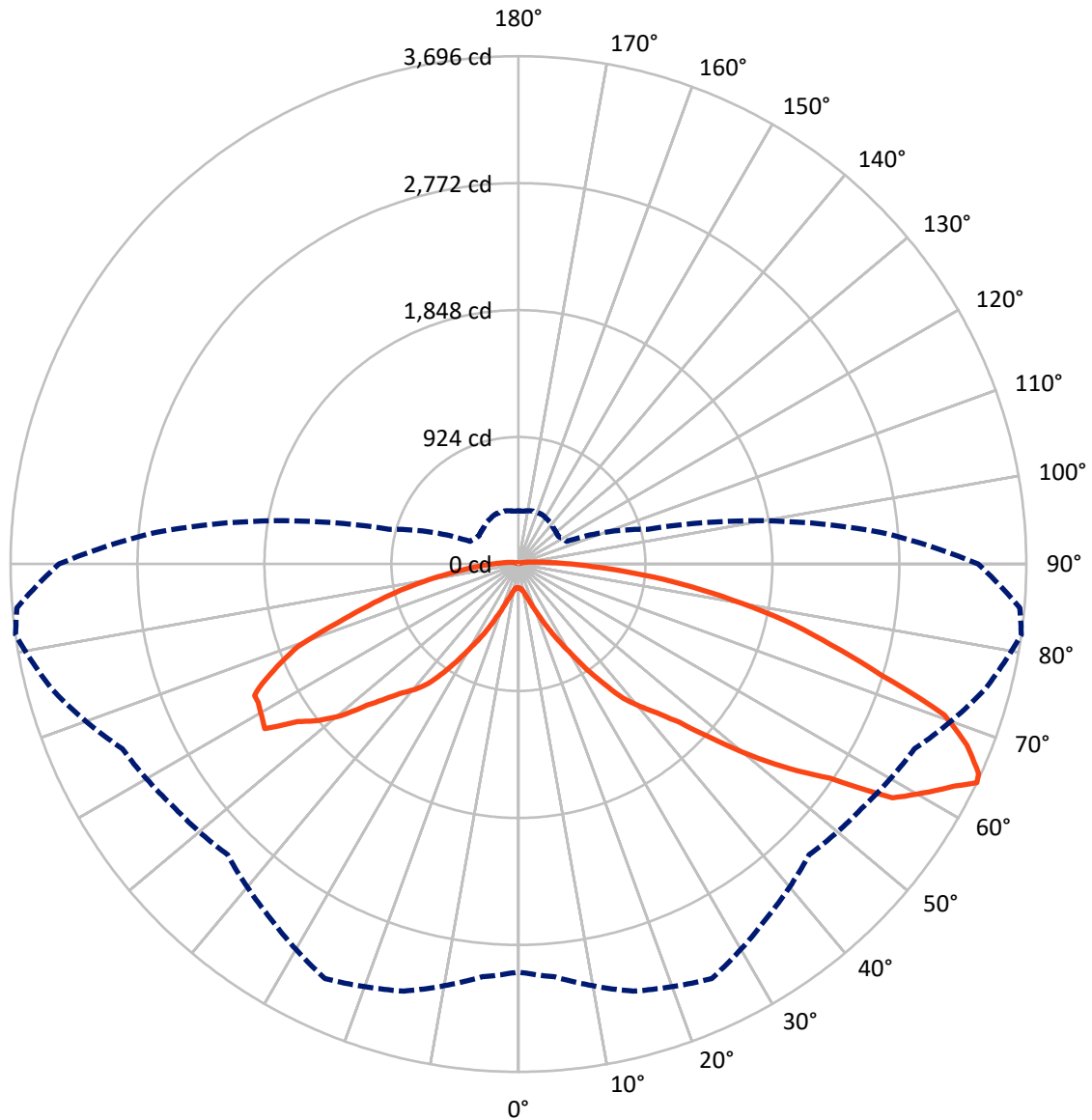


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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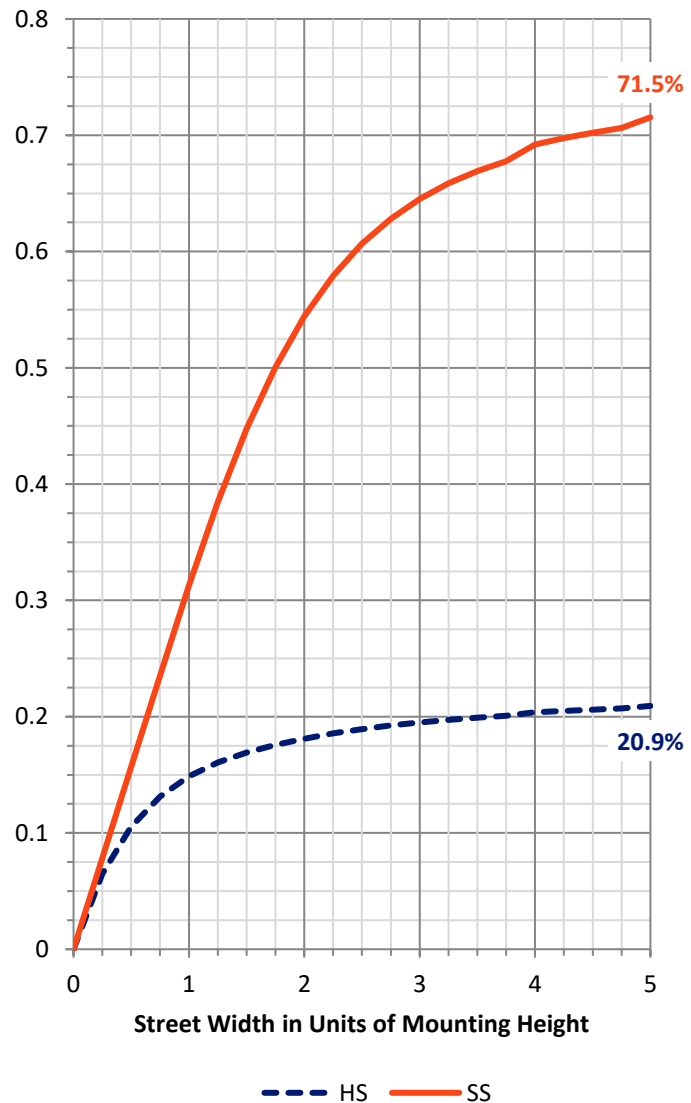
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1636.4	122.6	1759.0
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	5524.3	160.6	5685.0
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	7160.8	283.2	7444.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	0.2
10°-20°	76.6	1.0
20°-30°	220.7	3.0
30°-40°	506.6	6.8
40°-50°	889.7	12.0
50°-60°	1429.1	19.2
60°-70°	1918.3	25.8
70°-80°	1466.7	19.7
80°-90°	635.3	8.5
90°-100°	178.4	2.4
100°-110°	54.2	0.7
110°-120°	23.8	0.3
120°-130°	13.6	0.2
130°-140°	8.3	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7160.8	96.2
0°-180°	7444.0	100.0



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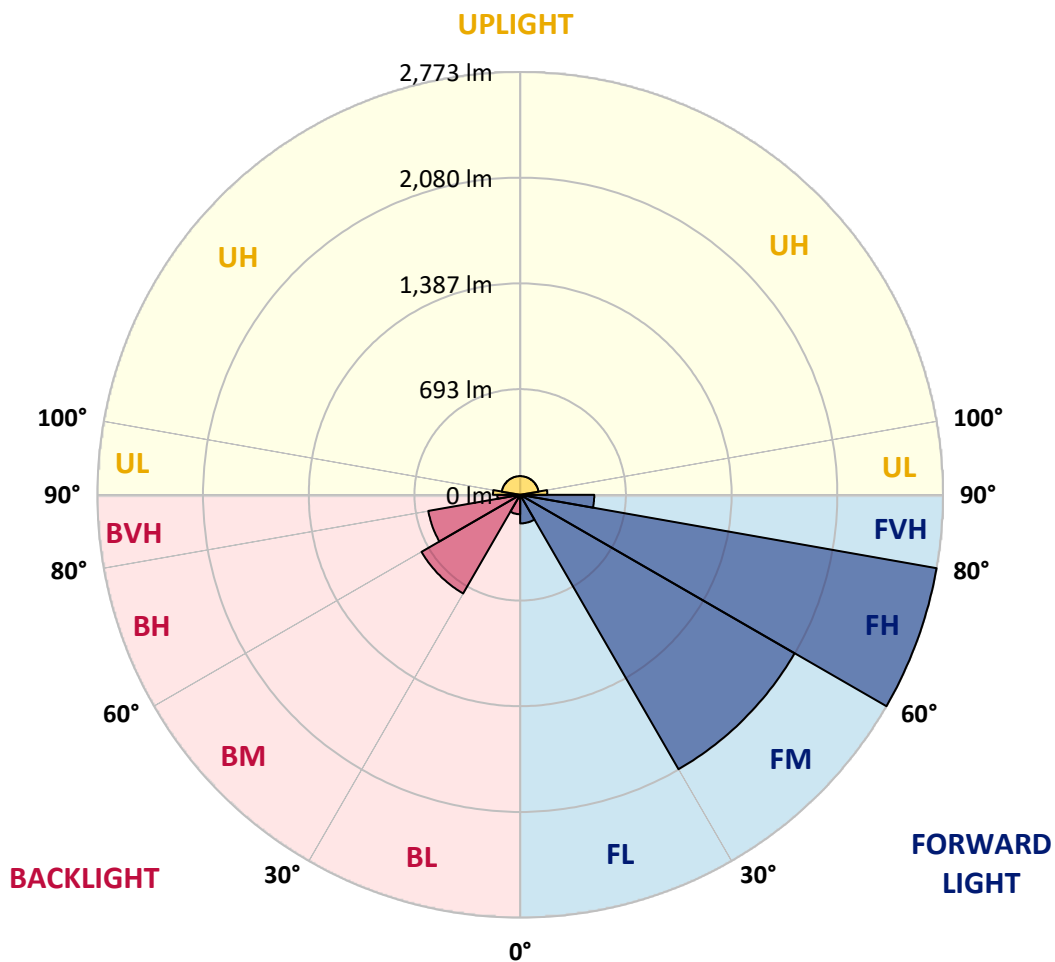
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.4	2.5			
FM	(30°-60°)	2078.0	27.9			
FH	(60°-80°)	2773.3	37.3			G2/5000
FVH	(80°-90°)	485.6	6.5			G3/500
BL	(0°-30°)	127.7	1.7	B1/500		
BM	(30°-60°)	747.4	10.0	B1/1000		
BH	(60°-80°)	611.7	8.2	B2/1000		G2/1000
BVH	(80°-90°)	149.6	2.0			G2/225
UL	(90°-100°)	178.4	2.4		U3/500	
UH	(100°-180°)	122.6	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°	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9
2.5°	186.8	185.9	185.9	186.8	186.8	185.1	181.6	179.1	176.5	175.6	174.8
5°	203.9	203.1	202.2	203.1	200.5	197.9	192.8	187.6	184.2	180.8	179.9
7.5°	227.0	226.2	225.3	223.6	220.2	215.0	207.3	200.5	194.5	190.2	188.5
10°	257.0	253.6	252.7	249.3	243.3	234.8	226.2	217.6	210.8	204.8	202.2
12.5°	298.2	298.2	291.3	283.6	273.3	260.5	249.3	242.5	235.6	232.2	227.0
15°	348.7	347.0	340.1	327.3	310.1	295.6	283.6	275.0	270.7	264.7	262.2
17.5°	404.4	401.0	395.0	375.3	354.7	339.3	325.6	317.0	314.4	309.3	308.4
20°	477.2	472.1	457.5	433.5	405.2	388.1	375.3	365.8	365.0	366.7	365.8
22.5°	563.7	560.3	542.3	498.6	466.9	442.1	424.9	426.7	437.8	442.9	436.1
25°	667.4	670.8	640.9	582.6	540.6	498.6	491.8	501.2	526.0	539.8	540.6
27.5°	789.9	789.1	749.7	685.4	620.3	573.2	562.0	589.4	624.6	644.3	644.3
30°	927.0	939.0	883.3	799.4	708.5	652.8	644.3	686.3	723.1	758.2	768.5
32.5°	1109.5	1106.9	1035.0	933.9	813.1	734.2	727.4	780.5	863.6	912.4	912.4
35°	1336.5	1327.1	1226.9	1075.2	913.3	825.1	825.9	899.6	1009.3	1069.2	1075.2
37.5°	1531.9	1539.6	1438.5	1254.3	1042.7	928.7	939.0	1038.4	1170.3	1240.6	1264.6
40°	1740.9	1743.5	1632.1	1431.6	1182.3	1039.2	1064.1	1178.9	1304.0	1362.2	1385.4
42.5°	1925.1	1940.5	1829.2	1609.8	1323.7	1174.6	1186.6	1286.8	1411.1	1480.5	1513.0
45°	2051.9	2060.5	1992.0	1773.5	1477.0	1312.5	1310.8	1404.2	1564.4	1641.5	1693.8
47.5°	2224.1	2247.3	2148.7	1938.0	1634.7	1453.1	1438.5	1558.4	1769.2	1894.3	1938.8
50°	2426.3	2461.5	2392.1	2137.6	1814.6	1618.4	1621.0	1764.1	2023.7	2187.3	2233.6
52.5°	2627.7	2641.4	2595.1	2377.5	2023.7	1811.2	1831.7	2010.8	2309.0	2476.9	2505.1
55°	2735.6	2755.3	2769.0	2596.8	2274.7	2039.9	2075.9	2291.8	2552.3	2749.3	2813.6
57.5°	2838.4	2865.8	2901.8	2784.4	2524.0	2322.7	2357.8	2549.7	2930.1	3211.1	3259.9
60°	3012.3	3036.3	3105.7	3009.8	2752.7	2592.5	2629.4	2899.3	3190.6	3384.2	3389.3
62.5°	3009.8	3047.5	3215.4	3239.4	2997.8	2852.1	2942.1	3087.7	3318.2	3561.5	3556.4
64°	2968.7	3015.8	3218.0	3329.3	3146.9	2992.6	3070.6	3180.3	3516.1	3696.0	3663.5
65°	2939.5	2991.8	3210.3	3352.5	3228.2	3072.3	3130.6	3257.4	3573.5	3680.6	3636.1
67.5°	2779.3	2837.6	3127.2	3349.9	3312.2	3197.4	3216.3	3334.5	3478.4	3520.4	3440.7
70°	2492.3	2523.1	2852.1	3209.4	3229.1	3119.4	3170.8	3231.7	3310.5	3289.9	3185.4
72.5°	1967.1	2030.5	2362.9	2871.8	2984.1	2905.3	2925.0	2954.9	2875.3	2757.0	2632.8
75°	1400.8	1457.3	1767.5	2265.3	2598.5	2566.8	2594.3	2546.3	2458.0	2350.1	2228.4
77.5°	974.1	992.1	1248.3	1709.2	2076.8	2173.6	2232.7	2165.0	2115.3	1986.0	1888.3
80°	630.6	660.6	821.6	1238.0	1645.8	1843.7	1938.8	1895.1	1779.5	1573.0	1461.6
82.5°	390.7	414.7	541.5	879.0	1304.8	1579.9	1671.5	1611.6	1426.5	1196.0	1084.7
85°	223.6	228.8	317.0	572.3	953.6	1255.1	1377.7	1281.7	1066.7	843.9	746.2
87.5°	128.5	132.8	189.3	350.4	659.7	945.9	1062.4	922.7	716.2	542.3	478.1
90°	82.2	87.4	122.5	228.8	424.9	676.0	761.7	633.1	479.8	343.6	302.4
92.5°	56.5	59.1	82.2	142.2	274.2	446.4	508.9	423.2	299.0	219.3	194.5
95°	41.1	42.8	58.3	96.8	176.5	280.2	314.4	268.2	196.2	145.6	130.2
97.5°	33.4	34.3	45.4	71.1	121.7	178.2	188.5	167.1	130.2	103.7	97.7
100°	28.3	29.1	37.7	54.8	86.5	116.5	119.1	112.2	91.7	77.1	73.7
102.5°	25.7	25.7	31.7	44.6	65.1	83.1	83.1	77.1	63.4	56.5	56.5
105°	23.1	23.1	27.4	36.8	51.4	64.3	63.4	56.5	48.0	42.8	43.7
107.5°	20.6	20.6	24.0	30.0	42.0	50.5	48.8	42.0	36.8	33.4	34.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	18.8	18.8	21.4	25.7	35.1	42.0	39.4	32.6	27.4	27.4	28.3
112.5°	17.1	17.1	18.8	23.1	30.0	34.3	31.7	25.7	22.3	22.3	23.1
115°	15.4	15.4	17.1	20.6	26.6	29.1	26.6	20.6	18.0	18.8	20.6
117.5°	14.6	14.6	16.3	18.8	23.1	24.8	22.3	17.1	15.4	17.1	18.0
120°	13.7	13.7	15.4	18.0	21.4	22.3	18.8	15.4	13.7	15.4	16.3
122.5°	13.7	13.7	14.6	17.1	19.7	19.7	17.1	13.7	12.0	13.7	14.6
125°	13.7	13.7	14.6	16.3	18.0	18.0	15.4	12.0	11.1	12.9	12.9
127.5°	14.6	14.6	15.4	16.3	17.1	16.3	13.7	11.1	10.3	12.0	12.0
130°	14.6	14.6	14.6	15.4	15.4	14.6	12.0	10.3	10.3	11.1	12.0
132.5°	14.6	14.6	14.6	14.6	14.6	12.9	11.1	9.4	10.3	11.1	12.0
135°	13.7	13.7	13.7	13.7	12.9	11.1	9.4	7.7	9.4	10.3	10.3
137.5°	12.0	12.9	12.0	12.0	12.0	10.3	7.7	6.9	7.7	9.4	9.4
140°	11.1	11.1	11.1	11.1	10.3	8.6	6.9	5.1	6.0	7.7	7.7
142.5°	10.3	10.3	10.3	9.4	9.4	7.7	5.1	4.3	5.1	6.0	6.0
145°	8.6	8.6	8.6	8.6	7.7	6.0	4.3	3.4	4.3	5.1	5.1
147.5°	6.9	6.9	6.9	6.9	6.0	5.1	3.4	3.4	4.3	4.3	4.3
150°	5.1	6.0	6.0	6.0	5.1	4.3	2.6	2.6	3.4	4.3	4.3
152.5°	4.3	4.3	4.3	5.1	4.3	2.6	1.7	2.6	3.4	3.4	3.4
155°	2.6	3.4	3.4	3.4	3.4	2.6	1.7	2.6	2.6	3.4	3.4
157.5°	1.7	1.7	2.6	2.6	2.6	2.6	1.7	1.7	2.6	2.6	2.6
160°	0.9	0.9	1.7	2.6	2.6	2.6	1.7	1.7	2.6	2.6	2.6
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°	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9
2.5°	173.9	173.1	171.4	169.6	168.8	168.8	167.1	166.2	163.6	163.6	162.8
5°	177.3	175.6	172.2	168.8	166.2	165.4	163.6	161.1	159.4	158.5	158.5
7.5°	185.1	182.5	175.6	171.4	167.9	165.4	163.6	161.1	159.4	158.5	158.5
10°	197.9	193.6	185.9	178.2	173.1	169.6	167.9	167.1	166.2	165.4	165.4
12.5°	222.8	216.8	203.9	194.5	184.2	179.1	177.3	179.1	183.3	185.1	185.9
15°	257.0	249.3	233.9	216.8	201.3	192.8	196.2	204.8	212.5	215.9	215.0
17.5°	299.9	287.9	269.0	245.9	224.5	220.2	223.6	233.0	244.2	249.3	248.5
20°	354.7	345.3	317.0	279.3	255.3	248.5	251.0	263.0	279.3	284.4	286.2
22.5°	430.1	416.4	372.7	320.4	288.7	275.9	278.4	293.9	316.1	328.1	330.7
25°	527.8	513.2	448.9	369.3	319.6	299.9	310.1	330.7	366.7	385.5	383.8
27.5°	640.9	616.0	532.0	429.2	355.6	324.7	340.1	373.5	411.2	435.2	433.5
30°	745.4	724.0	611.7	484.1	386.4	348.7	365.0	407.8	451.5	480.6	482.4
32.5°	902.2	862.8	705.1	531.2	411.2	368.4	383.8	436.1	486.6	521.8	520.9
35°	1064.1	1019.5	807.9	586.0	432.7	381.3	397.5	456.6	512.3	554.3	555.2
37.5°	1234.6	1172.0	899.6	622.0	449.8	389.0	405.2	471.2	542.3	590.3	592.0
40°	1349.4	1278.3	955.3	640.9	454.9	394.1	412.1	481.5	547.5	582.6	586.0
42.5°	1477.9	1377.7	984.4	625.4	448.9	393.2	413.8	473.8	525.2	550.0	552.6
45°	1655.2	1520.7	1016.1	601.4	432.7	390.7	407.0	453.2	486.6	496.1	496.1
47.5°	1885.7	1694.7	1069.2	575.7	415.5	383.0	395.0	424.9	437.8	436.1	431.8
50°	2162.4	1941.4	1133.5	553.5	399.2	373.5	381.3	398.4	402.7	397.5	395.0
52.5°	2438.3	2140.2	1178.0	533.8	389.0	365.0	370.1	383.0	383.0	367.5	365.0
55°	2691.1	2320.1	1166.0	496.1	381.3	360.7	365.8	375.3	367.5	349.6	346.1
57.5°	3099.7	2631.1	1196.9	459.2	370.1	359.8	366.7	372.7	361.6	344.4	341.0
60°	3172.6	2618.2	1124.1	436.1	362.4	362.4	370.1	377.0	369.3	353.8	353.0
62.5°	3273.7	2630.2	1013.5	402.7	357.3	364.1	377.8	388.1	387.3	376.1	374.4
64°	3344.8	2647.4	974.1	387.3	353.0	364.1	383.8	399.2	399.2	386.4	386.4
65°	3274.5	2582.3	945.0	379.5	348.7	364.1	387.3	406.1	404.4	394.1	392.4
67.5°	3062.0	2370.6	821.6	362.4	339.3	364.1	396.7	417.2	419.8	411.2	407.8
70°	2802.4	2139.3	714.5	342.7	329.9	359.8	396.7	424.1	428.4	419.0	416.4
72.5°	2284.1	1720.4	589.4	321.3	316.1	349.6	391.5	420.7	424.9	413.8	410.4
75°	1914.8	1405.1	488.3	300.7	301.6	336.7	378.7	405.2	405.2	393.2	388.1
77.5°	1577.3	1134.3	404.4	281.0	284.4	320.4	355.6	372.7	367.5	356.4	349.6
80°	1181.5	856.8	333.3	259.6	263.0	293.9	323.0	335.0	329.9	316.1	314.4
82.5°	864.5	616.0	284.4	237.3	239.9	264.7	286.2	296.4	300.7	289.6	286.2
85°	568.0	434.4	244.2	215.0	216.8	235.6	249.3	257.9	267.3	263.9	262.2
87.5°	371.0	300.7	206.5	189.3	191.1	206.5	215.9	224.5	243.3	245.9	242.5
90°	249.3	210.8	170.5	163.6	166.2	179.1	184.2	192.8	213.3	216.8	216.8
92.5°	167.1	150.8	137.9	137.9	142.2	153.4	154.2	156.8	173.9	178.2	176.5
95°	117.4	112.2	111.4	113.1	118.2	126.8	122.5	120.8	131.9	132.8	131.1
97.5°	90.0	88.2	90.0	92.5	95.1	103.7	99.4	95.1	100.2	98.5	100.2
100°	72.0	71.1	73.7	73.7	76.3	84.0	80.5	78.0	78.8	75.4	75.4
102.5°	57.4	57.4	60.0	60.8	62.5	68.5	67.7	65.1	63.4	60.0	60.8
105°	44.6	45.4	48.8	49.7	52.3	57.4	56.5	53.1	51.4	47.1	48.0
107.5°	36.0	37.7	40.3	41.1	43.7	48.0	46.3	42.8	40.3	38.6	38.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.0	30.8	33.4	34.3	36.8	40.3	39.4	35.1	31.7	30.8	31.7
112.5°	24.8	26.6	28.3	29.1	31.7	34.3	31.7	28.3	25.7	26.6	26.6
115°	21.4	22.3	24.0	24.8	26.6	29.1	26.6	23.1	21.4	22.3	23.1
117.5°	19.7	20.6	21.4	21.4	23.1	24.8	22.3	19.7	18.8	19.7	20.6
120°	17.1	18.0	18.8	19.7	20.6	21.4	19.7	17.1	16.3	18.0	18.0
122.5°	15.4	16.3	16.3	17.1	18.0	18.8	17.1	15.4	14.6	15.4	16.3
125°	13.7	14.6	15.4	15.4	16.3	16.3	15.4	13.7	13.7	14.6	14.6
127.5°	12.9	13.7	13.7	14.6	14.6	14.6	13.7	12.0	12.9	13.7	13.7
130°	12.9	12.9	12.9	12.9	12.9	12.9	12.0	11.1	12.0	12.9	12.9
132.5°	12.0	12.0	12.0	12.0	12.0	11.1	10.3	10.3	11.1	12.0	12.0
135°	11.1	11.1	10.3	10.3	10.3	10.3	9.4	9.4	9.4	10.3	10.3
137.5°	9.4	9.4	8.6	8.6	8.6	8.6	7.7	7.7	8.6	9.4	9.4
140°	7.7	7.7	6.9	6.9	6.9	6.9	6.9	6.9	7.7	7.7	8.6
142.5°	6.0	6.0	6.0	5.1	5.1	6.0	6.0	6.0	6.9	6.9	6.9
145°	5.1	5.1	5.1	4.3	4.3	5.1	5.1	5.1	6.0	6.0	6.0
147.5°	4.3	4.3	4.3	3.4	2.6	4.3	4.3	4.3	5.1	4.3	4.3
150°	4.3	4.3	3.4	2.6	2.6	2.6	3.4	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	2.6	1.7	1.7	2.6	3.4	2.6	2.6	2.6
155°	3.4	3.4	2.6	2.6	1.7	0.9	1.7	2.6	1.7	1.7	1.7
157.5°	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9	0.9
160°	2.6	2.6	1.7	1.7	0.9	0.9	1.7	1.7	0.9	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)