

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: P416951

Luminaire Tested: **LXF.LXT-PA1-80-830-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-830-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6778 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

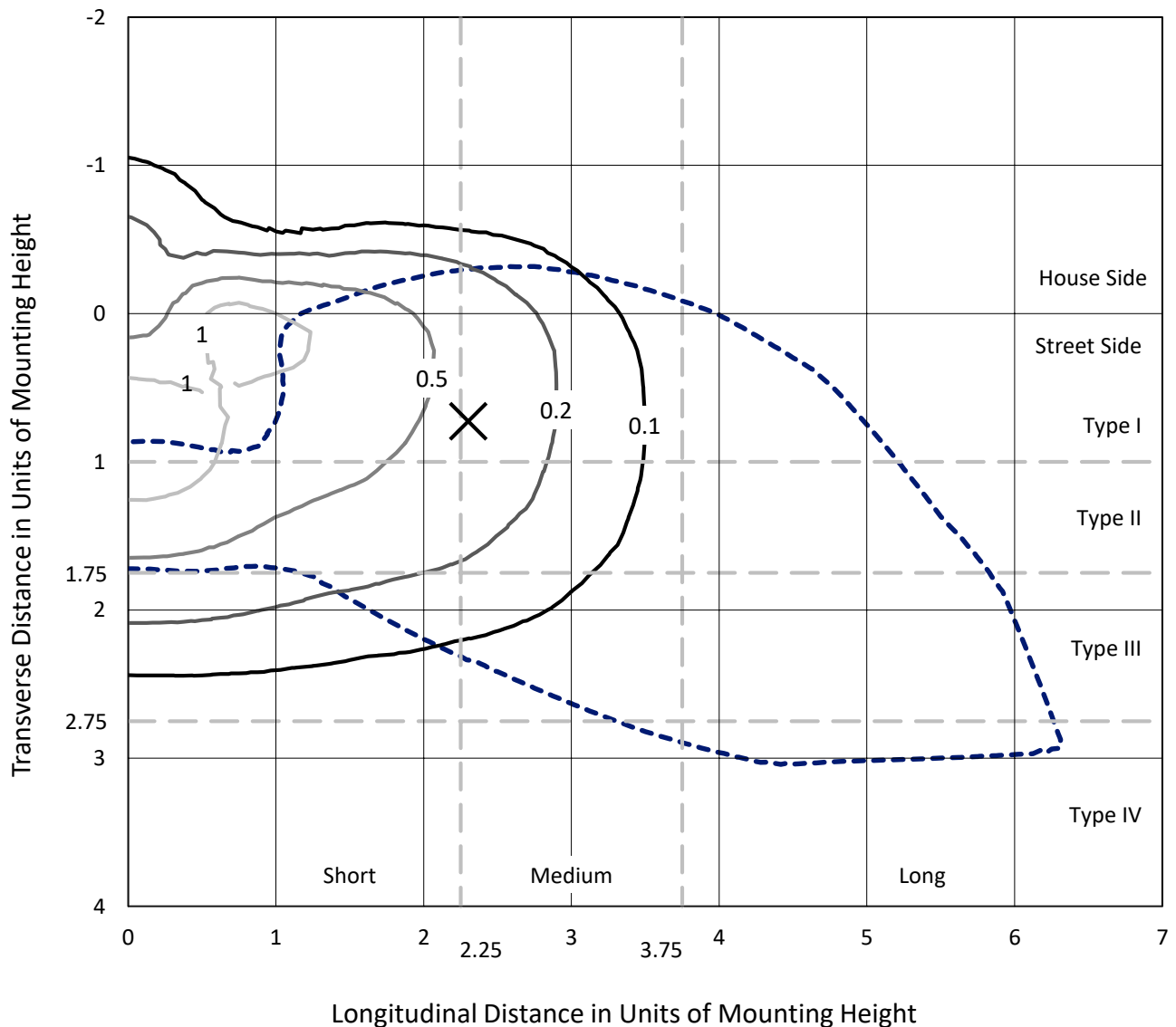
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

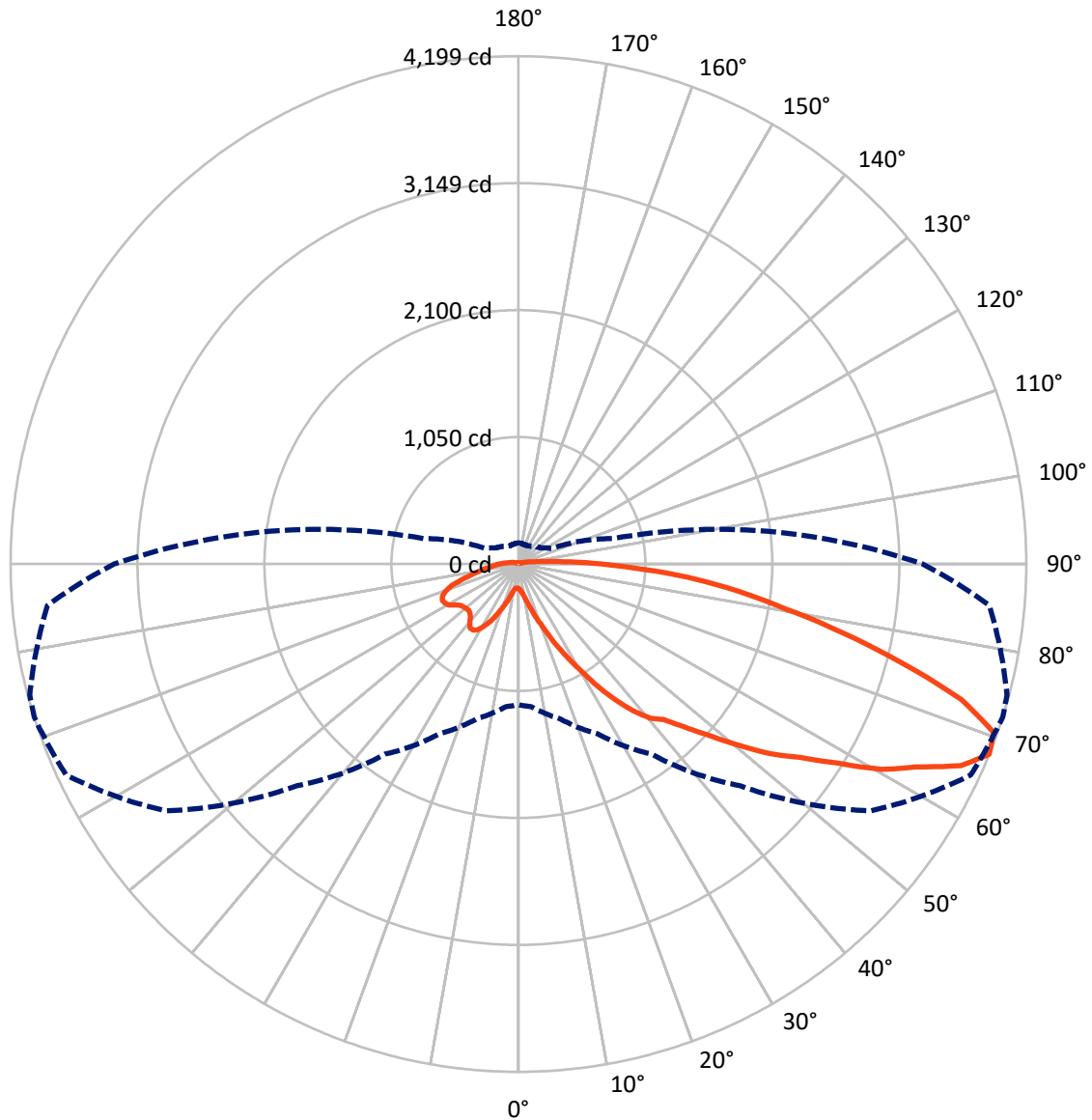
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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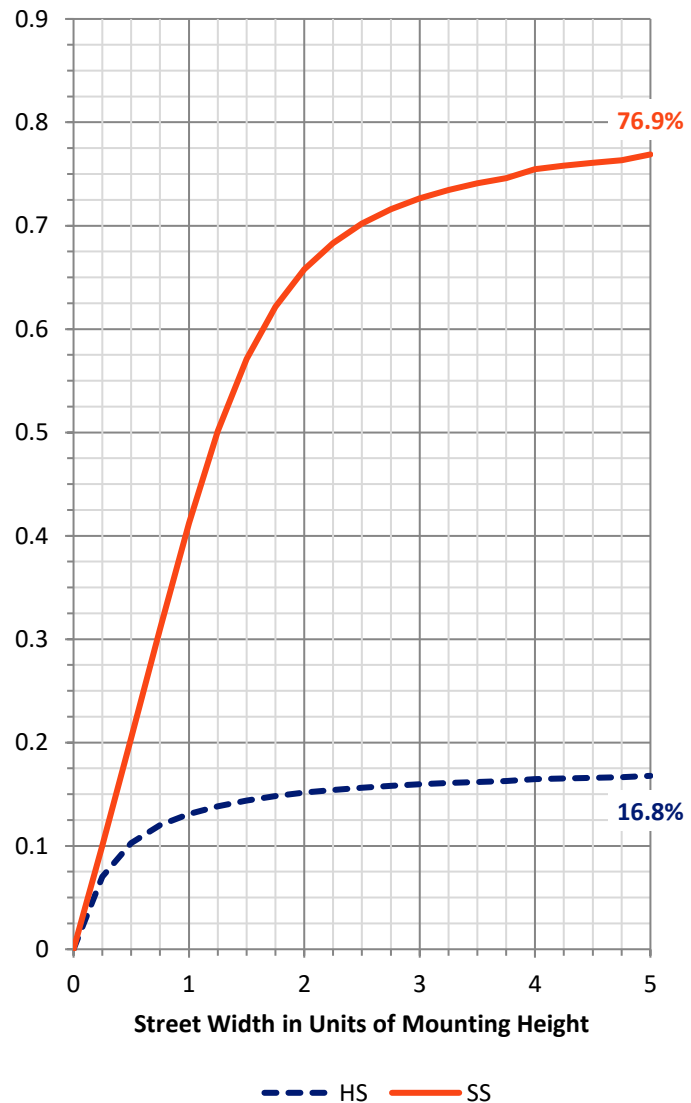
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1186.0	104.2	1290.2
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	5340.4	147.4	5487.8
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	6526.4	251.7	6778.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.2	0.3
10°-20°	91.5	1.3
20°-30°	253.5	3.7
30°-40°	545.1	8.0
40°-50°	922.6	13.6
50°-60°	1353.6	20.0
60°-70°	1614.3	23.8
70°-80°	1205.5	17.8
80°-90°	519.2	7.7
90°-100°	150.6	2.2
100°-110°	49.0	0.7
110°-120°	23.0	0.3
120°-130°	14.0	0.2
130°-140°	9.0	0.1
140°-150°	4.0	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6526.4	96.3
0°-180°	6778.0	100.0

**Coefficient of Utilization**



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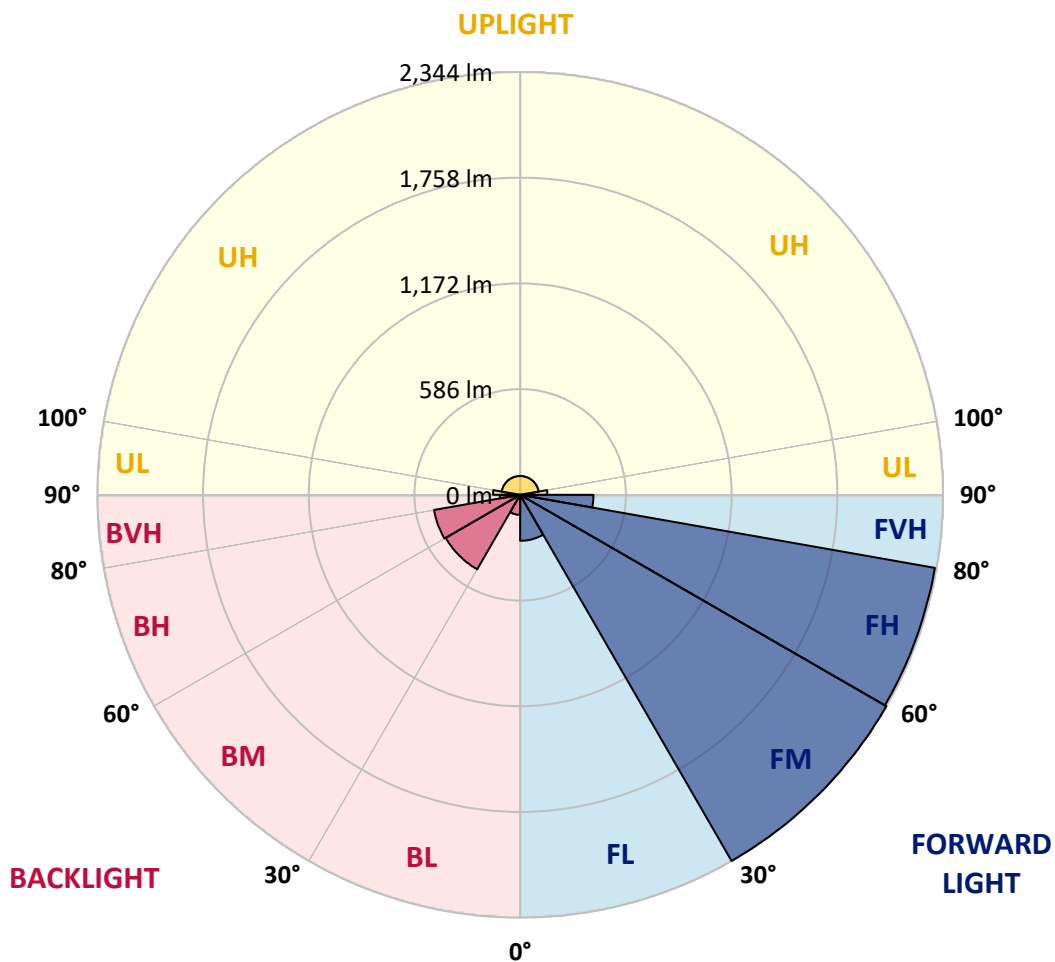
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.1	3.8			
FM	(30°-60°)	2344.3	34.6			
FH	(60°-80°)	2334.9	34.4			G2/5000
FVH	(80°-90°)	406.1	6.0			G3/500
BL	(0°-30°)	111.1	1.6	B1/500		
BM	(30°-60°)	476.9	7.0	B1/1000		
BH	(60°-80°)	484.9	7.2	B1/500		G1/500
BVH	(80°-90°)	113.1	1.7			G2/225
UL	(90°-100°)	150.6	2.2		U3/500	
UH	(100°-180°)	104.2	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	222.5	224.1	225.7	224.9	224.1	221.7	217.7	213.8	209.8	209.8	206.6
5°	254.3	253.5	252.7	253.5	249.5	244.0	237.6	230.5	224.9	223.3	215.4
7.5°	290.9	289.3	290.9	286.1	280.5	273.4	263.8	254.3	244.8	243.2	230.5
10°	334.6	333.0	332.2	328.2	317.9	307.5	298.0	282.9	275.8	273.4	256.7
12.5°	389.4	388.6	383.8	375.9	362.4	352.0	338.5	330.6	323.4	317.9	301.2
15°	452.2	453.8	448.2	431.5	414.8	398.9	392.6	386.2	380.7	378.3	364.0
17.5°	540.4	537.2	524.5	499.1	472.0	459.3	453.8	449.8	455.4	453.8	431.5
20°	649.3	641.3	621.4	577.7	544.4	523.7	518.9	526.1	529.3	537.2	522.1
22.5°	777.2	766.9	733.5	684.2	635.7	596.8	592.0	613.5	633.4	635.7	629.4
25°	902.0	892.4	863.0	798.7	733.5	681.8	670.7	718.4	758.1	765.3	774.0
27.5°	1029.9	1025.1	982.2	912.3	840.8	775.6	774.0	825.7	887.7	904.3	919.4
30°	1175.3	1186.5	1132.4	1044.2	954.4	878.9	874.9	951.2	1027.5	1063.3	1088.7
32.5°	1380.4	1370.8	1303.3	1204.7	1071.2	983.0	988.6	1077.6	1206.3	1236.5	1269.9
35°	1615.6	1618.8	1526.6	1373.2	1215.9	1107.0	1103.0	1227.0	1376.4	1401.8	1457.4
37.5°	1808.7	1824.6	1756.2	1579.8	1378.0	1237.3	1242.9	1382.0	1539.3	1590.2	1638.6
40°	2016.1	2030.4	1950.9	1779.3	1554.4	1381.2	1389.1	1524.2	1674.4	1715.7	1727.6
42.5°	2242.6	2256.9	2160.7	1957.3	1703.0	1554.4	1523.4	1626.7	1757.8	1809.5	1819.8
45°	2454.8	2479.4	2382.5	2143.3	1869.1	1710.2	1663.3	1746.7	1918.4	1966.0	1977.2
47.5°	2519.9	2549.3	2507.2	2311.7	2028.0	1844.5	1813.5	1929.5	2114.6	2185.4	2171.1
50°	2582.7	2609.7	2584.3	2411.1	2159.9	2000.2	2007.4	2142.5	2352.3	2442.8	2431.7
52.5°	2592.2	2620.1	2593.8	2472.3	2272.8	2157.6	2237.0	2396.8	2605.0	2670.9	2655.0
55°	2608.1	2626.4	2602.6	2465.1	2354.6	2325.2	2475.4	2657.4	2822.7	2901.4	2875.2
57.5°	2387.2	2394.4	2481.0	2444.4	2372.1	2511.2	2744.0	2908.5	3103.2	3220.8	3207.3
60°	2069.3	2084.4	2191.7	2276.0	2360.2	2643.9	3007.9	3256.6	3447.3	3524.4	3451.3
62.5°	1807.9	1824.6	1937.4	2045.5	2259.3	2702.7	3283.6	3568.1	3693.7	3763.6	3677.0
65°	1456.7	1469.4	1606.8	1819.0	2094.8	2679.7	3490.2	3892.3	4018.7	4046.5	3878.8
67.5°	1164.2	1183.3	1323.1	1549.6	1918.4	2592.2	3557.8	4126.0	4199.1	4182.4	3908.2
70°	866.2	875.7	1046.6	1334.3	1709.4	2401.5	3493.4	4178.4	4167.3	4145.9	3770.0
72.5°	596.8	595.2	755.7	1036.3	1491.6	2183.8	3193.8	3882.0	3829.6	3773.9	3297.9
75°	385.4	406.9	507.0	753.4	1206.3	1869.1	2806.0	3371.0	3282.0	3193.8	2717.0
77.5°	259.9	275.0	356.0	539.6	921.8	1571.9	2415.0	2895.0	2746.4	2666.2	2193.3
80°	178.8	185.2	247.1	396.5	685.8	1246.9	1978.0	2396.0	2233.8	2138.5	1702.2
82.5°	125.6	130.3	172.4	292.4	516.5	931.4	1579.0	1993.1	1823.0	1753.9	1322.3
85°	90.6	93.8	124.0	217.7	392.6	699.3	1201.6	1550.4	1402.6	1349.4	944.9
87.5°	67.5	70.7	93.8	161.3	302.0	531.6	896.4	1110.2	951.2	882.1	596.8
90°	50.1	53.2	72.3	120.8	236.0	400.5	649.3	758.9	617.5	559.5	380.7
92.5°	37.4	39.7	54.0	88.2	180.4	306.7	457.7	480.0	365.6	333.0	240.0
95°	27.8	29.4	40.5	64.4	128.7	223.3	299.6	280.5	215.4	195.5	151.8
97.5°	23.0	23.8	31.8	49.3	90.6	156.6	192.3	172.4	139.1	129.5	104.9
100°	19.1	19.9	25.4	37.4	66.0	107.3	127.1	112.1	97.0	93.0	81.9
102.5°	16.7	17.5	21.5	31.0	49.3	77.1	88.2	80.3	71.5	68.3	63.6
105°	15.1	15.1	19.1	26.2	40.5	58.0	64.4	58.8	53.2	51.7	50.9
107.5°	13.5	13.5	16.7	23.0	33.4	45.3	48.5	43.7	38.9	38.1	40.5
110°	12.7	12.7	15.1	20.7	28.6	37.4	38.1	32.6	29.4	29.4	32.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.9	11.9	14.3	18.3	25.4	31.0	30.2	25.4	23.0	23.0	27.0
115°	11.9	11.9	13.5	17.5	22.3	26.2	24.6	20.7	19.1	19.1	23.0
117.5°	11.9	12.7	13.5	16.7	20.7	23.0	21.5	17.5	16.7	16.7	20.7
120°	12.7	12.7	13.5	16.7	19.1	19.9	18.3	15.1	14.3	15.1	19.1
122.5°	12.7	12.7	14.3	16.7	18.3	18.3	15.9	13.5	13.5	13.5	17.5
125°	13.5	13.5	14.3	16.7	17.5	16.7	14.3	12.7	12.7	13.5	15.9
127.5°	14.3	14.3	15.1	16.7	16.7	15.1	13.5	11.9	11.9	12.7	15.9
130°	15.9	15.9	15.9	16.7	15.1	13.5	11.9	11.1	11.9	12.7	15.9
132.5°	15.9	15.9	15.9	15.9	14.3	11.9	11.1	10.3	11.9	12.7	15.1
135°	14.3	14.3	14.3	14.3	12.7	10.3	9.5	9.5	11.1	11.9	14.3
137.5°	12.7	12.7	12.7	11.9	11.1	9.5	7.9	7.9	9.5	10.3	12.7
140°	11.1	11.1	10.3	10.3	9.5	7.9	7.2	7.2	7.9	8.7	10.3
142.5°	8.7	8.7	8.7	8.7	7.9	6.4	5.6	5.6	7.2	7.9	8.7
145°	7.2	7.2	7.2	7.2	6.4	5.6	4.8	4.8	5.6	6.4	7.2
147.5°	5.6	5.6	6.4	6.4	5.6	4.8	3.2	4.0	4.8	4.8	5.6
150°	4.8	4.8	4.8	5.6	4.0	3.2	2.4	3.2	4.0	4.0	4.8
152.5°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	3.2	3.2	4.0	4.0
155°	2.4	2.4	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2	4.0
157.5°	1.6	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4	3.2
160°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	204.2	202.6	199.5	196.3	193.1	189.9	189.1	187.5	186.8	186.0	186.8
5°	212.2	207.4	200.3	193.1	186.8	181.2	177.2	173.2	170.1	168.5	168.5
7.5°	226.5	218.5	206.6	194.7	183.6	174.0	167.7	162.1	158.1	156.6	155.8
10°	248.7	239.2	221.7	202.6	186.0	171.7	162.1	155.8	151.8	149.4	149.4
12.5°	287.7	276.5	248.7	219.3	192.3	172.4	159.7	153.4	149.4	148.6	149.4
15°	348.9	331.4	290.9	248.7	207.4	174.0	158.1	155.8	157.3	158.1	158.1
17.5°	420.4	396.5	344.9	281.3	224.1	181.2	164.5	162.9	165.3	167.7	169.3
20°	500.6	469.7	395.0	312.3	235.2	191.5	170.9	167.7	173.2	178.0	177.2
22.5°	602.4	565.0	458.5	336.2	243.2	193.9	173.2	170.1	179.6	185.2	186.8
25°	735.9	682.6	533.2	361.6	247.9	190.7	171.7	172.4	186.8	197.9	200.3
27.5°	881.3	804.2	602.4	382.2	247.9	182.8	169.3	178.8	198.7	213.0	214.6
30°	1040.2	933.0	662.8	398.1	240.8	174.8	166.9	182.0	201.8	216.9	218.5
32.5°	1209.5	1066.5	725.5	403.7	230.5	168.5	164.5	179.6	196.3	209.8	213.0
35°	1359.7	1185.7	750.2	395.8	216.2	163.7	158.9	171.7	188.3	205.0	205.8
37.5°	1516.3	1299.3	761.3	373.5	201.8	158.9	154.2	166.1	186.0	205.8	208.2
40°	1583.0	1328.7	729.5	342.5	188.3	155.8	151.8	165.3	186.8	206.6	209.8
42.5°	1651.3	1357.3	690.6	298.0	179.6	155.0	154.2	165.3	182.8	198.7	201.1
45°	1768.2	1420.9	673.1	267.8	174.8	157.3	156.6	162.9	175.6	189.9	194.7
47.5°	1935.0	1517.0	664.4	248.7	174.8	161.3	158.9	160.5	168.5	181.2	185.2
50°	2148.8	1650.6	675.5	238.4	178.8	166.9	162.1	159.7	162.9	176.4	181.2
52.5°	2328.4	1778.5	689.0	236.8	185.2	174.0	166.9	159.7	162.1	178.0	183.6
55°	2516.8	1900.1	704.1	240.8	193.1	179.6	170.1	161.3	162.9	178.0	184.4
57.5°	2790.1	2106.7	743.0	249.5	201.1	186.0	174.0	163.7	162.1	174.0	178.8
60°	3039.7	2303.8	801.0	266.2	210.6	192.3	178.0	165.3	161.3	169.3	172.4
62.5°	3190.6	2410.3	823.3	282.1	220.1	197.9	179.6	165.3	163.7	170.9	173.2
65°	3346.4	2512.0	832.0	294.8	225.7	201.1	179.6	166.9	166.9	171.7	172.4
67.5°	3340.8	2489.7	811.4	301.2	230.5	202.6	179.6	166.9	168.5	173.2	174.0
70°	3194.6	2361.8	759.7	300.4	229.7	200.3	176.4	166.1	172.4	178.0	178.8
72.5°	2765.5	2030.4	676.3	290.9	222.5	193.9	171.7	164.5	174.0	182.0	182.0
75°	2268.8	1653.7	558.7	272.6	213.8	186.0	164.5	158.9	170.9	182.0	182.0
77.5°	1787.2	1294.5	453.0	248.7	201.1	176.4	155.8	149.4	162.9	173.2	172.4
80°	1388.3	981.4	364.0	224.9	186.8	166.1	145.4	138.3	150.2	157.3	155.8
82.5°	1064.9	755.7	300.4	202.6	172.4	154.2	135.1	128.7	139.9	144.6	143.0
85°	727.1	541.2	246.4	178.0	154.2	139.9	124.8	120.0	132.7	138.3	136.7
87.5°	480.0	371.9	205.8	156.6	135.9	125.6	112.8	111.3	125.6	131.1	130.3
90°	317.1	259.9	174.8	135.9	118.4	109.7	101.7	101.7	114.4	119.2	116.0
92.5°	209.0	184.4	138.3	115.2	100.9	95.4	90.6	89.8	100.9	102.5	100.1
95°	142.2	129.5	108.1	95.4	85.0	81.9	77.9	79.5	86.6	85.0	82.6
97.5°	101.7	98.5	87.4	77.9	70.7	69.9	68.3	69.1	73.1	69.9	68.3
100°	81.1	78.7	72.3	65.2	60.4	59.6	58.8	59.6	62.0	58.8	57.2
102.5°	65.2	65.2	60.4	54.8	50.9	51.7	51.7	51.7	52.4	47.7	47.7
105°	52.4	52.4	50.9	46.1	43.7	43.7	44.5	44.5	44.5	41.3	41.3
107.5°	42.1	43.7	42.9	38.9	37.4	38.1	38.1	37.4	37.4	35.8	35.8
110°	34.2	35.8	35.8	33.4	32.6	33.4	32.6	31.8	31.0	31.0	31.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.6	30.2	31.0	29.4	28.6	28.6	27.8	27.0	27.0	27.8	27.8
115°	24.6	26.2	27.0	25.4	25.4	25.4	23.8	23.0	23.0	24.6	24.6
117.5°	22.3	23.0	23.8	23.0	22.3	22.3	21.5	19.9	19.9	21.5	22.3
120°	19.9	20.7	21.5	20.7	19.9	19.1	18.3	17.5	17.5	19.9	19.9
122.5°	18.3	19.1	19.1	18.3	17.5	17.5	16.7	15.9	15.9	17.5	18.3
125°	17.5	17.5	17.5	16.7	15.9	15.1	14.3	14.3	14.3	15.9	15.9
127.5°	16.7	16.7	15.9	15.1	14.3	13.5	13.5	12.7	12.7	14.3	15.1
130°	16.7	16.7	15.1	14.3	13.5	11.9	11.9	11.1	11.9	13.5	13.5
132.5°	15.9	15.9	14.3	13.5	11.9	11.1	10.3	10.3	10.3	11.9	12.7
135°	15.1	14.3	12.7	11.9	10.3	9.5	9.5	9.5	9.5	11.1	11.1
137.5°	13.5	12.7	11.1	10.3	9.5	8.7	7.9	7.9	8.7	9.5	10.3
140°	11.1	11.1	9.5	8.7	7.9	7.2	7.2	7.2	7.9	8.7	8.7
142.5°	9.5	9.5	7.9	7.2	6.4	5.6	6.4	6.4	7.2	7.9	7.9
145°	7.9	7.2	7.2	5.6	5.6	4.8	4.8	5.6	6.4	7.2	7.2
147.5°	6.4	6.4	5.6	4.8	4.0	4.0	4.0	4.8	5.6	5.6	6.4
150°	5.6	5.6	4.8	4.8	3.2	2.4	3.2	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.0	3.2	1.6	2.4	4.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	3.2	2.4	0.8	2.4	3.2	3.2	3.2	3.2
157.5°	3.2	3.2	3.2	3.2	1.6	0.8	1.6	2.4	2.4	2.4	3.2
160°	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	2.4	2.4	2.4
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	1.6	1.6	1.6
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)