

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: P254692

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6214.4 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

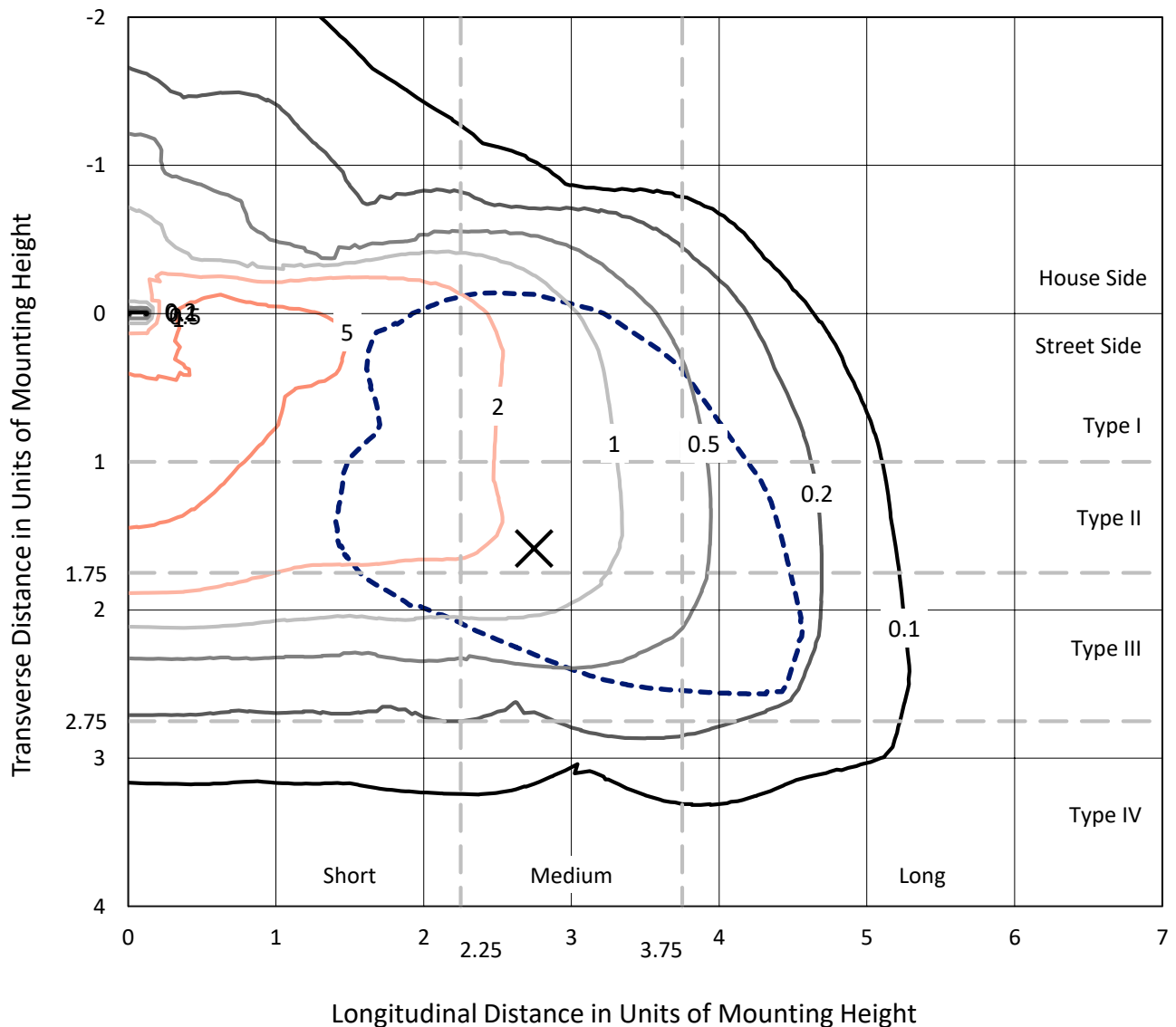
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

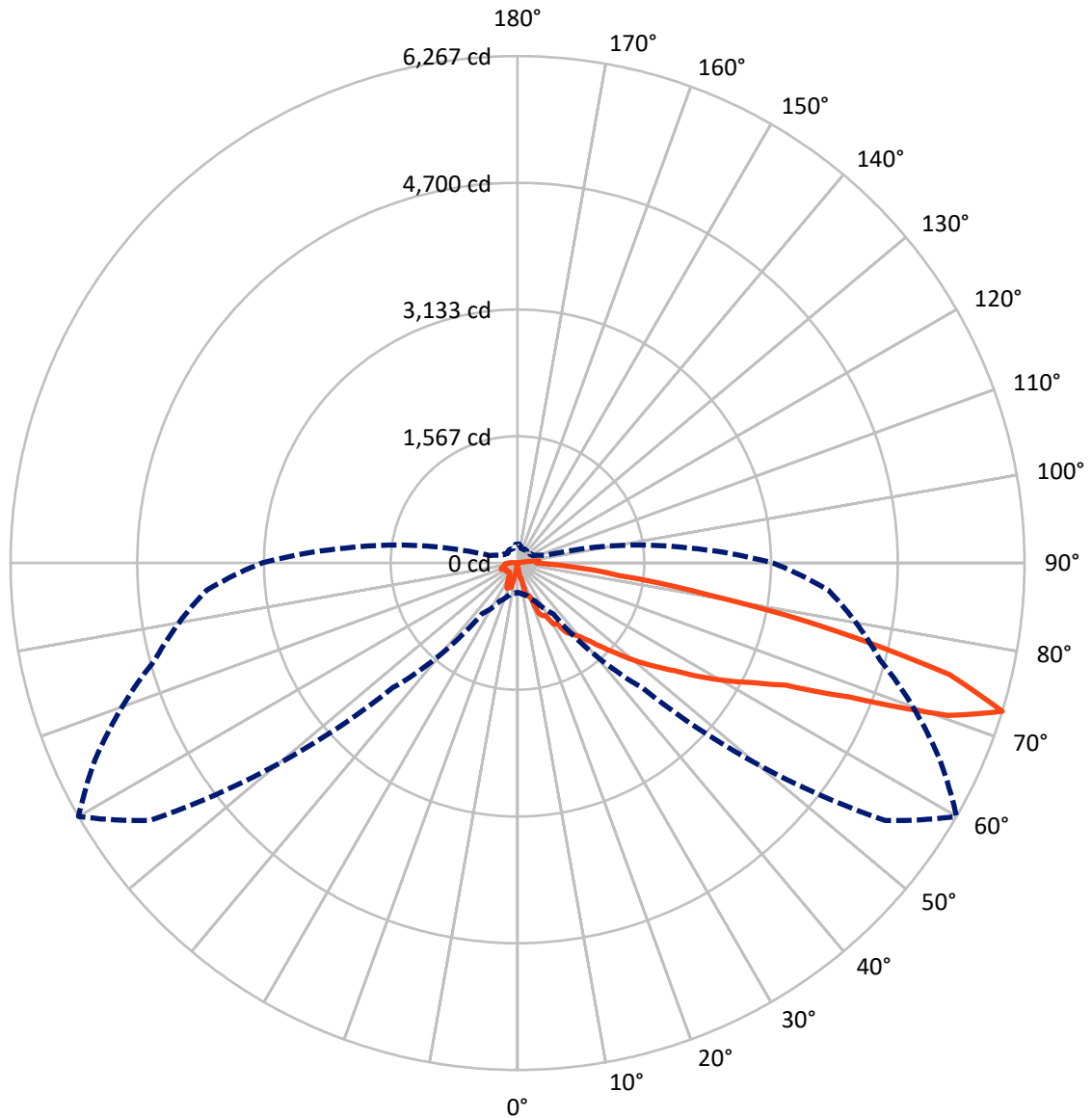
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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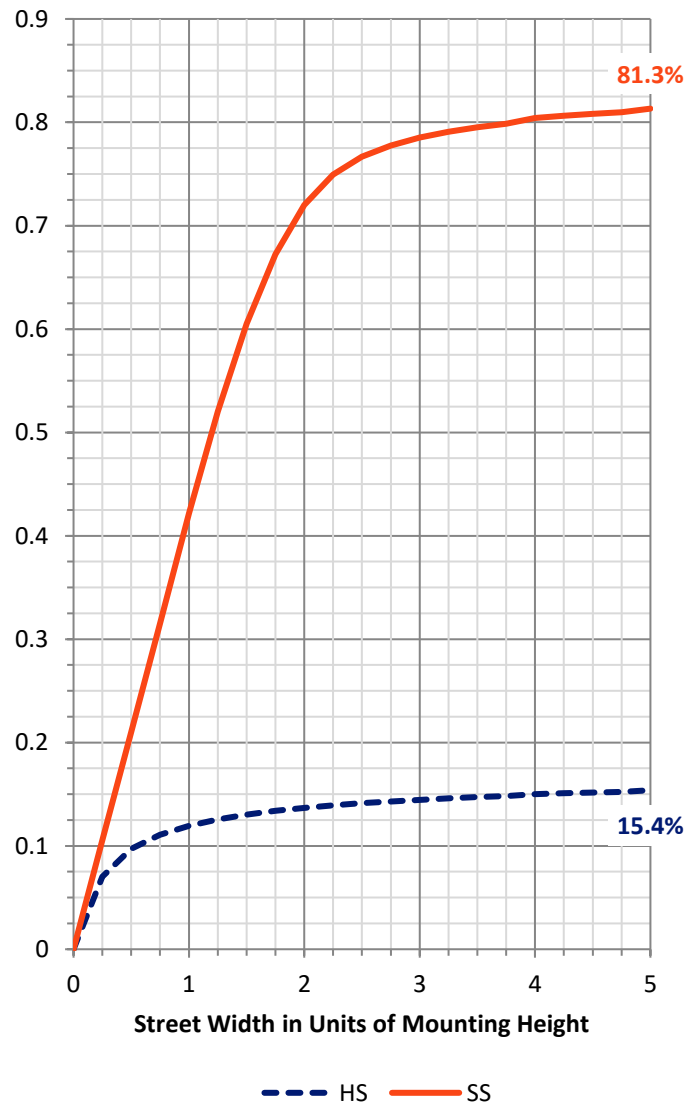
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1008.4	40.5	1048.9
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	5113.7	51.8	5165.5
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	6122.2	92.2	6214.4
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	83.3	1.3
20°-30°	244.4	3.9
30°-40°	486.7	7.8
40°-50°	836.8	13.5
50°-60°	1280.2	20.6
60°-70°	1613.7	26.0
70°-80°	1284.5	20.7
80°-90°	285.7	4.6
90°-100°	80.3	1.3
100°-110°	7.9	0.1
110°-120°	1.5	0.0
120°-130°	1.2	0.0
130°-140°	0.5	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6122.2	98.5
0°-180°	6214.4	100.0



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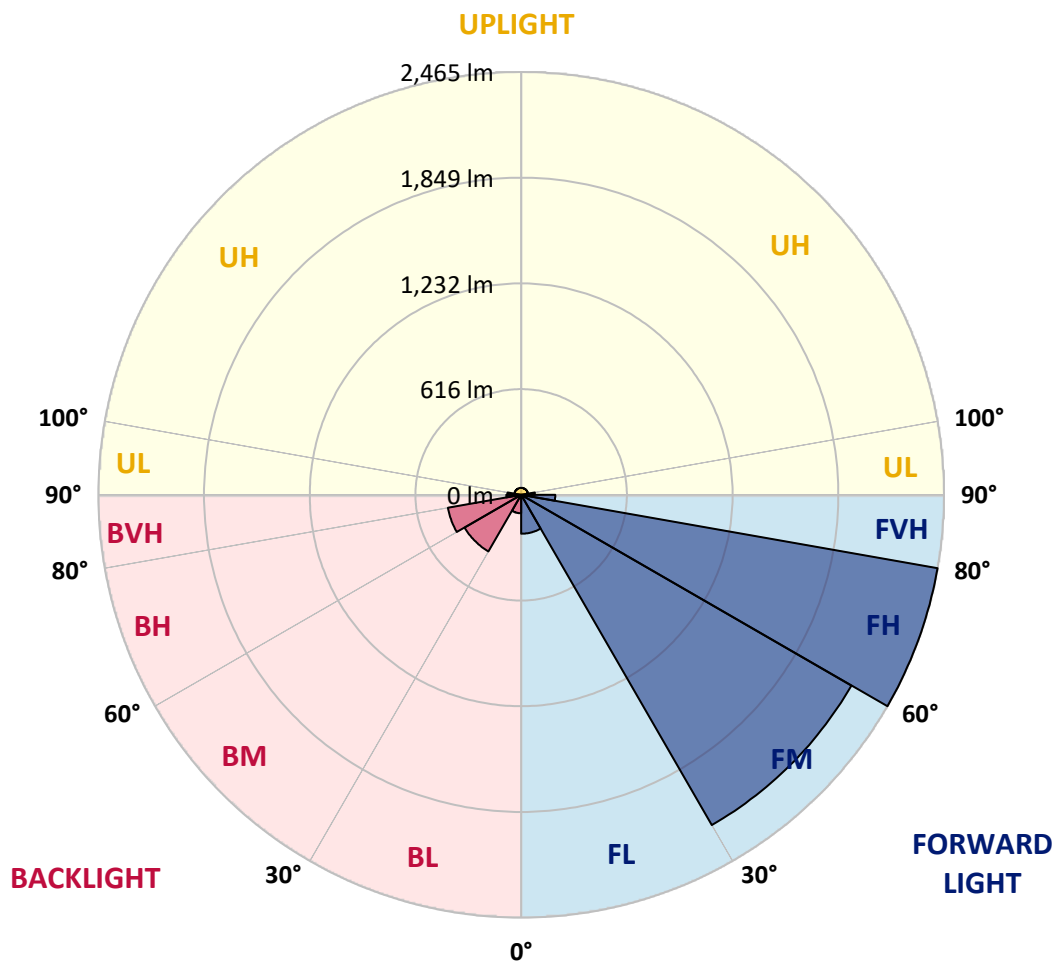
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	227.0	3.7			
FM	(30°-60°)	2223.1	35.8			
FH	(60°-80°)	2464.9	39.7			G2/5000
FVH	(80°-90°)	198.8	3.2			G2/225
BL	(0°-30°)	107.5	1.7	B0/110		
BM	(30°-60°)	380.7	6.1	B1/1000		
BH	(60°-80°)	433.3	7.0	B1/500		G1/500
BVH	(80°-90°)	87.0	1.4			G1/100
UL	(90°-100°)	80.3	1.3		U3/500	
UH	(100°-180°)	40.5	0.7		U2/50	

**BUG Rating: B1-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.1	3.8	3.1	3.8	3.8	3.1	2.3	3.1	3.1	3.1	2.3
5°	190.4	192.6	172.1	134.5	26.0	18.3	6.1	3.8	3.8	3.1	3.1
7.5°	191.9	193.4	201.8	198.8	202.5	193.4	67.3	19.8	8.4	3.8	3.1
10°	206.4	205.6	203.4	208.0	207.1	197.2	190.4	182.0	41.3	5.3	4.6
12.5°	398.3	399.9	389.8	315.0	219.4	203.4	196.5	190.4	155.2	110.9	257.7
15°	401.4	399.1	388.4	405.2	399.1	233.1	326.4	416.6	419.7	311.9	358.5
17.5°	422.0	416.6	403.7	392.2	389.8	465.5	438.0	415.1	422.8	363.1	388.4
20°	574.2	568.8	561.9	548.1	417.5	531.3	529.8	442.6	446.5	724.8	706.3
22.5°	583.3	574.2	568.8	561.2	624.6	522.1	628.4	673.5	675.9	769.1	745.4
25°	775.2	772.1	723.9	583.3	623.1	594.0	720.9	722.4	707.2	808.8	888.3
27.5°	858.6	834.1	789.7	763.7	641.4	709.4	719.4	730.9	918.9	1096.3	1069.5
30°	1153.6	1121.6	881.5	858.6	760.0	720.2	830.2	873.8	950.3	1100.9	1107.8
32.5°	1331.8	1288.2	1167.4	1069.5	901.3	792.1	888.3	894.5	957.2	1372.3	1400.5
35°	1645.9	1588.6	1308.0	1191.1	1052.7	943.4	920.5	1064.2	1149.8	1432.6	1450.2
37.5°	1707.1	1707.1	1626.9	1419.7	1207.9	1058.9	1083.3	1117.7	1205.6	1542.7	1535.1
40°	1767.6	1774.4	1789.7	1613.8	1376.1	1227.7	1192.7	1198.0	1280.5	1668.9	1636.0
42.5°	1917.3	1912.0	1937.3	1763.7	1602.4	1415.9	1357.8	1328.7	1388.3	1831.7	1763.7
45°	2176.5	2176.5	2157.4	1921.2	1773.6	1603.9	1548.8	1495.3	1516.7	1991.5	1938.8
47.5°	2497.6	2461.7	2360.0	2104.6	1923.5	1779.7	1733.9	1684.2	1694.9	2181.1	2147.5
50°	2738.4	2700.2	2506.0	2237.7	2046.5	1963.2	1941.0	1904.3	1889.1	2361.6	2375.3
52.5°	2790.4	2743.8	2572.5	2319.5	2149.7	2152.8	2175.7	2123.0	2073.3	2555.7	2605.5
55°	2727.0	2701.0	2593.9	2381.4	2246.9	2313.4	2414.3	2347.8	2325.6	2768.2	2828.7
57.5°	2600.9	2590.1	2584.0	2433.4	2312.6	2489.2	2720.8	2646.7	2588.6	2964.7	2990.0
60°	2334.1	2337.9	2407.4	2432.7	2431.1	2674.2	3006.0	2946.4	2834.8	3154.4	3181.1
62.5°	1863.8	1890.6	2073.3	2251.4	2494.6	2957.0	3279.0	3258.3	3138.3	3370.7	3366.8
65°	1176.6	1228.6	1500.0	1902.8	2408.1	3344.6	3720.1	3639.0	3482.3	3620.6	3678.0
67.5°	636.1	654.4	805.1	1253.7	2084.8	3526.6	4676.4	4411.2	4048.7	4021.2	4032.0
70°	459.5	464.8	503.8	692.6	1303.4	3233.0	5520.5	5642.8	4945.6	4452.4	4168.8
72.5°	363.9	373.9	411.3	520.6	767.5	2178.8	5548.7	6266.6	5762.1	4642.0	3855.4
75°	250.7	266.1	331.7	448.0	691.8	1087.9	4513.6	5515.9	5562.5	4259.1	3064.1
77.5°	133.8	136.1	151.4	347.1	655.9	785.1	2915.8	3990.7	3981.5	2994.6	1659.7
80°	108.5	110.1	116.2	149.9	561.9	801.2	1564.9	2416.6	2214.0	1163.6	604.8
82.5°	71.1	75.7	92.5	101.7	252.3	772.9	929.7	1266.0	1009.9	420.4	379.2
85°	42.0	46.6	67.3	74.9	120.0	902.1	834.1	762.2	583.3	297.4	285.2
87.5°	14.5	14.5	19.8	26.0	39.8	258.4	435.8	348.6	267.6	197.2	234.7
90°	7.7	8.4	4.6	4.6	17.6	79.5	233.1	231.6	182.0	193.4	250.7
92.5°	8.4	8.4	4.6	4.6	18.3	47.4	248.5	266.1	214.8	217.1	271.4
95°	9.2	9.9	3.8	3.8	17.6	32.8	218.6	270.7	210.2	196.5	236.2
97.5°	9.9	10.7	3.8	3.1	11.5	25.3	110.1	154.5	121.5	92.5	103.2
100°	9.2	9.9	2.3	2.3	5.3	16.8	42.0	57.4	52.0	21.4	12.3
102.5°	9.2	9.9	2.3	1.5	2.3	9.2	9.2	21.4	13.0	6.9	9.9
105°	9.2	9.9	2.3	1.5	0.7	4.6	3.1	3.8	4.6	6.1	11.5
107.5°	5.3	6.1	1.5	1.5	0.7	0.7	1.5	1.5	3.1	4.6	9.9
110°	2.3	2.3	0.7	0.7	0.0	0.7	0.7	1.5	3.1	3.8	5.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3	3.1	4.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.1	5.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.1	5.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.1	5.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.1	5.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.1	5.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.1	4.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.1	4.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	2.3
140°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.5	1.5	2.3
142.5°	1.5	0.7	0.7	0.7	0.0	0.0	0.7	0.7	1.5	2.3	2.3
145°	2.3	1.5	1.5	0.7	0.0	0.0	0.7	1.5	2.3	2.3	2.3
147.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.7	1.5	2.3	3.1	3.1
150°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.7	1.5	3.1	3.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.3	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.3	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.7	0.7	1.5
7.5°	2.3	2.3	2.3	1.5	1.5	0.7	141.5	164.4	188.8	185.1	179.6
10°	3.8	3.8	3.8	3.1	9.2	169.7	190.4	182.0	178.1	176.6	178.9
12.5°	260.6	307.3	102.4	15.2	150.6	165.9	169.7	160.5	165.9	167.5	162.9
15°	357.8	350.9	322.6	331.7	295.1	159.8	152.1	226.3	225.6	224.7	224.7
17.5°	386.9	367.8	318.8	337.2	295.1	242.3	188.0	179.6	173.5	174.3	172.8
20°	696.4	651.3	503.8	328.0	258.4	259.2	159.8	138.4	173.5	202.5	206.4
22.5°	701.8	658.3	527.5	425.0	258.4	204.9	156.7	163.6	196.5	214.8	217.9
25°	883.0	798.1	518.3	359.4	259.2	166.6	166.6	157.5	178.9	204.1	208.0
27.5°	1007.6	909.0	632.3	352.4	195.0	162.9	149.0	150.6	191.1	208.7	209.5
30°	1009.1	892.9	594.7	295.8	162.0	141.5	134.5	157.5	167.5	178.9	179.6
32.5°	1311.8	1138.3	668.2	237.7	144.4	127.7	135.3	149.9	169.0	197.2	200.3
35°	1311.8	1119.2	581.8	218.6	136.9	128.5	139.1	160.5	161.3	182.7	187.3
37.5°	1348.6	1117.7	491.5	182.7	143.0	128.5	145.3	150.6	157.5	179.6	180.4
40°	1405.9	1133.7	402.1	166.6	141.5	139.9	141.5	148.3	146.8	161.3	162.0
42.5°	1500.7	1169.6	334.1	161.3	140.7	146.8	143.0	140.7	132.3	173.5	174.3
45°	1639.9	1251.5	284.4	161.3	141.5	156.7	147.5	136.1	127.7	209.5	215.6
47.5°	1803.5	1354.0	261.5	165.1	144.4	159.0	140.7	136.1	136.1	227.1	230.2
50°	1999.2	1471.6	250.7	168.2	154.5	157.5	145.3	144.4	150.6	211.0	210.2
52.5°	2206.3	1616.9	249.2	172.8	161.3	151.4	164.4	154.5	134.5	154.5	154.5
55°	2412.0	1795.8	246.9	174.3	157.5	155.2	168.2	137.6	114.7	125.4	126.9
57.5°	2610.0	1966.3	256.1	168.2	156.7	155.2	160.5	137.6	118.5	128.5	131.4
60°	2811.8	2156.7	310.4	159.0	159.8	151.4	159.8	149.0	130.7	155.2	158.3
62.5°	3056.5	2418.9	422.8	167.5	162.0	153.6	159.0	158.3	136.1	148.3	151.4
65°	3406.6	2710.9	489.3	197.2	169.0	160.5	159.0	171.2	152.1	144.4	145.3
67.5°	3646.6	2817.2	474.8	222.5	185.8	165.1	172.1	184.2	162.9	164.4	163.6
70°	3603.0	2628.4	412.9	234.7	196.5	169.7	185.8	183.5	171.2	195.0	193.4
72.5°	3157.3	2130.7	350.2	215.6	193.4	171.2	188.8	188.0	185.8	233.9	233.9
75°	2351.6	1429.6	303.5	198.0	185.1	169.7	185.1	186.6	185.1	239.3	240.8
77.5°	1154.4	714.0	257.7	178.1	171.2	173.5	182.7	183.5	181.2	232.4	232.4
80°	516.1	391.4	196.5	149.9	165.1	182.7	183.5	176.6	179.6	220.1	219.4
82.5°	357.8	281.3	128.5	131.4	185.1	198.0	187.3	172.8	170.5	201.1	198.0
85°	259.9	207.1	78.8	111.6	202.5	187.3	177.4	156.0	149.0	170.5	166.6
87.5°	209.5	165.1	48.2	93.3	185.1	164.4	147.5	128.5	119.3	131.4	125.4
90°	226.3	178.1	48.2	81.0	152.1	123.1	108.5	95.5	86.4	87.2	83.4
92.5°	243.9	189.6	51.2	67.3	112.4	71.1	72.6	66.5	52.8	47.4	42.9
95°	188.0	142.2	45.1	55.9	67.3	43.6	55.9	50.4	35.9	25.3	21.4
97.5°	83.4	67.3	40.5	44.3	47.4	35.9	47.4	40.5	21.4	12.3	10.7
100°	9.9	16.8	35.2	42.9	34.4	24.4	31.3	24.4	9.2	3.1	2.3
102.5°	10.7	7.7	15.2	38.3	19.8	7.7	9.2	9.2	3.8	1.5	1.5
105°	11.5	8.4	6.1	19.8	4.6	1.5	0.7	0.7	0.7	1.5	1.5
107.5°	10.7	7.7	3.8	3.1	2.3	1.5	0.0	0.0	0.0	1.5	2.3
110°	6.1	5.3	3.8	3.1	2.3	1.5	0.0	0.0	0.0	2.3	3.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	4.6	3.1	2.3	1.5	0.7	0.0	0.0	0.0	3.1	3.8
115°	5.3	4.6	3.1	2.3	1.5	0.7	0.0	0.0	0.0	3.8	4.6
117.5°	6.1	5.3	3.1	2.3	1.5	0.0	0.0	0.0	0.0	4.6	4.6
120°	6.1	5.3	3.1	2.3	0.7	0.0	0.0	0.0	0.0	3.8	4.6
122.5°	6.1	5.3	3.1	1.5	0.7	0.0	0.0	0.0	0.0	3.8	4.6
125°	5.3	5.3	3.1	1.5	0.7	0.0	0.0	0.0	0.0	3.8	3.8
127.5°	5.3	4.6	3.1	1.5	0.7	0.0	0.0	0.0	0.0	3.1	3.8
130°	4.6	4.6	2.3	1.5	0.7	0.0	0.0	0.0	0.0	2.3	3.1
132.5°	3.8	3.1	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.7	1.5
135°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)