

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: P254746

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)  
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-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6501.8 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U3 - G2

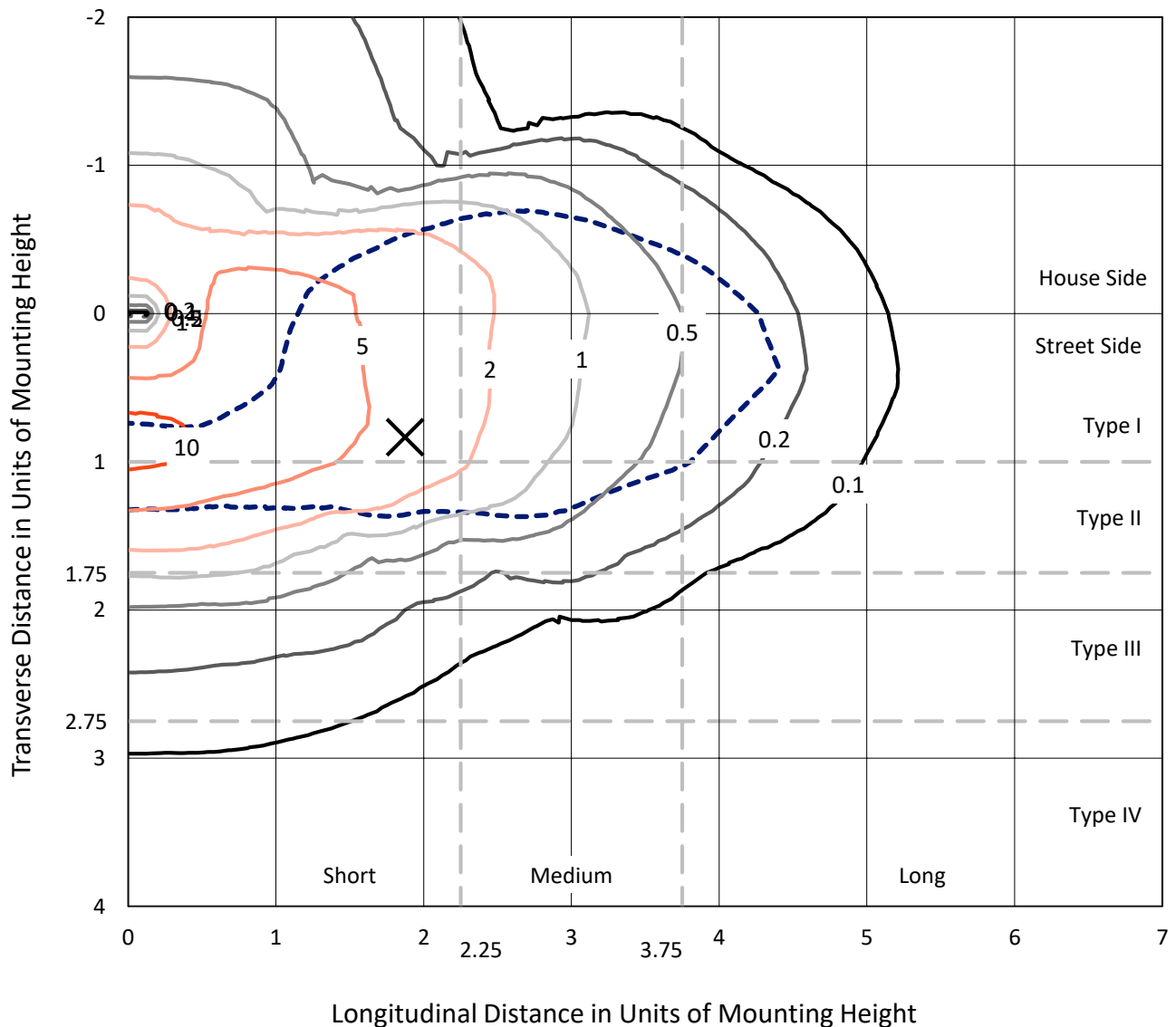
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

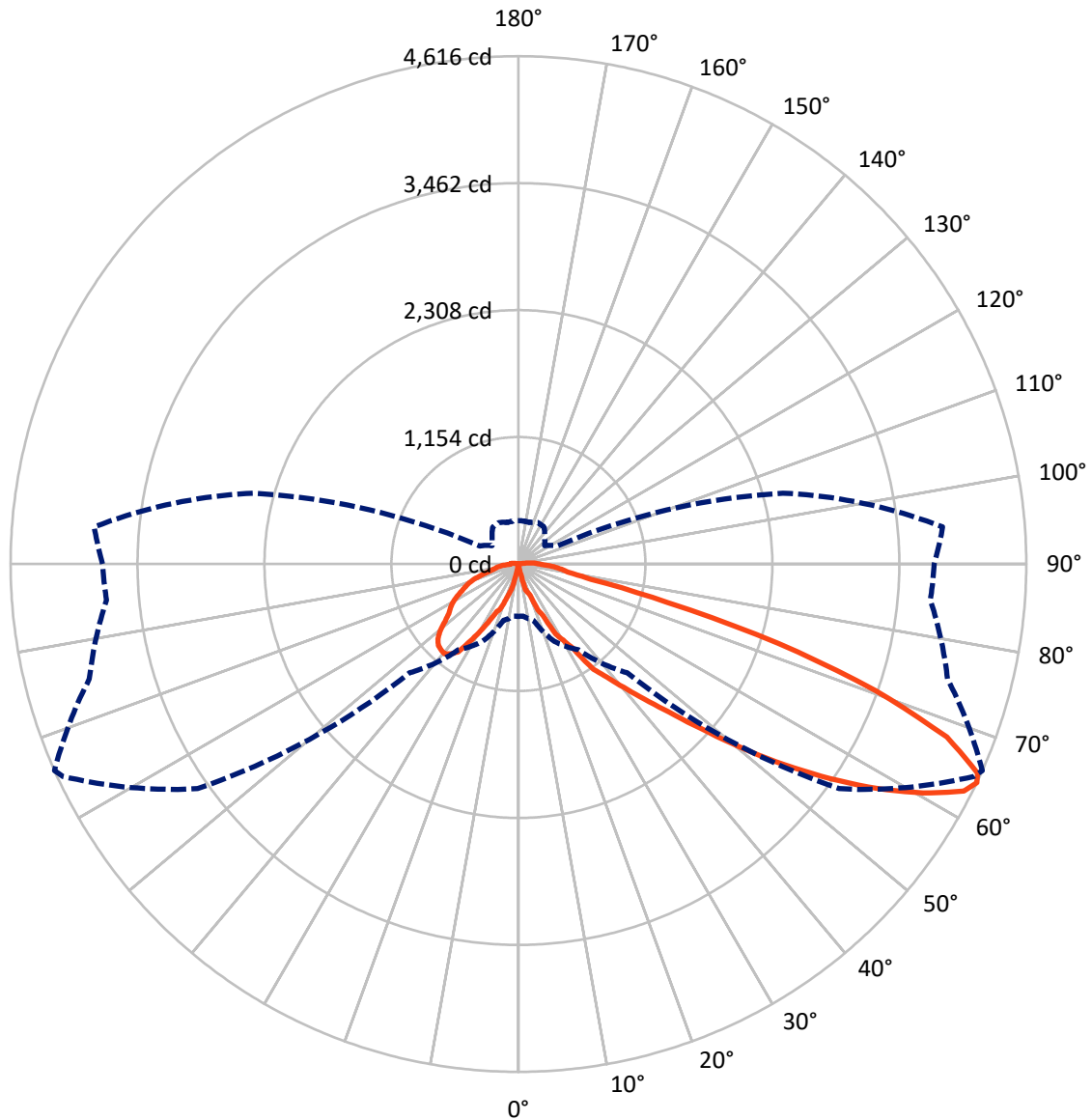
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical



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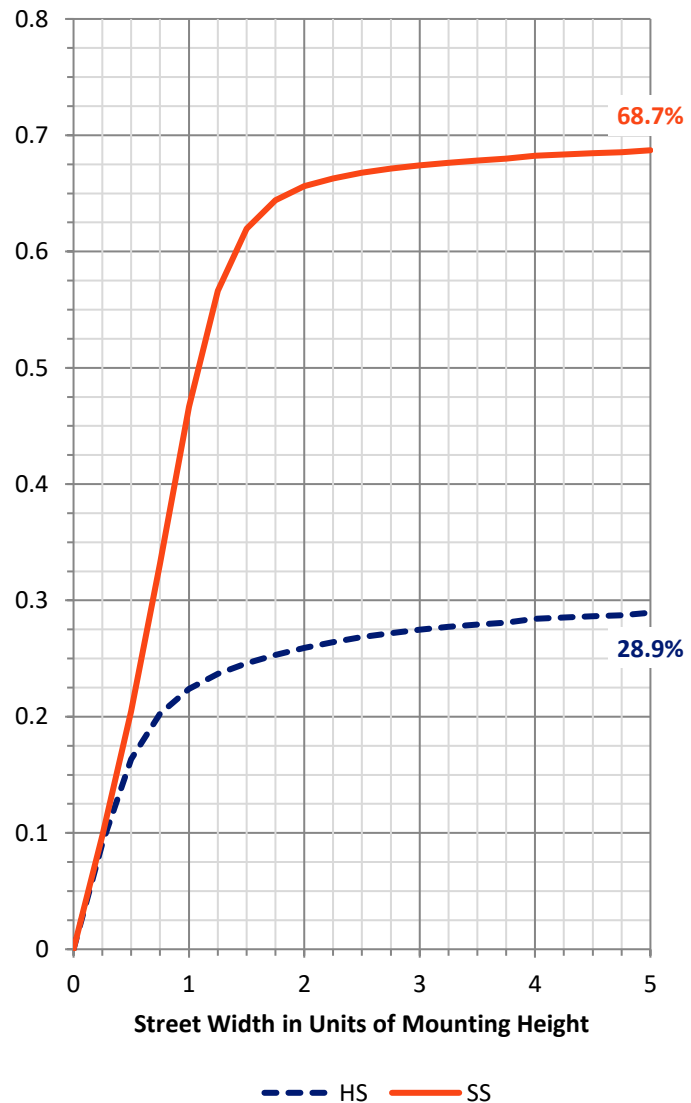
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1924.1	39.8	1963.9
	% Fixture	29.6	0.6	30.2
<b>Street Side</b>	Lumens	4501.8	36.1	4537.9
	% Fixture	69.2	0.6	69.8
<b>Total</b>	Lumens	6425.9	75.9	6501.8
	% Fixture	98.8	1.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	63.0	1.0
20°-30°	254.1	3.9
30°-40°	643.2	9.9
40°-50°	1226.4	18.9
50°-60°	1645.1	25.3
60°-70°	1523.3	23.4
70°-80°	856.7	13.2
80°-90°	209.7	3.2
90°-100°	63.9	1.0
100°-110°	7.6	0.1
110°-120°	2.0	0.0
120°-130°	1.2	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6425.9	98.8
0°-180°	6501.8	100.0



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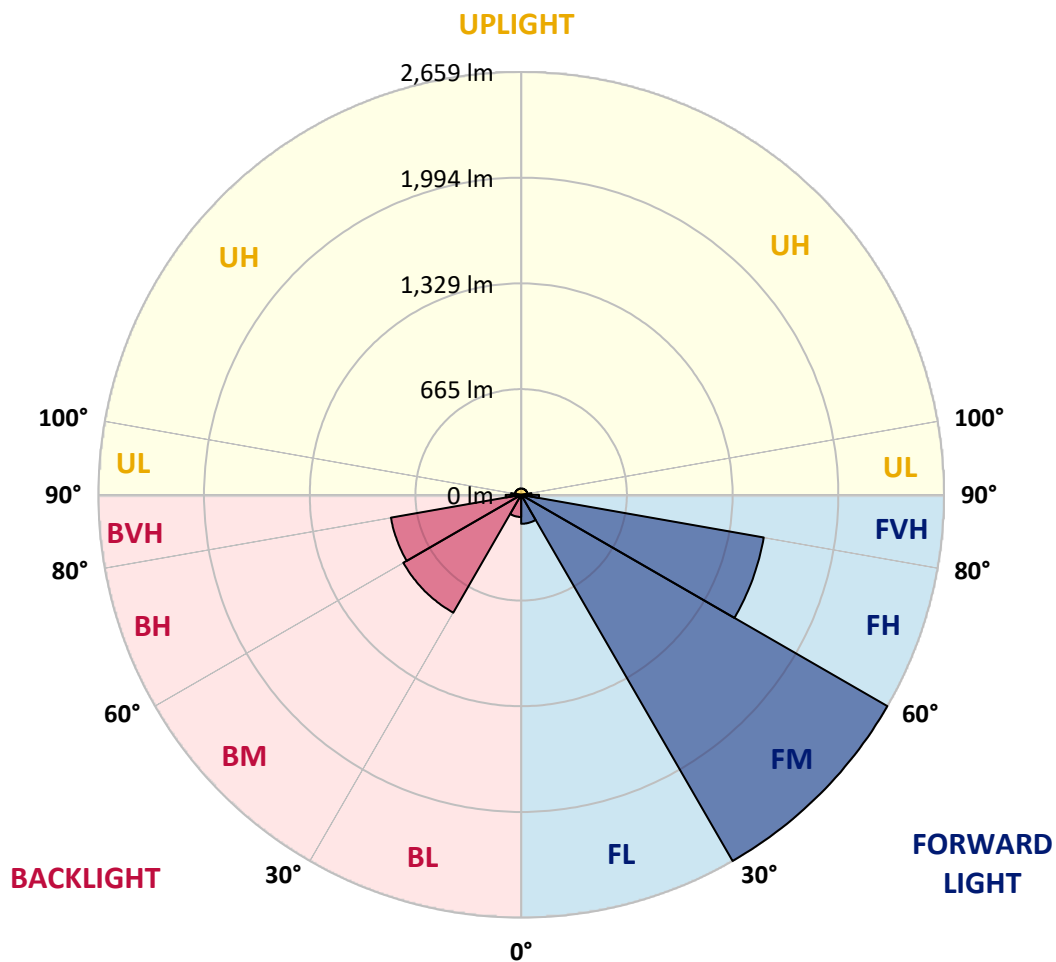
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.1	2.8			
FM (30°-60°)	2658.7	40.9			
FH (60°-80°)	1548.8	23.8			G1/1800
FVH (80°-90°)	112.2	1.7			G2/225
BL (0°-30°)	139.3	2.1	B1/500		
BM (30°-60°)	856.0	13.2	B1/1000		
BH (60°-80°)	831.2	12.8	B2/1000		G2/1000
BVH (80°-90°)	97.5	1.5			G1/100
UL (90°-100°)	63.9	1.0		U3/500	
UH (100°-180°)	39.8	0.6		U2/50	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	7.7	7.7	7.7	8.4	7.7	6.9	6.1	4.6	3.8	2.3	2.3
5°	100.1	100.1	99.3	96.4	29.8	15.2	9.9	6.1	6.1	3.8	2.3
7.5°	112.3	111.6	111.6	108.5	107.8	99.3	50.4	9.9	9.2	5.3	3.1
10°	124.6	121.5	120.0	117.7	118.5	111.6	103.9	48.9	28.2	10.7	8.4
12.5°	230.9	229.3	222.5	187.3	129.9	119.3	116.9	97.9	94.8	81.8	95.5
15°	255.3	250.7	246.1	245.4	232.4	145.3	184.2	240.8	243.1	187.3	202.5
17.5°	298.1	290.5	275.2	263.7	256.9	298.1	274.5	266.1	268.3	229.3	228.5
20°	451.7	451.0	443.3	391.4	293.6	368.5	354.7	304.2	302.7	414.3	404.4
22.5°	532.8	519.8	509.8	493.1	504.5	403.7	431.2	443.3	453.3	475.5	454.8
25°	801.1	735.4	702.5	571.0	600.9	510.7	567.9	519.8	515.3	531.3	572.5
27.5°	924.1	928.0	902.0	855.4	694.1	716.3	633.7	728.4	722.4	735.4	705.5
30°	1230.7	1210.0	1068.7	1022.7	897.4	816.4	873.7	819.5	801.9	786.5	779.7
32.5°	1517.3	1516.6	1478.4	1288.8	1129.8	955.5	993.8	910.4	915.7	1015.2	1039.6
35°	1963.0	1934.0	1704.6	1589.3	1350.0	1220.0	1116.0	1184.1	1175.0	1161.2	1171.1
37.5°	2478.3	2441.6	2246.6	1885.8	1636.6	1399.7	1386.6	1337.7	1304.1	1319.4	1329.3
40°	2780.2	2749.6	2579.2	2272.6	1910.3	1713.0	1586.2	1513.6	1472.2	1532.7	1530.3
42.5°	2995.0	2968.3	2870.4	2553.9	2297.0	2086.8	1823.1	1719.2	1676.4	1768.9	1733.0
45°	3104.3	3057.7	3046.2	2807.7	2634.9	2540.9	2151.1	1971.4	1917.9	2016.5	1973.8
47.5°	3048.5	2997.2	3041.6	2890.2	2939.2	2935.4	2558.5	2265.0	2229.8	2312.4	2248.1
50°	2789.4	2759.5	2855.2	2875.7	3095.1	3254.9	3011.8	2576.1	2620.4	2580.7	2537.1
52.5°	2362.8	2350.6	2503.5	2675.4	3071.4	3464.3	3429.2	2932.3	3031.7	2854.3	2796.2
55°	1909.5	1911.8	2078.4	2281.8	2824.6	3494.2	3792.3	3357.3	3442.2	3130.3	3049.3
57.5°	1394.3	1455.5	1645.8	1818.6	2355.1	3298.5	4017.0	3782.4	3852.6	3415.4	3280.1
60°	904.3	926.5	1155.8	1430.2	1736.8	2705.3	4104.2	4171.5	4225.7	3711.3	3500.3
62.5°	597.0	599.3	694.1	1010.6	1200.9	1888.2	3891.7	4492.5	4544.5	3939.1	3687.5
64°	475.5	474.8	530.5	775.9	953.2	1397.4	3559.2	4566.7	4615.6	4037.7	3757.9
65°	419.7	418.9	459.4	623.8	814.9	1116.9	3227.4	4539.9	4587.3	4082.0	3777.0
67.5°	356.2	357.7	373.8	428.8	590.1	672.0	1974.5	4159.9	4199.0	4047.6	3710.5
70°	328.7	330.2	349.3	360.1	465.5	499.2	858.5	3397.8	3442.9	3890.9	3557.6
72.5°	289.7	292.1	317.2	344.7	369.2	414.3	546.6	2338.4	2467.6	3374.2	3352.0
75°	242.3	244.6	268.3	304.2	321.8	337.9	473.2	1240.6	1401.1	2539.4	2987.3
77.5°	197.9	199.5	219.4	243.9	292.8	262.2	414.3	634.4	672.7	1606.9	2209.2
80°	146.0	147.5	168.9	195.7	227.0	228.5	341.7	457.2	459.4	879.1	1192.5
82.5°	100.1	100.9	122.3	137.6	160.5	211.8	273.6	376.9	396.0	522.1	548.1
85°	68.8	69.6	82.6	87.9	100.9	116.9	197.9	295.8	324.9	374.6	328.7
87.5°	32.8	34.4	35.9	38.3	39.8	41.3	84.8	217.9	229.3	250.0	259.9
90°	27.5	27.5	21.4	20.7	23.7	24.4	39.0	185.8	182.0	239.3	258.4
92.5°	27.5	27.5	19.8	19.1	21.4	20.7	28.2	152.9	148.3	235.5	255.3
95°	23.7	24.4	16.1	15.2	18.3	16.8	22.2	89.4	94.8	165.9	188.8
97.5°	19.8	19.8	12.3	12.3	13.0	12.3	14.5	32.8	36.7	70.3	83.4
100°	14.5	15.2	7.7	8.4	8.4	7.7	7.7	13.8	15.2	19.1	18.3
102.5°	12.3	13.8	5.3	6.1	4.6	4.6	3.8	6.1	6.1	9.9	14.5
105°	9.2	10.7	3.8	3.8	3.1	3.1	1.5	4.6	4.6	8.4	15.2
107.5°	5.3	6.1	2.3	2.3	2.3	3.1	1.5	3.1	3.8	6.9	13.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	2.3	2.3	0.7	1.5	0.7	2.3	1.5	3.1	3.8	3.1	6.9
112.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3	2.3	1.5	3.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.7	1.5	3.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	3.8
120°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	3.8
122.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	3.1
125°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.1
127.5°	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3
130°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
135°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
137.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.7
147.5°	3.8	3.8	3.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7
150°	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.7
152.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	2.3	3.1	3.1	3.8	3.8	4.6	4.6	4.6	4.6	3.8	3.8
5°	2.3	3.1	3.1	3.8	4.6	6.1	6.9	8.4	8.4	9.2	9.2
7.5°	3.1	3.1	3.8	4.6	6.9	11.5	34.4	109.4	113.1	123.1	123.9
10°	7.7	8.4	8.4	9.2	22.2	112.3	126.1	131.4	138.4	139.1	138.4
12.5°	100.9	97.1	93.3	29.1	110.9	135.3	139.1	146.8	150.6	162.0	162.0
15°	204.1	204.1	197.2	217.1	196.4	150.6	162.0	254.5	263.7	270.6	266.8
17.5°	231.6	231.6	227.0	275.2	295.8	238.4	260.6	280.5	286.6	288.2	287.4
20°	416.6	412.0	371.5	337.9	308.8	378.4	319.6	289.0	344.0	398.2	401.3
22.5°	453.3	447.2	437.2	443.3	405.9	389.8	366.1	384.5	396.7	399.1	399.8
25°	571.8	567.9	493.8	472.4	509.8	435.0	440.3	376.9	383.7	392.1	391.4
27.5°	708.6	696.4	658.9	565.7	533.6	512.9	415.8	398.2	440.3	442.6	441.1
30°	786.5	752.2	683.4	698.7	576.3	490.7	412.8	417.4	399.1	399.8	401.3
32.5°	1048.8	1007.5	918.8	812.5	615.4	461.8	399.8	374.6	404.4	409.7	412.0
35°	1146.6	1109.9	1033.5	961.7	626.9	440.3	355.5	366.9	367.6	369.2	370.7
37.5°	1282.7	1231.5	1168.0	1007.5	623.0	387.6	346.3	347.8	372.3	376.9	379.1
40°	1450.1	1385.2	1314.1	1028.2	561.8	367.6	338.6	350.1	358.5	356.2	357.7
42.5°	1648.1	1560.2	1460.8	1003.7	476.2	358.5	338.6	346.3	347.8	340.9	340.9
45°	1875.9	1778.1	1585.4	976.2	410.5	361.6	346.3	341.7	334.1	324.1	321.8
47.5°	2125.1	2011.2	1700.0	922.7	364.6	359.3	350.9	334.1	325.6	317.2	317.2
50°	2391.9	2271.9	1797.9	840.1	343.2	355.5	348.6	338.6	329.5	314.1	313.4
52.5°	2647.2	2549.3	1919.5	727.7	322.5	358.5	366.1	344.0	331.0	310.4	310.4
55°	2894.1	2837.6	2028.8	639.0	314.1	349.3	376.1	357.0	329.5	313.4	314.1
57.5°	3140.3	3133.4	2154.1	579.4	304.2	344.0	389.1	366.9	344.0	328.0	328.0
60°	3420.0	3451.3	2315.4	512.9	302.7	337.9	394.4	383.7	357.0	353.9	354.7
62.5°	3660.8	3742.6	2438.5	435.7	292.8	333.3	403.7	399.8	373.1	370.0	374.6
64°	3779.3	3870.2	2486.7	387.6	290.5	336.3	407.4	415.8	390.7	393.6	393.6
65°	3822.2	3911.6	2500.4	355.5	288.2	337.9	408.2	421.1	394.4	393.6	393.6
67.5°	3823.6	3892.4	2452.2	305.0	278.2	337.1	412.0	435.7	409.7	427.3	420.4
70°	3733.5	3644.0	2265.7	269.9	276.7	337.9	409.0	428.1	405.2	444.9	441.1
72.5°	3485.0	3164.0	1800.2	237.7	279.8	333.3	392.9	408.2	391.4	449.5	445.7
75°	2944.6	2466.0	1108.4	222.5	276.0	317.2	373.8	371.5	363.1	399.8	397.5
77.5°	2023.4	1622.9	530.5	217.1	270.6	295.0	331.7	328.0	318.8	334.1	329.5
80°	1047.3	857.6	320.3	198.8	251.5	256.0	270.6	273.6	263.7	267.5	261.5
82.5°	495.3	452.6	269.0	181.2	215.5	189.6	210.2	220.1	202.5	203.4	182.0
85°	309.5	315.7	221.7	140.7	145.3	115.4	146.0	156.7	134.5	114.7	109.4
87.5°	256.9	268.3	163.6	78.8	67.3	58.8	82.6	86.3	61.9	52.0	48.2
90°	265.3	273.6	161.3	62.7	53.5	44.3	60.4	53.5	38.3	33.7	30.6
92.5°	263.0	266.8	159.8	60.4	50.4	40.5	51.2	41.3	29.8	26.0	23.7
95°	197.9	212.5	129.2	58.8	44.3	32.8	38.3	32.1	20.7	18.3	16.8
97.5°	81.8	96.4	76.4	55.9	34.4	24.4	25.3	22.2	12.3	10.7	9.9
100°	16.1	25.3	40.5	40.5	16.8	13.0	13.0	12.3	6.1	5.3	4.6
102.5°	16.1	15.2	18.3	22.2	7.7	3.8	4.6	6.1	3.8	5.3	5.3
105°	16.8	16.1	9.9	6.1	4.6	2.3	1.5	1.5	3.1	6.1	6.9
107.5°	15.2	15.2	6.9	4.6	3.8	3.1	0.7	0.7	2.3	6.9	7.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.7	8.4	5.3	3.8	3.8	3.1	0.7	0.0	2.3	7.7	8.4
112.5°	4.6	4.6	4.6	3.1	2.3	2.3	0.7	0.0	2.3	8.4	9.2
115°	4.6	4.6	3.8	3.1	2.3	1.5	0.0	0.0	2.3	9.2	9.9
117.5°	4.6	4.6	3.8	2.3	1.5	0.7	0.0	0.0	2.3	9.2	9.9
120°	4.6	4.6	3.8	2.3	1.5	0.7	0.0	0.0	2.3	8.4	9.2
122.5°	4.6	4.6	3.8	2.3	1.5	0.7	0.0	0.0	2.3	6.9	7.7
125°	3.8	3.8	3.1	2.3	1.5	0.7	0.0	0.0	1.5	6.1	6.1
127.5°	3.1	3.8	3.1	2.3	1.5	0.7	0.0	0.0	1.5	4.6	5.3
130°	3.1	3.1	2.3	2.3	1.5	0.7	0.0	0.0	0.7	3.8	4.6
132.5°	2.3	2.3	1.5	1.5	1.5	0.7	0.0	0.0	0.0	1.5	2.3
135°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.7
137.5°	0.7	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
140°	0.7	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
145°	0.7	1.5	1.5	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.7	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)