

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: P254687

Luminaire Tested: **LXF.LXT-AF24-100-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254687
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-AF24-100-D-U-SL3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7862.3 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 96
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

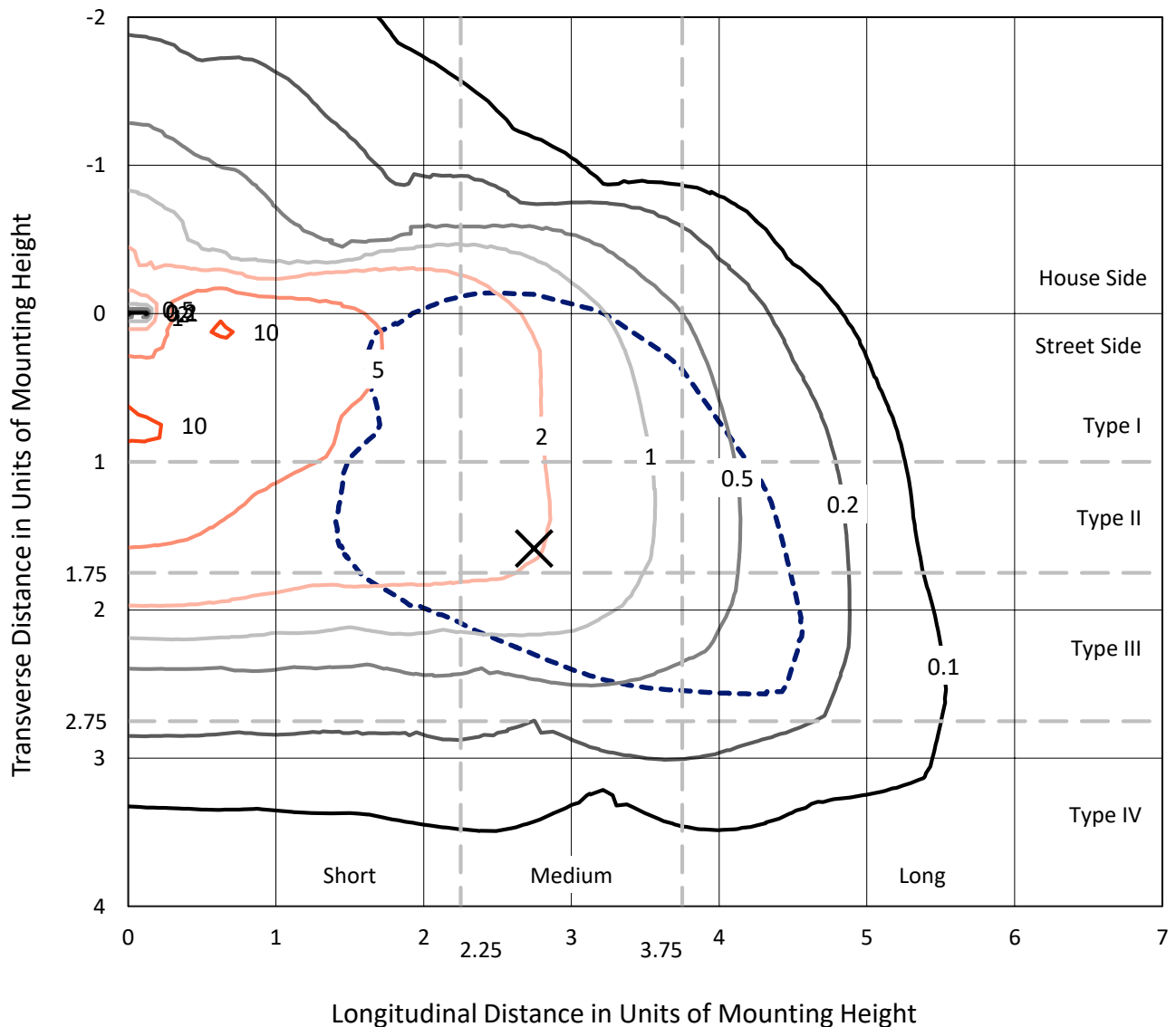


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Iso-Footcandle Lines of Horizontal Illumination

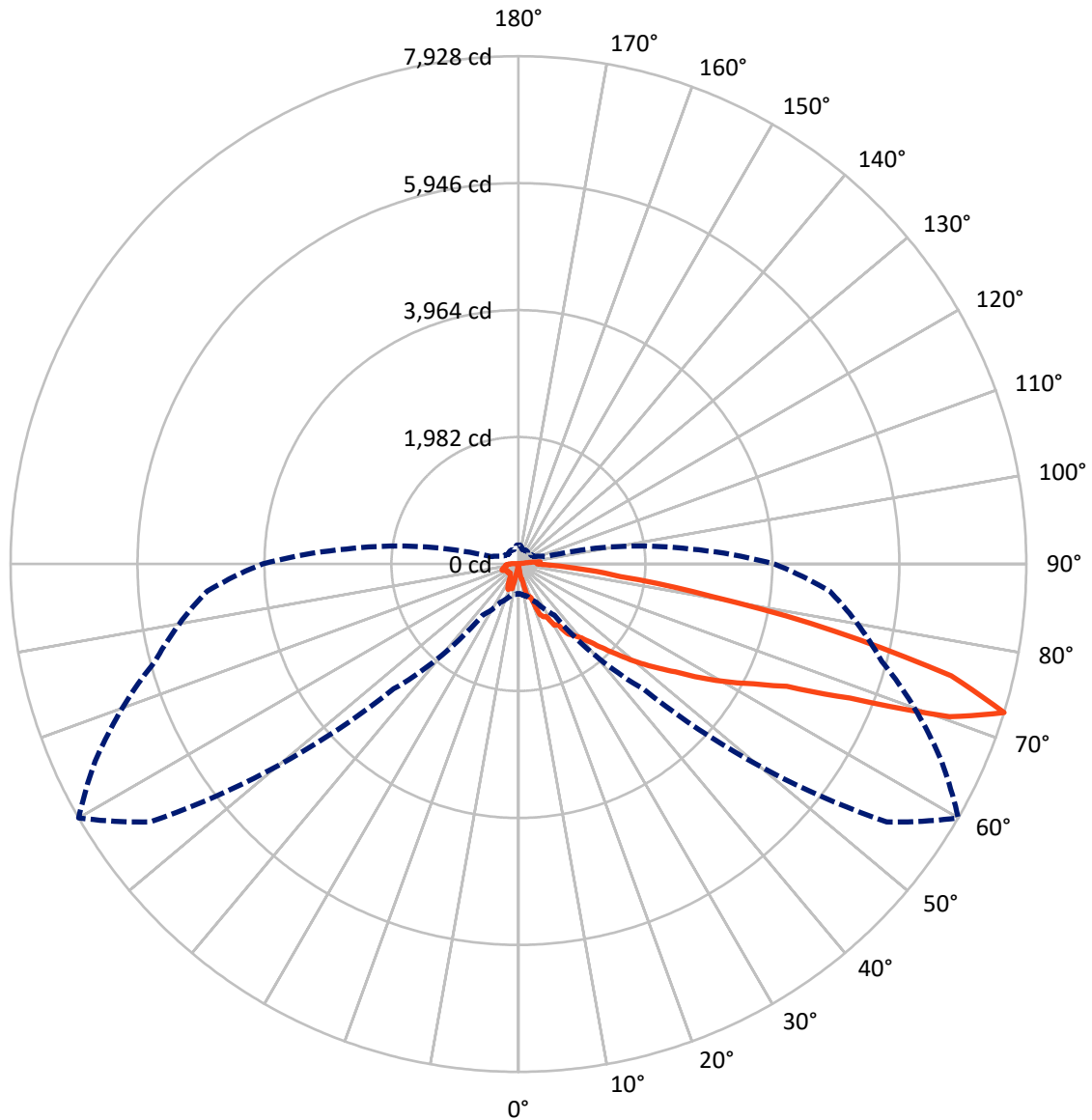
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 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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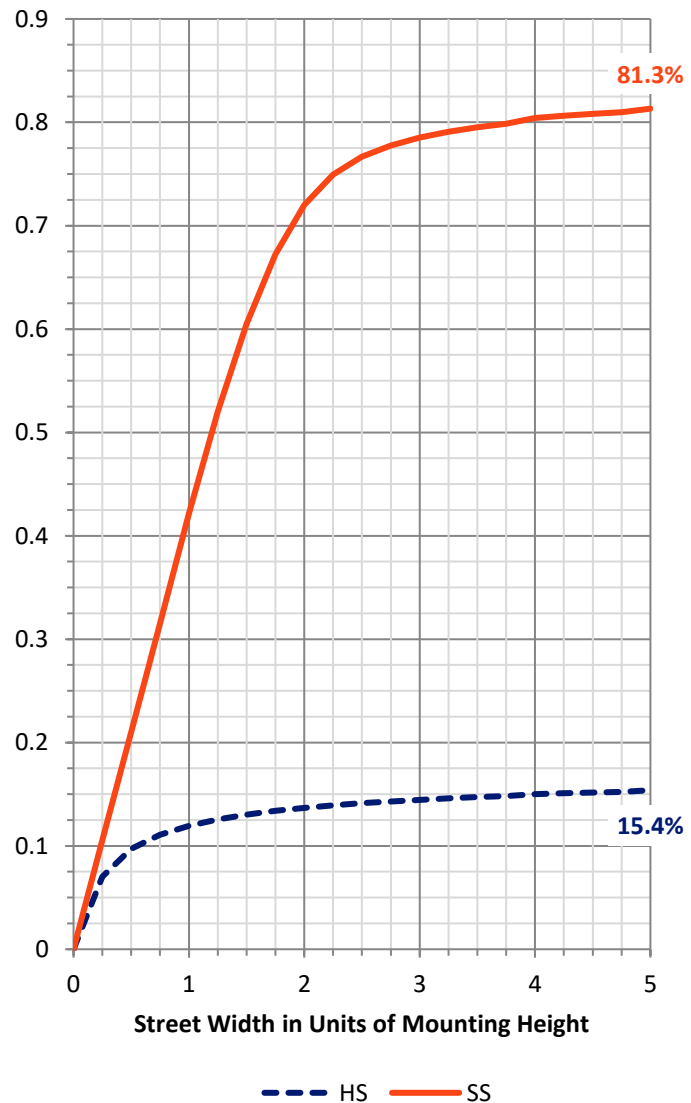
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1275.8	51.2	1327.0
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	6469.8	65.5	6535.3
	% Fixture	82.3	0.8	83.1
Total	Lumens	7745.6	116.7	7862.3
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.1
10°-20°	105.4	1.3
20°-30°	309.2	3.9
30°-40°	615.8	7.8
40°-50°	1058.7	13.5
50°-60°	1619.7	20.6
60°-70°	2041.6	26.0
70°-80°	1625.1	20.7
80°-90°	361.5	4.6
90°-100°	101.6	1.3
100°-110°	10.0	0.1
110°-120°	1.9	0.0
120°-130°	1.5	0.0
130°-140°	0.7	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7745.6	98.5
0°-180°	7862.3	100.0

Coefficient of Utilization



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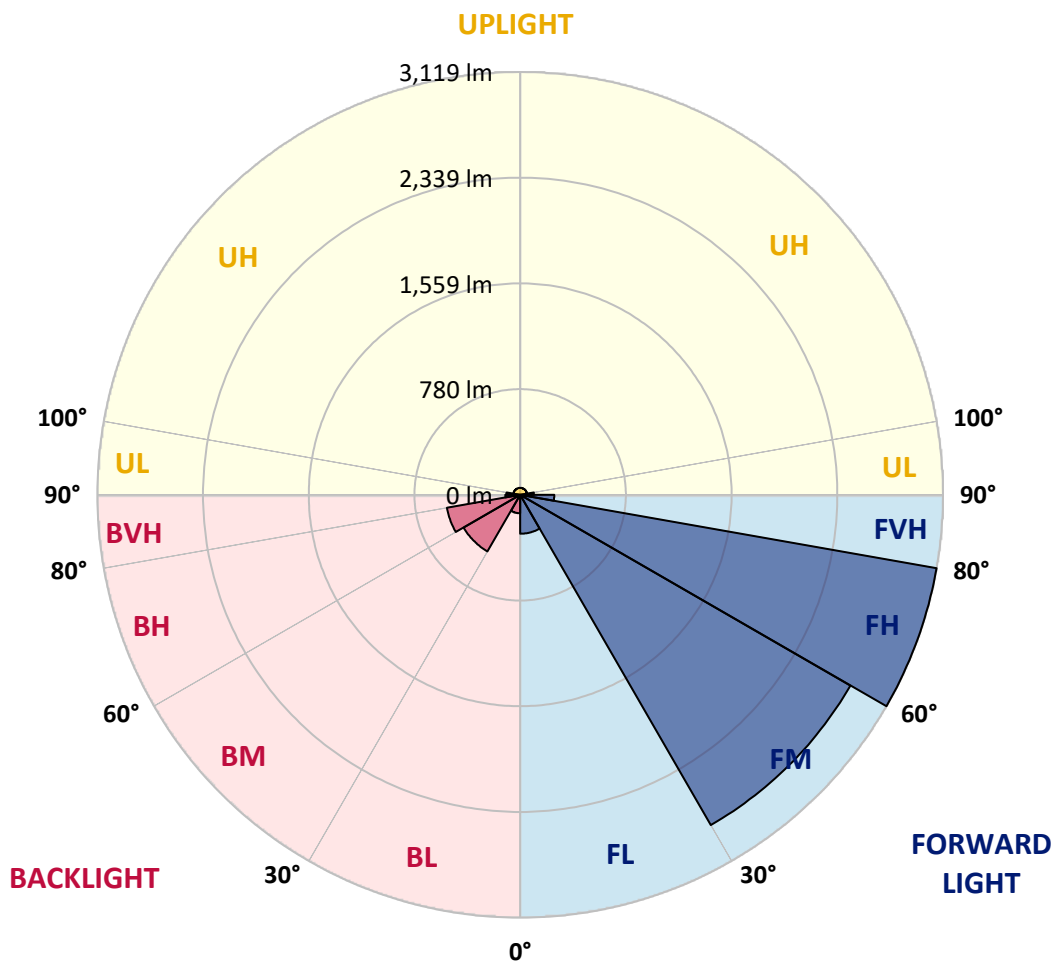
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.2	3.7			
FM	(30°-60°)	2812.6	35.8			
FH	(60°-80°)	3118.5	39.7			G2/5000
FVH	(80°-90°)	251.4	3.2			G3/500
BL	(0°-30°)	136.0	1.7	B1/500		
BM	(30°-60°)	481.6	6.1	B1/1000		
BH	(60°-80°)	548.2	7.0	B2/1000		G2/1000
BVH	(80°-90°)	110.0	1.4			G2/225
UL	(90°-100°)	101.6	1.3		U3/500	
UH	(100°-180°)	51.2	0.7		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.9	4.8	3.9	4.8	4.8	3.9	2.9	3.9	3.9	3.9	2.9
5°	240.8	243.7	217.7	170.2	32.9	23.2	7.7	4.8	4.8	3.9	3.9
7.5°	242.8	244.7	255.3	251.6	256.3	244.7	85.1	25.1	10.6	4.8	3.9
10°	261.1	260.1	257.3	263.1	262.1	249.5	240.8	230.2	52.2	6.8	5.8
12.5°	503.9	505.9	493.3	398.5	277.6	257.3	248.6	240.8	196.3	140.3	325.9
15°	507.8	504.9	491.3	512.7	504.9	295.0	413.0	527.1	531.0	394.7	453.7
17.5°	533.9	527.1	510.7	496.1	493.3	589.0	554.2	525.2	534.9	459.4	491.3
20°	726.3	719.6	710.9	693.5	528.0	672.3	670.3	560.1	564.9	916.9	893.7
22.5°	737.9	726.3	719.6	709.9	790.3	660.6	795.1	852.1	855.1	973.1	943.0
25°	980.7	976.9	915.9	737.9	788.3	751.4	912.1	914.1	894.8	1023.3	1124.0
27.5°	1086.1	1055.2	999.1	966.3	811.5	897.6	910.1	924.7	1162.6	1387.0	1353.1
30°	1459.4	1419.0	1115.2	1086.1	961.4	911.1	1050.4	1105.4	1202.3	1392.8	1401.5
32.5°	1684.9	1629.8	1476.9	1353.1	1140.3	1002.0	1124.0	1131.6	1210.9	1736.1	1771.9
35°	2082.4	2010.0	1655.0	1506.9	1331.9	1193.5	1164.4	1346.4	1454.7	1812.6	1834.8
37.5°	2159.8	2159.8	2058.2	1796.1	1528.2	1339.6	1370.5	1414.1	1525.3	1951.8	1942.2
40°	2236.2	2245.0	2264.3	2041.8	1741.0	1553.3	1508.9	1515.7	1620.1	2111.4	2069.8
42.5°	2425.8	2419.0	2450.9	2231.4	2027.3	1791.3	1717.8	1681.1	1756.5	2317.5	2231.4
45°	2753.7	2753.7	2729.6	2430.6	2243.9	2029.3	1959.6	1892.0	1918.9	2519.6	2452.9
47.5°	3159.9	3114.4	2985.8	2662.7	2433.5	2251.8	2193.7	2130.8	2144.3	2759.5	2717.0
50°	3464.6	3416.2	3170.6	2831.0	2589.2	2483.8	2455.8	2409.3	2390.0	2987.7	3005.1
52.5°	3530.3	3471.3	3254.8	2934.6	2719.8	2723.8	2752.7	2685.9	2623.1	3233.4	3296.3
55°	3450.1	3417.2	3281.8	3013.0	2842.7	2926.8	3054.5	2970.3	2942.3	3502.3	3578.7
57.5°	3290.5	3276.9	3269.2	3078.7	2925.9	3149.3	3442.3	3348.5	3275.0	3750.9	3782.8
60°	2953.0	2957.7	3045.8	3077.8	3075.7	3383.3	3803.1	3727.7	3586.4	3990.8	4024.6
62.5°	2358.1	2391.9	2623.1	2848.5	3156.1	3741.2	4148.3	4122.3	3970.5	4264.5	4259.7
65°	1488.5	1554.3	1897.8	2407.4	3046.7	4231.6	4706.5	4603.9	4405.7	4580.8	4653.3
67.5°	804.7	827.9	1018.6	1586.2	2637.6	4461.8	5916.5	5580.9	5122.4	5087.5	5101.1
70°	581.3	588.1	637.4	876.3	1649.2	4090.3	6984.3	7139.0	6256.9	5633.1	5274.3
72.5°	460.4	473.0	520.4	658.8	971.1	2756.6	7020.1	7928.3	7289.9	5873.0	4877.7
75°	317.3	336.6	419.8	566.8	875.3	1376.3	5710.4	6978.5	7037.5	5388.3	3876.6
77.5°	169.3	172.2	191.5	439.1	829.9	993.3	3689.0	5048.9	5037.3	3788.6	2099.9
80°	137.3	139.3	147.1	189.6	710.9	1013.6	1979.9	3057.4	2801.1	1472.2	765.1
82.5°	89.9	95.7	117.0	128.6	319.1	977.9	1176.1	1601.7	1277.7	532.0	479.7
85°	53.2	59.0	85.1	94.8	151.9	1141.3	1055.2	964.3	737.9	376.3	360.8
87.5°	18.3	18.3	25.1	32.9	50.3	326.9	551.3	441.1	338.4	249.5	296.9
90°	9.8	10.6	5.8	5.8	22.3	100.6	295.0	293.1	230.2	244.7	317.3
92.5°	10.6	10.6	5.8	5.8	23.2	60.0	314.3	336.6	271.8	274.7	343.4
95°	11.6	12.6	4.8	4.8	22.3	41.6	276.7	342.4	265.9	248.6	298.9
97.5°	12.6	13.5	4.8	3.9	14.5	31.9	139.3	195.3	153.8	117.0	130.6
100°	11.6	12.6	2.9	2.9	6.8	21.3	53.2	72.5	65.8	27.1	15.6
102.5°	11.6	12.6	2.9	1.9	2.9	11.6	11.6	27.1	16.4	8.7	12.6
105°	11.6	12.6	2.9	1.9	1.0	5.8	3.9	4.8	5.8	7.7	14.5
107.5°	6.8	7.7	1.9	1.9	1.0	1.0	1.9	1.9	3.9	5.8	12.6
110°	2.9	2.9	1.0	1.0	0.0	1.0	1.0	1.9	3.9	4.8	6.8



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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	1.0	1.9	2.9	3.9	5.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	6.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	6.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	6.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	6.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	6.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.9	5.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.9	5.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.9	3.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	2.9
140°	0.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.9	1.9	2.9
142.5°	1.9	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.9	2.9	2.9
145°	2.9	1.9	1.9	1.0	0.0	0.0	1.0	1.9	2.9	2.9	2.9
147.5°	2.9	2.9	1.9	1.0	0.0	0.0	1.0	1.9	2.9	3.9	3.9
150°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	1.0	1.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	2.9	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.9	2.9	2.9	1.9	1.0	0.0	0.0	0.0	1.0	1.0	1.9
7.5°	2.9	2.9	2.9	1.9	1.9	1.0	178.9	207.9	239.0	234.1	227.3
10°	4.8	4.8	4.8	3.9	11.6	214.7	240.8	230.2	225.4	223.4	226.2
12.5°	329.9	388.9	129.6	19.3	190.5	209.9	214.7	203.1	209.9	211.9	206.1
15°	452.7	443.9	408.2	419.8	373.3	202.1	192.6	286.3	285.2	284.4	284.4
17.5°	489.4	465.2	403.3	426.5	373.3	306.6	237.9	227.3	219.6	220.4	218.6
20°	881.1	824.1	637.4	414.9	326.9	327.9	202.1	175.1	219.6	256.3	261.1
22.5°	888.0	832.8	667.3	537.8	326.9	259.2	198.3	206.9	248.6	271.8	275.7
25°	1117.1	1009.8	655.8	454.6	327.9	210.9	210.9	199.3	226.2	258.3	263.1
27.5°	1274.8	1150.1	799.9	445.9	246.6	206.1	188.6	190.5	241.8	264.1	265.1
30°	1276.7	1129.7	752.5	374.3	205.1	178.9	170.2	199.3	211.9	226.2	227.3
32.5°	1659.7	1440.1	845.3	300.8	182.8	161.4	171.2	189.6	213.7	249.5	253.4
35°	1659.7	1416.0	736.1	276.7	173.1	162.5	176.0	203.1	204.1	231.2	237.0
37.5°	1706.2	1414.1	621.9	231.2	180.9	162.5	183.8	190.5	199.3	227.3	228.3
40°	1778.7	1434.3	508.7	210.9	178.9	177.0	178.9	187.6	185.7	204.1	205.1
42.5°	1898.7	1479.8	422.8	204.1	178.0	185.7	180.9	178.0	167.2	219.6	220.4
45°	2074.8	1583.3	359.8	204.1	178.9	198.3	186.8	172.2	161.4	265.1	272.7
47.5°	2281.7	1712.9	330.8	208.9	182.8	201.1	178.0	172.2	172.2	287.3	291.1
50°	2529.3	1861.9	317.3	212.8	195.3	199.3	183.8	182.8	190.5	266.9	265.9
52.5°	2791.3	2045.7	315.3	218.6	204.1	191.5	207.9	195.3	170.2	195.3	195.3
55°	3051.6	2272.0	312.4	220.4	199.3	196.3	212.8	174.0	145.1	158.7	160.6
57.5°	3302.2	2487.8	324.1	212.8	198.3	196.3	203.1	174.0	149.9	162.5	166.4
60°	3557.5	2728.5	392.7	201.1	202.1	191.5	202.1	188.6	165.4	196.3	200.2
62.5°	3866.9	3060.3	534.9	211.9	205.1	194.4	201.1	200.2	172.2	187.6	191.5
65°	4309.9	3429.7	619.1	249.5	213.7	203.1	201.1	216.7	192.6	182.8	183.8
67.5°	4613.7	3564.2	600.6	281.5	235.0	208.9	217.7	233.0	206.1	207.9	206.9
70°	4558.6	3325.3	522.3	296.9	248.6	214.7	235.0	232.1	216.7	246.6	244.7
72.5°	3994.6	2695.7	442.9	272.7	244.7	216.7	239.0	237.9	235.0	296.0	296.0
75°	2975.1	1808.7	383.9	250.5	234.1	214.7	234.1	236.0	234.1	302.7	304.8
77.5°	1460.5	903.3	325.9	225.4	216.7	219.6	231.2	232.1	229.2	294.0	294.0
80°	652.9	495.2	248.6	189.6	208.9	231.2	232.1	223.4	227.3	278.6	277.6
82.5°	452.7	355.9	162.5	166.4	234.1	250.5	237.0	218.6	215.7	254.3	250.5
85°	328.9	262.1	99.7	141.2	256.3	237.0	224.4	197.3	188.6	215.7	210.9
87.5°	265.1	208.9	60.9	118.0	234.1	207.9	186.8	162.5	150.9	166.4	158.7
90°	286.3	225.4	60.9	102.4	192.6	155.7	137.3	121.0	109.3	110.3	105.4
92.5°	308.5	239.9	64.8	85.1	142.1	89.9	91.9	84.1	66.7	60.0	54.2
95°	237.9	180.0	57.1	70.6	85.1	55.1	70.6	63.8	45.5	31.9	27.1
97.5°	105.4	85.1	51.3	56.0	60.0	45.5	60.0	51.3	27.1	15.6	13.5
100°	12.6	21.3	44.5	54.2	43.4	30.9	39.7	30.9	11.6	3.9	2.9
102.5°	13.5	9.8	19.3	48.4	25.1	9.8	11.6	11.6	4.8	1.9	1.9
105°	14.5	10.6	7.7	25.1	5.8	1.9	1.0	1.0	1.0	1.9	1.9
107.5°	13.5	9.8	4.8	3.9	2.9	1.9	0.0	0.0	0.0	1.9	2.9
110°	7.7	6.8	4.8	3.9	2.9	1.9	0.0	0.0	0.0	2.9	3.9



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CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.8	5.8	3.9	2.9	1.9	1.0	0.0	0.0	0.0	3.9	4.8
115°	6.8	5.8	3.9	2.9	1.9	1.0	0.0	0.0	0.0	4.8	5.8
117.5°	7.7	6.8	3.9	2.9	1.9	0.0	0.0	0.0	0.0	5.8	5.8
120°	7.7	6.8	3.9	2.9	1.0	0.0	0.0	0.0	0.0	4.8	5.8
122.5°	7.7	6.8	3.9	1.9	1.0	0.0	0.0	0.0	0.0	4.8	5.8
125°	6.8	6.8	3.9	1.9	1.0	0.0	0.0	0.0	0.0	4.8	4.8
127.5°	6.8	5.8	3.9	1.9	1.0	0.0	0.0	0.0	0.0	3.9	4.8
130°	5.8	5.8	2.9	1.9	1.0	0.0	0.0	0.0	0.0	2.9	3.9
132.5°	4.8	3.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	1.0	1.9
135°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.9	3.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.9	3.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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

(END OF REPORT)