

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: P254749

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T2U-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254749
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-AF24-90-D-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA 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: 8592.8 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G3

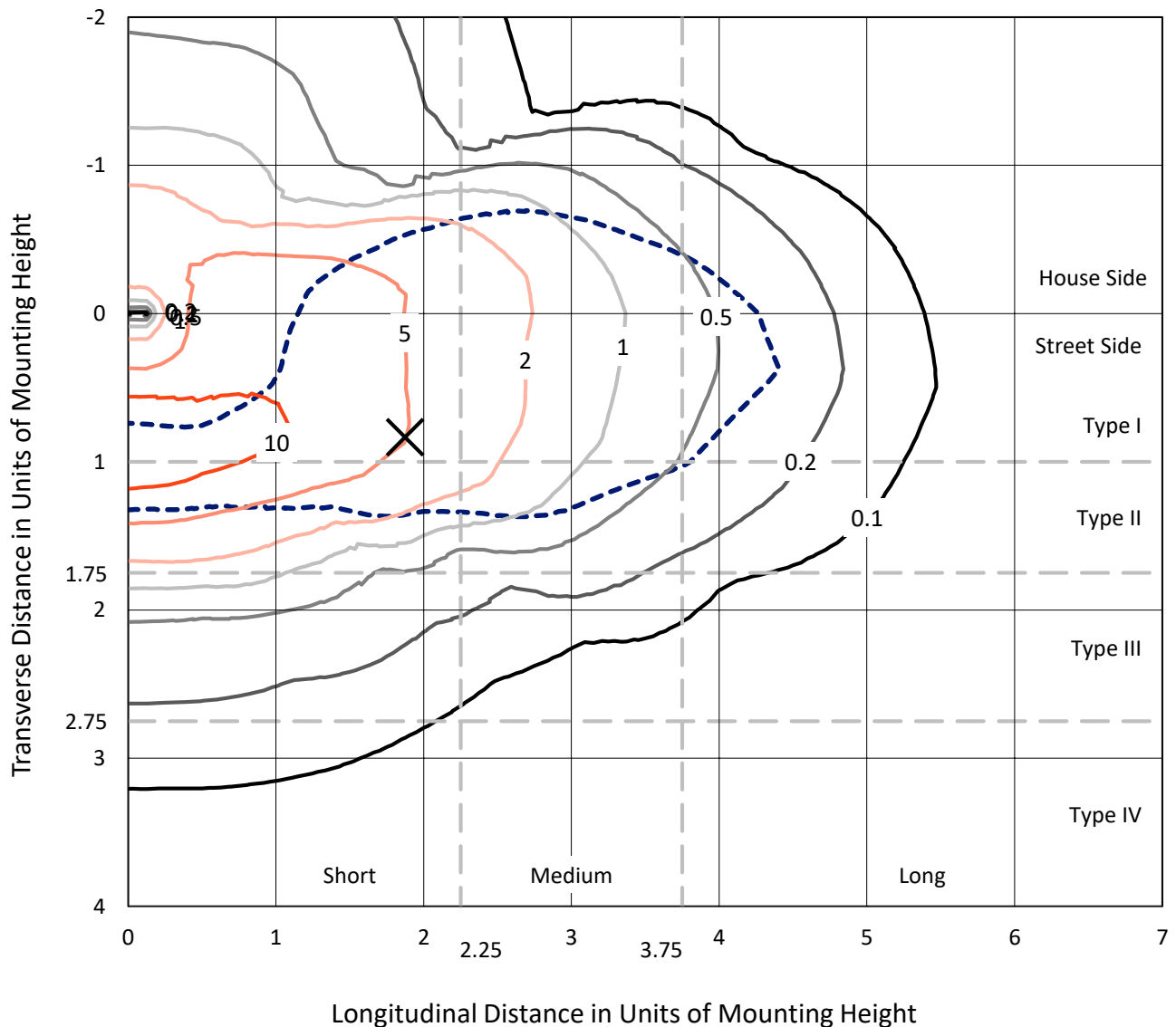
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

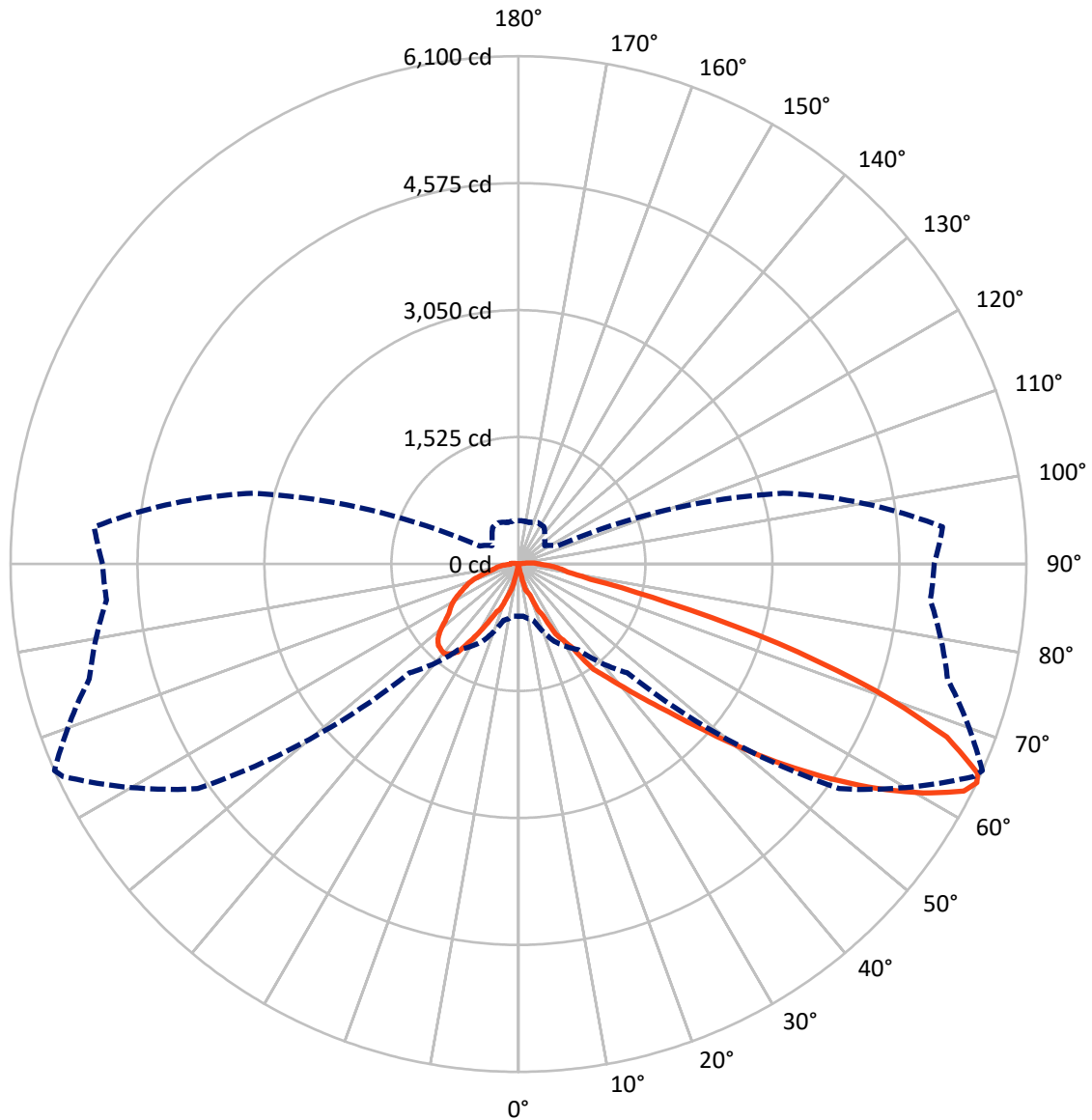
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 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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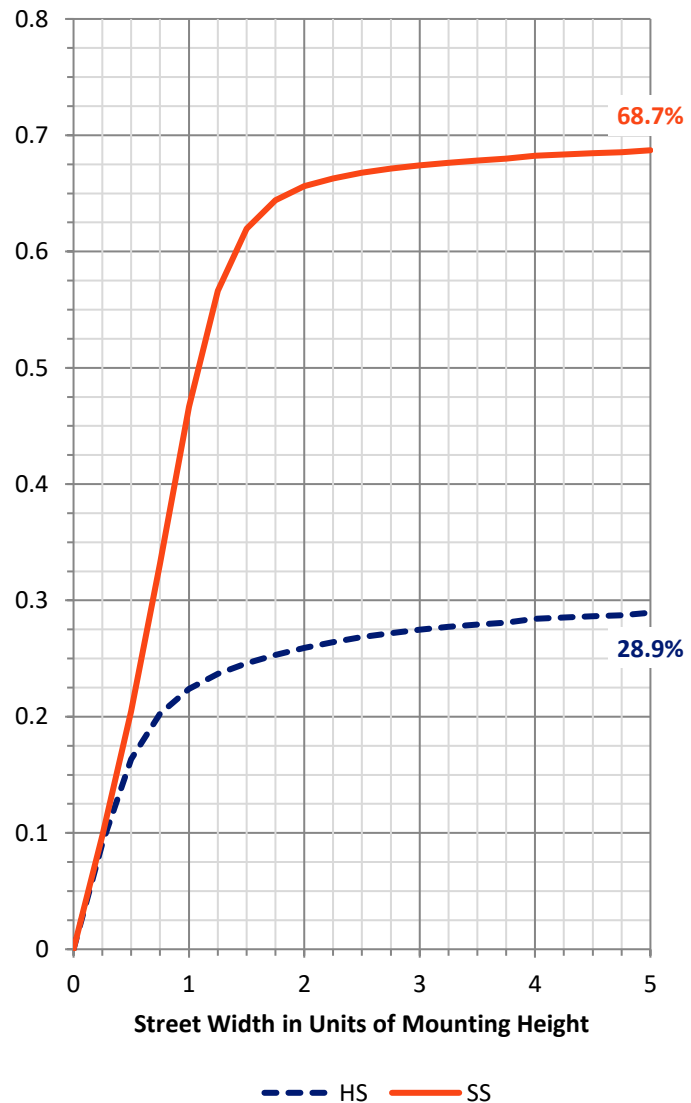
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2542.8	52.6	2595.5
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	5949.6	47.8	5997.3
	% Fixture	69.2	0.6	69.8
Total	Lumens	8492.4	100.4	8592.8
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	83.3	1.0
20°-30°	335.8	3.9
30°-40°	850.1	9.9
40°-50°	1620.8	18.9
50°-60°	2174.1	25.3
60°-70°	2013.2	23.4
70°-80°	1132.2	13.2
80°-90°	277.1	3.2
90°-100°	84.5	1.0
100°-110°	10.0	0.1
110°-120°	2.7	0.0
120°-130°	1.7	0.0
130°-140°	0.6	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°	8492.4	98.8
0°-180°	8592.8	100.0



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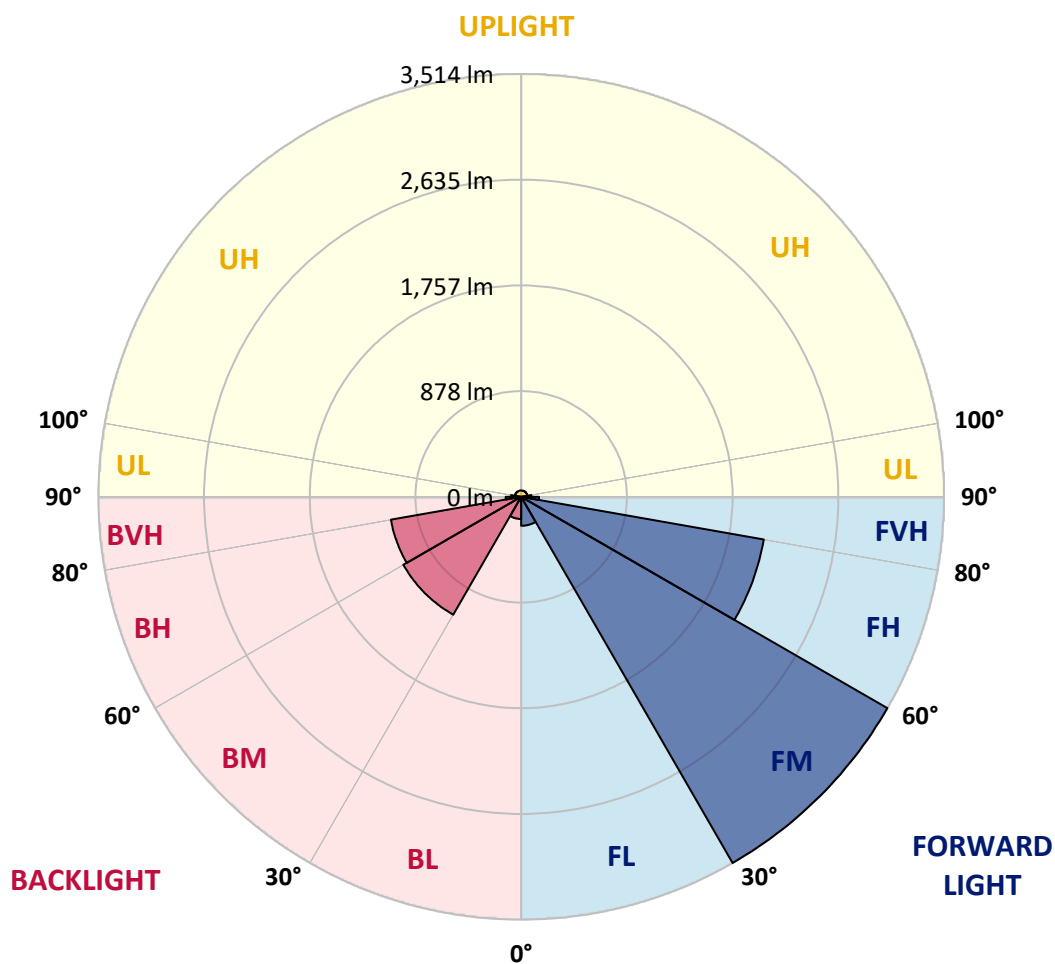
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.7	2.8			
FM (30°-60°)	3513.8	40.9			
FH (60°-80°)	2046.8	23.8			G2/5000
FVH (80°-90°)	148.3	1.7			G2/225
BL (0°-30°)	184.1	2.1	B1/500		
BM (30°-60°)	1131.3	13.2	B2/2500		
BH (60°-80°)	1098.6	12.8	B3/2500		G3/2500
BVH (80°-90°)	128.8	1.5			G2/225
UL (90°-100°)	84.5	1.0		U3/500	
UH (100°-180°)	52.6	0.6		U3/500	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	10.1	10.1	10.1	11.2	10.1	9.1	8.1	6.0	5.0	3.1	3.1
5°	132.4	132.4	131.3	127.3	39.4	20.3	13.1	8.1	8.1	5.0	3.1
7.5°	148.5	147.5	147.5	143.4	142.4	131.3	66.7	13.1	12.2	7.1	4.1
10°	164.7	160.6	158.7	155.6	156.6	147.5	137.4	64.7	37.3	14.1	11.2
12.5°	305.0	303.1	294.0	247.6	171.8	157.6	154.6	129.3	125.3	108.1	126.2
15°	337.5	331.3	325.3	324.3	307.1	191.9	243.5	318.2	321.3	247.6	267.7
17.5°	394.0	383.9	363.7	348.5	339.4	394.0	362.6	351.6	354.6	303.1	302.1
20°	597.1	596.1	585.9	517.2	387.9	486.9	468.7	402.1	400.1	547.6	534.4
22.5°	704.1	687.0	673.8	651.6	666.8	533.4	569.8	585.9	599.0	628.4	601.1
25°	1058.8	971.9	928.4	754.6	794.0	674.8	750.6	687.0	680.9	702.2	756.7
27.5°	1221.4	1226.4	1192.0	1130.5	917.3	946.6	837.5	962.8	954.7	971.9	932.4
30°	1626.5	1599.2	1412.3	1351.7	1186.0	1078.9	1154.7	1083.0	1059.8	1039.5	1030.4
32.5°	2005.4	2004.4	1953.8	1703.3	1493.1	1262.8	1313.4	1203.2	1210.3	1341.6	1373.9
35°	2594.3	2555.9	2252.8	2100.3	1784.1	1612.4	1475.0	1564.9	1552.7	1534.5	1547.7
37.5°	3275.2	3226.7	2969.1	2492.3	2162.9	1849.8	1832.6	1768.0	1723.5	1743.7	1756.8
40°	3674.2	3633.8	3408.6	3003.5	2524.6	2264.0	2096.2	2000.3	1945.8	2025.5	2022.5
42.5°	3958.1	3922.8	3793.5	3375.2	3035.8	2758.0	2409.5	2272.1	2215.5	2337.7	2290.2
45°	4102.6	4041.0	4025.8	3710.7	3482.3	3358.0	2842.9	2605.5	2534.7	2665.0	2608.4
47.5°	4028.9	3961.2	4019.8	3819.7	3884.5	3879.3	3381.3	2993.4	2946.9	3056.0	2971.2
50°	3686.4	3647.0	3773.3	3800.6	4090.5	4301.6	3980.4	3404.6	3463.1	3410.6	3353.0
52.5°	3122.7	3106.5	3308.5	3535.8	4059.2	4578.4	4532.0	3875.3	4006.6	3772.2	3695.5
55°	2523.6	2526.6	2746.8	3015.6	3732.8	4617.8	5011.8	4437.0	4549.2	4136.9	4029.9
57.5°	1842.6	1923.6	2175.1	2403.4	3112.5	4359.2	5308.8	4998.8	5091.6	4513.8	4335.0
60°	1195.1	1224.4	1527.5	1890.2	2295.3	3575.3	5424.0	5512.9	5584.7	4904.7	4625.9
62.5°	789.0	792.1	917.3	1335.6	1587.1	2495.3	5143.2	5937.2	6005.9	5205.8	4873.4
64°	628.4	627.4	701.1	1025.4	1259.8	1846.7	4703.7	6035.2	6099.9	5336.1	4966.4
65°	554.6	553.6	607.1	824.4	1077.0	1476.0	4265.3	5999.8	6062.5	5394.7	4991.6
67.5°	470.8	472.8	494.0	566.7	779.9	888.0	2609.4	5497.7	5549.3	5349.2	4903.7
70°	434.4	436.4	461.7	475.9	615.2	659.7	1134.6	4490.5	4550.2	5142.2	4701.7
72.5°	382.9	386.0	419.2	455.6	487.9	547.6	722.3	3090.3	3261.1	4459.2	4429.9
75°	320.3	323.3	354.6	402.1	425.3	446.5	625.3	1639.6	1851.7	3356.0	3948.1
77.5°	261.7	263.7	289.9	322.2	386.9	346.5	547.6	838.5	889.0	2123.5	2919.6
80°	192.9	195.0	223.3	258.6	300.0	302.1	451.5	604.2	607.1	1161.8	1576.0
82.5°	132.4	133.4	161.6	181.9	212.2	279.9	361.7	498.1	523.3	690.0	724.4
85°	90.9	92.0	109.1	116.2	133.4	154.6	261.7	391.0	429.3	495.0	434.4
87.5°	43.5	45.4	47.5	50.5	52.6	54.5	112.1	288.0	303.1	330.3	343.5
90°	36.4	36.4	28.3	27.3	31.3	32.3	51.6	245.5	240.4	316.2	341.5
92.5°	36.4	36.4	26.3	25.3	28.3	27.3	37.3	202.0	196.0	311.2	337.5
95°	31.3	32.3	21.2	20.3	24.2	22.2	29.3	118.2	125.3	219.2	249.5
97.5°	26.3	26.3	16.2	16.2	17.2	16.2	19.2	43.5	48.5	93.0	110.1
100°	19.2	20.3	10.1	11.2	11.2	10.1	10.1	18.2	20.3	25.3	24.2
102.5°	16.2	18.2	7.1	8.1	6.0	6.0	5.0	8.1	8.1	13.1	19.2
105°	12.2	14.1	5.0	5.0	4.1	4.1	2.0	6.0	6.0	11.2	20.3
107.5°	7.1	8.1	3.1	3.1	3.1	4.1	2.0	4.1	5.0	9.1	17.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	3.1	3.1	1.0	2.0	1.0	3.1	2.0	4.1	5.0	4.1	9.1
112.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	3.1	2.0	5.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	2.0	5.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	5.0
120°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	5.0
122.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	4.1
125°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1
127.5°	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1
130°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
135°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
137.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	4.1	4.1	4.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	5.0	5.0	4.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
150°	4.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	3.1	4.1	4.1	5.0	5.0	6.0	6.0	6.0	6.0	5.0	5.0
5°	3.1	4.1	4.1	5.0	6.0	8.1	9.1	11.2	11.2	12.2	12.2
7.5°	4.1	4.1	5.0	6.0	9.1	15.1	45.4	144.4	149.6	162.6	163.7
10°	10.1	11.2	11.2	12.2	29.3	148.5	166.7	173.8	182.9	183.8	182.9
12.5°	133.4	128.3	123.3	38.4	146.5	178.8	183.8	194.0	199.1	214.2	214.2
15°	269.8	269.8	260.6	286.9	259.6	199.1	214.2	336.4	348.5	357.6	352.6
17.5°	306.1	306.1	300.0	363.7	391.0	315.2	344.5	370.7	378.8	380.8	379.8
20°	550.6	544.5	491.0	446.5	408.2	500.1	422.3	381.9	454.6	526.3	530.4
22.5°	599.0	591.0	577.9	585.9	536.4	515.3	484.0	508.2	524.4	527.3	528.4
25°	755.7	750.6	652.6	624.3	673.8	574.8	581.9	498.1	507.2	518.2	517.2
27.5°	936.5	920.3	870.8	747.6	705.1	677.9	549.5	526.3	581.9	584.9	582.9
30°	1039.5	994.1	903.2	923.3	761.7	648.6	545.5	551.6	527.3	528.4	530.4
32.5°	1386.1	1331.5	1214.3	1073.9	813.2	610.2	528.4	495.0	534.4	541.4	544.5
35°	1515.4	1466.9	1365.8	1270.9	828.4	581.9	469.7	484.9	485.9	487.9	490.0
37.5°	1695.2	1627.5	1543.6	1331.5	823.4	512.2	457.7	459.6	492.0	498.1	501.0
40°	1916.4	1830.6	1736.7	1358.8	742.6	485.9	447.5	462.7	473.8	470.8	472.8
42.5°	2178.1	2062.0	1930.6	1326.5	629.4	473.8	447.5	457.7	459.6	450.6	450.6
45°	2479.1	2349.8	2095.2	1290.0	542.5	477.8	457.7	451.5	441.5	428.3	425.3
47.5°	2808.5	2657.9	2246.8	1219.4	481.9	474.9	463.7	441.5	430.4	419.2	419.2
50°	3161.0	3002.5	2376.1	1110.3	453.6	469.7	460.6	447.5	435.4	415.2	414.2
52.5°	3498.5	3369.2	2536.7	961.8	426.4	473.8	484.0	454.6	437.4	410.2	410.2
55°	3824.8	3750.0	2681.2	844.5	415.2	461.7	497.1	471.8	435.4	414.2	415.2
57.5°	4150.1	4141.0	2846.9	765.8	402.1	454.6	514.2	484.9	454.6	433.4	433.4
60°	4519.8	4561.2	3060.1	677.9	400.1	446.5	521.3	507.2	471.8	467.8	468.7
62.5°	4838.0	4946.2	3222.7	575.8	386.9	440.5	533.4	528.4	493.0	489.0	495.0
64°	4994.7	5114.9	3286.3	512.2	383.9	444.5	538.5	549.5	516.3	520.3	520.3
65°	5051.2	5169.5	3304.5	469.7	380.8	446.5	539.5	556.7	521.3	520.3	520.3
67.5°	5053.3	5144.2	3240.9	403.0	367.8	445.5	544.5	575.8	541.4	564.8	555.7
70°	4934.0	4815.8	2994.4	356.6	365.7	446.5	540.5	565.7	535.4	588.0	582.9
72.5°	4605.7	4181.4	2379.2	314.1	369.8	440.5	519.2	539.5	517.2	594.0	589.0
75°	3891.5	3259.0	1464.9	294.0	364.7	419.2	494.0	491.0	479.9	528.4	525.3
77.5°	2674.1	2144.7	701.1	286.9	357.6	389.9	438.4	433.4	421.3	441.5	435.4
80°	1384.1	1133.5	423.3	262.7	332.4	338.4	357.6	361.7	348.5	353.6	345.6
82.5°	654.7	598.0	355.6	239.5	284.9	250.5	277.8	290.9	267.7	268.7	240.4
85°	409.2	417.3	293.0	185.9	191.9	152.5	192.9	207.1	177.8	151.5	144.4
87.5°	339.4	354.6	216.1	104.0	88.9	77.7	109.1	114.2	81.8	68.7	63.6
90°	350.6	361.7	213.2	82.9	70.7	58.6	79.8	70.7	50.5	44.5	40.4
92.5°	347.5	352.6	211.1	79.8	66.7	53.5	67.7	54.5	39.4	34.4	31.3
95°	261.7	280.8	170.7	77.7	58.6	43.5	50.5	42.5	27.3	24.2	22.2
97.5°	108.1	127.3	101.1	73.8	45.4	32.3	33.3	29.3	16.2	14.1	13.1
100°	21.2	33.3	53.5	53.5	22.2	17.2	17.2	16.2	8.1	7.1	6.0
102.5°	21.2	20.3	24.2	29.3	10.1	5.0	6.0	8.1	5.0	7.1	7.1
105°	22.2	21.2	13.1	8.1	6.0	3.1	2.0	2.0	4.1	8.1	9.1
107.5°	20.3	20.3	9.1	6.0	5.0	4.1	1.0	1.0	3.1	9.1	10.1



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.1	11.2	7.1	5.0	5.0	4.1	1.0	0.0	3.1	10.1	11.2
112.5°	6.0	6.0	6.0	4.1	3.1	3.1	1.0	0.0	3.1	11.2	12.2
115°	6.0	6.0	5.0	4.1	3.1	2.0	0.0	0.0	3.1	12.2	13.1
117.5°	6.0	6.0	5.0	3.1	2.0	1.0	0.0	0.0	3.1	12.2	13.1
120°	6.0	6.0	5.0	3.1	2.0	1.0	0.0	0.0	3.1	11.2	12.2
122.5°	6.0	6.0	5.0	3.1	2.0	1.0	0.0	0.0	3.1	9.1	10.1
125°	5.0	5.0	4.1	3.1	2.0	1.0	0.0	0.0	2.0	8.1	8.1
127.5°	4.1	5.0	4.1	3.1	2.0	1.0	0.0	0.0	2.0	6.0	7.1
130°	4.1	4.1	3.1	3.1	2.0	1.0	0.0	0.0	1.0	5.0	6.0
132.5°	3.1	3.1	2.0	2.0	2.0	1.0	0.0	0.0	0.0	2.0	3.1
135°	1.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0
137.5°	1.0	1.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	2.0	2.0	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	1.0	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)