

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: P254633

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
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-T4W-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8149.6 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - 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

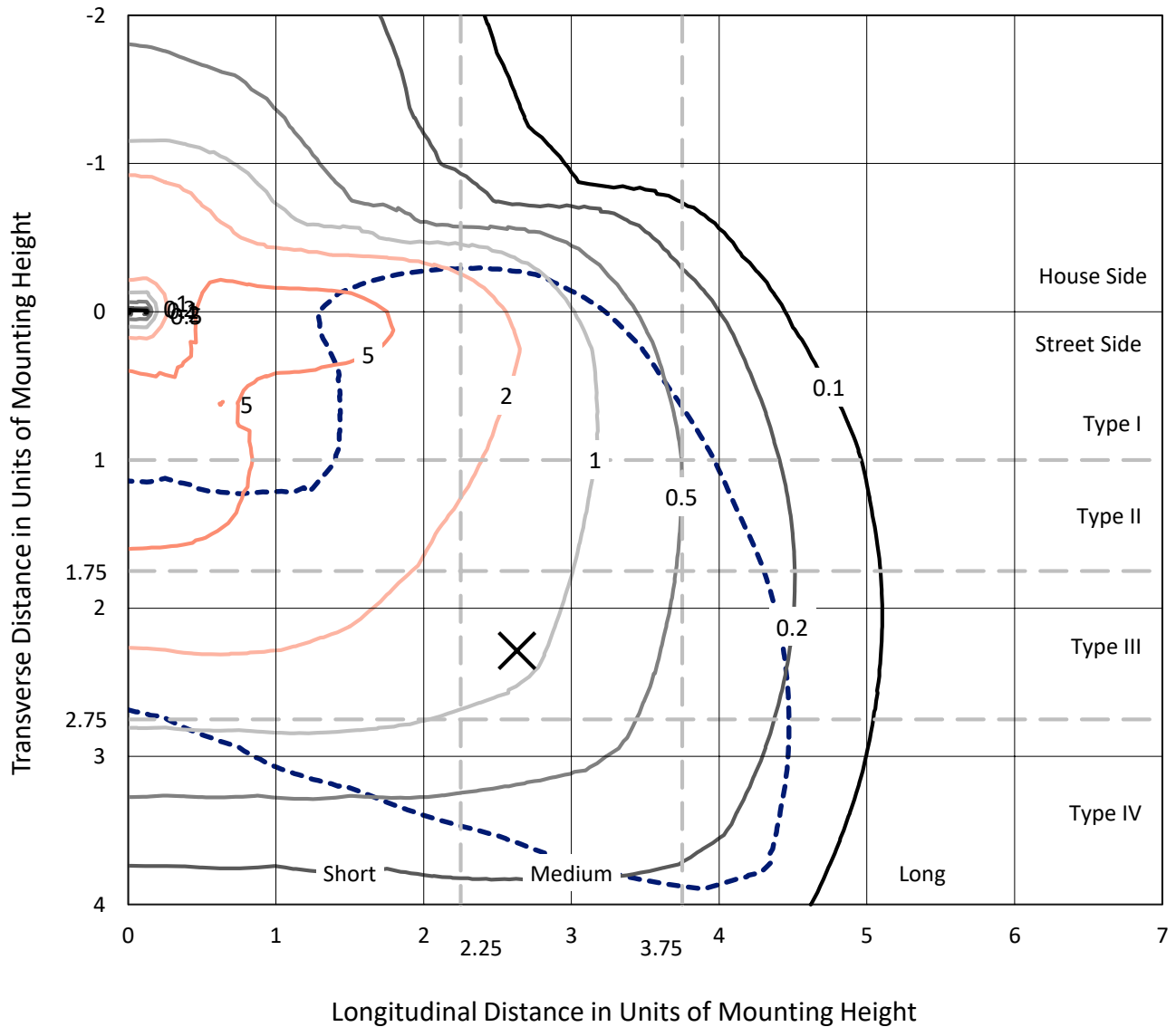


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

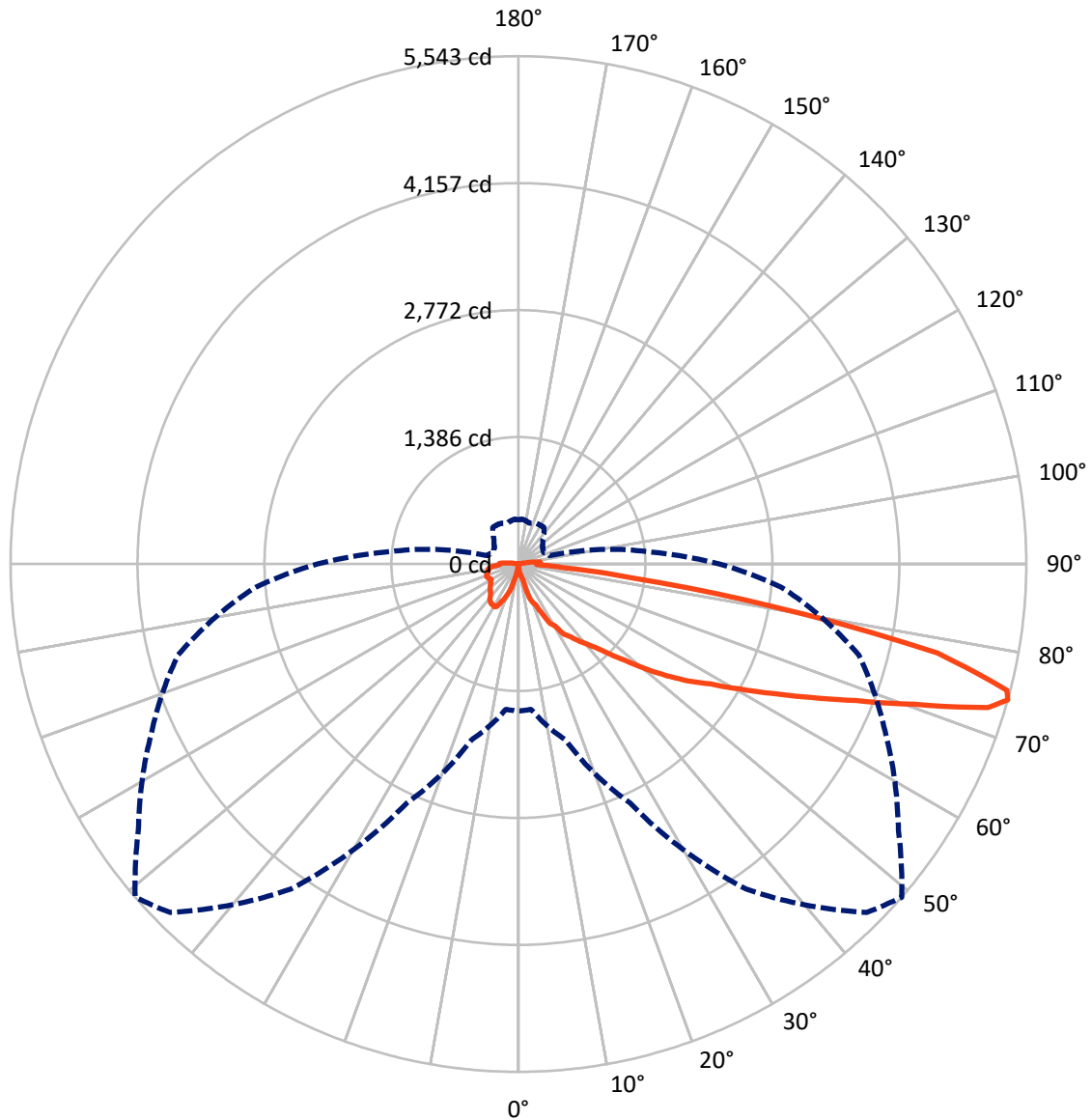


Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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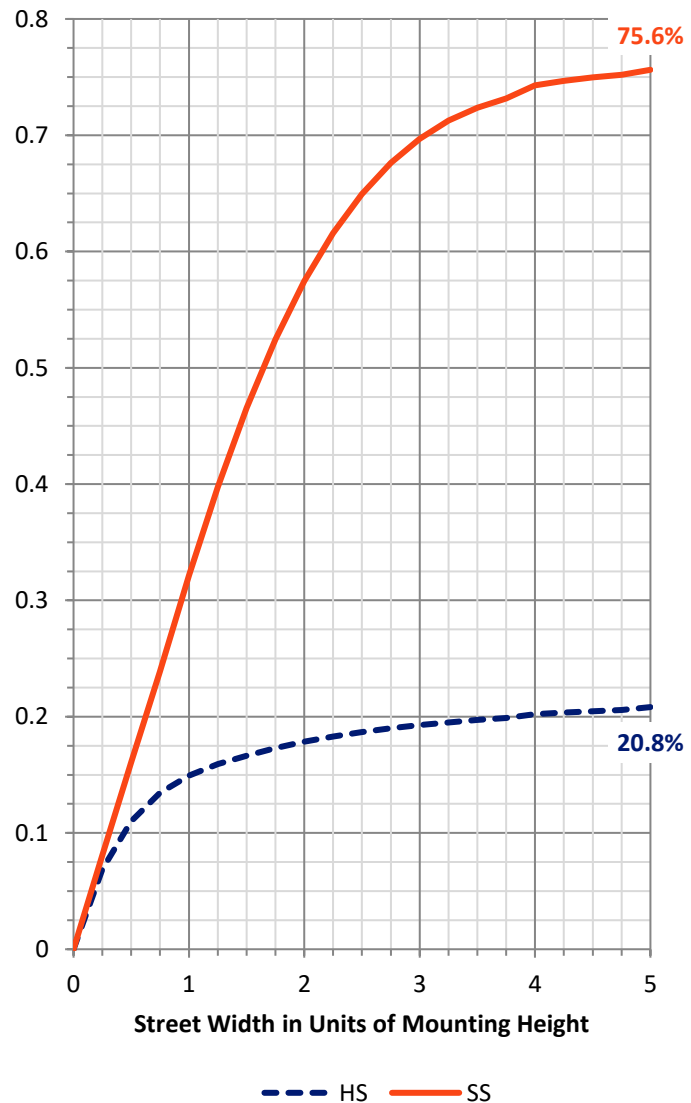
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1797.3	77.2	1874.5
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	6210.4	64.7	6275.1
	% Fixture	76.2	0.8	77.0
Total	Lumens	8007.7	141.9	8149.6
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	73.3	0.9
20°-30°	278.1	3.4
30°-40°	591.1	7.3
40°-50°	971.6	11.9
50°-60°	1567.1	19.2
60°-70°	2264.3	27.8
70°-80°	1858.9	22.8
80°-90°	398.7	4.9
90°-100°	128.4	1.6
100°-110°	10.2	0.1
110°-120°	1.5	0.0
120°-130°	1.0	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8007.7	98.3
0°-180°	8149.6	100.0

Coefficient of Utilization



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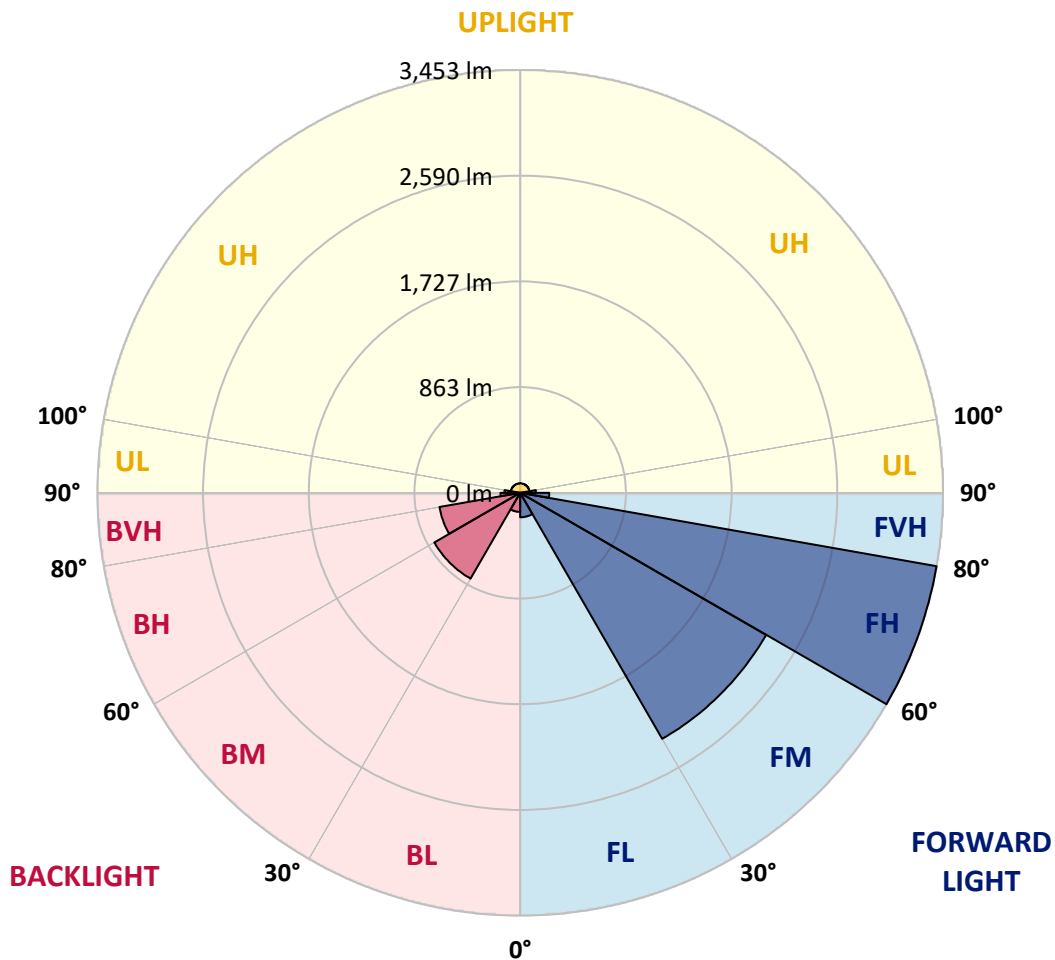
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.7	2.5			
FM (30°-60°)	2319.9	28.5			
FH (60°-80°)	3453.5	42.4			G2/5000
FVH (80°-90°)	237.3	2.9			G3/500
BL (0°-30°)	156.3	1.9	B1/500		
BM (30°-60°)	809.9	9.9	B1/1000		
BH (60°-80°)	669.7	8.2	B2/1000		G2/1000
BVH (80°-90°)	161.4	2.0			G2/225
UL (90°-100°)	128.4	1.6		U3/500	
UH (100°-180°)	77.2	0.9		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	6.8	5.8	4.8	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9
5°	108.2	107.4	97.7	92.9	37.7	23.2	20.3	12.6	4.8	3.9	3.9
7.5°	128.6	126.7	123.8	129.6	121.0	105.4	96.7	56.0	15.6	4.8	3.9
10°	170.2	168.3	153.8	149.9	136.3	124.8	118.0	110.3	46.4	9.8	6.8
12.5°	322.1	311.4	302.7	256.3	173.1	140.3	139.3	130.6	109.3	98.7	119.9
15°	363.7	354.0	339.5	336.6	307.6	185.7	170.2	235.0	278.5	208.9	213.7
17.5°	412.0	416.9	397.4	356.9	331.7	355.0	390.7	345.3	305.6	254.3	258.3
20°	580.2	576.5	560.9	514.5	420.7	457.5	444.9	437.1	356.9	470.1	456.4
22.5°	602.6	601.6	593.9	565.9	604.5	487.6	483.6	538.7	531.0	540.7	521.2
25°	790.2	797.9	772.8	606.4	636.4	622.9	600.6	654.8	593.9	598.7	667.3
27.5°	827.9	824.1	810.4	776.7	673.1	737.9	732.1	694.5	770.9	812.5	817.3
30°	1041.7	1014.6	876.3	844.3	812.5	772.8	783.4	827.0	860.9	849.2	896.6
32.5°	1145.1	1138.4	1116.2	990.4	879.2	855.9	912.1	927.5	908.2	1075.5	1157.7
35°	1490.4	1459.4	1281.5	1097.7	979.7	967.2	973.0	972.1	1104.5	1134.5	1247.7
37.5°	1922.8	1882.2	1741.9	1346.3	1069.7	1012.7	1061.0	1110.3	1155.9	1242.9	1329.9
40°	2176.2	2154.9	2042.7	1664.6	1247.7	1101.7	1149.1	1173.2	1233.2	1304.8	1450.8
42.5°	2370.6	2368.6	2298.0	1889.0	1490.4	1242.9	1251.6	1254.4	1299.0	1415.0	1588.2
45°	2503.1	2501.2	2513.7	2099.8	1722.6	1403.4	1404.4	1369.6	1401.5	1552.3	1778.6
47.5°	2667.6	2638.5	2667.6	2323.2	1923.7	1594.0	1576.5	1495.3	1562.1	1742.9	2043.7
50°	2832.0	2804.9	2816.4	2498.3	2123.0	1826.0	1795.1	1686.8	1778.6	1982.7	2371.6
52.5°	3046.7	3011.8	2959.7	2683.0	2392.9	2067.8	2024.3	1936.3	2021.4	2284.5	2785.6
55°	3204.3	3179.2	3161.8	2945.1	2583.4	2282.5	2252.6	2153.0	2383.2	2622.1	3227.5
57.5°	3327.2	3336.9	3390.0	3266.2	2941.3	2518.5	2470.3	2428.7	2724.6	3021.6	3701.4
60°	3456.8	3438.4	3569.0	3565.1	3244.0	2755.5	2765.3	2759.5	3072.8	3402.6	4251.9
62.5°	3449.0	3463.5	3698.5	3776.9	3504.2	3071.9	3109.5	3098.9	3429.6	3781.8	4660.0
65°	3136.7	3179.2	3690.8	3869.8	3826.3	3446.1	3509.0	3500.3	3842.6	4104.8	4918.2
67.5°	2931.5	2985.7	3468.3	3945.3	4131.8	3925.9	3976.2	3944.3	4137.6	4284.7	4919.2
70°	2716.8	2754.5	3184.1	3975.2	4461.7	4551.6	4583.5	4386.2	4383.4	4387.2	4515.9
72.5°	2211.0	2215.9	2604.6	3514.8	4604.8	5229.7	5358.3	4925.0	4511.0	4194.8	3628.0
74°	1604.6	1592.0	1988.5	2875.4	4330.2	5377.6	5543.0	5062.3	4425.9	3846.6	2875.4
75°	1157.7	1190.6	1484.7	2326.1	3907.4	5337.0	5506.2	5034.2	4249.8	3493.6	2338.7
77.5°	368.5	381.1	483.6	979.7	2392.9	4373.6	4673.4	4230.5	3236.3	2207.1	1209.0
80°	197.3	206.1	258.3	384.9	1004.0	2538.8	2830.1	2457.7	1797.1	1109.4	661.6
82.5°	118.0	123.8	169.3	232.1	520.4	1054.3	1247.7	1022.3	875.2	638.4	462.2
85°	76.4	78.3	98.7	143.1	337.5	414.9	486.5	501.1	499.1	447.9	371.4
87.5°	42.6	43.4	46.4	60.9	154.7	217.7	198.3	242.8	290.2	288.2	328.9
90°	29.9	29.9	25.1	27.1	85.1	218.6	199.3	213.7	192.6	226.2	339.5
92.5°	28.1	29.1	23.2	24.1	67.7	214.7	239.9	239.0	197.3	237.0	341.4
95°	23.2	25.1	18.3	20.3	42.6	183.8	237.9	237.0	174.0	187.6	242.8
97.5°	18.3	19.3	12.6	15.6	25.1	93.9	143.1	136.3	91.9	79.3	94.8
100°	11.6	12.6	6.8	10.6	15.6	30.9	51.3	54.2	42.6	19.3	11.6
102.5°	11.6	12.6	4.8	6.8	6.8	8.7	11.6	9.8	13.5	6.8	9.8
105°	11.6	12.6	3.9	2.9	1.9	2.9	1.9	2.9	4.8	5.8	11.6
107.5°	8.7	9.8	1.9	1.9	1.0	1.9	1.9	1.9	2.9	4.8	10.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	5.8	5.8	1.0	1.0	0.0	1.9	1.9	1.9	2.9	3.9	5.8
112.5°	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	2.9	2.9	3.9
115°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	2.9	4.8
117.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9	4.8
120°	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.9	4.8
122.5°	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.9	4.8
125°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.9	4.8
127.5°	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.9	3.9
130°	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.9	3.9
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
142.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9	1.9
145°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9	2.9
147.5°	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.9	2.9	2.9
150°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.9	2.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.9	2.9	1.9	1.9	1.0	1.0	1.9	2.9	4.8	6.8	6.8
7.5°	3.9	2.9	2.9	2.9	2.9	13.5	49.2	86.1	108.2	116.1	114.1
10°	6.8	5.8	5.8	5.8	29.1	94.8	126.7	129.6	139.3	141.2	140.3
12.5°	145.1	123.8	77.3	36.7	101.5	132.5	138.3	147.9	154.7	203.1	212.8
15°	214.7	211.9	206.1	217.7	236.0	151.9	186.7	249.5	282.4	295.0	298.9
17.5°	257.3	253.4	237.0	274.7	291.1	288.2	278.5	298.9	303.7	315.3	314.3
20°	467.2	457.5	408.2	324.1	304.7	383.1	314.3	315.3	391.7	437.1	433.3
22.5°	515.4	510.7	483.6	475.9	410.0	405.3	420.7	431.3	465.2	481.7	479.7
25°	669.3	663.5	537.8	493.3	500.1	429.4	501.9	469.0	483.6	527.1	521.2
27.5°	829.9	816.2	717.7	601.6	501.1	533.8	505.9	553.3	602.6	628.7	631.6
30°	907.2	883.1	768.0	632.5	549.3	528.0	532.0	603.5	612.3	634.5	639.2
32.5°	1198.3	1178.1	978.9	650.0	550.3	504.9	559.1	590.0	682.9	731.2	735.1
35°	1280.5	1263.1	987.4	729.3	531.0	523.3	529.1	614.1	661.6	696.4	702.2
37.5°	1369.6	1339.5	1004.0	684.7	546.6	487.6	511.7	558.1	640.3	700.3	715.7
40°	1495.3	1441.1	994.3	638.4	507.7	475.9	473.9	529.1	564.9	593.9	598.7
42.5°	1655.9	1563.0	1000.0	594.8	473.0	442.9	450.7	475.9	488.4	490.3	490.3
45°	1853.1	1714.9	1025.2	559.1	443.9	427.5	430.4	437.1	439.1	415.9	413.0
47.5°	2119.1	1910.2	1046.4	531.0	422.7	416.9	408.2	412.0	404.3	373.3	369.6
50°	2434.4	2143.3	1064.8	498.1	403.2	402.4	400.4	385.9	372.3	343.4	339.5
52.5°	2772.0	2419.0	1074.6	462.2	387.9	390.7	392.7	368.5	349.2	326.9	324.9
55°	3213.0	2740.1	1097.7	429.4	369.6	375.3	385.9	361.7	343.4	328.9	337.5
57.5°	3648.2	3096.0	1078.4	399.5	355.9	360.8	377.2	367.5	358.8	358.8	360.8
60°	4070.0	3404.5	958.5	375.3	343.4	349.2	383.9	401.4	400.4	418.8	423.6
62.5°	4353.3	3565.1	781.5	354.0	332.7	355.0	415.9	456.4	449.7	457.5	461.4
65°	4468.4	3555.4	595.8	338.4	325.9	380.1	452.7	492.3	467.2	449.7	445.9
67.5°	4346.6	3341.7	483.6	325.9	325.9	403.2	483.6	494.3	467.2	468.1	461.4
70°	3852.4	2843.6	415.9	313.3	330.7	399.5	499.1	491.3	468.1	484.6	474.8
72.5°	2891.0	2026.3	373.3	304.7	328.9	383.9	490.3	490.3	471.0	502.9	493.3
74°	2192.7	1468.2	355.0	301.8	319.1	376.3	487.6	485.5	463.3	491.3	481.7
75°	1727.4	1122.0	343.4	297.9	313.3	371.4	482.6	480.7	459.4	489.4	481.7
77.5°	883.1	586.1	316.3	291.1	298.9	364.6	470.1	471.0	443.9	472.0	466.2
80°	562.9	443.9	281.5	268.9	288.2	365.6	462.2	457.5	426.5	457.5	443.9
82.5°	448.7	366.6	228.3	233.0	274.7	359.8	457.5	435.3	404.3	450.7	404.3
85°	359.8	308.5	157.7	172.2	243.7	330.7	436.2	389.7	357.9	364.6	358.8
87.5°	303.7	249.5	74.6	112.2	190.5	253.4	324.1	301.8	277.6	289.2	276.7
90°	307.6	239.9	53.2	86.1	172.2	210.9	258.3	226.2	212.8	216.7	208.9
92.5°	298.9	229.2	54.2	71.6	168.3	231.2	272.7	231.2	204.1	196.3	189.6
95°	202.1	158.7	50.3	56.0	107.4	181.8	220.4	175.1	142.1	125.7	121.0
97.5°	77.3	69.6	43.4	46.4	56.0	96.7	127.8	112.2	76.4	55.1	52.2
100°	11.6	19.3	35.8	43.4	32.9	36.7	53.2	60.0	38.7	3.9	2.9
102.5°	12.6	10.6	14.5	32.9	19.3	7.7	16.4	32.9	21.3	1.9	1.9
105°	14.5	11.6	5.8	14.5	4.8	1.0	1.0	6.8	4.8	1.0	1.9
107.5°	12.6	10.6	3.9	2.9	1.0	1.0	0.0	0.0	0.0	1.0	1.9



REPORT NUMBER: P254633

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.8	6.8	3.9	1.9	1.0	1.0	0.0	0.0	0.0	1.9	1.9
112.5°	4.8	4.8	2.9	1.9	1.0	0.0	0.0	0.0	0.0	1.9	2.9
115°	5.8	4.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
117.5°	5.8	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	2.9	3.9
120°	5.8	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
122.5°	5.8	4.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	1.9	2.9
125°	4.8	4.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
127.5°	4.8	4.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9
130°	3.9	3.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
132.5°	2.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	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

(END OF REPORT)