

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: P266252

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266252
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 7320.8 lumens
Efficiency: N/A
Efficacy: 76.3 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 - G2

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

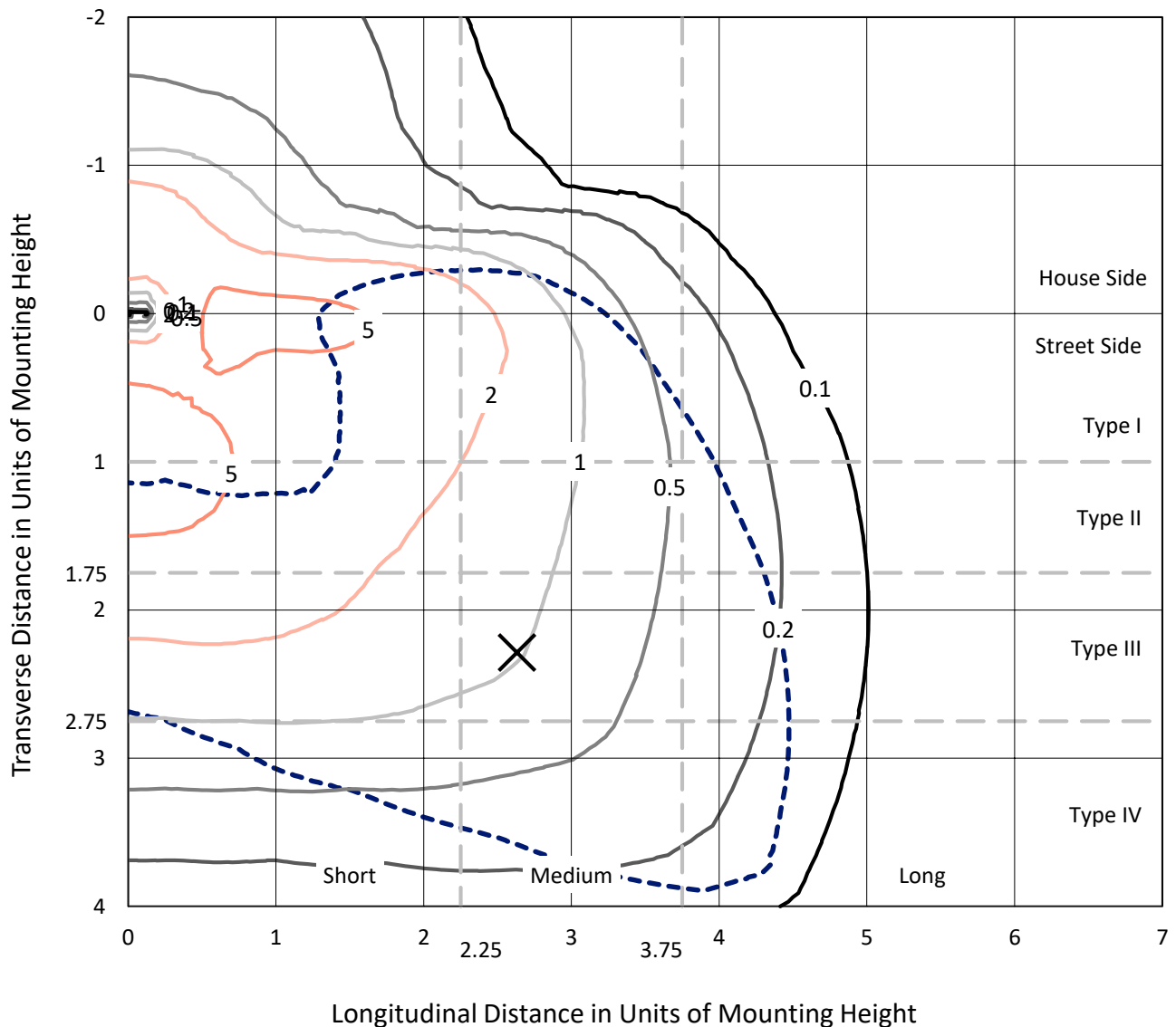


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

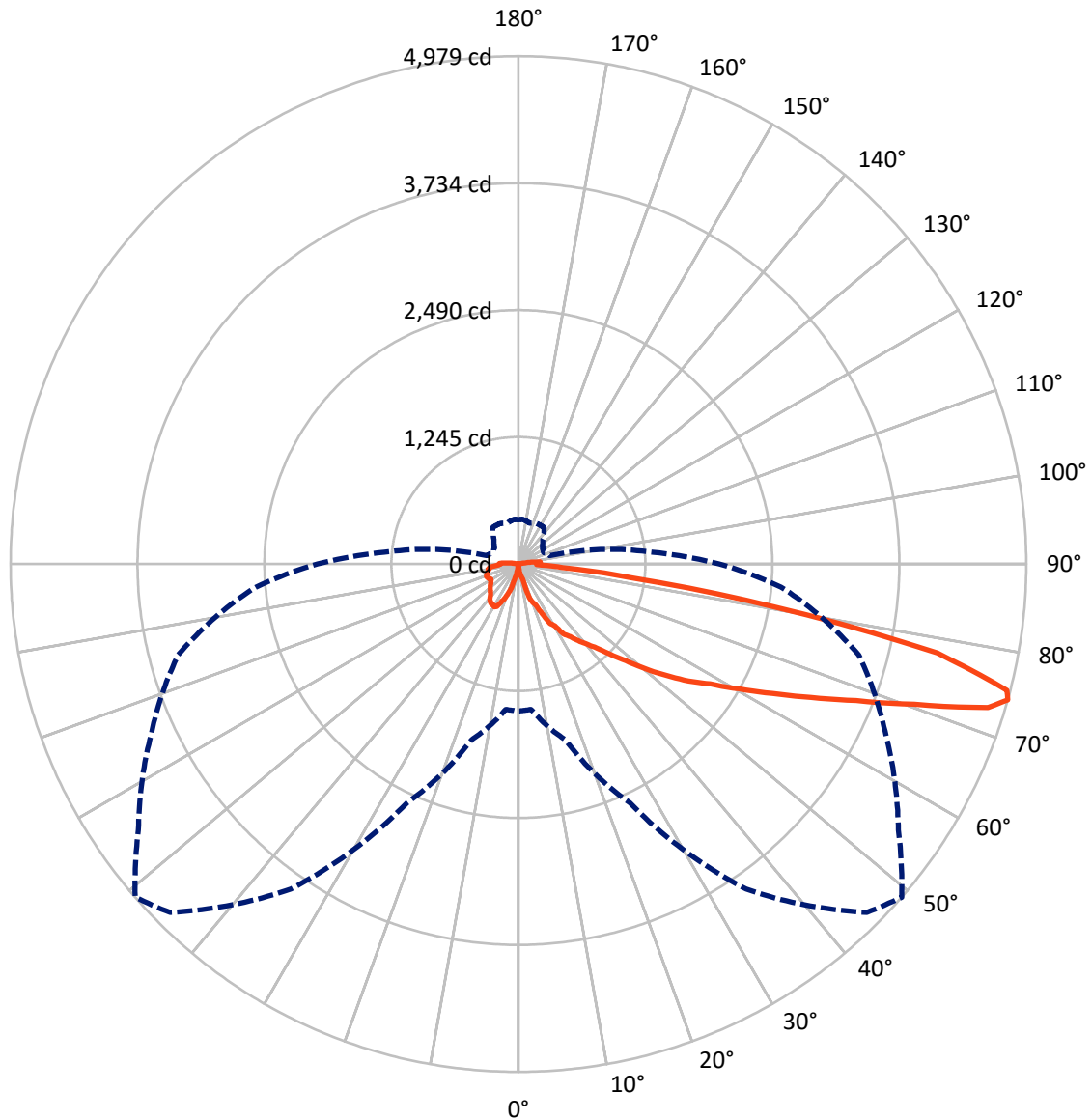


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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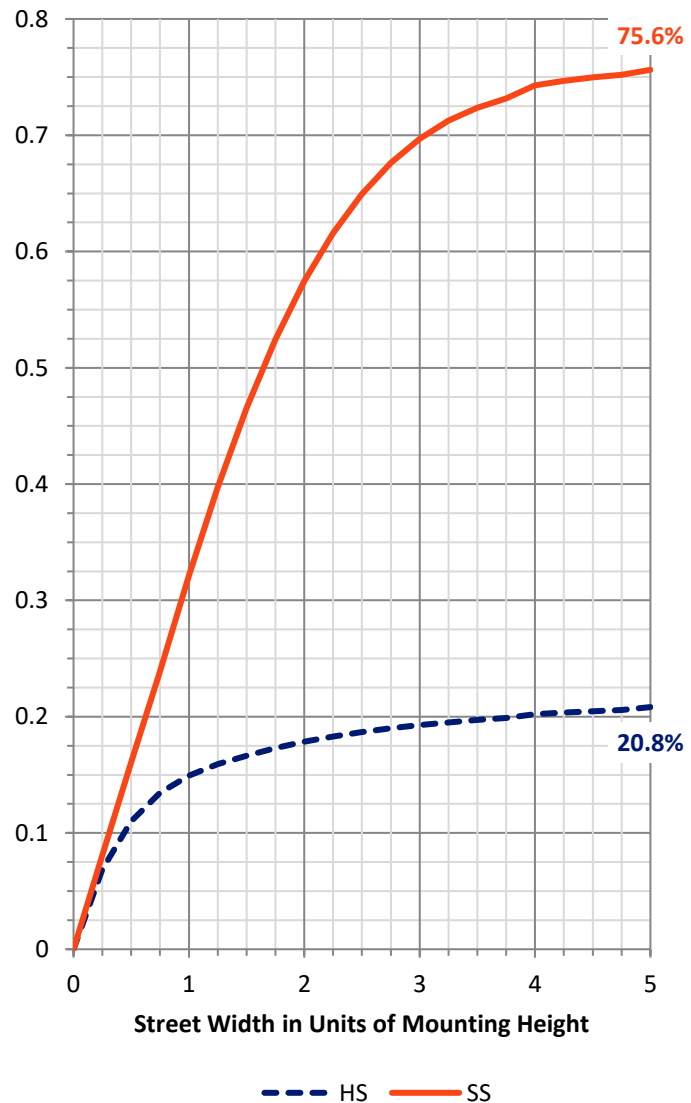
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1614.5	69.4	1683.9
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	5578.9	58.1	5637.0
	% Fixture	76.2	0.8	77.0
Total	Lumens	7193.4	127.5	7320.8
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	65.8	0.9
20°-30°	249.8	3.4
30°-40°	531.0	7.3
40°-50°	872.8	11.9
50°-60°	1407.7	19.2
60°-70°	2034.0	27.8
70°-80°	1669.9	22.8
80°-90°	358.2	4.9
90°-100°	115.3	1.6
100°-110°	9.1	0.1
110°-120°	1.3	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7193.4	98.3
0°-180°	7320.8	100.0

Coefficient of Utilization



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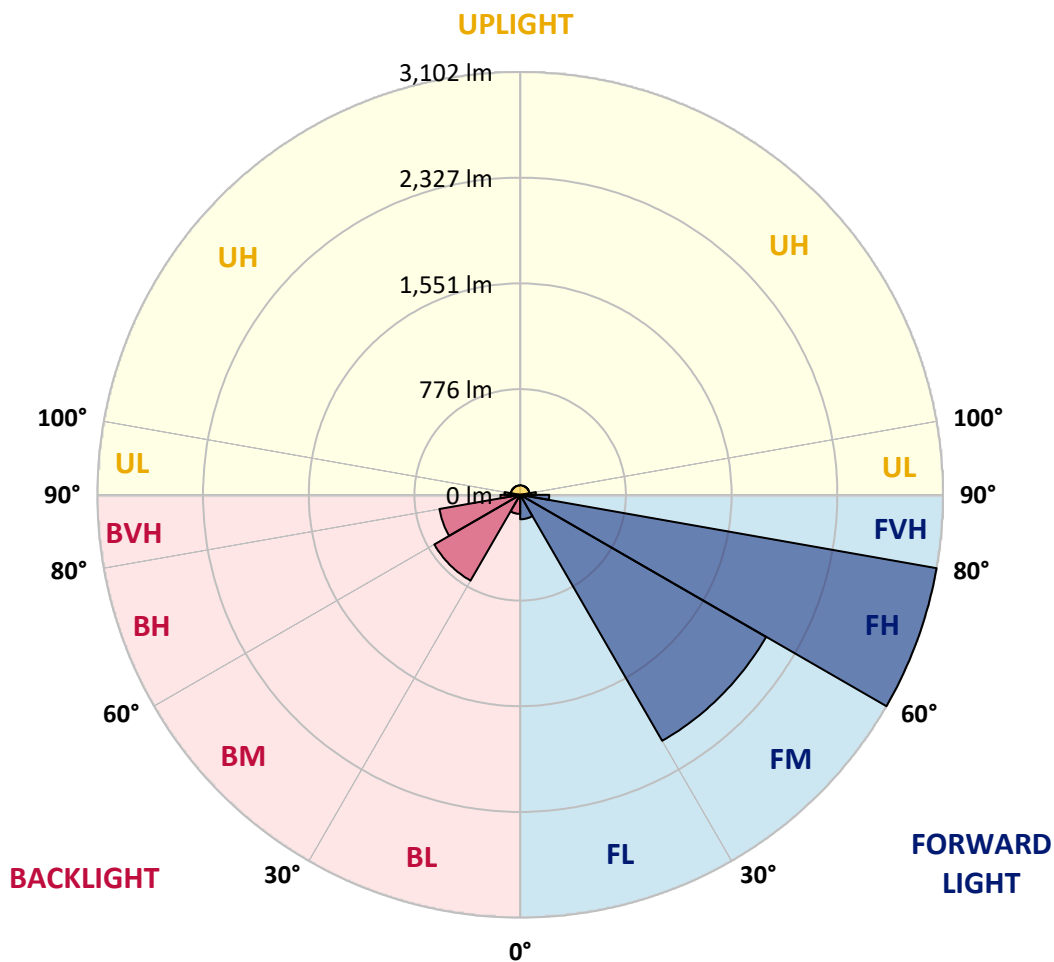
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.4	2.5			
FM (30°-60°)	2084.0	28.5			
FH (60°-80°)	3102.3	42.4			G2/5000
FVH (80°-90°)	213.2	2.9			G2/225
BL (0°-30°)	140.4	1.9	B1/500		
BM (30°-60°)	727.6	9.9	B1/1000		
BH (60°-80°)	601.6	8.2	B2/1000		G2/1000
BVH (80°-90°)	145.0	2.0			G2/225
UL (90°-100°)	115.3	1.6		U3/500	
UH (100°-180°)	69.4	0.9		U3/500	

BUG Rating: B2-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.1	5.2	4.3	3.5	3.5	2.6	2.6	2.6	3.5	3.5	3.5
5°	97.2	96.5	87.8	83.5	33.9	20.8	18.2	11.3	4.3	3.5	3.5
7.5°	115.5	113.8	111.2	116.4	108.7	94.7	86.9	50.3	14.0	4.3	3.5
10°	152.9	151.2	138.2	134.7	122.4	112.1	106.0	99.1	41.7	8.8	6.1
12.5°	289.3	279.7	271.9	230.2	155.5	126.0	125.1	117.3	98.2	88.7	107.7
15°	326.7	318.0	305.0	302.4	276.3	166.8	152.9	211.1	250.2	187.7	192.0
17.5°	370.1	374.5	357.0	320.6	298.0	318.9	351.0	310.2	274.5	228.4	232.0
20°	521.2	517.9	503.9	462.2	377.9	411.0	399.7	392.6	320.6	422.3	410.0
22.5°	541.3	540.4	533.5	508.4	543.0	438.0	434.4	483.9	477.0	485.7	468.2
25°	709.8	716.8	694.2	544.7	571.7	559.6	539.5	588.2	533.5	537.8	599.4
27.5°	743.7	740.3	728.0	697.7	604.6	662.9	657.6	623.9	692.5	729.9	734.2
30°	935.8	911.4	787.2	758.4	729.9	694.2	703.7	742.9	773.4	762.8	805.4
32.5°	1028.6	1022.6	1002.7	889.7	789.8	768.9	819.3	833.2	815.8	966.1	1040.0
35°	1338.8	1311.0	1151.2	986.1	880.1	868.8	874.1	873.2	992.2	1019.1	1120.8
37.5°	1727.3	1690.8	1564.8	1209.4	960.9	909.7	953.1	997.4	1038.4	1116.5	1194.7
40°	1954.9	1935.8	1835.0	1495.3	1120.8	989.7	1032.2	1053.9	1107.8	1172.1	1303.3
42.5°	2129.5	2127.7	2064.3	1696.9	1338.8	1116.5	1124.3	1126.8	1166.9	1271.1	1426.7
45°	2248.5	2246.8	2258.1	1886.3	1547.4	1260.7	1261.6	1230.3	1259.0	1394.4	1597.7
47.5°	2396.3	2370.2	2396.3	2086.9	1728.1	1431.9	1416.2	1343.2	1403.2	1565.7	1835.9
50°	2544.0	2519.7	2530.0	2244.2	1907.1	1640.3	1612.5	1515.3	1597.7	1781.1	2130.4
52.5°	2736.9	2705.5	2658.7	2410.2	2149.6	1857.5	1818.4	1739.4	1815.8	2052.2	2502.3
55°	2878.4	2855.9	2840.3	2645.6	2320.7	2050.4	2023.5	1934.1	2140.8	2355.4	2899.3
57.5°	2988.8	2997.6	3045.3	2934.0	2642.2	2262.4	2219.1	2181.7	2447.5	2714.3	3325.0
60°	3105.3	3088.7	3206.1	3202.5	2914.1	2475.3	2484.1	2478.9	2760.3	3056.6	3819.5
62.5°	3098.3	3111.3	3322.4	3392.8	3147.8	2759.5	2793.3	2783.8	3080.8	3397.2	4186.1
65°	2817.7	2855.9	3315.5	3476.3	3437.2	3095.6	3152.2	3144.3	3451.8	3687.4	4418.0
67.5°	2633.4	2682.1	3115.6	3544.1	3711.6	3526.7	3571.8	3543.2	3716.8	3849.0	4418.9
70°	2440.5	2474.4	2860.3	3570.9	4008.0	4088.7	4117.4	3940.1	3937.6	3941.0	4056.7
72.5°	1986.2	1990.6	2339.7	3157.4	4136.5	4697.9	4813.4	4424.2	4052.3	3768.2	3259.1
74°	1441.4	1430.1	1786.3	2583.0	3889.8	4830.7	4979.3	4547.5	3975.8	3455.4	2583.0
75°	1040.0	1069.5	1333.7	2089.5	3510.0	4794.3	4946.2	4522.2	3817.6	3138.3	2100.9
77.5°	331.0	342.3	434.4	880.1	2149.6	3928.8	4198.1	3800.3	2907.2	1982.6	1086.1
80°	177.2	185.1	232.0	345.8	901.9	2280.6	2542.3	2207.8	1614.3	996.6	594.3
82.5°	106.0	111.2	152.1	208.5	467.5	947.1	1120.8	918.3	786.2	573.5	415.2
85°	68.6	70.3	88.7	128.5	303.2	372.7	437.0	450.1	448.3	402.4	333.6
87.5°	38.3	39.0	41.7	54.7	139.0	195.6	178.1	218.1	260.7	258.9	295.5
90°	26.9	26.9	22.5	24.3	76.4	196.4	179.0	192.0	173.0	203.2	305.0
92.5°	25.2	26.1	20.8	21.6	60.8	192.9	215.5	214.7	177.2	212.9	306.7
95°	20.8	22.5	16.4	18.2	38.3	165.1	213.7	212.9	156.3	168.5	218.1
97.5°	16.4	17.3	11.3	14.0	22.5	84.4	128.5	122.4	82.6	71.2	85.2
100°	10.4	11.3	6.1	9.5	14.0	27.8	46.1	48.7	38.3	17.3	10.4
102.5°	10.4	11.3	4.3	6.1	6.1	7.8	10.4	8.8	12.1	6.1	8.8
105°	10.4	11.3	3.5	2.6	1.7	2.6	1.7	2.6	4.3	5.2	10.4
107.5°	7.8	8.8	1.7	1.7	0.9	1.7	1.7	1.7	2.6	4.3	9.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	5.2	5.2	0.9	0.9	0.0	1.7	1.7	1.7	2.6	3.5	5.2
112.5°	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	2.6	2.6	3.5
115°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6	4.3
117.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	4.3
120°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.3
122.5°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.3
125°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.3
127.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.5
130°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.5
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
142.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	1.7
145°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	1.7	1.7	2.6
147.5°	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	1.7	2.6	2.6
150°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.6	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	1.7	1.7	0.9	0.9	1.7	2.6	4.3	6.1	6.1
7.5°	3.5	2.6	2.6	2.6	2.6	12.1	44.2	77.3	97.2	104.3	102.5
10°	6.1	5.2	5.2	5.2	26.1	85.2	113.8	116.4	125.1	126.8	126.0
12.5°	130.3	111.2	69.4	33.0	91.2	119.0	124.2	132.9	139.0	182.4	191.2
15°	192.9	190.4	185.1	195.6	212.0	136.5	167.7	224.1	253.7	265.0	268.5
17.5°	231.1	227.6	212.9	246.8	261.5	258.9	250.2	268.5	272.8	283.2	282.3
20°	419.7	411.0	366.7	291.1	273.7	344.1	282.3	283.2	351.9	392.6	389.2
22.5°	463.0	458.8	434.4	427.5	368.3	364.1	377.9	387.4	417.9	432.7	430.9
25°	601.2	596.0	483.1	443.1	449.2	385.7	450.9	421.3	434.4	473.5	468.2
27.5°	745.5	733.2	644.7	540.4	450.1	479.5	454.5	497.0	541.3	564.8	567.4
30°	814.9	793.3	689.9	568.2	493.4	474.3	477.9	542.1	550.0	570.0	574.2
32.5°	1076.4	1058.3	879.4	583.9	494.3	453.6	502.2	530.0	613.5	656.8	660.3
35°	1150.3	1134.6	887.0	655.1	477.0	470.1	475.3	551.6	594.3	625.6	630.8
37.5°	1230.3	1203.3	901.9	615.1	491.0	438.0	459.7	501.3	575.2	629.1	642.9
40°	1343.2	1294.5	893.2	573.5	456.1	427.5	425.7	475.3	507.5	533.5	537.8
42.5°	1487.5	1404.1	898.3	534.3	424.9	397.9	404.9	427.5	438.7	440.4	440.4
45°	1664.6	1540.5	920.9	502.2	398.8	384.0	386.6	392.6	394.4	373.6	371.0
47.5°	1903.6	1715.9	940.0	477.0	379.7	374.5	366.7	370.1	363.2	335.3	332.0
50°	2186.8	1925.3	956.5	447.4	362.2	361.5	359.7	346.7	334.4	308.5	305.0
52.5°	2490.1	2173.0	965.3	415.2	348.5	351.0	352.8	331.0	313.7	293.7	291.9
55°	2886.3	2461.4	986.1	385.7	332.0	337.1	346.7	324.9	308.5	295.5	303.2
57.5°	3277.2	2781.2	968.7	358.9	319.7	324.1	338.8	330.1	322.3	322.3	324.1
60°	3656.1	3058.3	861.0	337.1	308.5	313.7	344.9	360.6	359.7	376.2	380.5
62.5°	3910.6	3202.5	702.0	318.0	298.9	318.9	373.6	410.0	404.0	411.0	414.5
65°	4014.0	3193.8	535.2	304.0	292.8	341.4	406.7	442.2	419.7	404.0	400.6
67.5°	3904.6	3001.9	434.4	292.8	292.8	362.2	434.4	444.0	419.7	420.5	414.5
70°	3460.6	2554.4	373.6	281.4	297.1	358.9	448.3	441.3	420.5	435.3	426.5
72.5°	2597.0	1820.2	335.3	273.7	295.5	344.9	440.4	440.4	423.1	451.8	443.1
74°	1969.7	1318.9	318.9	271.1	286.6	338.0	438.0	436.1	416.2	441.3	432.7
75°	1551.7	1007.9	308.5	267.6	281.4	333.6	433.5	431.8	412.7	439.6	432.7
77.5°	793.3	526.5	284.1	261.5	268.5	327.5	422.3	423.1	398.8	424.0	418.8
80°	505.7	398.8	252.9	241.6	258.9	328.4	415.2	411.0	383.1	411.0	398.8
82.5°	403.1	329.3	205.1	209.3	246.8	323.2	411.0	391.0	363.2	404.9	363.2
85°	323.2	277.1	141.7	154.7	218.9	297.1	391.8	350.1	321.5	327.5	322.3
87.5°	272.8	224.1	67.0	100.8	171.1	227.6	291.1	271.1	249.4	259.8	248.6
90°	276.3	215.5	47.8	77.3	154.7	189.5	232.0	203.2	191.2	194.7	187.7
92.5°	268.5	205.9	48.7	64.3	151.2	207.7	245.0	207.7	183.3	176.3	170.3
95°	181.5	142.6	45.2	50.3	96.5	163.3	198.0	157.3	127.6	112.9	108.7
97.5°	69.4	62.5	39.0	41.7	50.3	86.9	114.8	100.8	68.6	49.5	46.9
100°	10.4	17.3	32.2	39.0	29.6	33.0	47.8	53.9	34.8	3.5	2.6
102.5°	11.3	9.5	13.0	29.6	17.3	6.9	14.7	29.6	19.1	1.7	1.7
105°	13.0	10.4	5.2	13.0	4.3	0.9	0.9	6.1	4.3	0.9	1.7
107.5°	11.3	9.5	3.5	2.6	0.9	0.9	0.0	0.0	0.0	0.9	1.7



REPORT NUMBER: P266252

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-T4W-CL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.1	6.1	3.5	1.7	0.9	0.9	0.0	0.0	0.0	1.7	1.7
112.5°	4.3	4.3	2.6	1.7	0.9	0.0	0.0	0.0	0.0	1.7	2.6
115°	5.2	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0	2.6	2.6
117.5°	5.2	5.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0	2.6	3.5
120°	5.2	5.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0	2.6	2.6
122.5°	5.2	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0	1.7	2.6
125°	4.3	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0	1.7	1.7
127.5°	4.3	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.7
130°	3.5	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
132.5°	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	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)