

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: P416554

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 6564 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 74
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

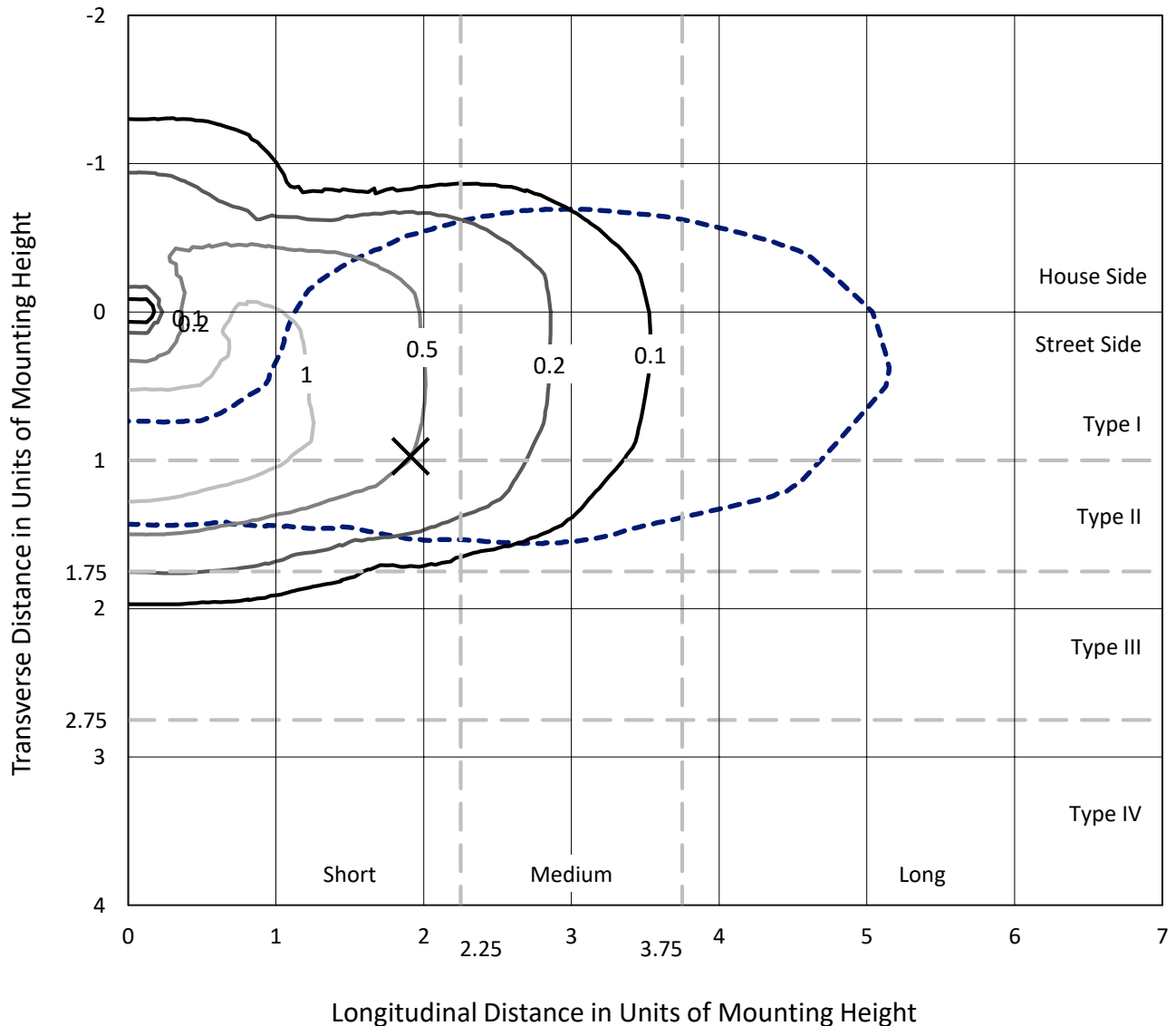


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

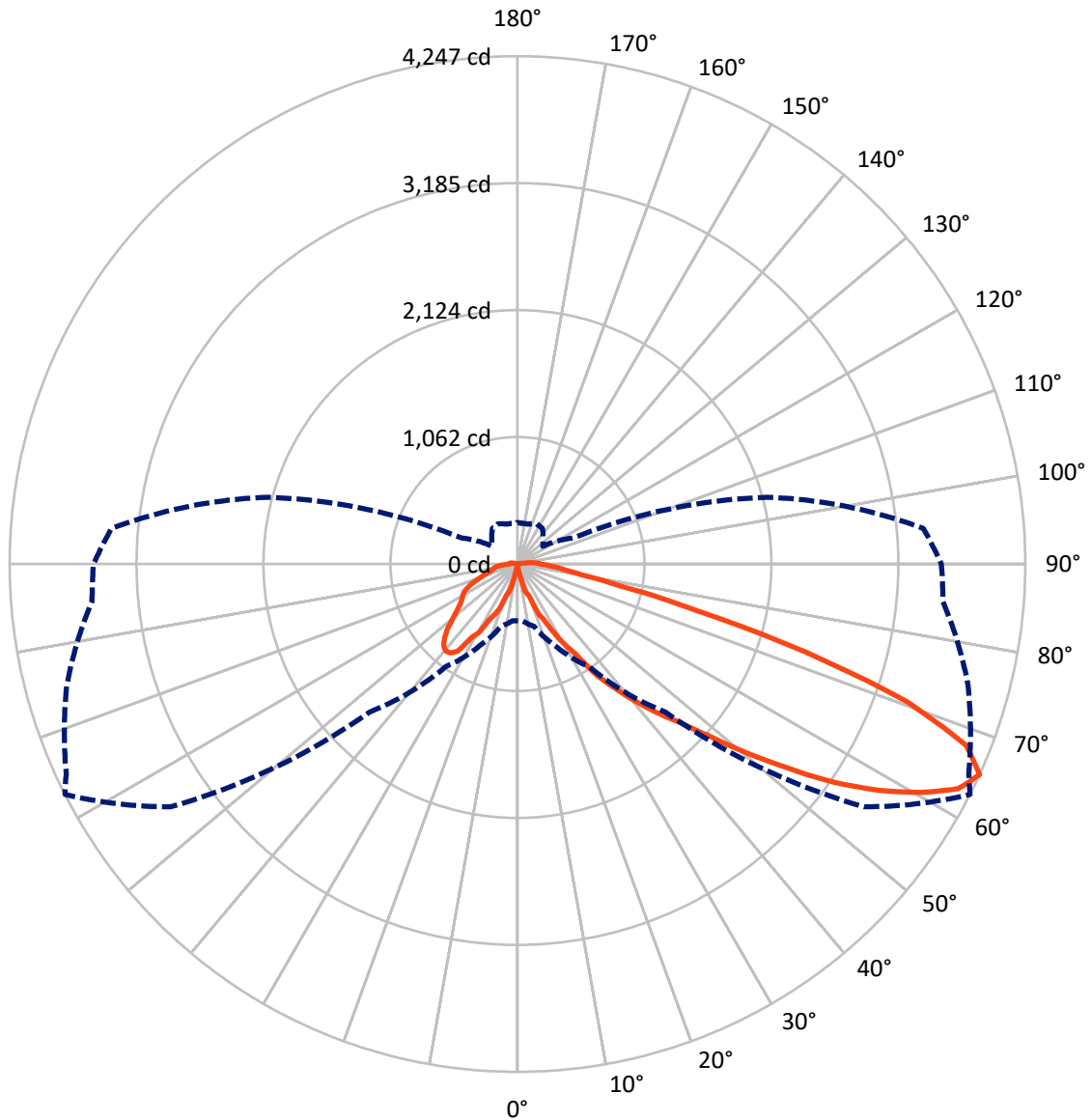


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1868.0	54.2	1922.3
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	4591.2	50.5	4641.7
	% Fixture	69.9	0.8	70.7
Total	Lumens	6459.3	104.7	6564.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	59.0	0.9
20°-30°	241.2	3.7
30°-40°	626.6	9.5
40°-50°	1191.5	18.2
50°-60°	1603.9	24.4
60°-70°	1519.4	23.1
70°-80°	952.2	14.5
80°-90°	261.4	4.0
90°-100°	73.2	1.1
100°-110°	13.6	0.2
110°-120°	6.6	0.1
120°-130°	4.8	0.1
130°-140°	3.1	0.0
140°-150°	2.5	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6459.3	98.4
0°-180°	6564.0	100.0



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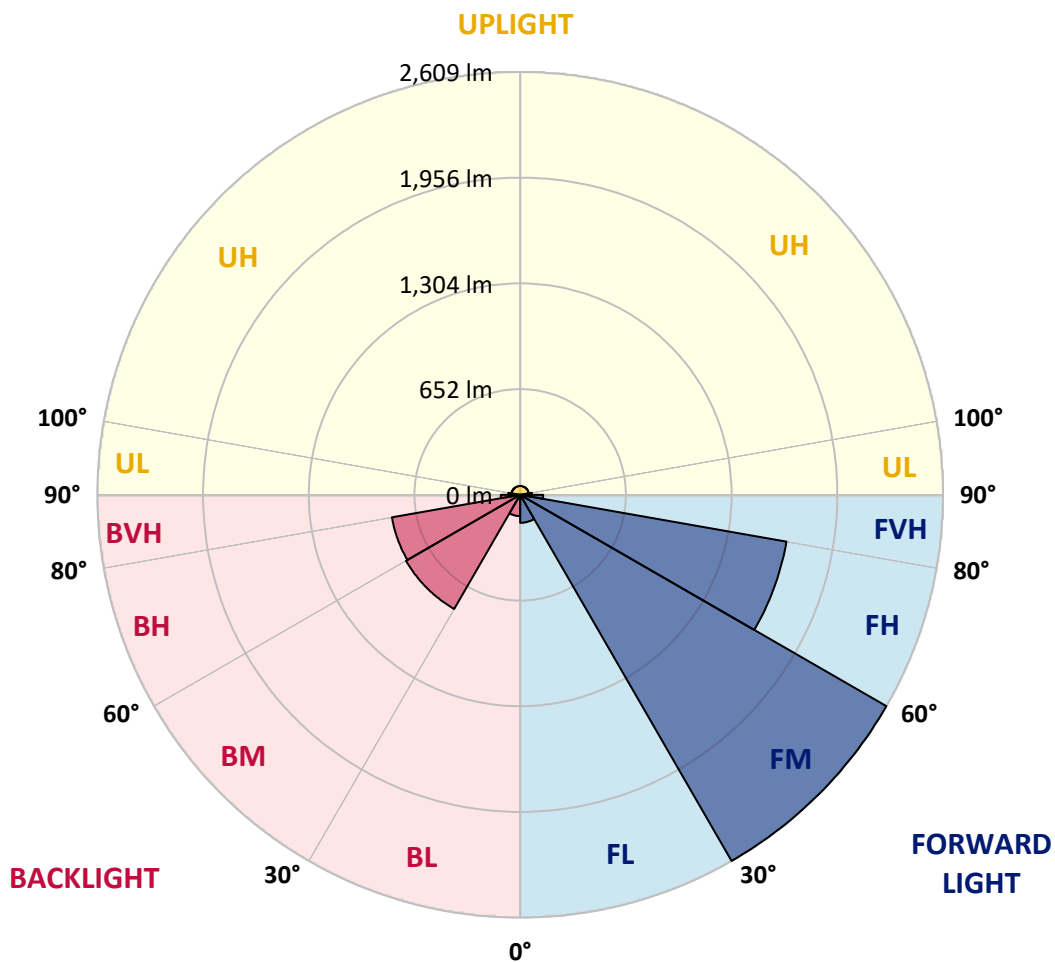
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.7	2.6			
FM (30°-60°)	2608.6	39.7			
FH (60°-80°)	1668.1	25.4			G1/1800
FVH (80°-90°)	141.8	2.2			G2/225
BL (0°-30°)	131.6	2.0	B1/500		
BM (30°-60°)	813.3	12.4	B1/1000		
BH (60°-80°)	803.5	12.2	B2/1000		G2/1000
BVH (80°-90°)	119.6	1.8			G2/225
UL (90°-100°)	73.2	1.1		U3/500	
UH (100°-180°)	54.2	0.8		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	8.7	8.0	8.7	8.7	8.0	7.3	6.5	5.8	5.1	3.6	2.9
5°	102.5	103.2	101.8	99.6	35.6	16.0	9.5	7.3	6.5	4.4	3.6
7.5°	117.8	117.0	116.3	114.9	109.8	103.2	56.0	13.1	10.2	5.8	3.6
10°	129.4	127.9	124.3	123.6	118.5	114.9	106.1	68.3	57.4	10.2	7.3
12.5°	235.5	230.5	226.1	186.8	130.9	123.6	118.5	103.2	101.1	64.7	96.7
15°	246.4	247.2	244.3	239.9	229.7	154.1	191.9	232.6	231.9	200.6	197.7
17.5°	279.9	277.7	266.8	255.9	252.3	274.1	271.9	259.5	259.5	229.7	217.4
20°	432.6	428.9	422.4	351.9	313.3	354.0	332.2	289.3	290.8	354.8	385.3
22.5°	500.9	499.4	486.4	455.1	443.5	390.4	437.6	452.9	444.2	449.3	430.4
25°	685.5	678.3	620.8	565.6	572.1	527.1	526.3	516.9	511.8	489.3	523.4
27.5°	872.4	866.6	853.5	775.7	660.8	635.4	594.7	649.2	634.7	687.0	698.6
30°	1155.9	1102.8	992.3	940.0	902.2	780.8	769.2	785.9	781.5	767.0	753.9
32.5°	1451.1	1429.3	1364.6	1173.4	1053.4	983.6	949.4	897.8	873.8	1030.1	1041.0
35°	1759.3	1739.0	1580.5	1469.2	1263.5	1150.1	1131.2	1138.5	1106.5	1182.8	1164.6
37.5°	2301.6	2291.5	2132.3	1786.9	1571.7	1350.0	1323.8	1315.1	1265.0	1320.2	1320.9
40°	2649.9	2633.1	2457.2	2202.8	1856.0	1671.3	1544.1	1494.0	1480.9	1483.8	1484.5
42.5°	2908.7	2881.8	2779.3	2545.2	2183.1	1966.5	1786.9	1690.2	1716.4	1665.5	1662.6
45°	3076.6	3062.1	2969.0	2773.5	2522.6	2415.1	2097.4	1879.3	1967.2	1876.4	1872.0
47.5°	3114.4	3107.9	3043.2	2945.0	2840.3	2795.3	2471.8	2138.1	2218.8	2178.8	2097.4
50°	2950.1	2955.9	2931.9	2967.6	3081.7	3133.3	2866.5	2481.2	2525.6	2430.3	2326.4
52.5°	2591.0	2590.3	2677.5	2835.2	3170.4	3376.9	3232.2	2838.2	2836.0	2663.7	2545.9
55°	2079.9	2119.2	2266.7	2511.7	3049.0	3488.8	3579.0	3230.7	3169.7	2936.3	2741.5
57.5°	1584.8	1635.7	1816.7	2039.2	2703.7	3409.6	3831.2	3571.7	3508.4	3182.0	2948.7
60°	1072.3	1091.9	1320.2	1577.6	2150.4	3105.0	3949.7	3879.2	3809.4	3432.8	3158.0
62.5°	714.6	732.1	862.9	1176.3	1541.9	2523.4	3873.4	4138.7	4046.4	3729.4	3376.9
65°	475.4	475.4	540.2	756.8	1049.0	1752.0	3539.0	4247.1	4163.5	3901.0	3571.0
67.5°	350.4	356.2	377.3	487.8	714.6	1048.3	2814.9	4047.1	4055.9	3920.6	3632.8
70°	317.7	321.3	339.5	367.9	510.3	623.8	1860.4	3467.0	3617.5	3772.3	3553.5
72.5°	277.7	279.2	308.2	338.8	402.0	478.4	1081.8	2519.7	2836.0	3449.6	3335.4
75°	232.6	234.8	258.1	303.9	347.5	401.3	575.8	1533.9	1848.7	2961.7	3046.8
77.5°	189.0	194.1	213.0	248.6	319.1	336.6	442.0	876.7	1070.9	2205.7	2575.7
80°	145.4	150.5	167.2	195.6	261.0	297.3	367.1	539.4	649.2	1371.1	1800.0
82.5°	99.6	103.2	120.0	141.0	186.8	247.9	303.9	397.7	429.6	750.3	993.1
85°	70.5	72.7	83.6	93.1	116.3	162.8	253.7	315.5	324.2	397.7	404.2
87.5°	40.0	39.3	40.7	47.3	53.1	63.2	149.8	231.2	242.1	277.0	257.4
90°	27.6	26.9	22.5	21.8	24.7	26.9	85.1	183.9	193.4	223.2	229.0
92.5°	29.1	27.6	21.8	20.4	23.3	24.7	56.7	160.7	181.0	223.2	235.5
95°	27.6	26.2	19.6	17.4	21.1	21.8	34.9	110.5	142.5	208.6	230.5
97.5°	24.0	22.5	16.0	14.5	17.4	17.4	19.6	50.9	69.8	97.4	109.8
100°	19.6	18.2	13.1	11.6	12.4	13.1	12.4	25.4	25.4	26.9	21.1
102.5°	17.4	16.7	10.9	9.5	8.7	8.7	8.0	12.4	13.1	14.5	18.2
105°	15.3	14.5	9.5	8.0	6.5	6.5	5.8	8.0	8.7	12.4	17.4
107.5°	10.9	10.9	8.0	6.5	5.8	5.8	4.4	6.5	7.3	10.9	18.2
110°	7.3	7.3	5.8	5.8	5.1	5.8	4.4	6.5	6.5	8.7	13.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.8	5.8	5.1	4.4	3.6	4.4	5.1	5.8	5.8	6.5	8.7
115°	5.8	5.1	4.4	3.6	2.9	3.6	3.6	5.1	5.1	6.5	8.7
117.5°	5.8	5.8	4.4	3.6	2.9	2.9	3.6	4.4	4.4	6.5	9.5
120°	5.8	5.8	4.4	3.6	2.9	2.2	2.9	4.4	4.4	5.8	8.7
122.5°	5.8	5.8	4.4	3.6	2.9	2.2	2.9	3.6	3.6	5.1	8.7
125°	6.5	6.5	5.1	3.6	2.9	2.2	2.9	2.9	2.9	5.1	8.0
127.5°	6.5	6.5	5.1	3.6	2.9	2.2	2.9	2.9	2.9	4.4	6.5
130°	6.5	6.5	5.1	3.6	2.9	2.2	2.9	2.2	2.2	3.6	5.8
132.5°	6.5	5.8	5.1	4.4	3.6	2.9	2.9	2.2	2.2	2.2	4.4
135°	5.8	5.8	5.1	4.4	3.6	2.9	2.9	2.2	2.2	2.2	2.9
137.5°	5.8	5.8	5.8	5.1	4.4	3.6	2.9	2.2	2.2	2.2	2.2
140°	6.5	6.5	6.5	5.8	4.4	3.6	2.9	2.2	2.2	2.2	2.2
142.5°	7.3	7.3	7.3	6.5	4.4	3.6	3.6	2.2	2.2	2.2	2.2
145°	8.0	8.0	8.0	6.5	4.4	3.6	3.6	2.9	2.9	2.2	2.9
147.5°	8.7	8.7	8.0	6.5	3.6	2.9	2.9	2.9	2.9	2.9	2.9
150°	8.0	7.3	7.3	5.1	2.9	1.5	2.2	2.2	2.2	2.9	2.9
152.5°	5.8	5.8	5.1	3.6	2.2	0.7	1.5	1.5	2.2	2.2	2.2
155°	3.6	3.6	2.9	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	2.9	2.9	3.6	4.4	4.4	5.1	5.1	5.1	5.1	5.1	5.1
5°	2.9	2.9	3.6	4.4	5.1	5.8	6.5	6.5	6.5	7.3	7.3
7.5°	3.6	3.6	3.6	5.1	5.8	8.0	21.8	65.4	101.1	104.0	105.4
10°	7.3	7.3	7.3	7.3	16.0	93.1	115.6	120.7	123.6	125.8	125.8
12.5°	97.4	96.7	34.9	17.4	80.0	120.7	127.9	131.6	134.5	136.7	137.4
15°	197.7	198.5	198.5	200.6	145.4	131.6	138.9	205.0	242.8	250.1	253.0
17.5°	216.6	216.6	215.9	240.6	270.4	213.7	238.5	260.3	267.5	271.2	272.6
20°	395.5	394.8	318.4	276.3	285.7	354.8	266.8	277.0	282.8	337.3	338.8
22.5°	436.2	434.0	424.6	426.7	336.6	383.8	365.7	354.8	388.9	387.5	388.9
25°	535.8	483.4	463.1	458.7	487.8	399.1	423.8	367.1	375.9	374.4	375.9
27.5°	701.5	682.6	635.4	537.2	519.8	492.9	424.6	385.3	433.3	444.2	445.6
30°	752.4	728.4	678.3	682.6	579.4	501.6	413.7	426.7	410.0	408.6	405.7
32.5°	1031.6	1000.3	924.7	744.4	645.6	471.1	415.8	388.2	396.9	426.0	427.5
35°	1149.4	1113.7	1060.7	950.2	625.9	462.4	380.2	378.8	384.6	385.3	383.8
37.5°	1283.1	1236.6	1186.4	1001.1	653.6	418.7	354.8	355.5	368.6	394.0	391.1
40°	1438.7	1387.1	1305.7	1030.9	586.7	392.6	338.0	349.0	362.8	357.0	351.9
42.5°	1613.9	1529.6	1401.6	1025.1	510.3	362.0	333.7	341.0	338.8	327.9	325.0
45°	1794.9	1705.5	1495.4	976.3	441.3	342.4	325.7	327.9	319.1	305.3	302.4
47.5°	2003.6	1885.8	1548.5	905.1	386.0	341.0	323.5	316.2	299.5	287.2	286.4
50°	2213.7	2085.0	1631.4	809.9	344.6	335.1	328.6	313.3	293.0	280.6	279.2
52.5°	2419.4	2306.7	1720.8	729.9	313.3	328.6	330.8	314.8	293.0	274.8	274.1
55°	2625.9	2527.0	1817.5	666.6	292.2	327.9	338.8	319.1	297.3	270.4	269.7
57.5°	2833.1	2737.1	1910.5	624.5	282.8	318.4	343.9	333.0	309.0	286.4	287.9
60°	3078.8	2965.4	2020.3	594.7	279.2	313.3	348.2	349.0	316.2	290.8	294.4
62.5°	3320.1	3205.3	2113.4	567.0	269.7	308.2	350.4	361.3	332.2	310.4	314.1
65°	3544.8	3408.1	2156.2	514.0	258.1	302.4	363.5	372.2	344.6	342.4	346.8
67.5°	3630.6	3503.4	2114.1	447.8	250.8	302.4	377.3	387.5	357.7	369.3	380.9
70°	3547.7	3441.6	2007.9	364.9	253.0	304.6	379.5	394.8	376.6	386.0	396.2
72.5°	3290.3	3155.1	1749.9	293.7	253.0	301.7	370.0	383.1	369.3	400.6	410.7
75°	2965.4	2729.8	1392.9	242.1	245.7	300.2	348.2	363.5	349.7	382.4	393.3
77.5°	2449.2	2147.5	963.3	213.7	235.5	287.2	325.7	328.6	314.8	334.4	339.5
80°	1727.3	1447.4	609.9	193.4	225.4	259.5	288.6	283.5	269.7	273.3	277.7
82.5°	963.3	765.5	355.5	178.1	211.6	215.9	236.3	237.7	219.6	220.3	221.0
85°	382.4	354.0	240.6	149.8	170.8	155.6	176.7	183.9	166.5	146.1	141.8
87.5°	253.7	240.6	167.9	102.5	104.7	88.0	114.9	119.2	98.1	85.1	84.3
90°	241.4	234.1	144.7	69.1	58.2	48.0	64.0	61.8	47.3	41.4	42.2
92.5°	248.6	244.3	146.9	66.2	56.7	45.8	56.7	48.7	35.6	31.3	32.0
95°	245.0	242.8	143.2	64.7	53.8	42.2	48.0	39.3	27.6	24.7	24.7
97.5°	116.3	122.9	88.7	58.2	48.0	35.6	37.1	29.8	19.6	18.2	17.4
100°	17.4	27.6	48.0	53.8	35.6	24.7	24.0	19.6	12.4	11.6	11.6
102.5°	18.2	19.6	29.8	37.1	19.6	13.1	13.1	11.6	9.5	10.9	10.9
105°	19.6	18.2	17.4	20.4	11.6	8.0	7.3	7.3	8.0	11.6	12.4
107.5°	21.1	19.6	13.8	10.9	8.7	7.3	5.8	5.1	7.3	12.4	13.1
110°	16.0	15.3	11.6	8.7	8.7	8.0	5.1	5.1	8.0	13.1	14.5



REPORT NUMBER: P416554

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.5	10.9	10.2	8.0	7.3	7.3	5.1	5.1	8.0	13.8	15.3
115°	10.2	10.2	8.7	6.5	5.8	5.8	5.1	4.4	8.0	14.5	15.3
117.5°	10.2	10.2	8.7	6.5	5.1	4.4	4.4	4.4	8.0	14.5	15.3
120°	10.2	10.2	8.7	5.8	5.1	4.4	4.4	4.4	8.0	13.8	15.3
122.5°	9.5	9.5	8.0	5.8	4.4	4.4	4.4	4.4	8.0	13.1	13.8
125°	8.7	8.7	7.3	5.1	4.4	3.6	4.4	4.4	7.3	11.6	12.4
127.5°	7.3	8.0	6.5	5.1	4.4	3.6	4.4	4.4	6.5	10.2	10.9
130°	6.5	6.5	5.8	4.4	3.6	3.6	4.4	4.4	6.5	9.5	10.2
132.5°	5.1	5.1	4.4	4.4	3.6	3.6	3.6	3.6	5.1	8.0	8.0
135°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.4	5.8	6.5
137.5°	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.1	5.1
140°	2.2	2.9	2.9	3.6	3.6	3.6	3.6	3.6	3.6	4.4	4.4
142.5°	2.2	2.9	2.9	3.6	3.6	3.6	3.6	3.6	4.4	5.1	5.1
145°	2.9	2.9	3.6	3.6	3.6	2.9	3.6	3.6	4.4	5.1	5.1
147.5°	2.9	2.9	3.6	3.6	3.6	2.9	2.9	3.6	4.4	5.1	5.1
150°	2.9	2.9	3.6	3.6	2.9	2.2	2.9	2.9	3.6	5.1	5.1
152.5°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.2	2.9	3.6	3.6
155°	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.9
157.5°	1.5	1.5	1.5	2.2	1.5	1.5	0.7	0.7	0.7	1.5	1.5
160°	0.7	0.7	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7
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)