

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: P417373

Luminaire Tested: **LXF.LXT-PA1-90-830-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7287 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

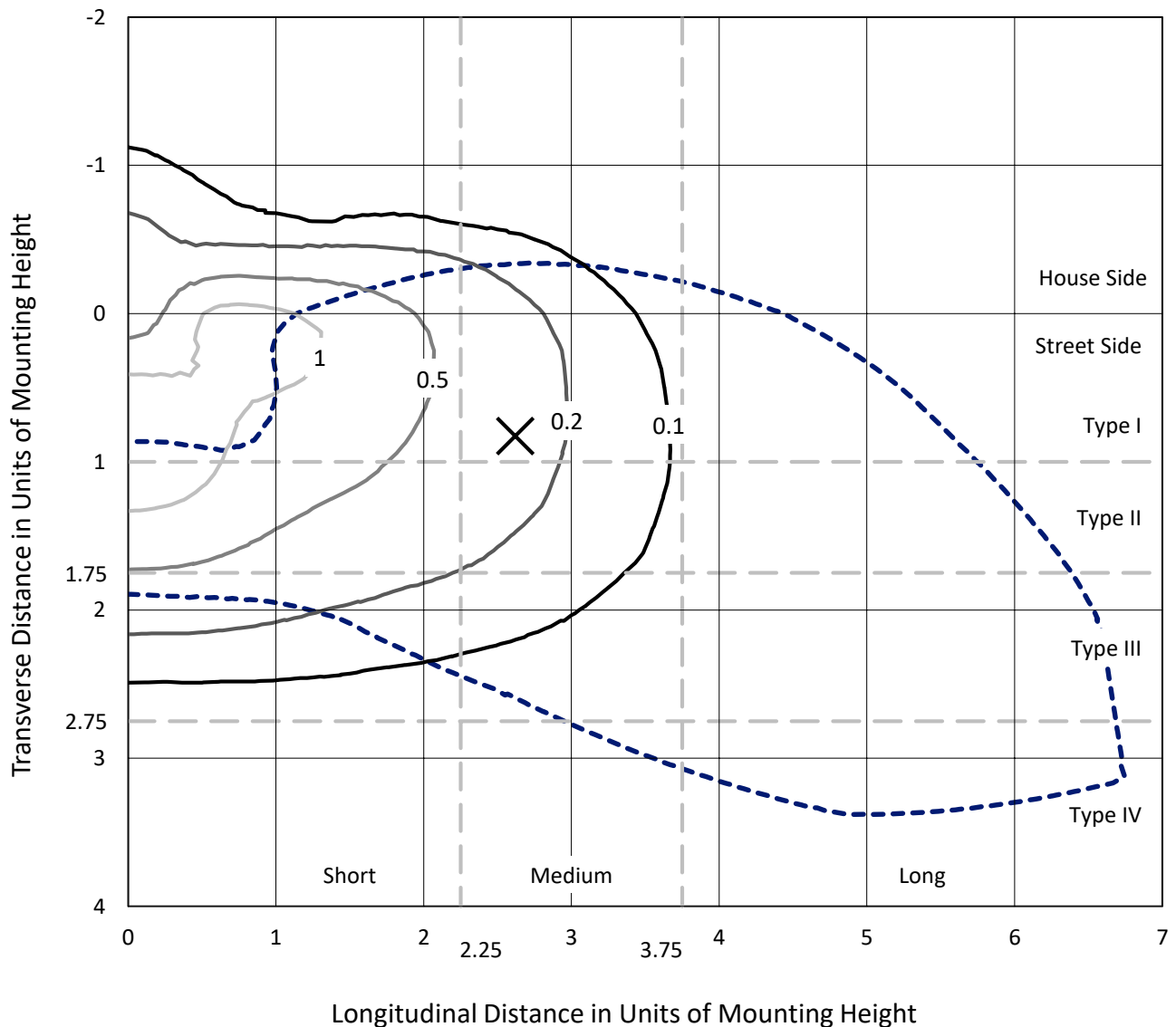
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

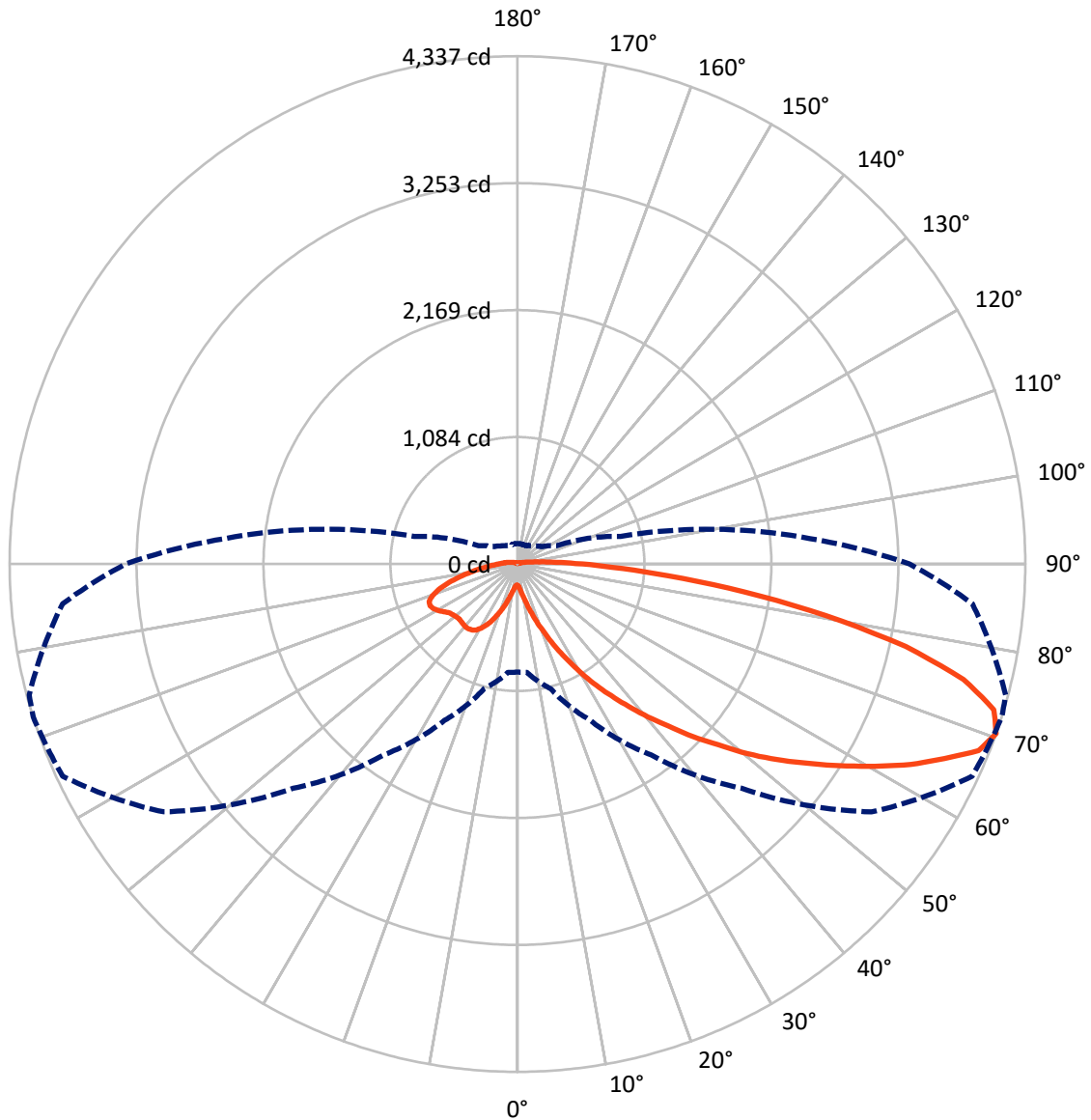
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1310.0	118.8	1428.8
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5721.0	137.2	5858.2
	% Fixture	78.5	1.9	80.4
Total	Lumens	7031.0	256.1	7287.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	98.6	1.4
20°-30°	275.3	3.8
30°-40°	570.7	7.8
40°-50°	985.8	13.5
50°-60°	1455.8	20.0
60°-70°	1718.3	23.6
70°-80°	1363.7	18.7
80°-90°	542.2	7.4
90°-100°	143.3	2.0
100°-110°	55.3	0.8
110°-120°	26.9	0.4
120°-130°	15.3	0.2
130°-140°	9.0	0.1
140°-150°	4.2	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7031.0	96.5
0°-180°	7287.0	100.0

Coefficient of Utilization



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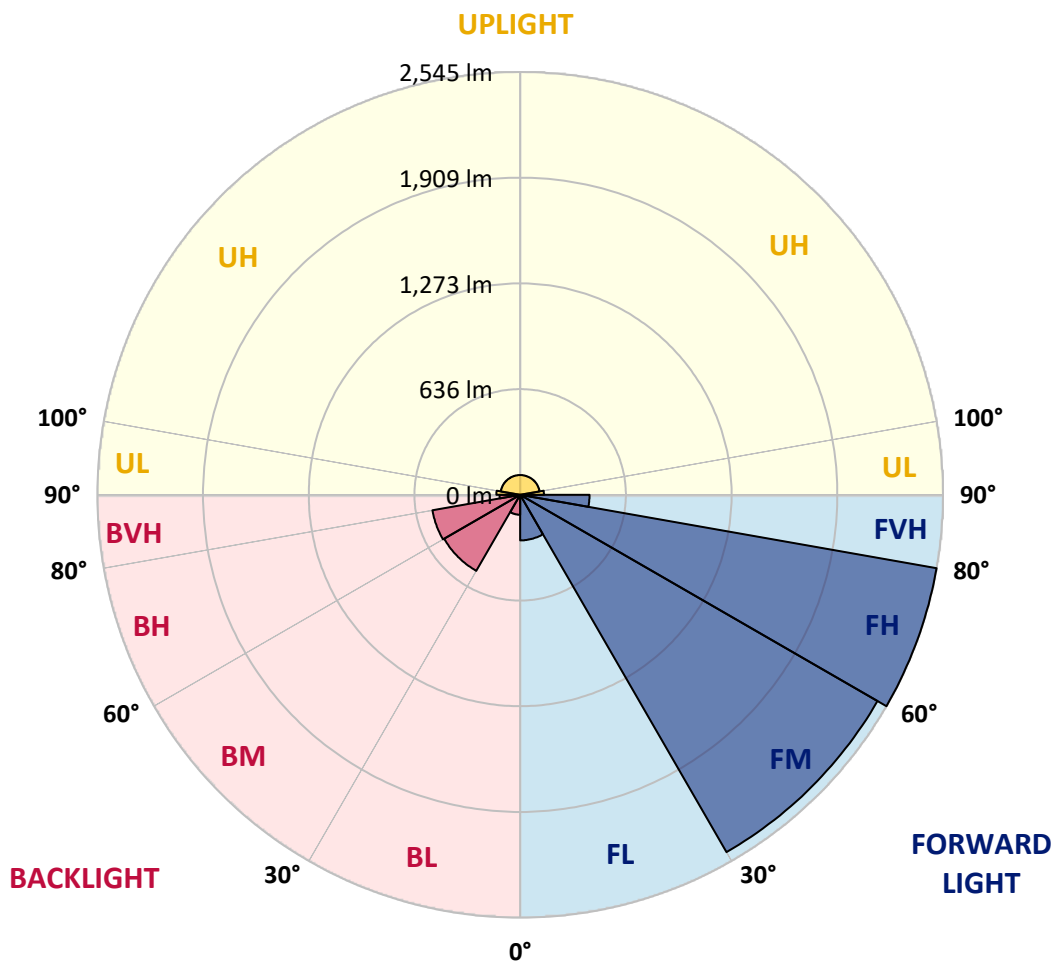
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.3	3.8			
FM	(30°-60°)	2483.7	34.1			
FH	(60°-80°)	2545.5	34.9			G2/5000
FVH	(80°-90°)	417.5	5.7			G3/500
BL	(0°-30°)	120.2	1.6	B1/500		
BM	(30°-60°)	528.6	7.3	B1/1000		
BH	(60°-80°)	536.5	7.4	B2/1000		G2/1000
BVH	(80°-90°)	124.7	1.7			G2/225
UL	(90°-100°)	143.3	2.0		U3/500	
UH	(100°-180°)	118.8	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5
2.5°	204.8	205.6	204.8	204.8	203.1	202.2	197.1	193.6	191.1	189.4	186.8
5°	237.3	239.0	238.2	238.2	233.9	231.3	225.3	218.5	213.3	212.5	204.8
7.5°	281.0	280.2	276.7	275.9	274.2	269.9	261.3	251.0	245.9	244.2	233.1
10°	335.0	330.7	332.4	326.4	323.0	316.2	308.5	300.7	290.5	290.5	275.0
12.5°	389.0	398.4	395.8	387.3	380.4	369.3	359.9	357.3	345.3	347.0	332.4
15°	477.2	476.4	468.7	462.7	449.0	435.3	426.7	420.7	417.3	414.7	398.4
17.5°	570.6	565.5	559.5	541.5	521.8	509.8	502.1	496.1	500.4	499.5	479.8
20°	678.6	672.6	664.0	631.5	605.8	586.9	582.6	589.5	592.1	598.9	579.2
22.5°	798.5	796.0	775.4	738.6	694.9	670.0	665.7	682.0	701.7	705.2	691.4
25°	942.5	939.1	910.8	857.7	800.3	762.6	762.6	788.3	820.8	828.5	821.7
27.5°	1096.7	1088.1	1051.3	986.2	907.4	858.5	852.5	898.8	944.2	966.5	957.9
30°	1274.1	1272.4	1211.5	1131.8	1037.6	959.6	957.1	1024.7	1089.0	1099.3	1101.0
32.5°	1456.6	1471.1	1400.9	1281.8	1167.8	1076.2	1071.9	1148.1	1237.2	1255.2	1255.2
35°	1667.4	1668.2	1581.7	1463.4	1307.5	1203.0	1191.0	1281.8	1381.2	1406.0	1419.7
37.5°	1879.8	1874.7	1796.7	1633.9	1459.1	1333.2	1322.1	1429.2	1542.3	1582.5	1580.0
40°	2088.9	2103.5	2004.9	1825.0	1614.2	1486.6	1459.1	1585.1	1715.3	1760.7	1742.8
42.5°	2314.2	2310.8	2222.6	2022.1	1787.3	1634.8	1618.5	1748.7	1893.5	1945.0	1928.7
45°	2511.3	2509.6	2413.6	2213.1	1952.7	1806.2	1783.9	1921.8	2103.5	2151.4	2118.0
47.5°	2693.0	2688.7	2589.3	2385.4	2097.5	1969.8	1971.5	2112.9	2305.7	2384.5	2333.1
50°	2833.5	2818.9	2756.4	2536.2	2254.3	2142.0	2174.6	2340.8	2546.4	2617.6	2561.9
52.5°	2908.9	2886.6	2837.8	2641.5	2402.5	2312.5	2375.1	2572.1	2775.2	2842.9	2782.1
55°	2872.9	2872.9	2845.5	2705.8	2507.9	2468.5	2594.4	2793.2	3004.8	3079.4	3025.4
57.5°	2728.1	2750.4	2763.2	2688.7	2580.7	2622.7	2822.3	3045.1	3248.2	3330.4	3259.3
60°	2474.5	2480.5	2574.7	2596.1	2609.8	2753.8	3058.8	3324.4	3506.9	3572.0	3491.5
62.5°	2115.5	2143.7	2258.6	2417.1	2567.0	2862.6	3307.3	3605.5	3770.0	3813.7	3696.3
65°	1716.2	1709.3	1921.8	2159.2	2448.8	2894.3	3507.8	3877.9	4005.6	4063.8	3859.9
67.5°	1301.5	1297.2	1493.4	1841.3	2248.3	2860.9	3670.6	4109.3	4249.8	4251.5	3962.7
70°	922.8	929.6	1103.6	1472.9	1989.5	2708.4	3690.3	4285.8	4337.2	4316.6	3900.2
72.5°	626.3	631.5	796.8	1128.4	1646.8	2461.6	3525.8	4266.9	4254.9	4197.5	3643.2
75°	403.6	437.8	560.4	857.7	1333.2	2106.0	3206.2	3997.0	3934.5	3839.4	3196.8
77.5°	278.5	295.6	389.8	624.6	1041.9	1739.3	2752.9	3454.7	3389.5	3273.0	2577.3
80°	188.5	196.2	268.2	467.0	820.0	1367.5	2243.1	2781.2	2669.0	2549.0	1933.0
82.5°	126.0	140.5	192.8	335.0	620.3	1055.6	1705.9	2124.0	1945.8	1842.1	1358.0
85°	84.0	91.7	137.1	243.3	449.0	768.6	1227.8	1442.9	1286.1	1194.4	867.9
87.5°	56.5	63.4	97.7	173.9	332.4	558.6	822.5	932.2	806.3	748.9	525.2
90°	37.7	42.0	72.0	125.1	234.8	389.8	555.2	575.8	494.4	459.3	321.3
92.5°	26.6	30.8	54.0	92.5	164.5	270.8	356.4	348.7	291.3	274.2	207.3
95°	20.6	24.0	42.0	71.1	120.0	185.9	232.2	212.5	184.2	178.2	143.1
97.5°	18.0	19.7	35.1	57.4	90.8	131.9	150.8	143.9	124.2	120.8	104.5
100°	16.3	18.0	30.8	49.7	72.8	96.8	108.0	100.2	90.0	87.4	77.1
102.5°	15.4	16.3	27.4	42.8	60.0	76.3	83.1	74.5	66.8	66.0	59.1
105°	14.6	15.4	24.0	36.8	50.6	62.5	65.1	58.3	52.3	49.7	44.6
107.5°	13.7	13.7	21.4	32.6	43.7	52.3	54.0	47.1	40.3	38.6	35.1
110°	12.9	13.7	19.7	29.1	38.6	45.4	45.4	38.6	31.7	30.0	28.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.9	12.9	18.0	25.7	34.3	39.4	38.6	31.7	25.7	23.1	23.1
115°	12.0	12.9	17.1	24.0	30.8	34.3	32.6	26.6	20.6	18.8	19.7
117.5°	12.0	12.9	15.4	21.4	27.4	30.0	28.3	22.3	17.1	16.3	18.0
120°	12.0	12.9	15.4	19.7	24.0	26.6	24.8	18.8	15.4	14.6	16.3
122.5°	12.9	12.9	14.6	18.0	22.3	24.0	21.4	16.3	13.7	12.9	14.6
125°	12.9	12.9	14.6	17.1	20.6	21.4	18.8	14.6	12.0	12.0	13.7
127.5°	12.9	12.9	14.6	16.3	18.8	18.8	17.1	12.9	11.1	11.1	12.9
130°	12.9	12.9	13.7	15.4	17.1	17.1	14.6	11.1	10.3	10.3	12.0
132.5°	13.7	13.7	13.7	14.6	15.4	15.4	12.9	10.3	9.4	9.4	12.0
135°	12.9	12.9	12.9	13.7	13.7	13.7	11.1	9.4	8.6	9.4	11.1
137.5°	12.0	12.0	12.9	12.9	12.9	12.0	9.4	7.7	7.7	8.6	10.3
140°	12.0	11.1	12.0	12.0	11.1	10.3	8.6	6.9	6.9	7.7	8.6
142.5°	10.3	10.3	10.3	10.3	9.4	8.6	6.9	6.0	6.9	6.9	7.7
145°	9.4	9.4	9.4	8.6	8.6	6.9	5.1	5.1	5.1	6.0	6.9
147.5°	7.7	7.7	7.7	7.7	6.9	6.0	3.4	4.3	4.3	4.3	5.1
150°	6.0	6.0	6.9	6.0	5.1	4.3	2.6	3.4	4.3	4.3	4.3
152.5°	5.1	5.1	5.1	5.1	4.3	2.6	2.6	3.4	3.4	3.4	4.3
155°	3.4	3.4	3.4	3.4	2.6	1.7	2.6	2.6	3.4	3.4	3.4
157.5°	1.7	1.7	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
160°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
162.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
165°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
167.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
170°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
172.5°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
175°	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
177.5°	0.0	0.9	1.7	1.7	2.6	1.7	1.7	1.7	1.7	1.7	2.6
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5
2.5°	185.1	183.4	179.9	176.5	173.9	171.4	169.6	167.1	165.4	165.4	165.4
5°	199.6	197.9	189.4	180.8	173.1	166.2	161.1	155.1	152.5	149.9	150.8
7.5°	228.8	222.8	209.1	194.5	181.6	167.9	157.7	149.1	143.9	140.5	140.5
10°	268.2	258.8	238.2	215.9	194.5	174.8	159.4	147.4	138.8	135.4	135.4
12.5°	318.7	309.3	277.6	244.2	211.6	183.4	163.7	148.2	138.8	134.5	134.5
15°	386.4	370.1	327.3	279.3	232.2	193.6	167.9	155.1	149.1	146.5	146.5
17.5°	467.0	443.0	387.3	315.3	252.8	203.9	179.1	167.1	161.9	161.1	161.1
20°	561.2	531.2	447.3	351.3	269.0	216.8	188.5	178.2	176.5	177.4	177.4
22.5°	668.3	624.6	508.9	383.9	284.5	224.5	195.4	186.8	188.5	192.8	191.9
25°	781.4	735.1	576.6	413.0	294.7	227.9	199.6	194.5	201.4	206.5	206.5
27.5°	913.4	841.4	638.3	433.5	297.3	225.3	200.5	197.9	207.3	215.1	216.8
30°	1047.9	955.3	691.4	446.4	292.2	219.3	197.1	198.8	209.9	220.2	221.1
32.5°	1184.1	1063.3	735.1	449.0	283.6	211.6	193.6	197.1	209.1	220.2	221.9
35°	1319.5	1164.4	764.3	439.5	269.9	203.9	187.6	193.6	205.6	218.5	220.2
37.5°	1452.3	1260.4	782.3	424.1	256.2	197.1	183.4	189.4	201.4	215.9	217.6
40°	1597.1	1363.2	792.5	406.1	242.5	191.1	180.8	186.8	198.8	212.5	215.1
42.5°	1729.9	1457.4	793.4	383.9	232.2	188.5	179.1	184.2	195.4	209.9	212.5
45°	1903.0	1554.3	793.4	365.0	225.3	187.6	179.1	183.4	193.6	209.1	212.5
47.5°	2066.6	1665.6	795.1	348.7	221.9	189.4	180.8	182.5	191.1	209.1	212.5
50°	2256.8	1772.7	808.8	336.7	221.1	192.8	183.4	181.6	188.5	207.3	211.6
52.5°	2446.2	1914.1	826.0	328.2	222.8	196.2	185.1	181.6	185.9	203.1	208.2
55°	2653.5	2048.6	844.8	329.0	226.2	199.6	187.6	180.8	182.5	196.2	201.4
57.5°	2860.9	2206.3	885.9	334.2	230.5	203.9	190.2	180.8	178.2	188.5	192.8
60°	3042.5	2345.1	928.8	345.3	236.5	208.2	191.9	179.9	174.8	180.8	184.2
62.5°	3234.5	2496.7	963.1	354.7	243.3	211.6	191.9	179.1	172.2	176.5	178.2
65°	3359.6	2586.7	981.0	366.7	250.2	214.2	192.8	177.4	171.4	173.9	175.6
67.5°	3423.8	2601.3	969.1	371.0	256.2	215.9	191.9	175.6	172.2	173.9	175.6
70°	3347.6	2504.5	911.6	368.4	257.9	215.9	190.2	173.9	172.2	174.8	175.6
72.5°	3071.7	2271.4	826.8	355.6	255.3	212.5	187.6	171.4	171.4	175.6	175.6
75°	2645.0	1936.4	715.4	335.9	248.5	207.3	182.5	167.1	168.8	174.8	174.8
77.5°	2118.0	1532.0	589.5	307.6	235.6	198.8	175.6	161.1	165.4	172.2	171.4
80°	1576.5	1141.3	474.7	275.9	218.5	186.8	166.2	154.2	160.2	166.2	164.5
82.5°	1050.4	801.1	375.3	242.5	200.5	174.8	155.9	144.8	152.5	158.5	155.9
85°	682.0	533.8	290.5	209.1	181.6	161.1	143.1	134.5	142.2	147.4	144.8
87.5°	425.0	358.1	221.1	178.2	161.9	145.7	131.9	122.5	130.2	135.4	131.9
90°	281.0	239.9	173.9	154.2	143.9	131.1	118.2	111.4	119.1	120.8	118.2
92.5°	185.1	169.6	141.4	131.9	126.8	116.5	107.1	101.1	107.1	108.0	106.2
95°	132.8	128.5	116.5	114.8	112.2	103.7	96.0	90.8	94.2	95.1	91.7
97.5°	101.1	100.2	99.4	99.4	97.7	91.7	84.8	80.5	82.3	81.4	78.8
100°	78.8	80.5	83.1	84.8	84.0	79.7	74.5	71.1	72.0	68.5	66.0
102.5°	61.7	65.1	69.4	72.0	72.0	68.5	66.0	62.5	60.0	55.7	54.8
105°	48.8	51.4	57.4	61.7	61.7	60.0	57.4	53.1	50.6	45.4	45.4
107.5°	38.6	42.0	48.8	52.3	53.1	51.4	49.7	46.3	42.0	36.8	36.8
110°	30.8	33.4	41.1	44.6	45.4	44.6	42.8	38.6	34.3	30.8	30.8



REPORT NUMBER: P417373

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.7	28.3	34.3	37.7	39.4	38.6	36.8	32.6	28.3	25.7	25.7
115°	22.3	24.8	29.1	32.6	33.4	33.4	30.8	28.3	23.1	22.3	22.3
117.5°	19.7	21.4	25.7	28.3	30.0	29.1	26.6	24.0	20.6	19.7	19.7
120°	18.0	19.7	23.1	25.7	25.7	24.8	23.1	20.6	18.0	17.1	18.0
122.5°	16.3	18.0	20.6	22.3	22.3	22.3	20.6	18.0	15.4	15.4	16.3
125°	15.4	16.3	18.8	19.7	20.6	19.7	18.0	15.4	13.7	14.6	14.6
127.5°	14.6	15.4	17.1	18.0	18.0	17.1	15.4	13.7	12.0	12.9	13.7
130°	13.7	14.6	15.4	16.3	16.3	15.4	13.7	12.0	11.1	12.0	12.0
132.5°	12.0	12.9	13.7	14.6	13.7	13.7	12.0	10.3	10.3	11.1	11.1
135°	11.1	12.0	12.0	12.9	12.0	12.0	10.3	9.4	9.4	10.3	10.3
137.5°	10.3	11.1	11.1	11.1	10.3	10.3	9.4	8.6	8.6	8.6	9.4
140°	9.4	9.4	9.4	9.4	8.6	8.6	7.7	6.9	7.7	7.7	7.7
142.5°	8.6	8.6	8.6	7.7	7.7	6.9	6.0	6.0	6.9	6.9	6.9
145°	6.9	6.9	6.9	6.0	6.0	5.1	5.1	5.1	6.0	6.0	6.0
147.5°	6.0	6.0	6.0	5.1	4.3	4.3	4.3	4.3	5.1	5.1	5.1
150°	5.1	5.1	5.1	4.3	3.4	3.4	2.6	3.4	4.3	4.3	4.3
152.5°	4.3	4.3	4.3	4.3	3.4	1.7	2.6	3.4	3.4	3.4	3.4
155°	3.4	3.4	4.3	3.4	2.6	0.9	1.7	2.6	2.6	2.6	2.6
157.5°	3.4	3.4	3.4	2.6	1.7	0.9	1.7	1.7	2.6	1.7	2.6
160°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
162.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	0.9	0.9	0.9
165°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
170°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
175°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)