

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: P413794

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8395 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): 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

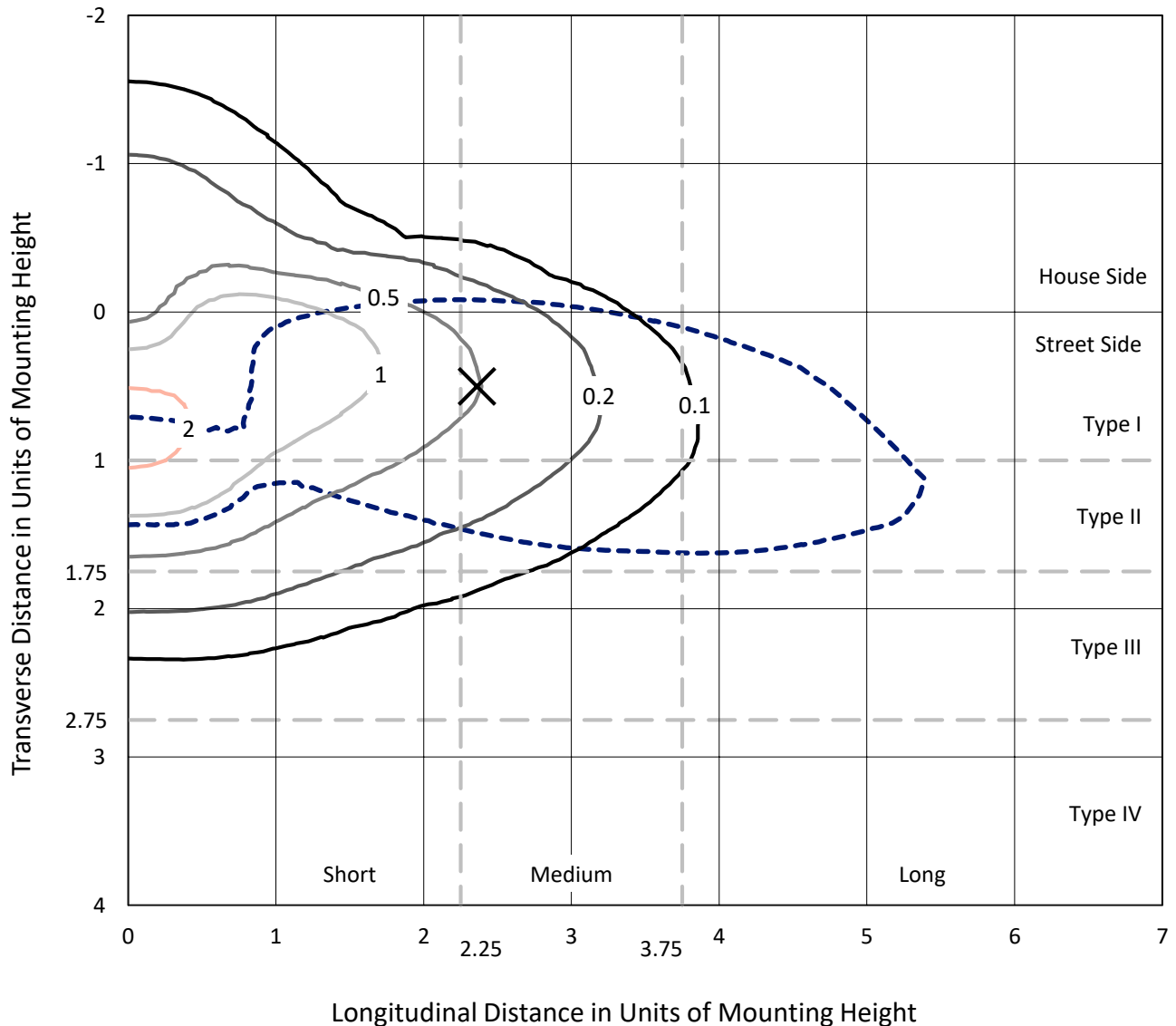


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

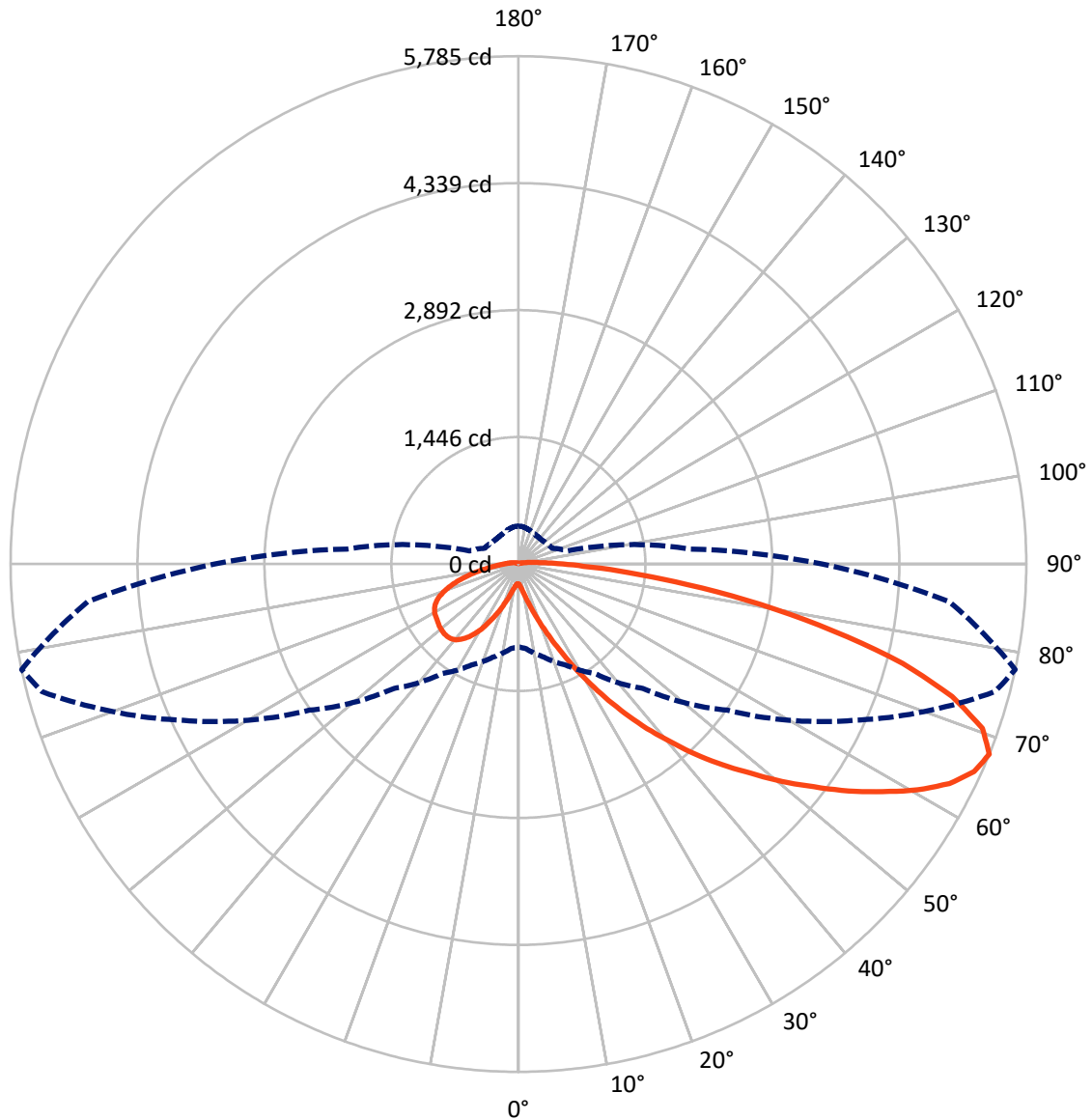


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1595.2	129.5	1724.7
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	6539.1	131.3	6670.3
	% Fixture	77.9	1.6	79.5
Total	Lumens	8134.2	260.8	8395.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	0.3
10°-20°	130.4	1.6
20°-30°	397.4	4.7
30°-40°	889.1	10.6
40°-50°	1464.9	17.5
50°-60°	1803.0	21.5
60°-70°	1748.7	20.8
70°-80°	1211.0	14.4
80°-90°	463.6	5.5
90°-100°	133.0	1.6
100°-110°	57.7	0.7
110°-120°	31.1	0.4
120°-130°	19.3	0.2
130°-140°	11.9	0.1
140°-150°	5.8	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8134.2	96.9
0°-180°	8395.0	100.0

Coefficient of Utilization



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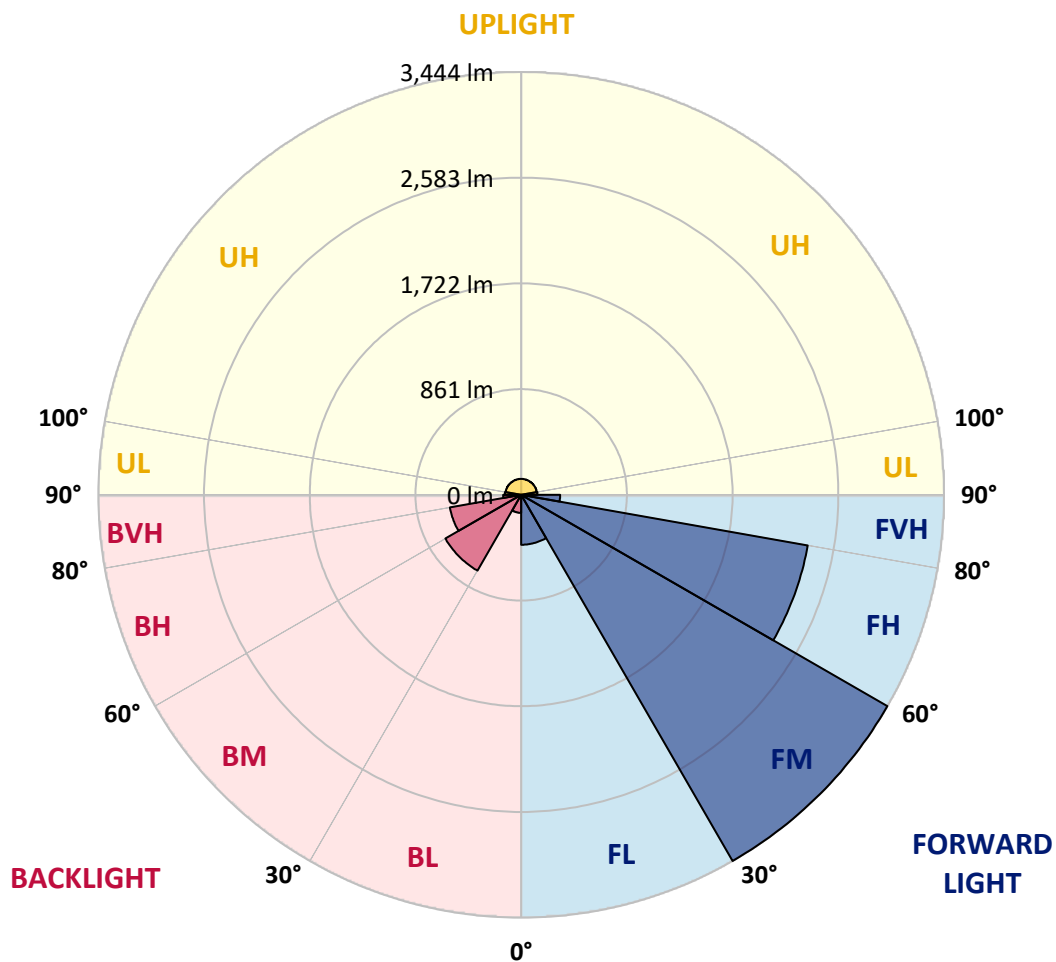
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.9	4.8			
FM (30°-60°)	3444.5	41.0			
FH (60°-80°)	2370.4	28.2			G2/5000
FVH (80°-90°)	317.3	3.8			G3/500
BL (0°-30°)	146.9	1.7	B1/500		
BM (30°-60°)	712.5	8.5	B1/1000		
BH (60°-80°)	589.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	146.3	1.7			G2/225
UL (90°-100°)	133.0	1.6		U3/500	
UH (100°-180°)	129.5	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7
2.5°	272.4	270.4	270.4	269.4	265.5	261.5	255.5	248.6	242.6	238.6	234.6
5°	331.1	324.1	326.1	320.2	313.2	305.2	294.3	279.4	265.5	262.5	251.6
7.5°	401.7	392.7	395.7	388.8	375.8	358.9	344.0	322.1	301.3	294.3	278.4
10°	491.2	482.2	477.2	467.3	452.4	430.5	407.7	378.8	350.0	340.0	320.2
12.5°	597.6	590.6	583.6	569.7	545.9	518.0	489.2	457.4	419.6	406.7	375.8
15°	729.8	723.8	708.9	690.0	655.2	624.4	580.7	551.8	505.1	489.2	451.4
17.5°	877.9	866.0	851.1	823.3	783.5	744.7	707.9	659.2	608.5	595.6	548.8
20°	1060.9	1056.9	1028.1	981.3	937.6	884.9	849.1	801.4	744.7	726.8	665.2
22.5°	1277.6	1269.7	1235.9	1165.3	1099.7	1032.1	1003.2	953.5	912.7	887.9	807.3
25°	1538.1	1523.2	1467.5	1383.0	1289.6	1209.0	1161.3	1143.4	1111.6	1073.8	975.4
27.5°	1815.5	1816.5	1740.0	1614.7	1484.4	1388.0	1351.2	1358.2	1319.4	1298.5	1178.2
30°	2158.6	2133.7	2033.3	1879.2	1703.2	1578.9	1557.0	1591.8	1580.9	1540.1	1397.9
32.5°	2501.6	2492.6	2368.4	2157.6	1926.9	1790.7	1774.8	1850.3	1847.4	1806.6	1625.6
35°	2843.6	2833.7	2679.6	2434.0	2160.5	2004.4	1990.5	2090.0	2125.7	2085.0	1882.2
37.5°	3187.6	3164.8	3009.7	2711.4	2382.3	2200.3	2206.3	2331.6	2415.1	2378.3	2129.7
40°	3490.9	3486.9	3305.9	2966.9	2596.0	2399.2	2438.9	2604.0	2706.4	2655.7	2381.3
42.5°	3723.5	3706.6	3546.6	3178.7	2787.9	2585.1	2653.7	2872.4	3003.7	2968.9	2628.8
45°	3830.9	3821.0	3692.7	3338.8	2937.1	2746.2	2854.5	3121.0	3300.0	3262.2	2883.4
47.5°	3802.1	3793.1	3723.5	3417.3	3035.5	2884.4	3031.5	3362.6	3611.2	3560.5	3136.9
50°	3629.1	3638.0	3616.2	3394.4	3070.3	2972.9	3199.6	3604.2	3915.4	3891.6	3381.5
52.5°	3312.9	3338.8	3373.6	3275.1	3038.5	3012.6	3320.9	3814.0	4217.7	4216.7	3652.9
55°	2902.3	2920.2	3041.5	3023.6	2917.2	3011.6	3410.3	4020.8	4557.7	4562.7	3933.3
57.5°	2466.8	2457.8	2618.9	2712.4	2740.2	2935.1	3454.1	4203.8	4858.0	4892.8	4229.6
60°	1990.5	2023.3	2174.5	2365.4	2469.8	2784.0	3439.2	4333.0	5147.3	5223.9	4499.1
62.5°	1617.7	1602.8	1768.8	1976.6	2188.4	2567.2	3330.8	4393.7	5422.7	5508.3	4747.6
65°	1222.0	1252.8	1402.9	1586.9	1838.4	2293.8	3155.8	4361.9	5592.8	5702.1	4903.7
67.5°	942.6	966.4	1094.7	1267.7	1524.2	2003.5	2903.3	4213.7	5618.6	5784.7	4925.6
70°	728.8	747.7	838.2	985.3	1229.9	1683.3	2548.3	3931.3	5477.4	5606.7	4724.8
72.5°	580.7	588.6	652.2	771.6	971.4	1373.1	2162.5	3487.9	5050.9	5166.2	4313.1
75°	456.4	468.3	520.0	609.5	758.6	1097.7	1767.8	2947.0	4401.6	4520.9	3745.4
77.5°	362.9	374.8	413.6	476.3	588.6	846.1	1381.0	2401.2	3593.3	3666.9	2983.8
80°	288.3	294.3	327.1	373.8	457.4	652.2	1040.0	1822.5	2721.3	2797.9	2217.2
82.5°	218.7	223.7	256.5	297.3	356.9	494.2	751.7	1281.6	1917.0	1937.8	1505.3
85°	157.1	166.0	192.9	226.7	273.4	367.9	538.9	870.0	1223.0	1254.8	953.5
87.5°	111.4	115.3	142.2	174.0	208.8	272.4	374.8	572.7	752.7	743.7	578.7
90°	75.6	78.5	102.4	128.3	159.1	203.8	261.5	359.9	462.3	447.4	362.9
92.5°	50.7	55.7	75.6	97.4	124.3	157.1	185.9	235.6	286.3	272.4	230.7
95°	37.8	39.8	57.7	77.6	99.4	120.3	138.2	161.1	182.9	179.0	159.1
97.5°	29.8	31.8	46.7	63.6	80.5	97.4	107.4	115.3	127.3	126.3	114.3
100°	25.9	26.8	39.8	54.7	69.6	81.5	87.5	89.5	93.5	91.5	87.5
102.5°	21.9	23.9	34.8	47.7	60.7	69.6	73.6	71.6	70.6	68.6	64.6
105°	19.9	20.9	30.8	42.8	53.7	60.7	61.6	58.7	53.7	52.7	50.7
107.5°	18.9	19.9	27.8	38.8	47.7	53.7	52.7	48.7	42.8	40.8	39.8
110°	17.9	18.9	25.9	34.8	43.7	47.7	46.7	40.8	33.8	31.8	32.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	17.9	17.9	23.9	31.8	39.8	42.8	40.8	34.8	27.8	26.8	27.8
115°	16.9	17.9	22.9	29.8	35.8	38.8	35.8	29.8	23.9	22.9	23.9
117.5°	16.9	17.9	21.9	27.8	33.8	34.8	31.8	25.9	19.9	19.9	21.9
120°	16.9	17.9	20.9	25.9	30.8	31.8	28.8	22.9	17.9	17.9	19.9
122.5°	17.9	17.9	19.9	24.9	28.8	29.8	25.9	19.9	16.9	16.9	18.9
125°	17.9	17.9	19.9	22.9	26.8	26.8	23.9	17.9	14.9	14.9	17.9
127.5°	17.9	17.9	19.9	21.9	24.9	24.9	21.9	16.9	13.9	13.9	16.9
130°	17.9	18.9	18.9	20.9	22.9	22.9	19.9	14.9	13.9	13.9	15.9
132.5°	18.9	18.9	18.9	19.9	21.9	20.9	16.9	13.9	12.9	12.9	14.9
135°	17.9	17.9	17.9	18.9	19.9	18.9	14.9	11.9	11.9	12.9	13.9
137.5°	17.9	17.9	17.9	16.9	17.9	16.9	13.9	10.9	10.9	11.9	12.9
140°	15.9	16.9	15.9	15.9	15.9	14.9	11.9	8.9	9.9	10.9	10.9
142.5°	14.9	14.9	14.9	13.9	13.9	12.9	9.9	8.0	8.9	8.9	9.9
145°	13.9	13.9	12.9	11.9	11.9	9.9	8.0	7.0	8.0	8.0	8.9
147.5°	11.9	11.9	11.9	9.9	8.9	8.0	5.0	5.0	6.0	7.0	7.0
150°	9.9	9.9	9.9	8.9	7.0	6.0	4.0	5.0	5.0	5.0	6.0
152.5°	8.0	8.0	8.0	7.0	6.0	4.0	3.0	4.0	4.0	4.0	5.0
155°	5.0	5.0	5.0	5.0	4.0	2.0	3.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7
2.5°	231.7	228.7	223.7	218.7	213.8	208.8	204.8	203.8	200.8	200.8	199.8
5°	245.6	240.6	227.7	217.7	206.8	197.9	190.9	187.9	184.9	182.9	182.9
7.5°	270.4	259.5	240.6	223.7	208.8	195.9	186.9	182.0	178.0	176.0	176.0
10°	304.2	290.3	261.5	236.6	214.8	198.9	188.9	182.9	180.0	178.0	177.0
12.5°	354.0	334.1	292.3	256.5	228.7	208.8	195.9	191.9	192.9	192.9	192.9
15°	421.6	392.7	336.1	287.3	247.6	221.7	212.8	212.8	215.8	216.8	214.8
17.5°	509.1	470.3	390.7	318.2	271.4	244.6	234.6	234.6	239.6	242.6	242.6
20°	616.4	560.8	448.4	358.9	299.3	270.4	258.5	259.5	265.5	269.4	269.4
22.5°	739.7	674.1	522.0	400.7	330.1	293.3	280.4	281.4	291.3	296.3	298.3
25°	899.8	798.4	595.6	443.4	358.9	315.2	302.3	303.3	316.2	323.1	323.1
27.5°	1068.8	936.6	670.1	485.2	383.8	335.1	322.1	325.1	339.0	345.0	347.0
30°	1248.8	1083.8	744.7	521.0	403.7	350.0	337.1	343.0	355.9	364.9	365.9
32.5°	1448.7	1227.9	804.4	549.8	420.6	362.9	350.0	358.9	369.9	379.8	380.8
35°	1657.4	1371.1	857.1	569.7	431.5	373.8	359.9	368.9	379.8	388.8	387.8
37.5°	1844.4	1488.4	891.9	577.7	437.5	379.8	366.9	375.8	385.8	392.7	392.7
40°	2028.3	1610.7	908.8	571.7	437.5	382.8	369.9	379.8	388.8	392.7	392.7
42.5°	2203.3	1701.2	905.8	559.8	435.5	383.8	371.9	380.8	388.8	390.7	390.7
45°	2354.4	1784.7	887.9	539.9	428.5	382.8	372.9	380.8	386.8	386.8	387.8
47.5°	2533.4	1850.3	862.0	519.0	420.6	380.8	370.9	379.8	384.8	384.8	383.8
50°	2694.5	1914.0	827.2	496.1	413.6	378.8	369.9	378.8	384.8	382.8	382.8
52.5°	2865.5	1970.6	791.4	475.3	406.7	377.8	369.9	378.8	384.8	383.8	384.8
55°	3023.6	2027.3	746.7	456.4	402.7	376.8	370.9	379.8	387.8	387.8	386.8
57.5°	3226.4	2057.1	711.9	443.4	398.7	376.8	371.9	381.8	391.7	392.7	393.7
60°	3369.6	2095.9	683.1	435.5	398.7	378.8	374.8	384.8	397.7	402.7	405.7
62.5°	3474.0	2093.9	648.3	431.5	399.7	380.8	377.8	387.8	404.7	411.6	415.6
65°	3528.7	2058.1	612.5	428.5	400.7	382.8	379.8	389.8	409.6	422.6	426.5
67.5°	3457.1	1961.7	575.7	423.6	399.7	381.8	380.8	391.7	412.6	429.5	431.5
70°	3283.1	1798.6	531.9	412.6	395.7	378.8	377.8	386.8	409.6	429.5	431.5
72.5°	2953.0	1591.8	481.2	396.7	386.8	371.9	368.9	377.8	399.7	419.6	419.6
75°	2511.5	1352.2	431.5	373.8	368.9	359.9	356.9	361.9	380.8	399.7	400.7
77.5°	1966.7	1076.8	378.8	342.0	347.0	340.0	337.1	340.0	356.9	369.9	370.9
80°	1496.4	820.3	328.1	304.2	316.2	314.2	311.2	310.2	322.1	332.1	329.1
82.5°	1032.1	583.6	271.4	264.5	277.4	280.4	279.4	272.4	281.4	289.3	284.4
85°	666.2	412.6	226.7	223.7	235.6	240.6	239.6	234.6	236.6	245.6	235.6
87.5°	430.5	296.3	186.9	184.9	194.9	200.8	200.8	190.9	194.9	203.8	192.9
90°	269.4	209.8	156.1	155.1	162.1	165.0	161.1	155.1	157.1	162.1	158.1
92.5°	190.9	158.1	130.2	130.2	132.2	134.2	132.2	125.3	129.3	129.3	129.3
95°	139.2	125.3	113.3	111.4	110.4	109.4	108.4	103.4	107.4	106.4	103.4
97.5°	106.4	100.4	96.4	95.4	93.5	92.5	91.5	87.5	90.5	88.5	86.5
100°	83.5	82.5	82.5	82.5	80.5	77.6	77.6	76.6	76.6	73.6	73.6
102.5°	66.6	66.6	70.6	71.6	69.6	67.6	67.6	66.6	65.6	61.6	60.7
105°	52.7	54.7	60.7	61.6	60.7	58.7	57.7	57.7	55.7	50.7	50.7
107.5°	42.8	44.7	51.7	53.7	52.7	51.7	50.7	49.7	47.7	42.8	42.8
110°	34.8	37.8	43.7	46.7	45.7	44.7	44.7	42.8	40.8	36.8	36.8



REPORT NUMBER: P413794

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.8	32.8	37.8	40.8	40.8	39.8	38.8	37.8	34.8	31.8	31.8
115°	25.9	28.8	33.8	35.8	35.8	34.8	33.8	32.8	29.8	27.8	28.8
117.5°	23.9	25.9	29.8	31.8	31.8	30.8	29.8	28.8	26.8	25.9	25.9
120°	21.9	23.9	26.8	28.8	28.8	27.8	26.8	25.9	23.9	23.9	23.9
122.5°	19.9	21.9	24.9	25.9	25.9	24.9	23.9	22.9	20.9	21.9	21.9
125°	18.9	19.9	21.9	23.9	23.9	22.9	21.9	19.9	18.9	19.9	19.9
127.5°	17.9	18.9	20.9	21.9	21.9	20.9	18.9	17.9	16.9	17.9	17.9
130°	16.9	17.9	18.9	19.9	19.9	17.9	16.9	15.9	15.9	16.9	16.9
132.5°	15.9	16.9	16.9	17.9	17.9	16.9	14.9	13.9	13.9	14.9	14.9
135°	14.9	14.9	15.9	15.9	15.9	14.9	12.9	11.9	12.9	13.9	13.9
137.5°	12.9	13.9	13.9	14.9	13.9	12.9	10.9	10.9	11.9	11.9	11.9
140°	11.9	11.9	12.9	12.9	11.9	10.9	9.9	8.9	9.9	10.9	10.9
142.5°	10.9	10.9	10.9	10.9	10.9	8.9	8.0	8.0	8.9	8.9	8.9
145°	8.9	8.9	9.9	8.9	8.9	7.0	6.0	7.0	8.0	8.0	8.0
147.5°	7.0	8.0	8.0	8.0	7.0	5.0	4.0	6.0	7.0	7.0	7.0
150°	6.0	6.0	6.0	6.0	6.0	4.0	3.0	5.0	6.0	6.0	6.0
152.5°	5.0	5.0	6.0	6.0	5.0	3.0	2.0	4.0	5.0	5.0	4.0
155°	4.0	4.0	5.0	5.0	4.0	2.0	2.0	3.0	4.0	4.0	3.0
157.5°	3.0	4.0	4.0	4.0	3.0	2.0	1.0	2.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	4.0	3.0	2.0	1.0	2.0	3.0	2.0	2.0
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)