

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: P413846

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413846
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-PA1-100-740-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 9218 lumens
Efficiency: N/A
Efficacy: 96.0 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

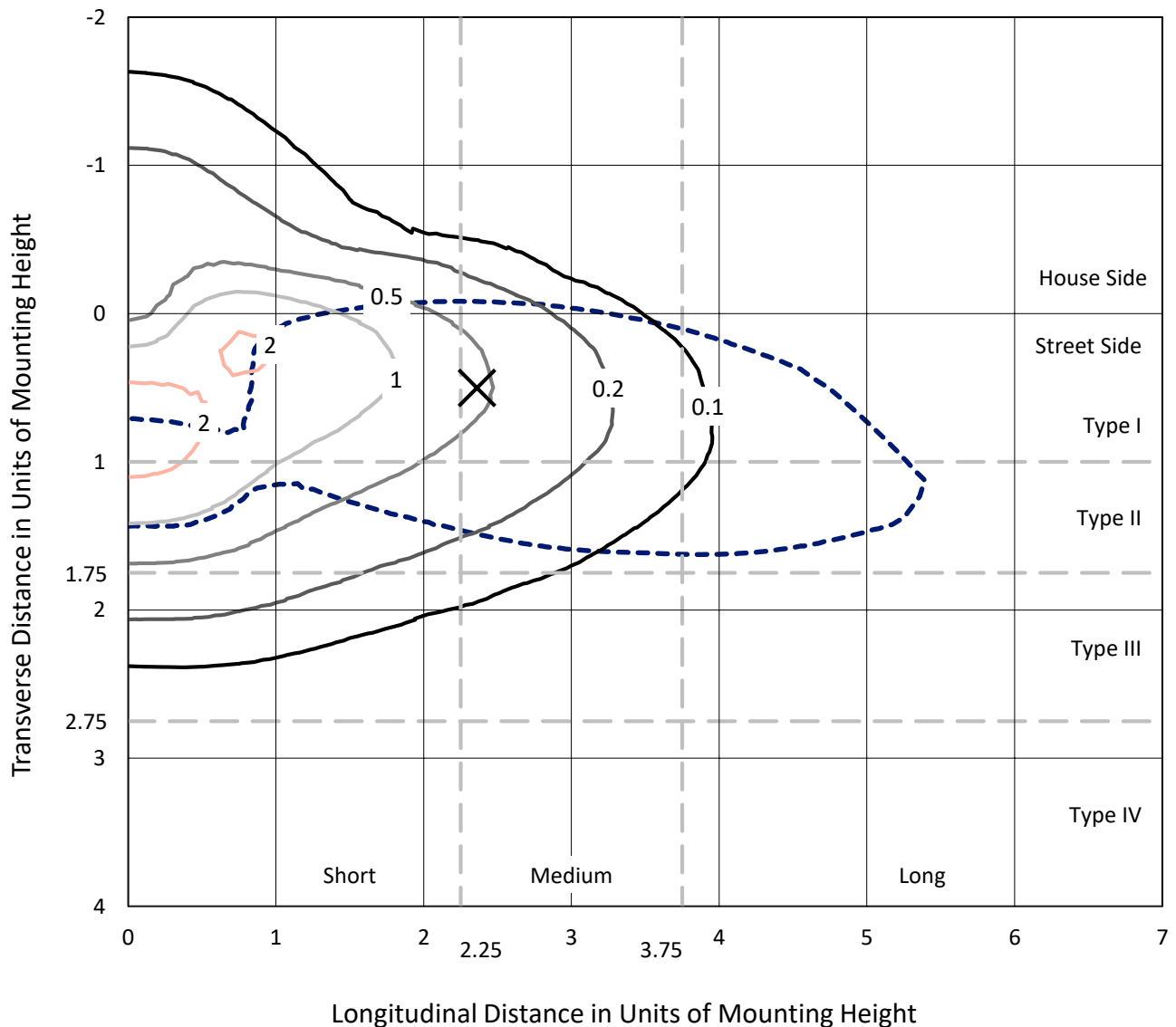
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

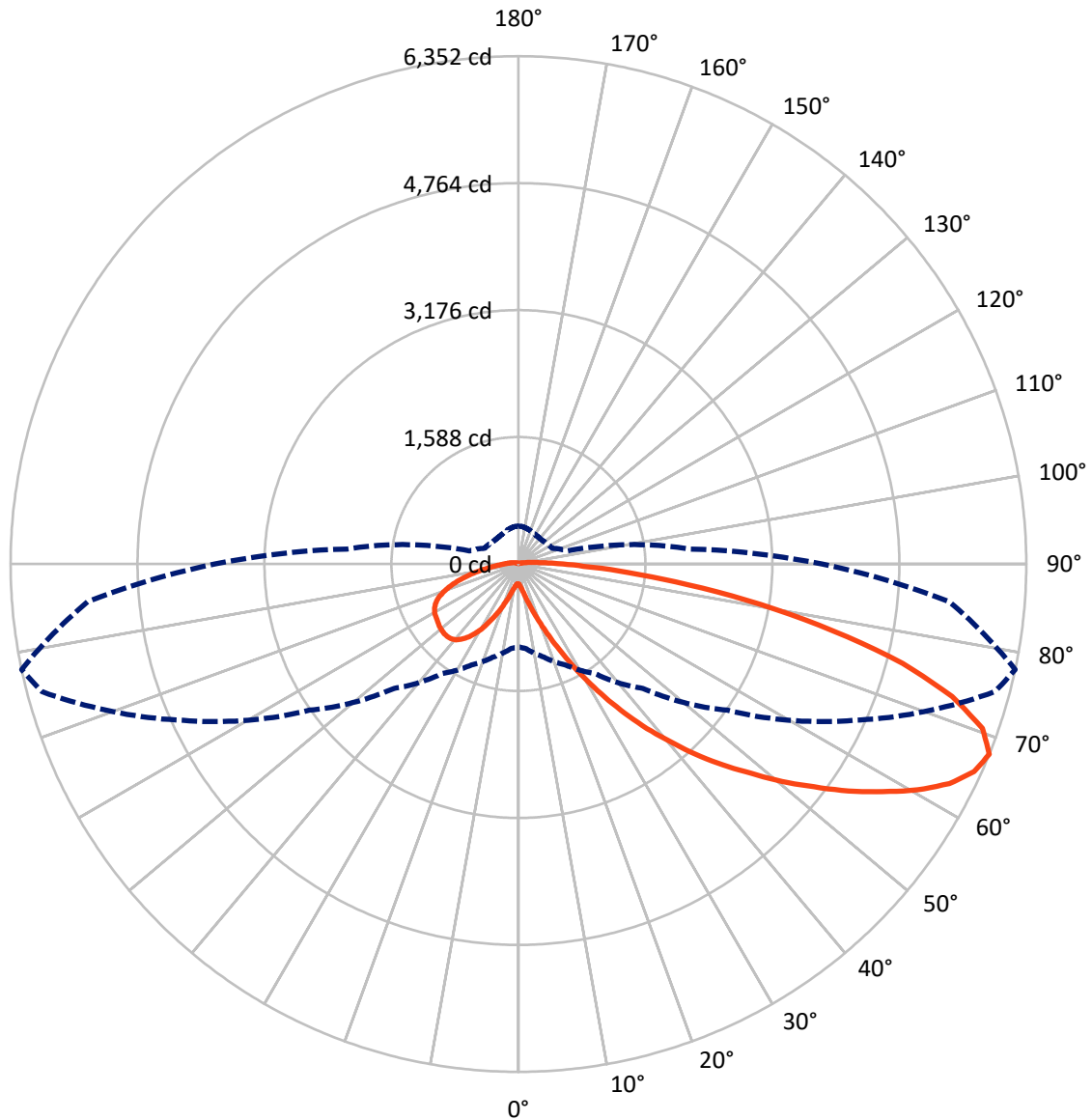
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1751.5	142.2	1893.8
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	7180.1	144.2	7324.3
	% Fixture	77.9	1.6	79.5
Total	Lumens	8931.6	286.4	9218.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	0.3
10°-20°	143.1	1.6
20°-30°	436.4	4.7
30°-40°	976.2	10.6
40°-50°	1608.5	17.5
50°-60°	1979.8	21.5
60°-70°	1920.2	20.8
70°-80°	1329.8	14.4
80°-90°	509.0	5.5
90°-100°	146.1	1.6
100°-110°	63.3	0.7
110°-120°	34.2	0.4
120°-130°	21.2	0.2
130°-140°	13.1	0.1
140°-150°	6.4	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8931.6	96.9
0°-180°	9218.0	100.0

Coefficient of Utilization



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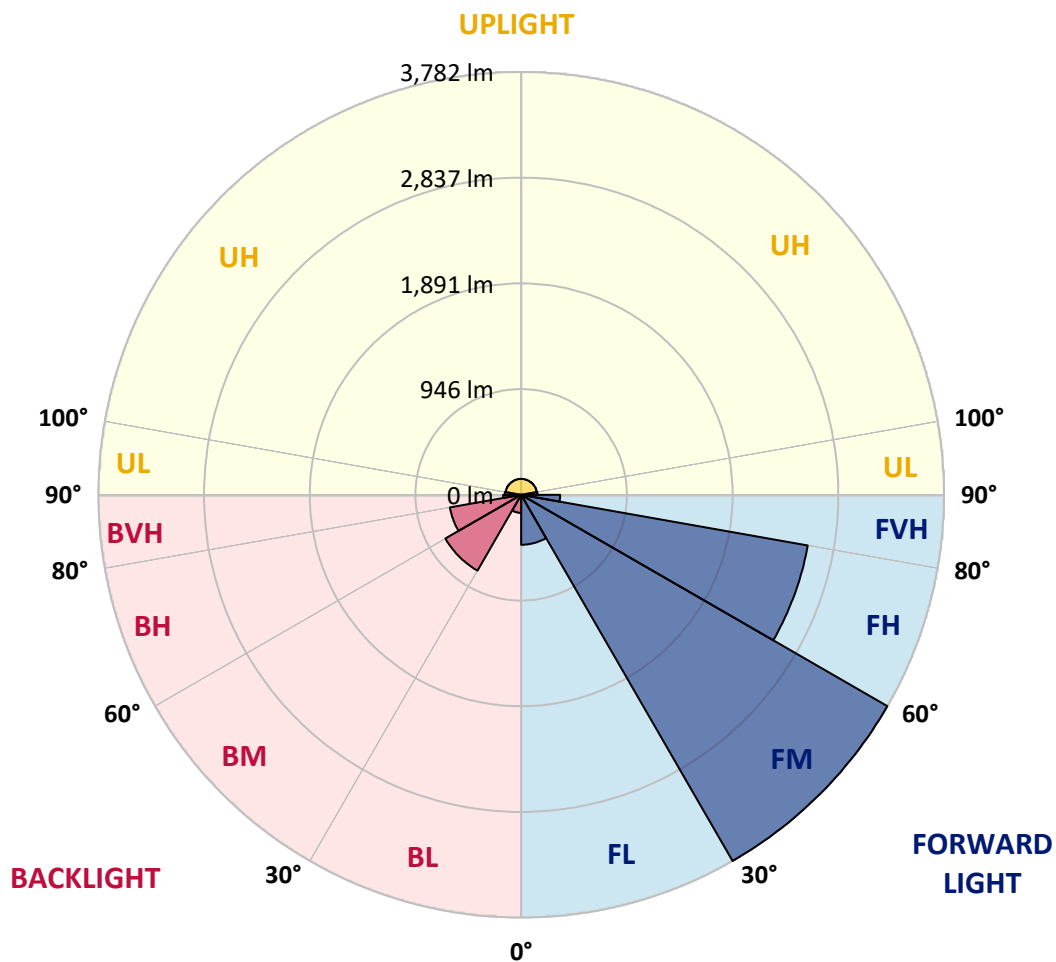
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.8	4.8			
FM (30°-60°)	3782.2	41.0			
FH (60°-80°)	2602.7	28.2			G2/5000
FVH (80°-90°)	348.4	3.8			G3/500
BL (0°-30°)	161.3	1.7	B1/500		
BM (30°-60°)	782.4	8.5	B1/1000		
BH (60°-80°)	647.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	160.6	1.7			G2/225
UL (90°-100°)	146.1	1.6		U3/500	
UH (100°-180°)	142.2	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°	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1
2.5°	299.1	297.0	297.0	295.9	291.5	287.1	280.6	272.9	266.4	262.0	257.7
5°	363.6	355.9	358.1	351.5	343.9	335.2	323.2	306.8	291.5	288.2	276.2
7.5°	441.1	431.2	434.5	426.9	412.7	394.1	377.7	353.7	330.8	323.2	305.7
10°	539.3	529.5	524.0	513.1	496.7	472.7	447.6	416.0	384.3	373.4	351.5
12.5°	656.1	648.5	640.9	625.6	599.4	568.8	537.1	502.2	460.7	446.5	412.7
15°	801.3	794.8	778.4	757.7	719.5	685.6	637.6	605.9	554.6	537.1	495.7
17.5°	964.0	950.9	934.5	904.0	860.3	817.7	777.3	723.8	668.1	654.0	602.6
20°	1164.9	1160.5	1128.9	1077.5	1029.5	971.7	932.3	879.9	817.7	798.1	730.4
22.5°	1402.9	1394.2	1357.0	1279.5	1207.5	1133.2	1101.6	1047.0	1002.2	974.9	886.5
25°	1688.9	1672.5	1611.4	1518.6	1416.0	1327.6	1275.2	1255.5	1220.6	1179.1	1071.0
27.5°	1993.5	1994.6	1910.5	1773.0	1630.0	1524.1	1483.7	1491.3	1448.7	1425.8	1293.7
30°	2370.2	2342.9	2232.6	2063.4	1870.2	1733.7	1709.7	1747.9	1735.9	1691.1	1535.0
32.5°	2746.8	2737.0	2600.5	2369.1	2115.8	1966.2	1948.8	2031.7	2028.5	1983.7	1785.0
35°	3122.4	3111.5	2942.2	2672.6	2372.4	2201.0	2185.7	2294.8	2334.1	2289.4	2066.7
37.5°	3500.1	3475.0	3304.7	2977.2	2615.8	2416.0	2422.6	2560.1	2651.8	2611.4	2338.5
40°	3833.1	3828.7	3630.0	3257.8	2850.5	2634.4	2678.0	2859.3	2971.7	2916.0	2614.7
42.5°	4088.6	4070.0	3894.2	3490.3	3061.2	2838.5	2913.9	3154.0	3298.2	3259.9	2886.6
45°	4206.5	4195.6	4054.7	3666.1	3225.0	3015.4	3134.4	3427.0	3623.5	3582.0	3166.1
47.5°	4174.8	4165.0	4088.6	3752.3	3333.1	3167.1	3328.7	3692.3	3965.2	3909.5	3444.4
50°	3984.9	3994.7	3970.7	3727.2	3371.3	3264.3	3513.2	3957.6	4299.3	4273.1	3713.0
52.5°	3637.7	3666.1	3704.3	3596.2	3336.4	3308.0	3646.4	4187.9	4631.2	4630.1	4011.1
55°	3186.8	3206.4	3339.6	3320.0	3203.2	3306.9	3744.7	4415.0	5004.5	5010.0	4318.9
57.5°	2708.6	2698.8	2875.6	2978.3	3008.8	3222.8	3792.7	4615.9	5334.3	5372.5	4644.3
60°	2185.7	2221.7	2387.6	2597.3	2711.9	3056.9	3776.3	4757.8	5652.0	5736.0	4940.1
62.5°	1776.3	1759.9	1942.2	2170.4	2402.9	2818.9	3657.3	4824.4	5954.4	6048.3	5213.1
65°	1341.8	1375.6	1540.4	1742.4	2018.6	2518.6	3465.2	4789.5	6141.1	6261.1	5384.5
67.5°	1035.0	1061.2	1202.0	1392.0	1673.6	2199.9	3187.9	4626.8	6169.4	6351.8	5408.5
70°	800.2	821.0	920.3	1081.9	1350.5	1848.3	2798.1	4316.7	6014.4	6156.3	5188.0
72.5°	637.6	646.3	716.2	847.2	1066.6	1507.7	2374.5	3829.8	5546.1	5672.7	4736.0
75°	501.1	514.2	571.0	669.2	833.0	1205.3	1941.1	3235.9	4833.1	4964.2	4112.6
77.5°	398.5	411.6	454.2	522.9	646.3	929.1	1516.4	2636.6	3945.6	4026.3	3276.3
80°	316.6	323.2	359.2	410.5	502.2	716.2	1142.0	2001.2	2988.1	3072.2	2434.6
82.5°	240.2	245.6	281.7	326.4	391.9	542.6	825.4	1407.3	2104.9	2127.8	1652.9
85°	172.5	182.3	211.8	248.9	300.2	403.9	591.7	955.3	1342.8	1377.8	1047.0
87.5°	122.3	126.6	156.1	191.1	229.3	299.1	411.6	628.8	826.4	816.6	635.4
90°	83.0	86.2	112.4	140.8	174.7	223.8	287.1	395.2	507.7	491.3	398.5
92.5°	55.7	61.1	83.0	107.0	136.5	172.5	204.2	258.7	314.4	299.1	253.3
95°	41.5	43.7	63.3	85.2	109.2	132.1	151.8	176.9	200.9	196.5	174.7
97.5°	32.8	34.9	51.3	69.9	88.4	107.0	117.9	126.6	139.7	138.7	125.6
100°	28.4	29.5	43.7	60.0	76.4	89.5	96.1	98.3	102.6	100.4	96.1
102.5°	24.0	26.2	38.2	52.4	66.6	76.4	80.8	78.6	77.5	75.3	71.0
105°	21.8	22.9	33.8	46.9	59.0	66.6	67.7	64.4	59.0	57.9	55.7
107.5°	20.7	21.8	30.6	42.6	52.4	59.0	57.9	53.5	46.9	44.8	43.7
110°	19.7	20.7	28.4	38.2	48.0	52.4	51.3	44.8	37.1	34.9	36.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	19.7	19.7	26.2	34.9	43.7	46.9	44.8	38.2	30.6	29.5	30.6
115°	18.6	19.7	25.1	32.8	39.3	42.6	39.3	32.8	26.2	25.1	26.2
117.5°	18.6	19.7	24.0	30.6	37.1	38.2	34.9	28.4	21.8	21.8	24.0
120°	18.6	19.7	22.9	28.4	33.8	34.9	31.7	25.1	19.7	19.7	21.8
122.5°	19.7	19.7	21.8	27.3	31.7	32.8	28.4	21.8	18.6	18.6	20.7
125°	19.7	19.7	21.8	25.1	29.5	29.5	26.2	19.7	16.4	16.4	19.7
127.5°	19.7	19.7	21.8	24.0	27.3	27.3	24.0	18.6	15.3	15.3	18.6
130°	19.7	20.7	20.7	22.9	25.1	25.1	21.8	16.4	15.3	15.3	17.5
132.5°	20.7	20.7	20.7	21.8	24.0	22.9	18.6	15.3	14.2	14.2	16.4
135°	19.7	19.7	19.7	20.7	21.8	20.7	16.4	13.1	13.1	14.2	15.3
137.5°	19.7	19.7	19.7	18.6	19.7	18.6	15.3	12.0	12.0	13.1	14.2
140°	17.5	18.6	17.5	17.5	17.5	16.4	13.1	9.8	10.9	12.0	12.0
142.5°	16.4	16.4	16.4	15.3	15.3	14.2	10.9	8.7	9.8	9.8	10.9
145°	15.3	15.3	14.2	13.1	13.1	10.9	8.7	7.6	8.7	8.7	9.8
147.5°	13.1	13.1	13.1	10.9	9.8	8.7	5.5	5.5	6.6	7.6	7.6
150°	10.9	10.9	10.9	9.8	7.6	6.6	4.4	5.5	5.5	5.5	6.6
152.5°	8.7	8.7	8.7	7.6	6.6	4.4	3.3	4.4	4.4	4.4	5.5
155°	5.5	5.5	5.5	5.5	4.4	2.2	3.3	3.3	4.4	4.4	4.4
157.5°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
160°	1.1	1.1	2.2	2.2	3.3	2.2	2.2	2.2	2.2	2.2	2.2
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°	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1
2.5°	254.4	251.1	245.6	240.2	234.7	229.3	224.9	223.8	220.5	220.5	219.4
5°	269.7	264.2	250.0	239.1	227.1	217.3	209.6	206.3	203.1	200.9	200.9
7.5°	297.0	284.9	264.2	245.6	229.3	215.1	205.2	199.8	195.4	193.2	193.2
10°	334.1	318.8	287.1	259.8	235.8	218.3	207.4	200.9	197.6	195.4	194.3
12.5°	388.7	366.8	321.0	281.7	251.1	229.3	215.1	210.7	211.8	211.8	211.8
15°	462.9	431.2	369.0	315.5	271.8	243.5	233.6	233.6	236.9	238.0	235.8
17.5°	559.0	516.4	429.1	349.4	298.0	268.6	257.7	257.7	263.1	266.4	266.4
20°	676.9	615.7	492.4	394.1	328.6	297.0	283.9	284.9	291.5	295.9	295.9
22.5°	812.3	740.2	573.2	440.0	362.5	322.1	307.9	309.0	319.9	325.3	327.5
25°	988.0	876.7	654.0	486.9	394.1	346.1	331.9	333.0	347.2	354.8	354.8
27.5°	1173.6	1028.4	735.8	532.8	421.4	367.9	353.7	357.0	372.3	378.8	381.0
30°	1371.2	1190.0	817.7	572.1	443.2	384.3	370.1	376.7	390.8	400.7	401.8
32.5°	1590.7	1348.3	883.2	603.7	461.8	398.5	384.3	394.1	406.1	417.0	418.1
35°	1819.9	1505.5	941.1	625.6	473.8	410.5	395.2	405.0	417.0	426.9	425.8
37.5°	2025.2	1634.3	979.3	634.3	480.4	417.0	402.9	412.7	423.6	431.2	431.2
40°	2227.2	1768.6	997.9	627.8	480.4	420.3	406.1	417.0	426.9	431.2	431.2
42.5°	2419.3	1868.0	994.6	614.7	478.2	421.4	408.3	418.1	426.9	429.1	429.1
45°	2585.2	1959.7	974.9	592.8	470.5	420.3	409.4	418.1	424.7	424.7	425.8
47.5°	2781.8	2031.7	946.5	569.9	461.8	418.1	407.2	417.0	422.5	422.5	421.4
50°	2958.6	2101.6	908.3	544.8	454.2	416.0	406.1	416.0	422.5	420.3	420.3
52.5°	3146.4	2163.8	869.0	521.9	446.5	414.9	406.1	416.0	422.5	421.4	422.5
55°	3320.0	2226.1	819.9	501.1	442.2	413.8	407.2	417.0	425.8	425.8	424.7
57.5°	3542.7	2258.8	781.7	486.9	437.8	413.8	408.3	419.2	430.1	431.2	432.3
60°	3699.9	2301.4	750.0	478.2	437.8	416.0	411.6	422.5	436.7	442.2	445.4
62.5°	3814.5	2299.2	711.8	473.8	438.9	418.1	414.9	425.8	444.3	452.0	456.3
65°	3874.6	2259.9	672.5	470.5	440.0	420.3	417.0	428.0	449.8	464.0	468.4
67.5°	3796.0	2154.0	632.1	465.1	438.9	419.2	418.1	430.1	453.1	471.6	473.8
70°	3604.9	1975.0	584.1	453.1	434.5	416.0	414.9	424.7	449.8	471.6	473.8
72.5°	3242.5	1747.9	528.4	435.6	424.7	408.3	405.0	414.9	438.9	460.7	460.7
75°	2757.7	1484.8	473.8	410.5	405.0	395.2	391.9	397.4	418.1	438.9	440.0
77.5°	2159.5	1182.4	416.0	375.6	381.0	373.4	370.1	373.4	391.9	406.1	407.2
80°	1643.1	900.7	360.3	334.1	347.2	345.0	341.7	340.6	353.7	364.6	361.4
82.5°	1133.2	640.9	298.0	290.4	304.6	307.9	306.8	299.1	309.0	317.7	312.2
85°	731.5	453.1	248.9	245.6	258.7	264.2	263.1	257.7	259.8	269.7	258.7
87.5°	472.7	325.3	205.2	203.1	214.0	220.5	220.5	209.6	214.0	223.8	211.8
90°	295.9	230.4	171.4	170.3	178.0	181.2	176.9	170.3	172.5	178.0	173.6
92.5°	209.6	173.6	143.0	143.0	145.2	147.4	145.2	137.6	141.9	141.9	141.9
95°	152.8	137.6	124.5	122.3	121.2	120.1	119.0	113.5	117.9	116.8	113.5
97.5°	116.8	110.3	105.9	104.8	102.6	101.5	100.4	96.1	99.3	97.2	95.0
100°	91.7	90.6	90.6	90.6	88.4	85.2	85.2	84.1	84.1	80.8	80.8
102.5°	73.1	73.1	77.5	78.6	76.4	74.2	74.2	73.1	72.1	67.7	66.6
105°	57.9	60.0	66.6	67.7	66.6	64.4	63.3	63.3	61.1	55.7	55.7
107.5°	46.9	49.1	56.8	59.0	57.9	56.8	55.7	54.6	52.4	46.9	46.9
110°	38.2	41.5	48.0	51.3	50.2	49.1	49.1	46.9	44.8	40.4	40.4



REPORT NUMBER: P413846

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.8	36.0	41.5	44.8	44.8	43.7	42.6	41.5	38.2	34.9	34.9
115°	28.4	31.7	37.1	39.3	39.3	38.2	37.1	36.0	32.8	30.6	31.7
117.5°	26.2	28.4	32.8	34.9	34.9	33.8	32.8	31.7	29.5	28.4	28.4
120°	24.0	26.2	29.5	31.7	31.7	30.6	29.5	28.4	26.2	26.2	26.2
122.5°	21.8	24.0	27.3	28.4	28.4	27.3	26.2	25.1	22.9	24.0	24.0
125°	20.7	21.8	24.0	26.2	26.2	25.1	24.0	21.8	20.7	21.8	21.8
127.5°	19.7	20.7	22.9	24.0	24.0	22.9	20.7	19.7	18.6	19.7	19.7
130°	18.6	19.7	20.7	21.8	21.8	19.7	18.6	17.5	17.5	18.6	18.6
132.5°	17.5	18.6	18.6	19.7	19.7	18.6	16.4	15.3	15.3	16.4	16.4
135°	16.4	16.4	17.5	17.5	17.5	16.4	14.2	13.1	14.2	15.3	15.3
137.5°	14.2	15.3	15.3	16.4	15.3	14.2	12.0	12.0	13.1	13.1	13.1
140°	13.1	13.1	14.2	14.2	13.1	12.0	10.9	9.8	10.9	12.0	12.0
142.5°	12.0	12.0	12.0	12.0	12.0	9.8	8.7	8.7	9.8	9.8	9.8
145°	9.8	9.8	10.9	9.8	9.8	7.6	6.6	7.6	8.7	8.7	8.7
147.5°	7.6	8.7	8.7	8.7	7.6	5.5	4.4	6.6	7.6	7.6	7.6
150°	6.6	6.6	6.6	6.6	6.6	4.4	3.3	5.5	6.6	6.6	6.6
152.5°	5.5	5.5	6.6	6.6	5.5	3.3	2.2	4.4	5.5	5.5	4.4
155°	4.4	4.4	5.5	5.5	4.4	2.2	2.2	3.3	4.4	4.4	3.3
157.5°	3.3	4.4	4.4	4.4	3.3	2.2	1.1	2.2	3.3	3.3	3.3
160°	3.3	3.3	3.3	4.4	3.3	2.2	1.1	2.2	3.3	2.2	2.2
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)