

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: P417149

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8454 lumens
Efficiency: N/A
Efficacy: 89.9 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 - G4

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

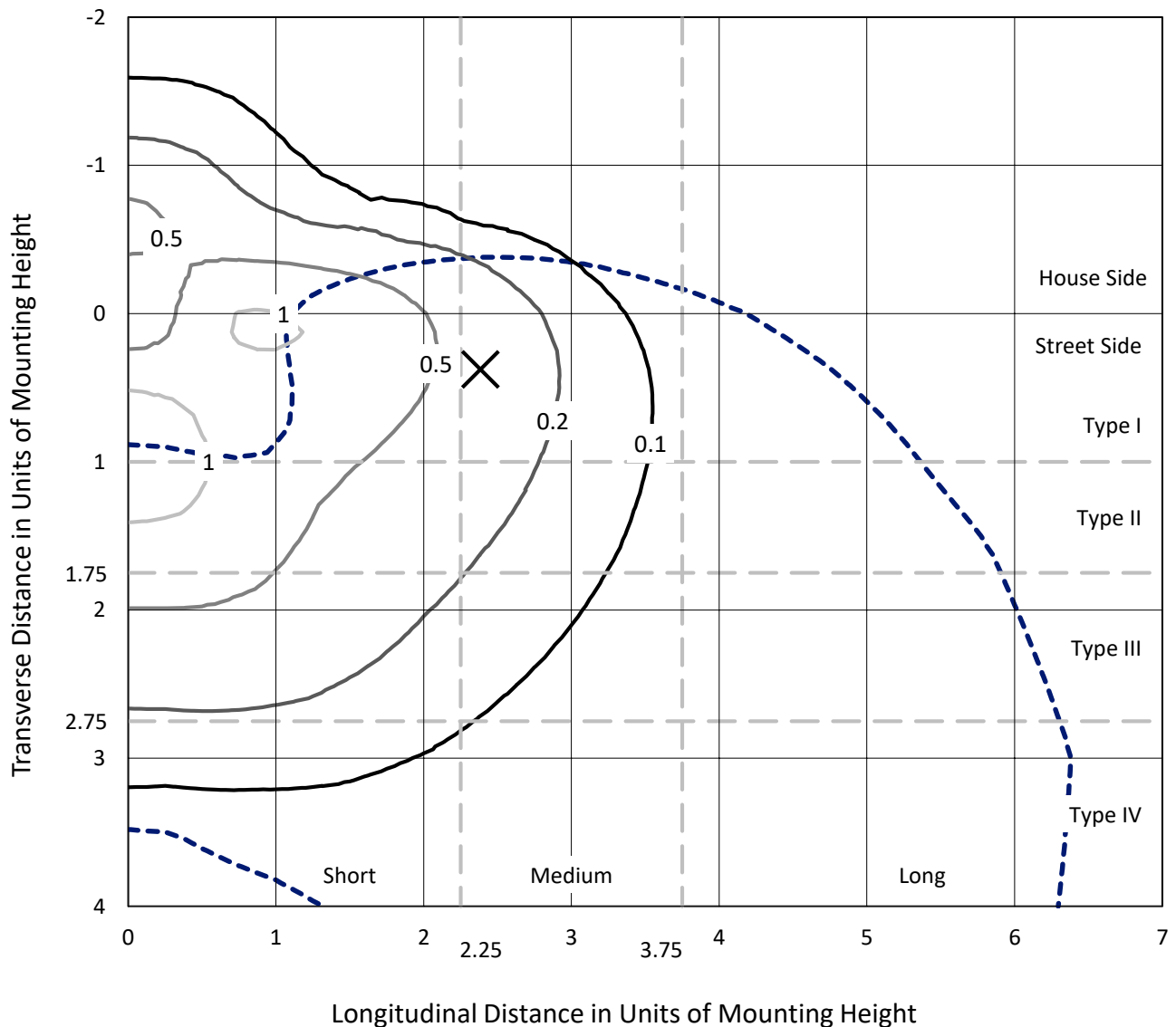


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

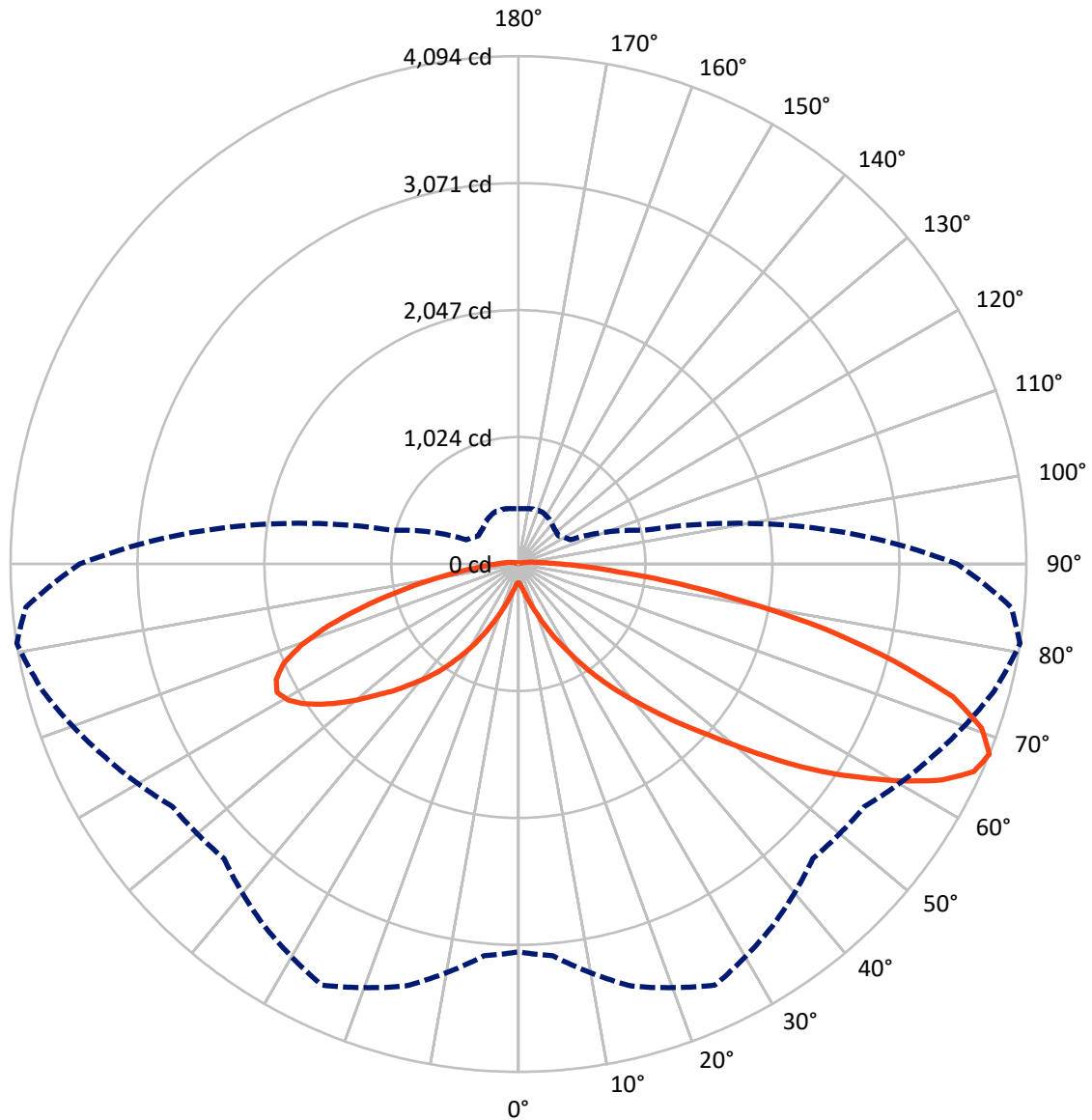


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.6	131.6	1982.2
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	6306.3	165.5	6471.8
	% Fixture	74.6	2.0	76.6
Total	Lumens	8156.9	297.1	8454.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.2
10°-20°	87.3	1.0
20°-30°	260.3	3.1
30°-40°	565.2	6.7
40°-50°	991.0	11.7
50°-60°	1570.5	18.6
60°-70°	2119.3	25.1
70°-80°	1818.4	21.5
80°-90°	727.5	8.6
90°-100°	177.0	2.1
100°-110°	62.2	0.7
110°-120°	28.5	0.3
120°-130°	15.4	0.2
130°-140°	8.6	0.1
140°-150°	4.0	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8156.9	96.5
0°-180°	8454.0	100.0



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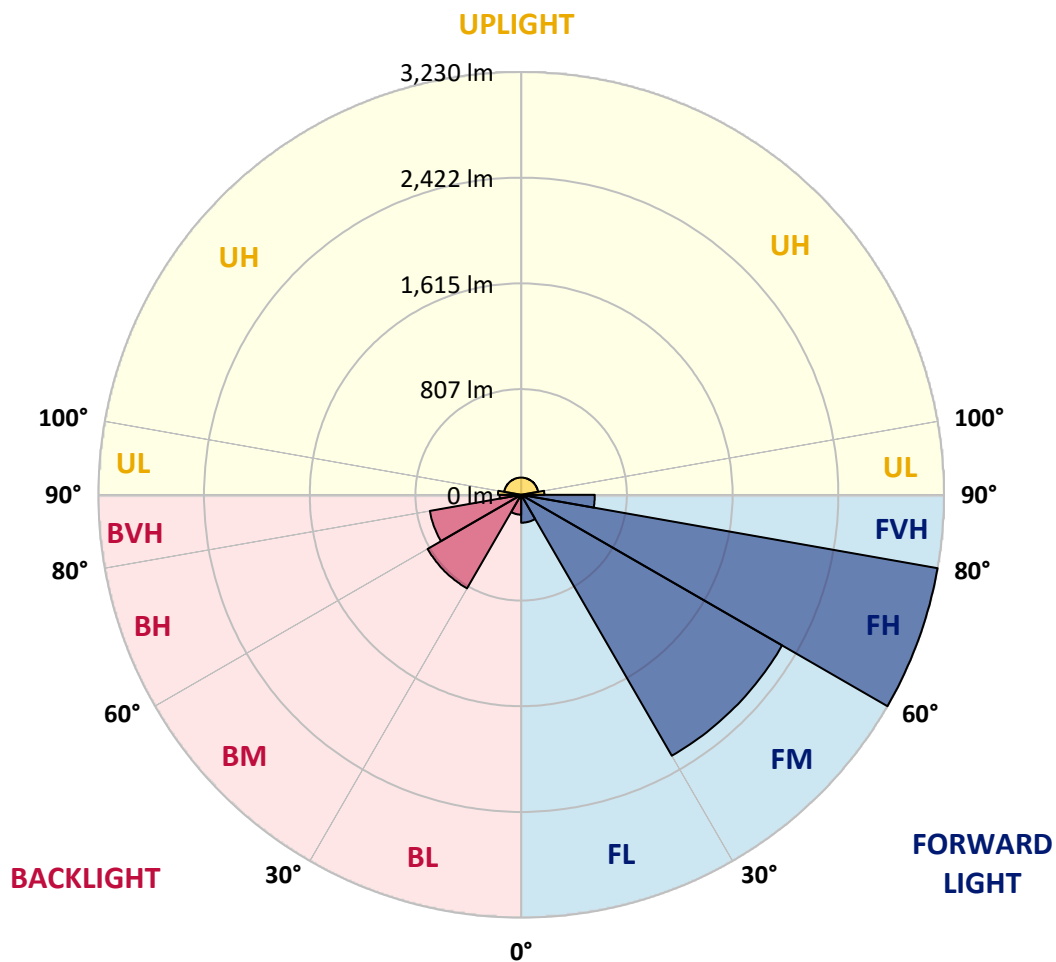
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.3	2.5			
FM	(30°-60°)	2301.1	27.2			
FH	(60°-80°)	3229.6	38.2			G2/5000
FVH	(80°-90°)	562.3	6.7			G4/750
BL	(0°-30°)	151.8	1.8	B1/500		
BM	(30°-60°)	825.5	9.8	B1/1000		
BH	(60°-80°)	708.0	8.4	B2/1000		G2/1000
BVH	(80°-90°)	165.2	2.0			G2/225
UL	(90°-100°)	177.0	2.1		U3/500	
UH	(100°-180°)	131.6	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2
2.5°	165.9	165.0	165.0	165.9	165.9	165.9	163.0	160.0	157.1	156.1	155.1
5°	188.5	186.6	186.6	186.6	185.6	182.6	178.7	174.8	170.8	168.9	166.9
7.5°	218.0	217.0	216.0	213.1	212.1	207.2	201.3	195.4	189.5	187.5	185.6
10°	258.2	257.2	252.3	251.4	246.4	241.5	232.7	223.9	216.0	213.1	210.1
12.5°	309.3	309.3	302.4	294.6	288.7	278.8	271.0	260.2	254.3	250.4	246.4
15°	376.0	372.1	363.3	354.4	338.7	327.0	315.2	309.3	305.4	300.4	294.6
17.5°	449.7	444.8	436.9	419.3	398.6	381.9	371.1	365.2	363.3	360.3	353.5
20°	538.1	532.2	521.4	493.9	471.3	448.7	435.9	433.0	435.0	430.1	423.2
22.5°	643.1	639.2	616.6	582.2	550.8	519.4	507.6	509.6	513.5	520.4	516.5
25°	762.9	753.1	731.5	682.4	630.3	599.9	588.1	597.0	614.6	624.5	616.6
27.5°	902.3	896.4	853.2	789.4	721.7	680.4	671.6	697.1	727.6	735.4	735.4
30°	1049.6	1053.5	990.7	915.1	829.7	772.7	761.9	798.2	850.3	855.2	868.0
32.5°	1236.2	1229.3	1163.5	1039.8	938.7	865.0	858.1	909.2	975.0	1000.5	1000.5
35°	1431.5	1424.7	1344.2	1197.9	1057.5	962.2	967.1	1021.1	1110.5	1142.9	1147.8
37.5°	1656.4	1633.8	1546.4	1364.8	1187.1	1075.1	1066.3	1147.8	1252.8	1299.0	1299.0
40°	1903.8	1891.0	1769.3	1554.3	1319.6	1192.0	1185.1	1279.4	1407.0	1458.1	1467.9
42.5°	2144.4	2127.7	2014.8	1737.9	1472.8	1315.7	1316.7	1419.8	1566.1	1636.7	1649.5
45°	2398.7	2383.0	2259.2	1963.7	1638.7	1468.9	1457.1	1585.7	1760.5	1839.0	1853.7
47.5°	2624.5	2613.7	2506.7	2188.5	1844.9	1632.8	1617.1	1765.4	1967.6	2055.0	2099.2
50°	2870.0	2856.2	2756.1	2428.1	2050.1	1807.6	1806.6	1965.7	2219.0	2325.0	2361.4
52.5°	3069.3	3053.6	2983.8	2668.7	2253.4	2011.8	1995.1	2190.5	2479.2	2631.4	2649.0
55°	3252.9	3247.0	3223.4	2926.9	2500.8	2212.1	2222.9	2454.6	2775.7	2947.5	2974.0
57.5°	3385.4	3393.3	3404.1	3186.1	2743.3	2436.0	2455.6	2719.7	3084.0	3244.0	3280.4
60°	3475.8	3503.2	3574.9	3411.9	2990.7	2680.5	2713.8	2981.9	3380.5	3551.4	3580.8
62.5°	3482.6	3512.1	3679.0	3623.0	3228.3	2930.8	2969.1	3251.9	3645.6	3835.1	3838.1
65°	3352.0	3392.3	3659.4	3736.9	3437.5	3170.4	3204.8	3492.4	3867.5	4035.4	3974.5
67.5°	3127.2	3169.4	3522.9	3746.7	3567.1	3357.0	3406.0	3679.0	3967.7	4094.3	3986.3
70°	2801.2	2842.5	3214.6	3598.5	3590.6	3466.9	3531.7	3755.6	3949.0	3961.8	3809.6
72.5°	2373.1	2369.2	2770.8	3274.5	3460.0	3458.1	3561.2	3697.7	3735.9	3664.3	3438.4
75°	1817.4	1868.5	2234.7	2806.1	3162.5	3302.0	3406.0	3458.1	3348.1	3126.2	2881.7
77.5°	1301.9	1344.2	1677.0	2212.1	2720.7	2978.0	3092.8	3068.3	2795.3	2535.1	2254.3
80°	862.1	886.6	1164.5	1651.5	2193.5	2491.9	2630.4	2536.1	2189.5	1856.7	1614.2
82.5°	517.4	557.7	732.5	1160.5	1626.9	1969.6	2054.0	1896.9	1563.1	1292.1	1114.4
85°	313.2	322.0	455.6	742.3	1136.0	1416.8	1497.3	1328.4	1028.0	807.1	669.6
87.5°	175.8	191.5	281.8	483.1	763.9	983.8	1012.3	874.8	645.1	500.7	419.3
90°	103.1	113.9	172.8	299.5	487.0	636.2	644.1	529.2	381.9	301.4	268.0
92.5°	65.8	73.6	114.9	192.4	313.2	413.4	402.6	327.0	244.5	201.3	173.8
95°	47.1	51.1	80.5	132.6	210.1	260.2	256.3	205.2	164.0	140.4	127.6
97.5°	35.3	39.3	62.8	97.2	141.4	174.8	170.8	136.5	113.9	103.1	98.2
100°	29.5	31.4	51.1	76.6	105.1	125.7	123.7	101.1	85.4	77.6	75.6
102.5°	25.5	27.5	42.2	61.9	83.5	97.2	93.3	78.5	64.8	57.9	56.0
105°	22.6	23.6	36.3	53.0	68.7	76.6	75.6	62.8	50.1	43.2	42.2
107.5°	20.6	21.6	31.4	45.2	57.9	64.8	62.8	51.1	38.3	33.4	32.4
110°	18.7	19.6	27.5	39.3	49.1	55.0	52.0	42.2	30.4	25.5	25.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	17.7	17.7	24.5	33.4	42.2	47.1	44.2	34.4	23.6	20.6	21.6
115°	16.7	16.7	21.6	29.5	37.3	41.2	37.3	28.5	19.6	17.7	17.7
117.5°	15.7	15.7	19.6	26.5	33.4	36.3	32.4	24.5	16.7	14.7	15.7
120°	14.7	15.7	18.7	23.6	29.5	31.4	28.5	20.6	13.7	13.7	14.7
122.5°	14.7	14.7	17.7	21.6	26.5	27.5	24.5	17.7	12.8	12.8	12.8
125°	14.7	14.7	16.7	19.6	23.6	24.5	20.6	14.7	11.8	11.8	11.8
127.5°	14.7	14.7	15.7	18.7	20.6	21.6	18.7	13.7	10.8	10.8	11.8
130°	13.7	14.7	14.7	16.7	18.7	18.7	15.7	11.8	9.8	9.8	10.8
132.5°	13.7	13.7	14.7	15.7	16.7	16.7	13.7	10.8	8.8	9.8	9.8
135°	13.7	13.7	13.7	14.7	15.7	14.7	11.8	8.8	7.9	8.8	8.8
137.5°	12.8	12.8	12.8	13.7	13.7	12.8	10.8	7.9	7.9	7.9	7.9
140°	11.8	11.8	11.8	11.8	12.8	11.8	8.8	6.9	6.9	6.9	6.9
142.5°	10.8	10.8	10.8	10.8	10.8	9.8	7.9	5.9	5.9	5.9	5.9
145°	9.8	9.8	9.8	9.8	8.8	7.9	5.9	4.9	4.9	5.9	5.9
147.5°	7.9	7.9	7.9	7.9	7.9	6.9	4.9	3.9	4.9	4.9	4.9
150°	6.9	6.9	6.9	6.9	5.9	5.9	3.9	3.9	3.9	4.9	4.9
152.5°	4.9	4.9	4.9	5.9	4.9	3.9	2.9	2.9	3.9	3.9	3.9
155°	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.9	3.9	3.9	3.9
157.5°	2.0	2.9	2.9	2.9	2.9	2.9	2.0	2.9	2.9	2.9	2.9
160°	1.0	1.0	2.0	2.0	2.9	2.9	2.0	2.0	2.9	2.9	2.9
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°	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2
2.5°	155.1	154.2	153.2	152.2	151.2	151.2	150.2	149.2	148.3	147.3	147.3
5°	165.9	164.0	161.0	159.1	157.1	157.1	155.1	154.2	152.2	151.2	151.2
7.5°	182.6	181.6	175.8	172.8	169.9	168.9	166.9	165.0	163.0	163.0	163.0
10°	207.2	204.2	199.3	191.5	188.5	186.6	183.6	181.6	181.6	182.6	182.6
12.5°	244.5	236.6	229.8	219.0	213.1	209.1	207.2	208.2	213.1	215.0	213.1
15°	287.7	285.7	269.0	253.3	241.5	233.7	238.6	244.5	251.4	253.3	256.3
17.5°	347.6	340.7	318.1	295.5	273.9	270.0	275.9	285.7	293.6	299.5	304.4
20°	419.3	407.5	380.0	340.7	316.2	310.3	314.2	327.9	342.7	354.4	355.4
22.5°	509.6	491.9	442.8	393.7	357.4	347.6	352.5	374.1	395.7	410.4	409.4
25°	607.8	586.2	520.4	449.7	399.6	381.9	390.8	419.3	449.7	467.4	469.3
27.5°	717.7	696.1	604.8	503.7	437.9	411.4	426.1	458.5	499.8	521.4	525.3
30°	847.3	817.9	689.3	561.6	473.3	438.9	452.6	494.9	540.0	570.5	574.4
32.5°	981.9	935.7	773.7	608.7	497.8	456.6	472.3	521.4	573.4	606.8	612.7
35°	1121.3	1064.3	859.1	649.0	515.5	467.4	483.1	538.1	593.0	629.4	634.3
37.5°	1278.4	1202.8	936.7	679.4	525.3	470.3	486.0	541.0	597.0	632.3	637.2
40°	1436.5	1335.3	1001.5	698.1	526.3	467.4	480.1	533.1	586.2	616.6	621.5
42.5°	1606.3	1474.7	1066.3	703.0	521.4	459.5	470.3	517.4	562.6	586.2	589.1
45°	1796.8	1635.8	1121.3	699.1	507.6	447.7	455.6	495.8	531.2	542.0	546.9
47.5°	1998.1	1794.8	1163.5	687.3	493.9	435.0	439.9	473.3	495.8	496.8	497.8
50°	2243.5	1988.3	1215.5	670.6	475.2	423.2	426.1	452.6	463.4	458.5	456.6
52.5°	2512.6	2195.4	1248.9	644.1	458.5	412.4	415.3	435.9	439.9	429.1	430.1
55°	2805.2	2388.8	1277.4	618.6	440.9	405.5	411.4	428.1	428.1	414.3	413.4
57.5°	3078.1	2586.2	1290.2	586.2	426.1	400.6	410.4	427.1	425.1	412.4	411.4
60°	3342.2	2747.2	1274.4	554.7	416.3	398.6	416.3	434.0	432.0	421.2	420.2
62.5°	3524.9	2848.4	1235.2	523.3	407.5	401.6	423.2	443.8	443.8	432.0	432.0
65°	3603.4	2836.6	1154.7	491.9	400.6	403.5	433.0	454.6	452.6	442.8	440.9
67.5°	3537.6	2729.6	1046.7	461.5	394.7	405.5	437.9	460.5	458.5	447.7	445.8
70°	3326.5	2504.7	916.1	434.0	386.8	402.6	439.9	459.5	456.6	446.7	442.8
72.5°	2906.3	2155.2	779.6	407.5	375.1	395.7	434.0	451.7	448.7	440.9	435.9
75°	2393.8	1737.9	644.1	378.0	360.3	382.9	421.2	436.9	433.0	426.1	421.2
77.5°	1830.2	1312.7	532.2	350.5	342.7	366.2	403.5	415.3	411.4	405.5	402.6
80°	1295.1	934.7	428.1	320.1	317.1	340.7	372.1	384.9	382.9	377.0	372.1
82.5°	852.2	621.5	341.7	285.7	287.7	312.2	335.8	342.7	341.7	336.8	330.9
85°	525.3	409.4	269.0	246.4	255.3	274.9	294.6	295.5	292.6	291.6	282.8
87.5°	334.8	279.8	211.1	209.1	221.9	238.6	247.4	243.5	245.5	245.5	238.6
90°	218.0	196.4	168.9	174.8	188.5	201.3	205.2	194.4	200.3	197.4	194.4
92.5°	158.1	146.3	137.5	145.3	159.1	170.8	168.9	157.1	160.0	160.0	159.1
95°	119.8	113.9	114.9	122.7	133.5	141.4	137.5	127.6	128.6	126.7	123.7
97.5°	94.3	93.3	97.2	103.1	112.9	117.8	113.9	105.1	104.1	101.1	100.1
100°	74.6	75.6	81.5	88.4	94.3	98.2	95.2	86.4	82.5	77.6	76.6
102.5°	57.9	59.9	67.7	73.6	79.5	82.5	79.5	72.7	65.8	60.9	59.9
105°	45.2	47.1	56.0	61.9	66.8	68.7	66.8	58.9	52.0	46.1	46.1
107.5°	35.3	37.3	46.1	53.0	56.0	57.9	55.0	49.1	41.2	36.3	36.3
110°	28.5	30.4	38.3	44.2	47.1	49.1	46.1	39.3	33.4	29.5	29.5



REPORT NUMBER: P417149

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	25.5	31.4	37.3	40.3	41.2	38.3	33.4	26.5	24.5	24.5
115°	19.6	21.6	26.5	31.4	34.4	34.4	32.4	27.5	21.6	20.6	20.6
117.5°	16.7	18.7	22.6	27.5	29.5	29.5	27.5	22.6	18.7	17.7	17.7
120°	15.7	16.7	19.6	23.6	25.5	25.5	23.6	19.6	15.7	15.7	15.7
122.5°	13.7	14.7	17.7	20.6	22.6	22.6	20.6	16.7	13.7	14.7	14.7
125°	12.8	13.7	15.7	17.7	19.6	19.6	17.7	14.7	12.8	12.8	12.8
127.5°	11.8	12.8	13.7	15.7	16.7	16.7	15.7	12.8	11.8	11.8	11.8
130°	10.8	11.8	12.8	13.7	14.7	14.7	12.8	10.8	10.8	10.8	10.8
132.5°	10.8	10.8	10.8	11.8	12.8	12.8	11.8	9.8	9.8	9.8	9.8
135°	9.8	9.8	9.8	9.8	10.8	10.8	9.8	8.8	8.8	8.8	8.8
137.5°	8.8	8.8	8.8	8.8	9.8	9.8	8.8	7.9	7.9	7.9	7.9
140°	7.9	7.9	7.9	6.9	7.9	7.9	6.9	6.9	6.9	6.9	6.9
142.5°	5.9	6.9	5.9	5.9	5.9	5.9	5.9	4.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	4.9	4.9	4.9	4.9	3.9	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	3.9	2.9	3.9	2.9	3.9	3.9	3.9	3.9
150°	4.9	4.9	3.9	3.9	2.9	2.0	2.0	2.9	2.9	2.9	2.9
152.5°	3.9	3.9	3.9	2.9	2.0	1.0	1.0	2.0	2.0	2.0	2.0
155°	3.9	3.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	2.9	2.9	2.9	2.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.0	1.0	1.0	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)