

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: P416697

Luminaire Tested: **LXF.LXT-PA1-80-730-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416697
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-PA1-80-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7746 lumens
Efficiency: N/A
Efficacy: 93.3 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

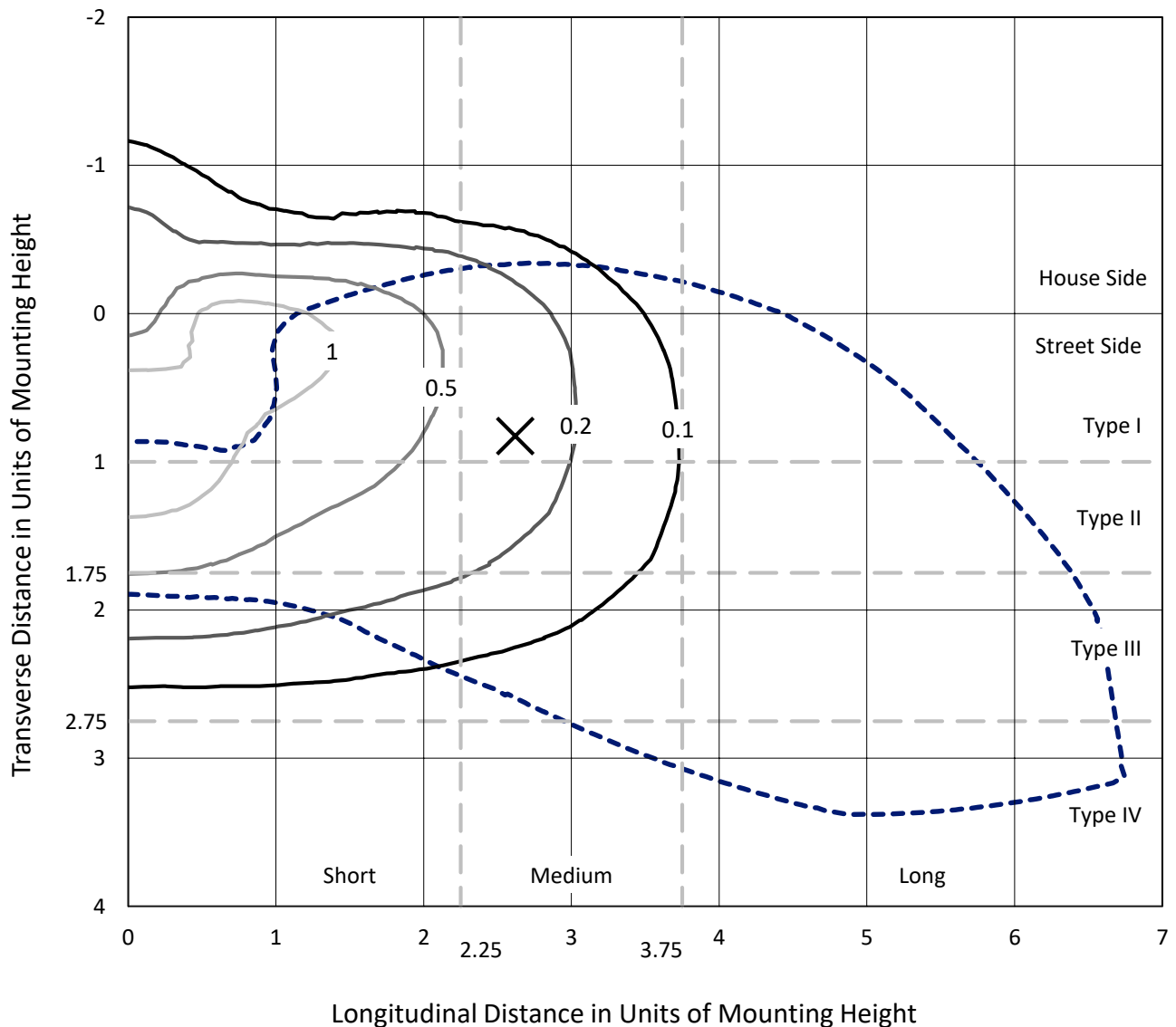
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

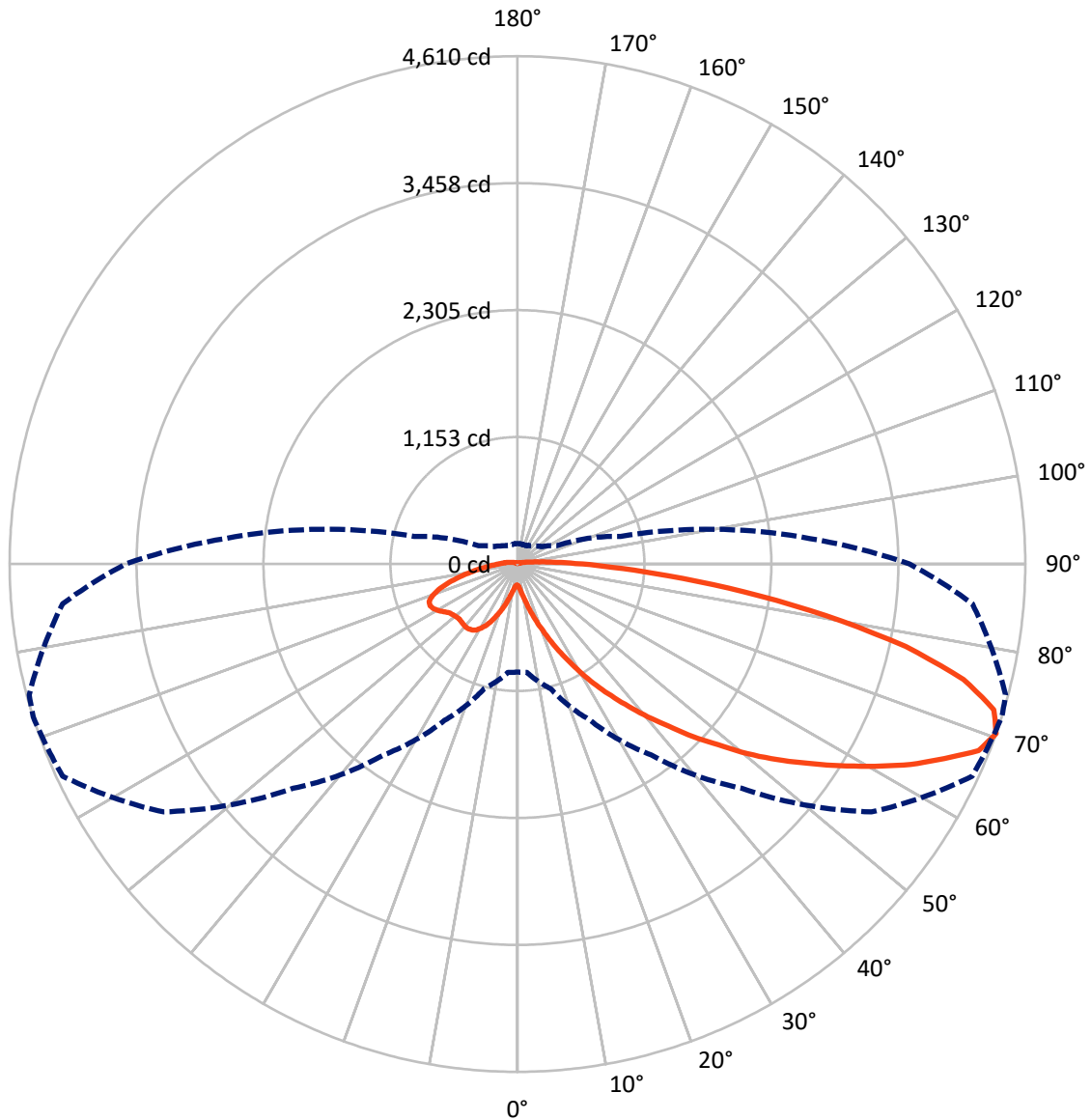
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1392.5	126.3	1518.8
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	6081.3	145.9	6227.2
	% Fixture	78.5	1.9	80.4
Total	Lumens	7473.8	272.2	7746.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.3
10°-20°	104.8	1.4
20°-30°	292.6	3.8
30°-40°	606.7	7.8
40°-50°	1047.9	13.5
50°-60°	1547.5	20.0
60°-70°	1826.6	23.6
70°-80°	1449.6	18.7
80°-90°	576.3	7.4
90°-100°	152.3	2.0
100°-110°	58.8	0.8
110°-120°	28.6	0.4
120°-130°	16.2	0.2
130°-140°	9.6	0.1
140°-150°	4.5	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7473.8	96.5
0°-180°	7746.0	100.0

Coefficient of Utilization



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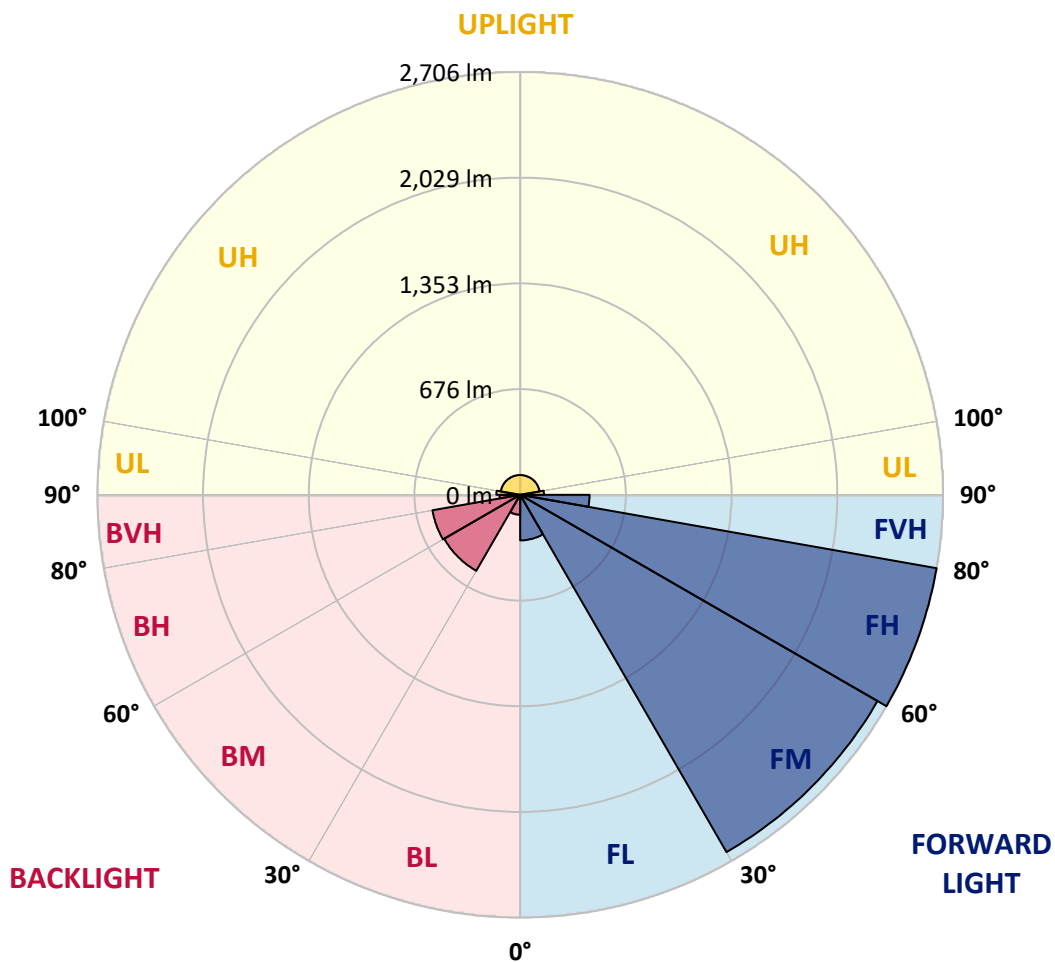
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.5	3.8			
FM	(30°-60°)	2640.2	34.1			
FH	(60°-80°)	2705.8	34.9			G2/5000
FVH	(80°-90°)	443.8	5.7			G3/500
BL	(0°-30°)	127.7	1.6	B1/500		
BM	(30°-60°)	561.9	7.3	B1/1000		
BH	(60°-80°)	570.3	7.4	B2/1000		G2/1000
BVH	(80°-90°)	132.5	1.7			G2/225
UL	(90°-100°)	152.3	2.0		U3/500	
UH	(100°-180°)	126.3	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°	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0
2.5°	217.7	218.6	217.7	217.7	215.9	214.9	209.5	205.8	203.1	201.3	198.5
5°	252.3	254.1	253.2	253.2	248.6	245.9	239.5	232.2	226.8	225.9	217.7
7.5°	298.7	297.8	294.2	293.3	291.4	286.9	277.8	266.9	261.4	259.6	247.7
10°	356.1	351.6	353.4	347.0	343.4	336.1	327.9	319.7	308.8	308.8	292.4
12.5°	413.5	423.5	420.8	411.7	404.4	392.5	382.5	379.8	367.0	368.9	353.4
15°	507.3	506.4	498.2	491.8	477.2	462.7	453.6	447.2	443.5	440.8	423.5
17.5°	606.6	601.1	594.7	575.6	554.7	541.9	533.7	527.3	531.9	531.0	510.0
20°	721.3	715.0	705.9	671.2	643.9	623.9	619.3	626.6	629.3	636.6	615.7
22.5°	848.8	846.1	824.3	785.1	738.6	712.2	707.7	725.0	745.9	749.6	735.0
25°	1001.9	998.2	968.2	911.7	850.7	810.6	810.6	837.9	872.5	880.7	873.4
27.5°	1165.8	1156.7	1117.5	1048.3	964.5	912.6	906.2	955.4	1003.7	1027.4	1018.3
30°	1354.3	1352.5	1287.8	1203.1	1103.0	1020.1	1017.3	1089.3	1157.6	1168.5	1170.4
32.5°	1548.3	1563.8	1489.1	1362.5	1241.4	1143.9	1139.4	1220.4	1315.2	1334.3	1334.3
35°	1772.4	1773.3	1681.3	1555.6	1389.8	1278.7	1266.0	1362.5	1468.2	1494.6	1509.2
37.5°	1998.3	1992.8	1909.9	1736.9	1551.1	1417.2	1405.3	1519.2	1639.4	1682.2	1679.5
40°	2220.5	2236.0	2131.2	1940.0	1715.9	1580.2	1551.1	1684.9	1823.4	1871.7	1852.5
42.5°	2460.0	2456.4	2362.6	2149.4	1899.9	1737.8	1720.5	1858.9	2012.8	2067.5	2050.2
45°	2669.5	2667.7	2565.7	2352.5	2075.7	1919.9	1896.2	2042.9	2236.0	2287.0	2251.4
47.5°	2862.6	2858.0	2752.4	2535.6	2229.6	2093.9	2095.7	2246.0	2450.9	2534.7	2480.1
50°	3011.9	2996.5	2930.0	2695.9	2396.3	2276.9	2311.6	2488.2	2706.8	2782.4	2723.2
52.5°	3092.1	3068.4	3016.5	2807.9	2553.8	2458.2	2524.7	2734.2	2950.0	3022.0	2957.3
55°	3053.8	3053.8	3024.7	2876.2	2665.9	2624.0	2757.8	2969.1	3194.1	3273.3	3216.0
57.5°	2899.9	2923.6	2937.3	2858.0	2743.3	2787.9	3000.1	3236.9	3452.8	3540.2	3464.6
60°	2630.3	2636.7	2736.9	2759.7	2774.2	2927.2	3251.5	3533.8	3727.8	3797.0	3711.4
62.5°	2248.7	2278.8	2400.8	2569.3	2728.7	3042.9	3515.6	3832.6	4007.4	4053.9	3929.1
65°	1824.3	1817.0	2042.9	2295.2	2603.0	3076.6	3728.7	4122.2	4257.9	4319.8	4103.1
67.5°	1383.5	1378.9	1587.5	1957.3	2389.9	3041.1	3901.8	4368.1	4517.5	4519.3	4212.4
70°	980.9	988.2	1173.1	1565.6	2114.8	2879.0	3922.7	4555.7	4610.4	4588.5	4145.9
72.5°	665.8	671.2	847.0	1199.5	1750.5	2616.7	3747.9	4535.7	4522.9	4461.9	3872.6
75°	429.0	465.4	595.6	911.7	1417.2	2238.7	3408.1	4248.8	4182.3	4081.2	3398.1
77.5°	296.0	314.2	414.4	664.0	1107.5	1848.9	2926.3	3672.3	3603.0	3479.2	2739.6
80°	200.4	208.6	285.1	496.4	871.6	1453.6	2384.4	2956.4	2837.1	2709.6	2054.7
82.5°	133.9	149.4	204.9	356.1	659.4	1122.1	1813.4	2257.8	2068.4	1958.2	1443.6
85°	89.3	97.5	145.7	258.7	477.2	817.0	1305.1	1533.8	1367.1	1269.6	922.6
87.5°	60.1	67.4	103.8	184.9	353.4	593.8	874.3	990.9	857.0	796.0	558.3
90°	40.1	44.6	76.5	133.0	249.6	414.4	590.2	612.0	525.5	488.2	341.5
92.5°	28.2	32.8	57.4	98.4	174.9	287.8	378.9	370.7	309.7	291.4	220.4
95°	21.9	25.5	44.6	75.6	127.5	197.6	246.8	225.9	195.8	189.4	152.1
97.5°	19.1	20.9	37.3	61.0	96.5	140.3	160.3	153.0	132.1	128.4	111.1
100°	17.3	19.1	32.8	52.8	77.4	102.9	114.8	106.6	95.6	92.9	82.0
102.5°	16.4	17.3	29.1	45.5	63.8	81.1	88.3	79.2	71.0	70.1	62.8
105°	15.5	16.4	25.5	39.2	53.7	66.5	69.2	61.9	55.6	52.8	47.4
107.5°	14.6	14.6	22.8	34.6	46.4	55.6	57.4	50.1	42.8	41.0	37.3
110°	13.7	14.6	20.9	31.0	41.0	48.3	48.3	41.0	33.7	31.9	30.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.7	13.7	19.1	27.3	36.4	41.9	41.0	33.7	27.3	24.6	24.6
115°	12.8	13.7	18.2	25.5	32.8	36.4	34.6	28.2	21.9	20.0	20.9
117.5°	12.8	13.7	16.4	22.8	29.1	31.9	30.1	23.7	18.2	17.3	19.1
120°	12.8	13.7	16.4	20.9	25.5	28.2	26.4	20.0	16.4	15.5	17.3
122.5°	13.7	13.7	15.5	19.1	23.7	25.5	22.8	17.3	14.6	13.7	15.5
125°	13.7	13.7	15.5	18.2	21.9	22.8	20.0	15.5	12.8	12.8	14.6
127.5°	13.7	13.7	15.5	17.3	20.0	20.0	18.2	13.7	11.8	11.8	13.7
130°	13.7	13.7	14.6	16.4	18.2	18.2	15.5	11.8	10.9	10.9	12.8
132.5°	14.6	14.6	14.6	15.5	16.4	16.4	13.7	10.9	10.0	10.0	12.8
135°	13.7	13.7	13.7	14.6	14.6	14.6	11.8	10.0	9.1	10.0	11.8
137.5°	12.8	12.8	13.7	13.7	13.7	12.8	10.0	8.2	8.2	9.1	10.9
140°	12.8	11.8	12.8	12.8	11.8	10.9	9.1	7.3	7.3	8.2	9.1
142.5°	10.9	10.9	10.9	10.9	10.0	9.1	7.3	6.4	7.3	7.3	8.2
145°	10.0	10.0	10.0	9.1	9.1	7.3	5.5	5.5	5.5	6.4	7.3
147.5°	8.2	8.2	8.2	8.2	7.3	6.4	3.6	4.6	4.6	4.6	5.5
150°	6.4	6.4	7.3	6.4	5.5	4.6	2.7	3.6	4.6	4.6	4.6
152.5°	5.5	5.5	5.5	5.5	4.6	2.7	2.7	3.6	3.6	3.6	4.6
155°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	2.7	3.6	3.6	3.6
157.5°	1.8	1.8	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	1.8	2.7	1.8	1.8	1.8	1.8	1.8	2.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0	194.0
2.5°	196.7	194.9	191.3	187.6	184.9	182.2	180.3	177.6	175.8	175.8	175.8
5°	212.2	210.4	201.3	192.2	184.0	176.7	171.2	164.9	162.1	159.4	160.3
7.5°	243.2	236.8	222.2	206.7	193.1	178.5	167.6	158.5	153.0	149.4	149.4
10°	285.1	275.1	253.2	229.5	206.7	185.8	169.4	156.7	147.5	143.9	143.9
12.5°	338.8	328.8	295.1	259.6	225.0	194.9	174.0	157.6	147.5	143.0	143.0
15°	410.8	393.5	347.9	296.9	246.8	205.8	178.5	164.9	158.5	155.7	155.7
17.5°	496.4	470.9	411.7	335.2	268.7	216.8	190.4	177.6	172.1	171.2	171.2
20°	596.6	564.7	475.4	373.4	286.0	230.4	200.4	189.4	187.6	188.5	188.5
22.5°	710.4	664.0	541.0	408.0	302.4	238.6	207.7	198.5	200.4	204.9	204.0
25°	830.6	781.4	613.0	439.0	313.3	242.3	212.2	206.7	214.0	219.5	219.5
27.5°	970.9	894.4	678.5	460.9	316.0	239.5	213.1	210.4	220.4	228.6	230.4
30°	1113.9	1015.5	735.0	474.5	310.6	233.2	209.5	211.3	223.1	234.1	235.0
32.5°	1258.7	1130.3	781.4	477.2	301.5	225.0	205.8	209.5	222.2	234.1	235.9
35°	1402.6	1237.7	812.4	467.2	286.9	216.8	199.5	205.8	218.6	232.2	234.1
37.5°	1543.8	1339.8	831.5	450.8	272.3	209.5	194.9	201.3	214.0	229.5	231.3
40°	1697.7	1449.1	842.5	431.7	257.8	203.1	192.2	198.5	211.3	225.9	228.6
42.5°	1838.9	1549.2	843.4	408.0	246.8	200.4	190.4	195.8	207.7	223.1	225.9
45°	2022.8	1652.2	843.4	388.0	239.5	199.5	190.4	194.9	205.8	222.2	225.9
47.5°	2196.8	1770.6	845.2	370.7	235.9	201.3	192.2	194.0	203.1	222.2	225.9
50°	2399.0	1884.4	859.8	357.9	235.0	204.9	194.9	193.1	200.4	220.4	225.0
52.5°	2600.3	2034.7	878.0	348.8	236.8	208.6	196.7	193.1	197.6	215.9	221.3
55°	2820.7	2177.7	898.0	349.7	240.4	212.2	199.5	192.2	194.0	208.6	214.0
57.5°	3041.1	2345.3	941.7	355.2	245.0	216.8	202.2	192.2	189.4	200.4	204.9
60°	3234.2	2492.8	987.3	367.0	251.4	221.3	204.0	191.3	185.8	192.2	195.8
62.5°	3438.2	2654.0	1023.7	377.1	258.7	225.0	204.0	190.4	183.1	187.6	189.4
65°	3571.2	2749.6	1042.8	389.8	265.9	227.7	204.9	188.5	182.2	184.9	186.7
67.5°	3639.5	2765.1	1030.1	394.4	272.3	229.5	204.0	186.7	183.1	184.9	186.7
70°	3558.4	2662.2	969.1	391.6	274.1	229.5	202.2	184.9	183.1	185.8	186.7
72.5°	3265.1	2414.5	878.9	378.0	271.4	225.9	199.5	182.2	182.2	186.7	186.7
75°	2811.6	2058.4	760.5	357.0	264.1	220.4	194.0	177.6	179.4	185.8	185.8
77.5°	2251.4	1628.5	626.6	327.0	250.5	211.3	186.7	171.2	175.8	183.1	182.2
80°	1675.8	1213.2	504.6	293.3	232.2	198.5	176.7	163.9	170.3	176.7	174.9
82.5°	1116.6	851.6	398.9	257.8	213.1	185.8	165.8	153.9	162.1	168.5	165.8
85°	725.0	567.4	308.8	222.2	193.1	171.2	152.1	143.0	151.2	156.7	153.9
87.5°	451.7	380.7	235.0	189.4	172.1	154.8	140.3	130.2	138.4	143.9	140.3
90°	298.7	255.0	184.9	163.9	153.0	139.3	125.7	118.4	126.6	128.4	125.7
92.5°	196.7	180.3	150.3	140.3	134.8	123.9	113.8	107.5	113.8	114.8	112.9
95°	141.2	136.6	123.9	122.0	119.3	110.2	102.0	96.5	100.2	101.1	97.5
97.5°	107.5	106.6	105.7	105.7	103.8	97.5	90.2	85.6	87.4	86.5	83.8
100°	83.8	85.6	88.3	90.2	89.3	84.7	79.2	75.6	76.5	72.9	70.1
102.5°	65.6	69.2	73.8	76.5	76.5	72.9	70.1	66.5	63.8	59.2	58.3
105°	51.9	54.6	61.0	65.6	65.6	63.8	61.0	56.5	53.7	48.3	48.3
107.5°	41.0	44.6	51.9	55.6	56.5	54.6	52.8	49.2	44.6	39.2	39.2
110°	32.8	35.5	43.7	47.4	48.3	47.4	45.5	41.0	36.4	32.8	32.8



REPORT NUMBER: P416697

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.3	30.1	36.4	40.1	41.9	41.0	39.2	34.6	30.1	27.3	27.3
115°	23.7	26.4	31.0	34.6	35.5	35.5	32.8	30.1	24.6	23.7	23.7
117.5°	20.9	22.8	27.3	30.1	31.9	31.0	28.2	25.5	21.9	20.9	20.9
120°	19.1	20.9	24.6	27.3	27.3	26.4	24.6	21.9	19.1	18.2	19.1
122.5°	17.3	19.1	21.9	23.7	23.7	23.7	21.9	19.1	16.4	16.4	17.3
125°	16.4	17.3	20.0	20.9	21.9	20.9	19.1	16.4	14.6	15.5	15.5
127.5°	15.5	16.4	18.2	19.1	19.1	18.2	16.4	14.6	12.8	13.7	14.6
130°	14.6	15.5	16.4	17.3	17.3	16.4	14.6	12.8	11.8	12.8	12.8
132.5°	12.8	13.7	14.6	15.5	14.6	14.6	12.8	10.9	10.9	11.8	11.8
135°	11.8	12.8	12.8	13.7	12.8	12.8	10.9	10.0	10.0	10.9	10.9
137.5°	10.9	11.8	11.8	11.8	10.9	10.9	10.0	9.1	9.1	9.1	10.0
140°	10.0	10.0	10.0	10.0	9.1	9.1	8.2	7.3	8.2	8.2	8.2
142.5°	9.1	9.1	9.1	8.2	8.2	7.3	6.4	6.4	7.3	7.3	7.3
145°	7.3	7.3	7.3	6.4	6.4	5.5	5.5	5.5	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	5.5	4.6	4.6	4.6	4.6	5.5	5.5	5.5
150°	5.5	5.5	5.5	4.6	3.6	3.6	2.7	3.6	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	4.6	3.6	1.8	2.7	3.6	3.6	3.6	3.6
155°	3.6	3.6	4.6	3.6	2.7	0.9	1.8	2.7	2.7	2.7	2.7
157.5°	3.6	3.6	3.6	2.7	1.8	0.9	1.8	1.8	2.7	1.8	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	0.9	0.9	0.9
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)