

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: P417061

Luminaire Tested: **LXF.LXT-PA1-90-727-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417061
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-PA1-90-727-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 7669 lumens
Efficiency: N/A
Efficacy: 81.6 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

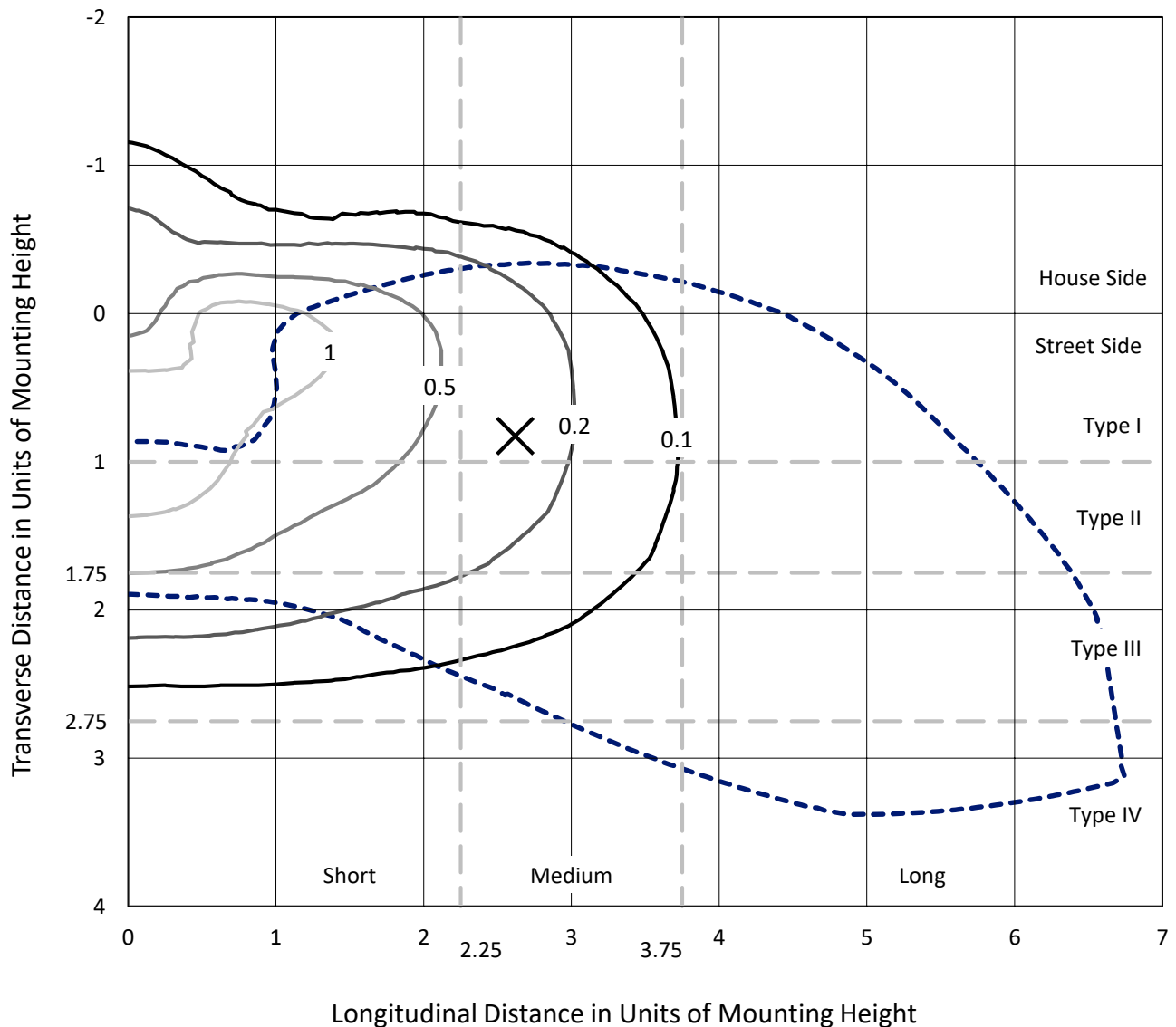
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

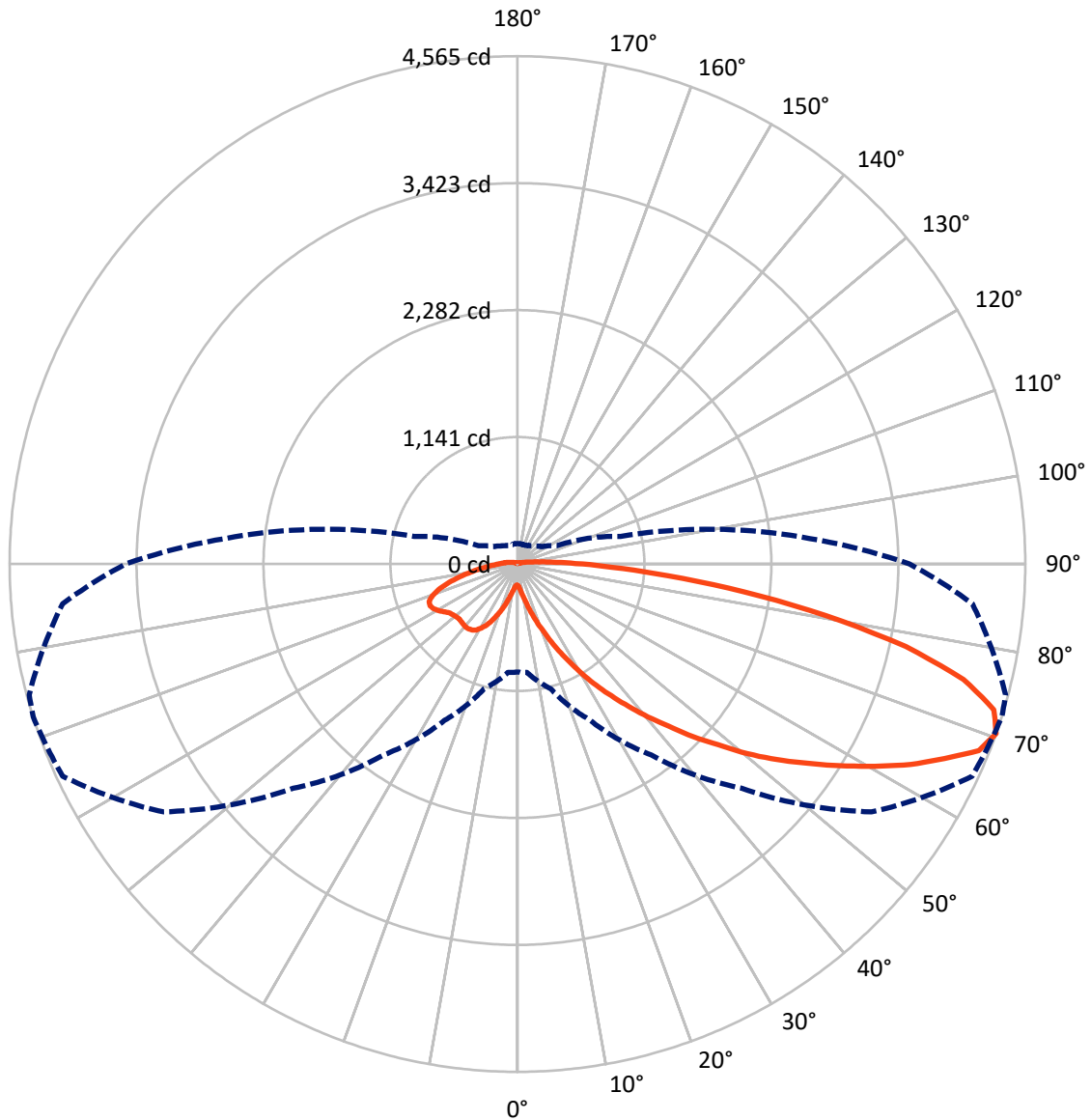
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1378.7	125.0	1503.7
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	6020.9	144.4	6165.3
	% Fixture	78.5	1.9	80.4
Total	Lumens	7399.5	269.4	7669.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.3
10°-20°	103.8	1.4
20°-30°	289.7	3.8
30°-40°	600.6	7.8
40°-50°	1037.5	13.5
50°-60°	1532.2	20.0
60°-70°	1808.4	23.6
70°-80°	1435.2	18.7
80°-90°	570.6	7.4
90°-100°	150.8	2.0
100°-110°	58.2	0.8
110°-120°	28.4	0.4
120°-130°	16.0	0.2
130°-140°	9.4	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°	7399.5	96.5
0°-180°	7669.0	100.0

Coefficient of Utilization



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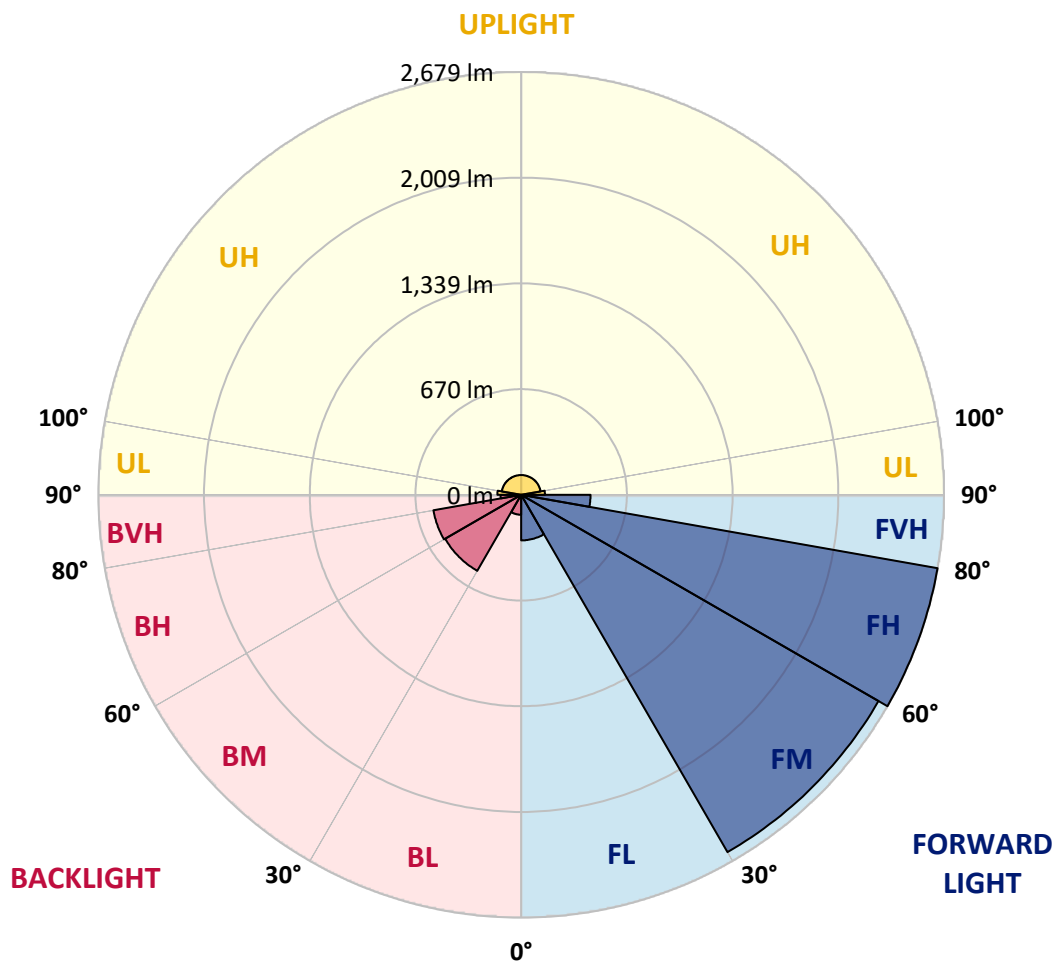
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.6	3.8			
FM (30°-60°)	2614.0	34.1			
FH (60°-80°)	2678.9	34.9			G2/5000
FVH (80°-90°)	439.4	5.7			G3/500
BL (0°-30°)	126.5	1.6	B1/500		
BM (30°-60°)	556.3	7.3	B1/1000		
BH (60°-80°)	564.7	7.4	B2/1000		G2/1000
BVH (80°-90°)	131.2	1.7			G2/225
UL (90°-100°)	150.8	2.0		U3/500	
UH (100°-180°)	125.0	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°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	215.5	216.4	215.5	215.5	213.7	212.8	207.4	203.8	201.1	199.3	196.6
5°	249.8	251.6	250.7	250.7	246.2	243.5	237.2	229.9	224.5	223.6	215.5
7.5°	295.8	294.9	291.3	290.4	288.6	284.0	275.0	264.2	258.8	257.0	245.3
10°	352.6	348.1	349.9	343.6	340.0	332.7	324.6	316.5	305.7	305.7	289.5
12.5°	409.4	419.3	416.6	407.6	400.4	388.6	378.7	376.0	363.4	365.2	349.9
15°	502.3	501.4	493.2	486.9	472.5	458.1	449.1	442.7	439.1	436.4	419.3
17.5°	600.5	595.1	588.8	569.9	549.2	536.5	528.4	522.1	526.6	525.7	505.0
20°	714.2	707.9	698.8	664.6	637.5	617.7	613.2	620.4	623.1	630.3	609.6
22.5°	840.4	837.7	816.1	777.3	731.3	705.1	700.6	717.8	738.5	742.1	727.7
25°	991.9	988.3	958.5	902.6	842.2	802.5	802.5	829.6	863.9	872.0	864.8
27.5°	1154.2	1145.2	1106.4	1037.9	954.9	903.5	897.2	945.9	993.7	1017.1	1008.1
30°	1340.9	1339.1	1275.0	1191.2	1092.0	1009.9	1007.2	1078.5	1146.1	1156.9	1158.7
32.5°	1532.9	1548.3	1474.3	1349.0	1229.1	1132.6	1128.1	1208.3	1302.1	1321.0	1321.0
35°	1754.8	1755.7	1664.6	1540.1	1376.0	1266.0	1253.4	1349.0	1453.6	1479.7	1494.2
37.5°	1978.4	1973.0	1890.9	1719.6	1535.6	1403.1	1391.4	1504.1	1623.1	1665.5	1662.8
40°	2198.4	2213.7	2110.0	1920.7	1698.9	1564.5	1535.6	1668.2	1805.3	1853.0	1834.1
42.5°	2435.6	2432.0	2339.1	2128.1	1881.0	1720.5	1703.4	1840.4	1992.8	2046.9	2029.8
45°	2643.0	2641.2	2540.2	2329.2	2055.0	1900.8	1877.4	2022.6	2213.7	2264.2	2229.1
47.5°	2834.1	2829.6	2725.0	2510.4	2207.4	2073.1	2074.9	2223.7	2426.5	2509.5	2455.4
50°	2982.0	2966.7	2900.9	2669.1	2372.4	2254.3	2288.6	2463.5	2679.9	2754.8	2696.2
52.5°	3061.4	3037.9	2986.5	2780.0	2528.4	2433.8	2499.6	2707.0	2920.7	2991.9	2927.9
55°	3023.5	3023.5	2994.6	2847.6	2639.4	2597.9	2730.4	2939.6	3162.4	3240.8	3184.0
57.5°	2871.1	2894.5	2908.1	2829.6	2716.0	2760.2	2970.3	3204.7	3418.4	3505.0	3430.2
60°	2604.2	2610.5	2709.7	2732.2	2746.7	2898.1	3219.2	3498.7	3690.8	3759.3	3674.5
62.5°	2226.4	2256.1	2376.9	2543.8	2701.6	3012.7	3480.7	3794.5	3967.6	4013.6	3890.0
65°	1806.2	1798.9	2022.6	2272.3	2577.1	3046.0	3691.7	4081.2	4215.6	4276.9	4062.3
67.5°	1369.7	1365.2	1571.7	1937.8	2366.1	3010.9	3863.0	4324.7	4472.6	4474.4	4170.5
70°	971.2	978.4	1161.4	1550.1	2093.8	2850.4	3883.7	4510.4	4564.5	4542.9	4104.7
72.5°	659.2	664.6	838.6	1187.6	1733.1	2590.7	3710.6	4490.6	4478.0	4417.6	3834.1
75°	424.7	460.8	589.7	902.6	1403.1	2216.4	3374.3	4206.6	4140.7	4040.6	3364.3
77.5°	293.1	311.1	410.3	657.4	1096.5	1830.5	2897.2	3635.8	3567.2	3444.6	2712.4
80°	198.4	206.5	282.2	491.4	863.0	1439.2	2360.7	2927.0	2808.9	2682.6	2034.3
82.5°	132.6	147.9	202.9	352.6	652.8	1110.9	1795.3	2235.4	2047.8	1938.7	1429.2
85°	88.4	96.5	144.3	256.1	472.5	808.8	1292.2	1518.5	1353.5	1257.0	913.4
87.5°	59.5	66.7	102.8	183.1	349.9	587.9	865.7	981.1	848.5	788.1	552.8
90°	39.7	44.2	75.7	131.7	247.1	410.3	584.3	606.0	520.3	483.3	338.1
92.5°	28.0	32.5	56.8	97.4	173.1	284.9	375.1	367.0	306.6	288.6	218.2
95°	21.6	25.2	44.2	74.8	126.2	195.7	244.4	223.6	193.9	187.6	150.6
97.5°	18.9	20.7	37.0	60.4	95.6	138.9	158.7	151.5	130.8	127.1	110.0
100°	17.1	18.9	32.5	52.3	76.6	101.9	113.6	105.5	94.7	92.0	81.2
102.5°	16.2	17.1	28.9	45.1	63.1	80.3	87.5	78.5	70.3	69.4	62.2
105°	15.3	16.2	25.2	38.8	53.2	65.8	68.5	61.3	55.0	52.3	46.9
107.5°	14.4	14.4	22.5	34.3	46.0	55.0	56.8	49.6	42.4	40.6	37.0
110°	13.5	14.4	20.7	30.7	40.6	47.8	47.8	40.6	33.4	31.6	29.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.5	13.5	18.9	27.1	36.1	41.5	40.6	33.4	27.1	24.3	24.3
115°	12.6	13.5	18.0	25.2	32.5	36.1	34.3	28.0	21.6	19.8	20.7
117.5°	12.6	13.5	16.2	22.5	28.9	31.6	29.8	23.4	18.0	17.1	18.9
120°	12.6	13.5	16.2	20.7	25.2	28.0	26.2	19.8	16.2	15.3	17.1
122.5°	13.5	13.5	15.3	18.9	23.4	25.2	22.5	17.1	14.4	13.5	15.3
125°	13.5	13.5	15.3	18.0	21.6	22.5	19.8	15.3	12.6	12.6	14.4
127.5°	13.5	13.5	15.3	17.1	19.8	19.8	18.0	13.5	11.7	11.7	13.5
130°	13.5	13.5	14.4	16.2	18.0	18.0	15.3	11.7	10.8	10.8	12.6
132.5°	14.4	14.4	14.4	15.3	16.2	16.2	13.5	10.8	9.9	9.9	12.6
135°	13.5	13.5	13.5	14.4	14.4	14.4	11.7	9.9	9.0	9.9	11.7
137.5°	12.6	12.6	13.5	13.5	13.5	12.6	9.9	8.1	8.1	9.0	10.8
140°	12.6	11.7	12.6	12.6	11.7	10.8	9.0	7.2	7.2	8.1	9.0
142.5°	10.8	10.8	10.8	10.8	9.9	9.0	7.2	6.3	7.2	7.2	8.1
145°	9.9	9.9	9.9	9.0	9.0	7.2	5.4	5.4	5.4	6.3	7.2
147.5°	8.1	8.1	8.1	8.1	7.2	6.3	3.6	4.5	4.5	4.5	5.4
150°	6.3	6.3	7.2	6.3	5.4	4.5	2.7	3.6	4.5	4.5	4.5
152.5°	5.4	5.4	5.4	5.4	4.5	2.7	2.7	3.6	3.6	3.6	4.5
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°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	194.8	193.0	189.4	185.8	183.1	180.3	178.5	175.8	174.0	174.0	174.0
5°	210.1	208.3	199.3	190.3	182.1	174.9	169.5	163.2	160.5	157.8	158.7
7.5°	240.8	234.4	220.0	204.7	191.2	176.7	165.9	156.9	151.5	147.9	147.9
10°	282.2	272.3	250.7	227.2	204.7	184.0	167.7	155.1	146.1	142.5	142.5
12.5°	335.4	325.5	292.2	257.0	222.7	193.0	172.2	156.0	146.1	141.6	141.6
15°	406.7	389.5	344.5	294.0	244.4	203.8	176.7	163.2	156.9	154.2	154.2
17.5°	491.4	466.2	407.6	331.8	266.0	214.6	188.5	175.8	170.4	169.5	169.5
20°	590.6	559.1	470.7	369.7	283.1	228.1	198.4	187.6	185.8	186.7	186.7
22.5°	703.3	657.4	535.6	404.0	299.4	236.3	205.6	196.6	198.4	202.9	202.0
25°	822.4	773.7	606.9	434.6	310.2	239.9	210.1	204.7	211.9	217.3	217.3
27.5°	961.2	885.5	671.8	456.3	312.9	237.2	211.0	208.3	218.2	226.3	228.1
30°	1102.8	1005.4	727.7	469.8	307.5	230.8	207.4	209.2	220.9	231.7	232.6
32.5°	1246.2	1119.0	773.7	472.5	298.5	222.7	203.8	207.4	220.0	231.7	233.5
35°	1388.7	1225.4	804.3	462.6	284.0	214.6	197.5	203.8	216.4	229.9	231.7
37.5°	1528.4	1326.4	823.3	446.4	269.6	207.4	193.0	199.3	211.9	227.2	229.0
40°	1680.8	1434.6	834.1	427.4	255.2	201.1	190.3	196.6	209.2	223.6	226.3
42.5°	1820.6	1533.8	835.0	404.0	244.4	198.4	188.5	193.9	205.6	220.9	223.6
45°	2002.7	1635.7	835.0	384.1	237.2	197.5	188.5	193.0	203.8	220.0	223.6
47.5°	2175.0	1753.0	836.8	367.0	233.5	199.3	190.3	192.1	201.1	220.0	223.6
50°	2375.1	1865.7	851.2	354.4	232.6	202.9	193.0	191.2	198.4	218.2	222.7
52.5°	2574.4	2014.5	869.3	345.4	234.4	206.5	194.8	191.2	195.7	213.7	219.1
55°	2792.6	2156.0	889.1	346.3	238.1	210.1	197.5	190.3	192.1	206.5	211.9
57.5°	3010.9	2321.9	932.4	351.7	242.6	214.6	200.2	190.3	187.6	198.4	202.9
60°	3202.0	2468.0	977.5	363.4	248.9	219.1	202.0	189.4	184.0	190.3	193.9
62.5°	3404.0	2627.6	1013.5	373.3	256.1	222.7	202.0	188.5	181.2	185.8	187.6
65°	3535.7	2722.3	1032.5	385.9	263.3	225.4	202.9	186.7	180.3	183.1	184.9
67.5°	3603.3	2737.6	1019.9	390.4	269.6	227.2	202.0	184.9	181.2	183.1	184.9
70°	3523.0	2635.7	959.4	387.7	271.4	227.2	200.2	183.1	181.2	184.0	184.9
72.5°	3232.7	2390.5	870.2	374.2	268.7	223.6	197.5	180.3	180.3	184.9	184.9
75°	2783.6	2037.9	752.9	353.5	261.5	218.2	192.1	175.8	177.6	184.0	184.0
77.5°	2229.1	1612.3	620.4	323.7	248.0	209.2	184.9	169.5	174.0	181.2	180.3
80°	1659.2	1201.1	499.6	290.4	229.9	196.6	174.9	162.3	168.6	174.9	173.1
82.5°	1105.5	843.1	395.0	255.2	211.0	184.0	164.1	152.4	160.5	166.8	164.1
85°	717.8	561.8	305.7	220.0	191.2	169.5	150.6	141.6	149.7	155.1	152.4
87.5°	447.3	376.9	232.6	187.6	170.4	153.3	138.9	128.9	137.1	142.5	138.9
90°	295.8	252.5	183.1	162.3	151.5	138.0	124.4	117.2	125.3	127.1	124.4
92.5°	194.8	178.5	148.8	138.9	133.5	122.6	112.7	106.4	112.7	113.6	111.8
95°	139.8	135.3	122.6	120.8	118.1	109.1	101.0	95.6	99.2	100.1	96.5
97.5°	106.4	105.5	104.6	104.6	102.8	96.5	89.3	84.8	86.6	85.7	83.0
100°	83.0	84.8	87.5	89.3	88.4	83.9	78.5	74.8	75.7	72.1	69.4
102.5°	64.9	68.5	73.0	75.7	75.7	72.1	69.4	65.8	63.1	58.6	57.7
105°	51.4	54.1	60.4	64.9	64.9	63.1	60.4	55.9	53.2	47.8	47.8
107.5°	40.6	44.2	51.4	55.0	55.9	54.1	52.3	48.7	44.2	38.8	38.8
110°	32.5	35.2	43.3	46.9	47.8	46.9	45.1	40.6	36.1	32.5	32.5



REPORT NUMBER: P417061

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.1	29.8	36.1	39.7	41.5	40.6	38.8	34.3	29.8	27.1	27.1
115°	23.4	26.2	30.7	34.3	35.2	35.2	32.5	29.8	24.3	23.4	23.4
117.5°	20.7	22.5	27.1	29.8	31.6	30.7	28.0	25.2	21.6	20.7	20.7
120°	18.9	20.7	24.3	27.1	27.1	26.2	24.3	21.6	18.9	18.0	18.9
122.5°	17.1	18.9	21.6	23.4	23.4	23.4	21.6	18.9	16.2	16.2	17.1
125°	16.2	17.1	19.8	20.7	21.6	20.7	18.9	16.2	14.4	15.3	15.3
127.5°	15.3	16.2	18.0	18.9	18.9	18.0	16.2	14.4	12.6	13.5	14.4
130°	14.4	15.3	16.2	17.1	17.1	16.2	14.4	12.6	11.7	12.6	12.6
132.5°	12.6	13.5	14.4	15.3	14.4	14.4	12.6	10.8	10.8	11.7	11.7
135°	11.7	12.6	12.6	13.5	12.6	12.6	10.8	9.9	9.9	10.8	10.8
137.5°	10.8	11.7	11.7	11.7	10.8	10.8	9.9	9.0	9.0	9.0	9.9
140°	9.9	9.9	9.9	9.9	9.0	9.0	8.1	7.2	8.1	8.1	8.1
142.5°	9.0	9.0	9.0	8.1	8.1	7.2	6.3	6.3	7.2	7.2	7.2
145°	7.2	7.2	7.2	6.3	6.3	5.4	5.4	5.4	6.3	6.3	6.3
147.5°	6.3	6.3	6.3	5.4	4.5	4.5	4.5	4.5	5.4	5.4	5.4
150°	5.4	5.4	5.4	4.5	3.6	3.6	2.7	3.6	4.5	4.5	4.5
152.5°	4.5	4.5	4.5	4.5	3.6	1.8	2.7	3.6	3.6	3.6	3.6
155°	3.6	3.6	4.5	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)