

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: P417353

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6679 lumens
Efficiency: N/A
Efficacy: 71.1 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 (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

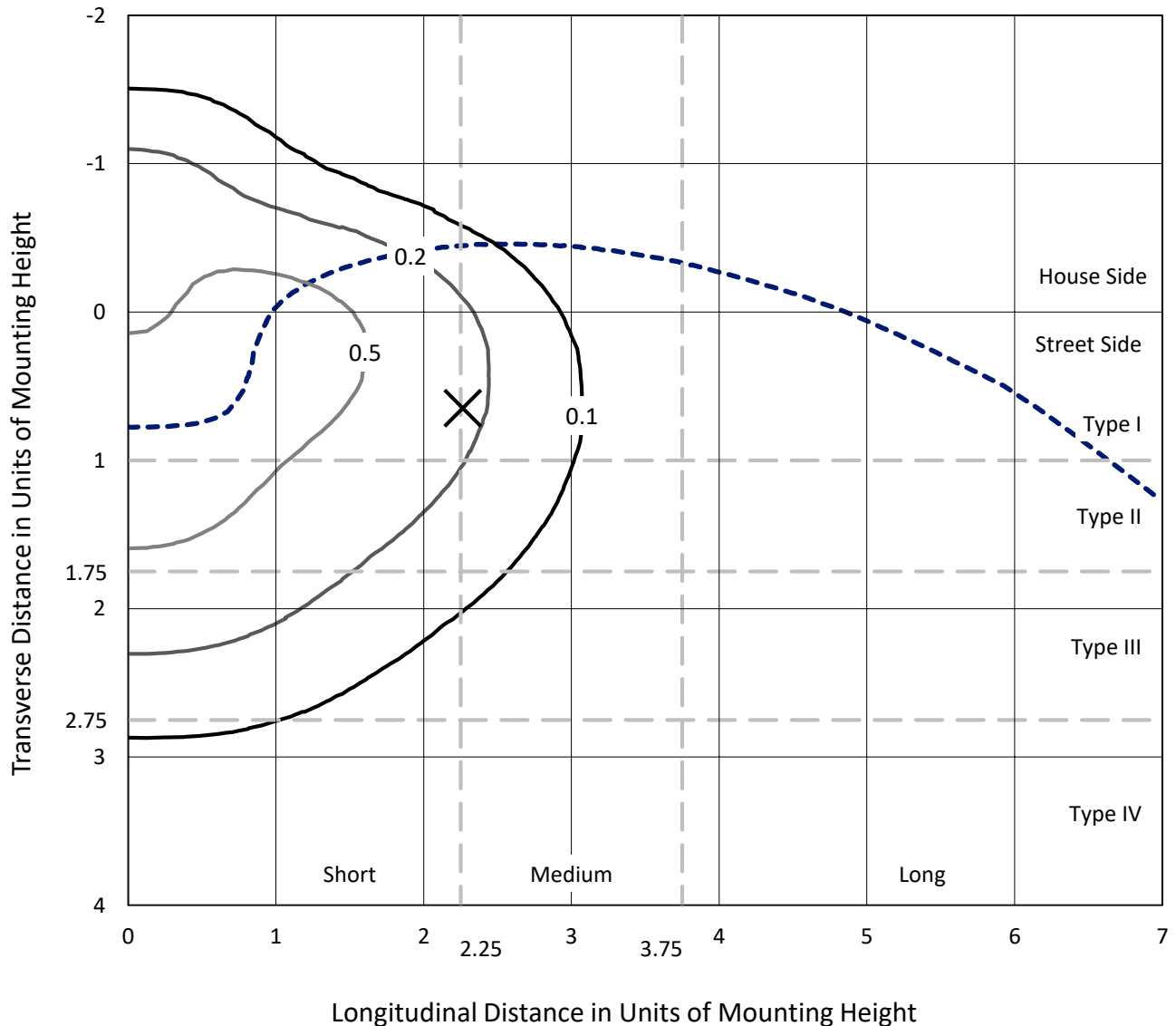


REPORT NUMBER: P417353

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

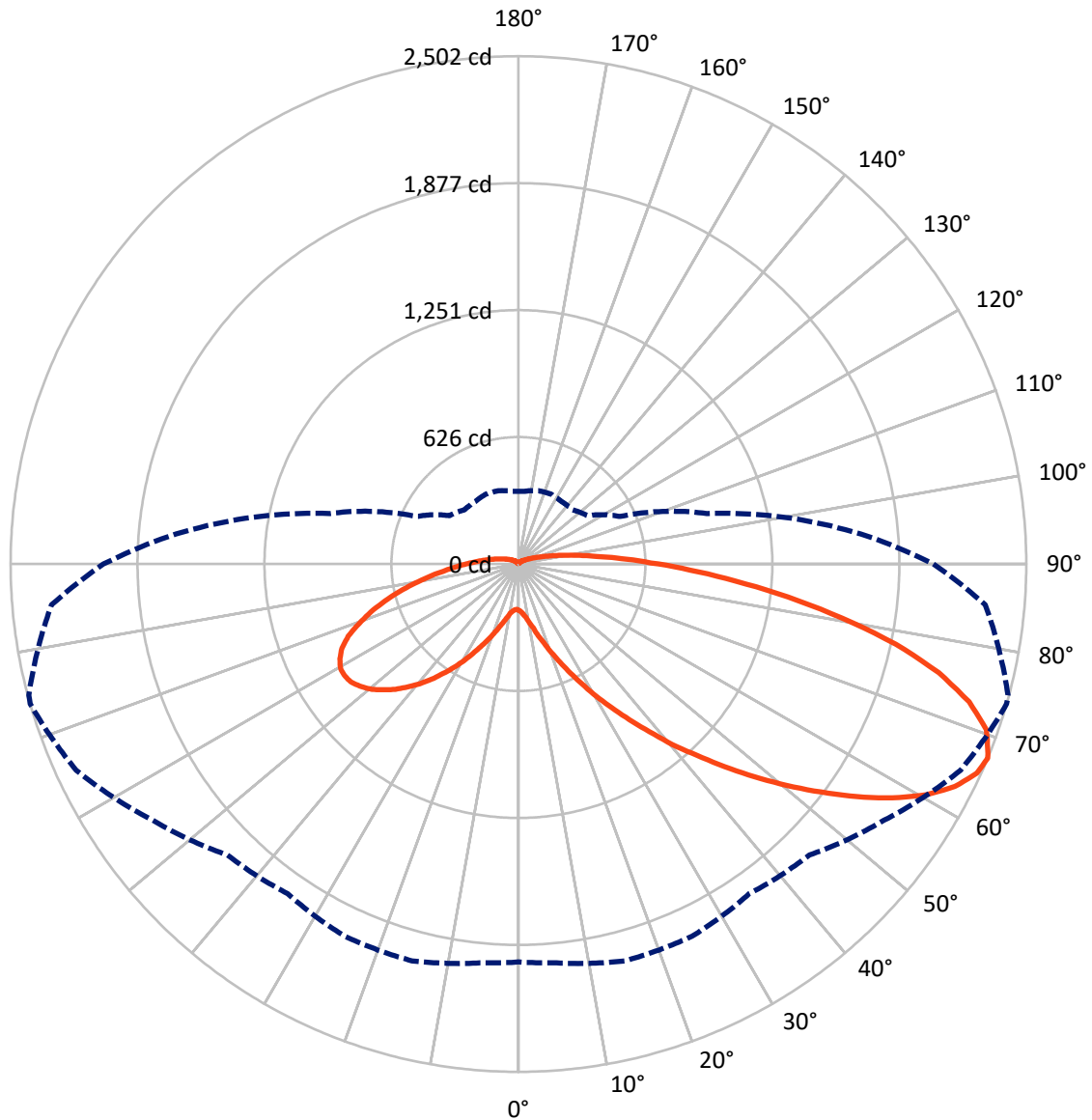


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417353

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P417353

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1557.5	187.2	1744.7
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4507.3	427.1	4934.3
	% Fixture	67.5	6.4	73.9
Total	Lumens	6064.7	614.3	6679.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	0.4
10°-20°	97.3	1.5
20°-30°	241.7	3.6
30°-40°	472.0	7.1
40°-50°	780.6	11.7
50°-60°	1131.4	16.9
60°-70°	1369.4	20.5
70°-80°	1217.3	18.2
80°-90°	731.3	10.9
90°-100°	335.7	5.0
100°-110°	149.5	2.2
110°-120°	71.3	1.1
120°-130°	35.4	0.5
130°-140°	16.2	0.2
140°-150°	5.3	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6064.7	90.8
0°-180°	6679.0	100.0



REPORT NUMBER: P417353

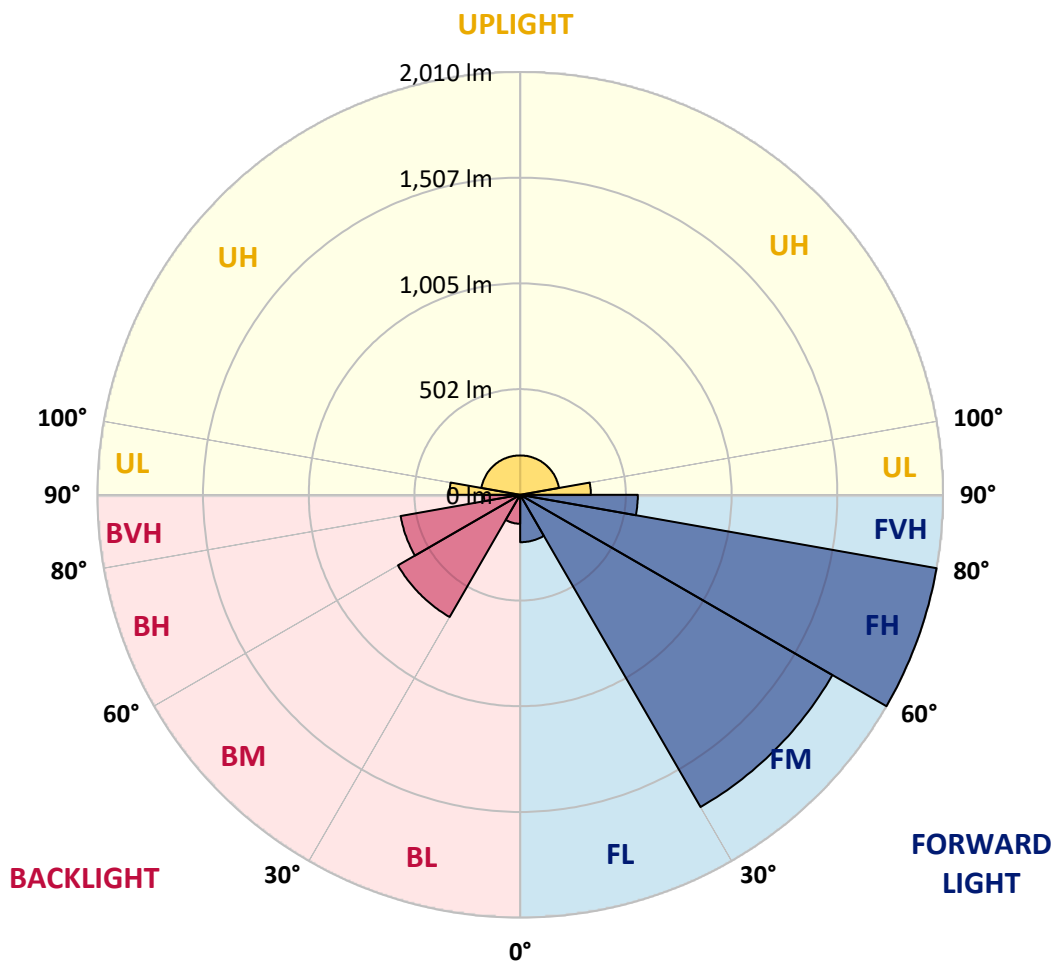
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	225.2	3.4			
FM	(30°-60°)	1713.6	25.7			
FH	(60°-80°)	2009.6	30.1			G2/5000
FVH	(80°-90°)	558.9	8.4			G4/750
BL	(0°-30°)	137.6	2.1	B1/500		
BM	(30°-60°)	670.4	10.0	B1/1000		
BH	(60°-80°)	577.1	8.6	B2/1000		G2/1000
BVH	(80°-90°)	172.3	2.6			G2/225
UL	(90°-100°)	335.7	5.0		U3/500	
UH	(100°-180°)	187.2	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P417353

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5
2.5°	251.3	248.9	248.9	247.3	246.5	244.1	242.5	237.0	234.6	234.6	230.6
5°	278.2	276.6	273.5	273.5	270.3	267.1	260.8	253.6	248.1	247.3	240.2
7.5°	311.5	307.5	307.5	303.6	298.8	293.3	284.5	275.0	266.3	265.5	254.4
10°	349.5	348.0	346.4	340.8	334.5	323.4	315.5	302.0	291.7	290.9	275.8
12.5°	396.3	393.9	389.2	383.6	372.5	364.6	350.3	335.3	321.8	322.6	305.2
15°	447.0	445.4	442.3	433.6	420.9	409.8	395.5	379.7	366.2	360.6	342.4
17.5°	504.9	501.7	497.8	488.2	474.0	462.9	443.9	428.8	411.4	412.2	386.0
20°	573.1	569.9	564.3	549.3	536.6	521.5	501.7	485.1	465.3	463.7	437.5
22.5°	640.4	642.0	628.5	612.7	600.8	583.4	564.3	542.9	525.5	523.9	493.8
25°	723.7	718.1	704.6	686.4	668.2	646.8	630.1	611.1	594.5	592.9	557.2
27.5°	810.8	806.1	787.9	764.9	740.3	716.5	702.3	682.4	669.8	667.4	630.9
30°	906.0	898.0	881.4	850.5	816.4	789.4	775.2	768.0	756.2	753.0	715.7
32.5°	1013.0	1002.7	978.1	940.8	891.7	861.6	855.2	848.9	844.1	839.4	804.5
35°	1119.2	1116.0	1079.5	1033.6	985.2	945.6	934.5	944.8	941.6	938.5	901.2
37.5°	1230.9	1236.5	1196.8	1136.6	1070.0	1028.0	1020.1	1039.1	1047.8	1047.8	1003.4
40°	1362.5	1357.7	1318.1	1244.4	1166.7	1117.6	1120.0	1148.5	1169.9	1165.1	1121.5
42.5°	1493.3	1483.0	1430.7	1358.5	1260.3	1211.1	1211.1	1254.7	1287.2	1288.0	1242.0
45°	1621.7	1610.6	1561.4	1467.1	1360.1	1307.0	1318.1	1371.2	1424.3	1417.2	1372.0
47.5°	1739.0	1734.2	1683.5	1582.8	1462.4	1406.9	1429.1	1508.3	1566.2	1566.2	1516.3
50°	1853.9	1847.6	1800.0	1686.7	1565.4	1510.7	1544.0	1640.7	1714.4	1718.4	1660.5
52.5°	1953.0	1949.0	1904.6	1792.1	1666.9	1611.4	1661.3	1782.6	1867.4	1876.1	1815.1
55°	2024.3	2026.7	1992.6	1885.6	1758.8	1712.8	1781.0	1923.7	2024.3	2025.9	1960.1
57.5°	2076.6	2079.8	2056.8	1964.1	1839.6	1804.8	1896.7	2060.0	2174.1	2181.3	2094.9
60°	2098.8	2104.4	2097.2	2019.6	1911.8	1889.6	2000.5	2182.1	2308.9	2311.3	2207.4
62.5°	2086.9	2092.5	2106.8	2051.3	1964.1	1963.3	2101.2	2288.3	2414.3	2417.5	2293.0
65°	2033.0	2041.8	2077.4	2051.3	1983.1	2009.3	2167.8	2369.9	2483.2	2487.2	2326.3
67°	1960.9	1972.0	2024.3	2023.5	1983.1	2027.5	2200.3	2404.0	2502.3	2497.5	2308.9
67.5°	1944.3	1955.4	2007.7	2015.6	1977.6	2029.9	2204.2	2408.0	2495.1	2494.3	2297.8
70°	1803.2	1823.0	1899.1	1937.1	1936.3	2010.9	2202.7	2386.5	2446.8	2438.9	2205.0
72.5°	1640.7	1665.3	1758.0	1830.9	1854.7	1951.4	2144.8	2301.7	2321.6	2312.0	2031.5
75°	1473.5	1486.9	1583.6	1687.5	1747.7	1850.7	2036.2	2167.0	2139.3	2116.3	1814.3
77.5°	1296.7	1302.3	1410.1	1526.6	1599.5	1718.4	1874.5	1969.6	1901.5	1882.4	1567.0
80°	1091.4	1114.4	1222.2	1343.5	1433.8	1541.6	1673.2	1730.3	1616.1	1598.7	1303.8
82.5°	923.4	937.7	1035.9	1154.8	1256.3	1357.7	1443.3	1458.4	1338.7	1326.0	1047.8
85°	753.8	766.5	869.5	979.7	1074.8	1159.6	1216.7	1194.5	1070.0	1056.5	828.3
87.5°	623.8	633.3	704.6	816.4	900.4	961.4	991.6	963.8	844.9	825.9	639.6
90°	494.6	508.9	573.1	667.4	753.0	792.6	795.8	749.8	652.3	638.1	489.8
92.5°	399.5	409.0	470.0	548.5	615.9	646.0	638.1	599.2	509.6	493.0	378.9
95°	323.4	331.3	382.0	451.0	505.7	533.4	511.2	459.7	389.2	382.8	292.5
97.5°	268.7	270.3	309.9	371.7	415.3	429.6	412.2	365.4	304.4	291.7	224.3
100°	219.6	221.1	254.4	301.2	340.8	350.3	332.9	287.7	236.2	228.3	176.0
102.5°	178.3	182.3	207.7	249.7	279.0	286.1	267.9	228.3	182.3	176.8	137.1
105°	151.4	152.2	174.4	206.1	232.2	237.8	219.6	185.5	143.5	140.3	109.4
107.5°	128.4	128.4	145.8	173.6	194.2	197.4	183.1	151.4	113.3	110.2	88.8



REPORT NUMBER: P417353

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	110.2	111.0	123.6	145.8	164.9	167.2	153.0	121.3	90.4	88.0	72.1
112.5°	95.9	97.5	106.2	123.6	140.3	142.7	128.4	99.1	73.7	70.5	60.2
115°	84.8	85.6	91.9	106.2	119.7	121.3	107.0	81.6	59.4	57.1	50.7
117.5°	75.3	76.1	80.8	92.7	103.0	103.8	89.6	67.4	49.9	47.6	44.4
120°	68.2	68.2	72.1	80.1	88.8	88.8	75.3	55.5	41.2	40.4	38.0
122.5°	61.8	61.8	64.2	69.7	76.1	74.5	62.6	46.0	34.9	34.1	33.3
125°	56.3	56.3	57.9	61.0	65.0	62.6	51.5	38.0	30.1	29.3	29.3
127.5°	50.7	50.7	51.5	53.9	54.7	52.3	42.8	31.7	26.2	25.4	26.2
130°	46.0	46.0	46.0	46.0	46.0	44.4	34.9	26.2	22.2	22.2	23.0
132.5°	41.2	41.2	40.4	39.6	38.8	35.7	28.5	21.4	19.8	19.8	20.6
135°	36.5	36.5	35.7	34.1	31.7	27.7	21.4	17.4	16.6	16.6	17.4
137.5°	31.7	31.7	30.9	28.5	25.4	21.4	16.6	14.3	14.3	14.3	15.1
140°	26.9	26.9	26.2	23.8	19.8	15.9	12.7	11.1	11.9	11.9	12.7
142.5°	23.0	22.2	21.4	19.0	15.1	11.1	8.7	8.7	9.5	9.5	10.3
145°	18.2	17.4	16.6	14.3	11.1	7.9	6.3	6.3	7.1	7.1	7.9
147.5°	14.3	13.5	12.7	10.3	7.9	5.5	4.0	4.8	5.5	5.5	5.5
150°	9.5	9.5	9.5	7.9	4.8	3.2	2.4	3.2	3.2	3.2	4.0
152.5°	6.3	6.3	6.3	4.8	3.2	1.6	1.6	1.6	2.4	2.4	2.4
155°	4.0	4.0	4.0	3.2	1.6	0.8	0.8	0.8	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.8	0.8	0.8
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°	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5
2.5°	229.1	227.5	224.3	221.9	219.6	217.2	214.8	213.2	210.8	210.8	210.8
5°	237.0	233.0	226.7	221.9	216.4	212.4	207.7	204.5	202.1	201.3	201.3
7.5°	250.5	244.9	235.4	225.9	218.0	211.6	206.1	202.1	198.9	198.2	198.2
10°	269.5	262.4	247.3	236.2	225.9	217.2	210.0	204.5	202.1	200.5	200.5
12.5°	297.2	287.7	270.3	251.3	237.8	226.7	218.0	215.6	215.6	216.4	215.6
15°	330.5	321.0	297.2	275.0	255.2	242.5	237.8	237.8	237.0	238.6	238.6
17.5°	372.5	359.1	330.5	301.2	278.2	266.3	261.6	260.0	261.6	263.9	262.4
20°	422.5	402.6	367.0	330.5	305.9	294.1	286.1	284.5	286.9	288.5	289.3
22.5°	474.8	453.4	408.2	361.4	336.1	320.2	311.5	309.1	313.1	317.0	317.8
25°	534.2	510.4	452.6	398.7	363.0	341.6	333.7	332.9	339.2	344.8	344.8
27.5°	606.3	574.6	500.9	439.1	393.1	364.6	355.9	356.7	365.4	370.1	371.7
30°	681.6	646.0	556.4	476.4	416.9	382.8	373.3	377.3	386.0	395.5	397.1
32.5°	766.5	724.4	610.3	513.6	438.3	397.1	386.8	394.7	404.2	415.3	416.9
35°	855.2	799.0	665.8	547.7	455.8	408.2	396.3	405.8	417.7	428.0	431.2
37.5°	955.9	889.3	726.0	575.4	469.2	414.5	401.9	413.0	426.4	436.7	437.5
40°	1058.9	982.0	783.1	601.6	478.7	418.5	405.0	416.1	428.8	437.5	438.3
42.5°	1166.7	1076.4	836.2	623.0	483.5	418.5	403.4	414.5	426.4	431.2	432.0
45°	1292.7	1176.2	890.9	638.1	485.1	416.9	401.1	409.8	418.5	420.1	422.5
47.5°	1419.6	1275.3	937.7	649.1	484.3	413.0	397.1	404.2	409.8	408.2	410.6
50°	1553.5	1383.1	982.8	656.3	480.3	409.0	391.5	397.9	399.5	394.7	394.7
52.5°	1681.9	1476.6	1017.7	657.1	474.8	404.2	387.6	392.3	391.5	382.8	383.6
55°	1810.3	1576.5	1047.0	649.9	466.8	399.5	383.6	386.8	384.4	374.1	372.5
57.5°	1920.5	1657.3	1059.7	639.6	458.1	394.7	381.2	384.4	379.7	367.8	367.0
60°	2014.0	1720.0	1060.5	625.4	447.8	390.8	378.9	382.8	378.9	364.6	363.0
62.5°	2071.9	1748.5	1039.9	603.2	437.5	386.0	378.9	382.0	377.3	363.0	362.2
65°	2081.4	1734.2	1006.6	577.8	425.6	381.2	377.3	381.2	376.5	361.4	359.8
67°	2044.1	1693.0	961.4	554.0	415.3	377.3	374.1	379.7	374.1	359.8	357.5
67.5°	2031.5	1674.0	951.1	550.9	413.0	375.7	373.3	378.1	373.3	359.1	356.7
70°	1920.5	1570.2	873.5	516.0	397.9	367.8	367.8	371.7	367.0	353.5	349.5
72.5°	1749.3	1424.3	795.8	482.7	381.2	355.9	358.3	362.2	357.5	344.8	340.0
75°	1551.1	1260.3	709.4	443.9	362.2	344.0	345.6	349.5	344.8	331.3	327.3
77.5°	1330.8	1070.8	622.2	408.2	342.4	328.1	328.9	331.3	327.3	313.9	309.9
80°	1094.6	883.0	533.4	367.8	319.4	308.3	309.1	309.1	303.6	292.5	289.3
82.5°	882.2	717.3	455.0	332.1	294.1	286.1	286.1	285.3	278.2	268.7	263.9
85°	686.4	578.6	381.2	295.6	268.7	261.6	260.8	257.6	250.5	240.2	234.6
87.5°	538.2	458.1	321.0	260.8	243.3	238.6	233.8	226.7	221.1	212.4	207.7
90°	420.1	363.8	271.1	229.1	218.8	212.4	207.7	198.9	190.2	181.5	179.1
92.5°	328.9	287.7	225.9	199.7	193.4	188.6	182.3	172.8	164.9	154.6	155.4
95°	260.8	233.8	192.6	176.0	171.2	167.2	159.3	149.0	140.3	130.8	129.2
97.5°	204.5	186.3	161.7	153.0	151.4	146.6	138.7	128.4	118.9	108.6	108.6
100°	162.5	152.2	136.3	134.7	131.6	128.4	120.5	111.0	99.1	90.4	90.4
102.5°	130.8	122.1	116.5	116.5	115.7	112.6	104.6	95.1	83.2	74.5	74.5
105°	104.6	101.5	99.1	101.5	102.2	99.1	91.2	80.8	69.0	61.0	62.6
107.5°	87.2	84.8	84.8	88.0	89.6	86.4	79.3	68.2	57.1	51.5	51.5



REPORT NUMBER: P417353

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	72.1	71.3	72.9	76.9	77.7	75.3	68.2	57.9	47.6	42.8	43.6
112.5°	61.0	60.2	63.4	67.4	68.2	65.8	58.7	49.1	39.6	36.5	36.5
115°	51.5	52.3	54.7	57.9	59.4	57.1	50.7	42.0	32.5	30.9	30.9
117.5°	44.4	45.2	47.6	51.5	52.3	49.1	42.8	34.9	27.7	26.9	26.9
120°	38.8	39.6	42.0	44.4	45.2	42.0	36.5	29.3	23.8	23.0	23.0
122.5°	34.1	35.7	37.3	38.8	39.6	36.5	31.7	24.6	19.8	19.8	20.6
125°	30.1	30.9	32.5	34.1	34.1	30.9	26.2	20.6	17.4	17.4	17.4
127.5°	26.9	26.9	27.7	29.3	29.3	26.9	22.2	16.6	15.1	15.1	15.9
130°	23.8	24.6	24.6	24.6	24.6	22.2	18.2	14.3	12.7	13.5	13.5
132.5°	20.6	21.4	21.4	21.4	20.6	18.2	15.1	11.9	11.1	11.9	11.9
135°	18.2	18.2	18.2	18.2	16.6	15.1	11.9	9.5	9.5	10.3	10.3
137.5°	15.9	15.9	15.9	15.1	13.5	11.9	9.5	7.9	7.9	8.7	8.7
140°	12.7	13.5	12.7	11.9	10.3	8.7	7.1	6.3	7.1	7.1	7.1
142.5°	10.3	10.3	10.3	9.5	7.9	6.3	5.5	4.8	5.5	5.5	6.3
145°	7.9	7.9	7.9	7.1	5.5	4.0	4.0	4.0	4.8	4.8	4.8
147.5°	5.5	5.5	5.5	4.8	3.2	2.4	2.4	2.4	3.2	3.2	3.2
150°	4.0	4.0	4.0	3.2	1.6	0.8	0.8	1.6	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	1.6	1.6	0.8	0.8
155°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	0.0	0.0
157.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.0	0.0	0.0	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)