

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: P417405

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417405  
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-PA1-90-830-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 7220 lumens  
Efficiency: N/A  
Efficacy: 76.8 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

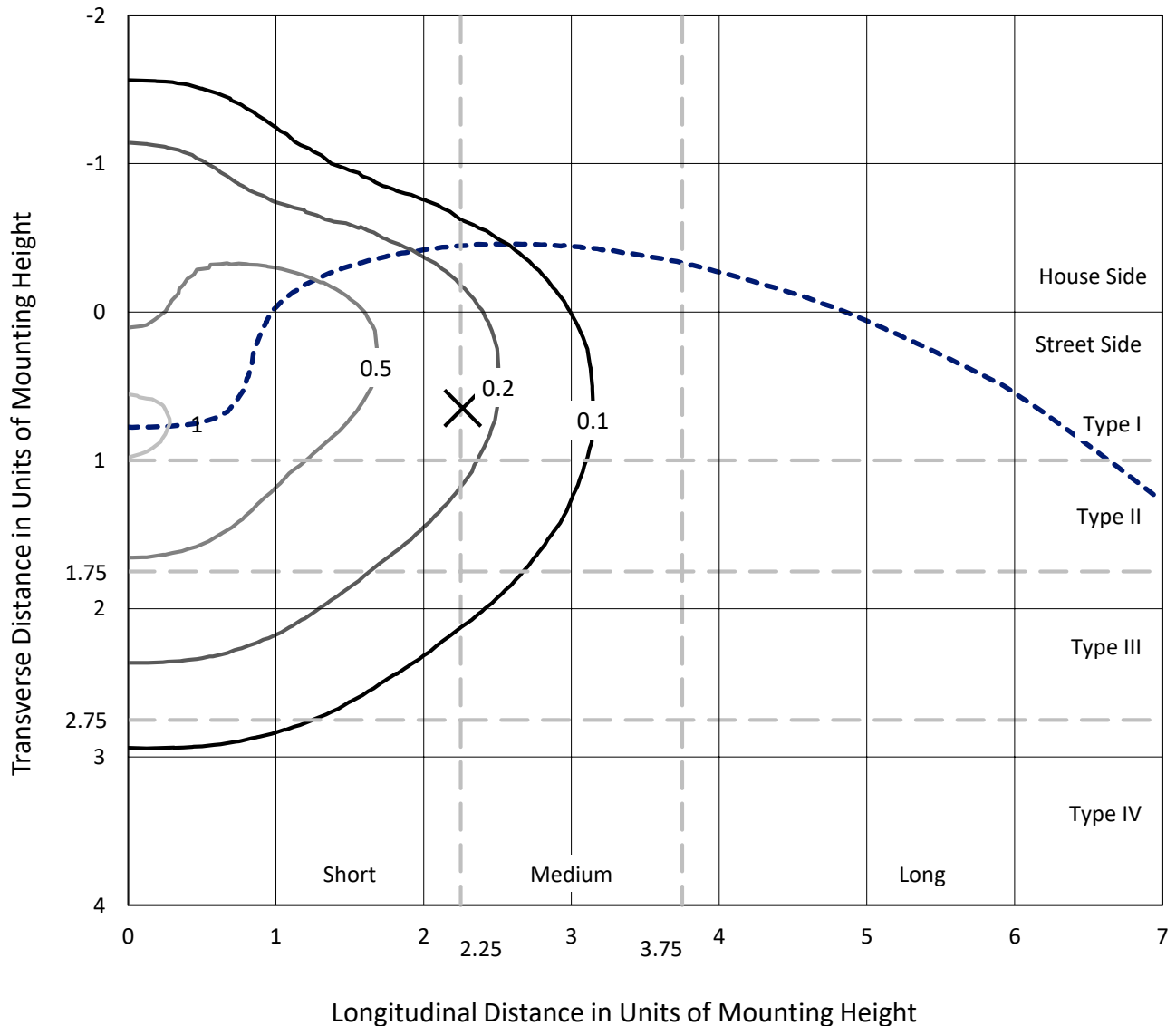


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

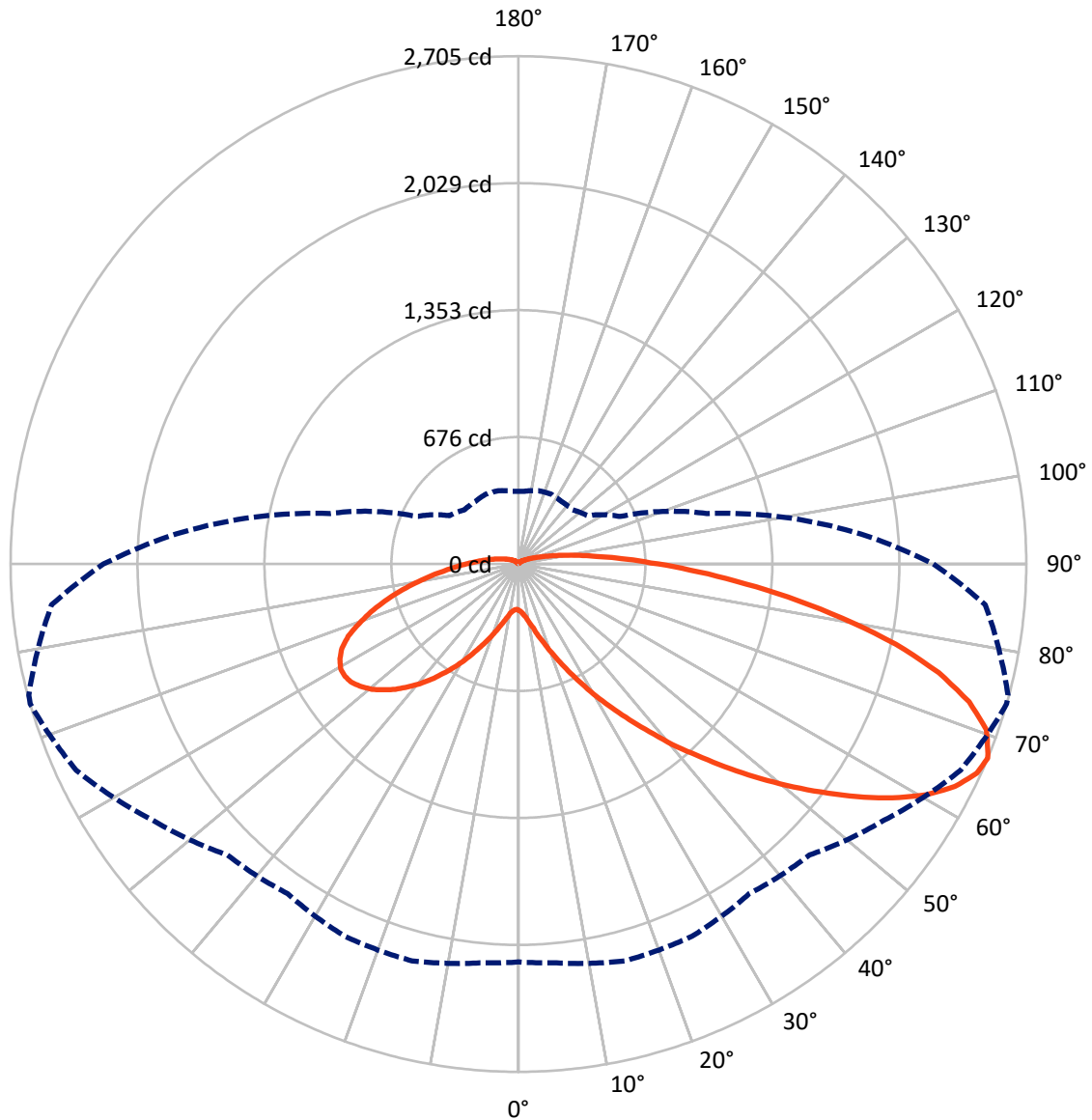


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1683.6	202.4	1886.0
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	4872.4	461.6	5334.0
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	6556.0	664.0	7220.0
	% Fixture	90.8	9.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.7	0.4
10°-20°	105.2	1.5
20°-30°	261.2	3.6
30°-40°	510.2	7.1
40°-50°	843.8	11.7
50°-60°	1223.1	16.9
60°-70°	1480.3	20.5
70°-80°	1315.9	18.2
80°-90°	790.5	10.9
90°-100°	362.9	5.0
100°-110°	161.6	2.2
110°-120°	77.1	1.1
120°-130°	38.2	0.5
130°-140°	17.5	0.2
140°-150°	5.8	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6556.0	90.8
0°-180°	7220.0	100.0

**Coefficient of Utilization**



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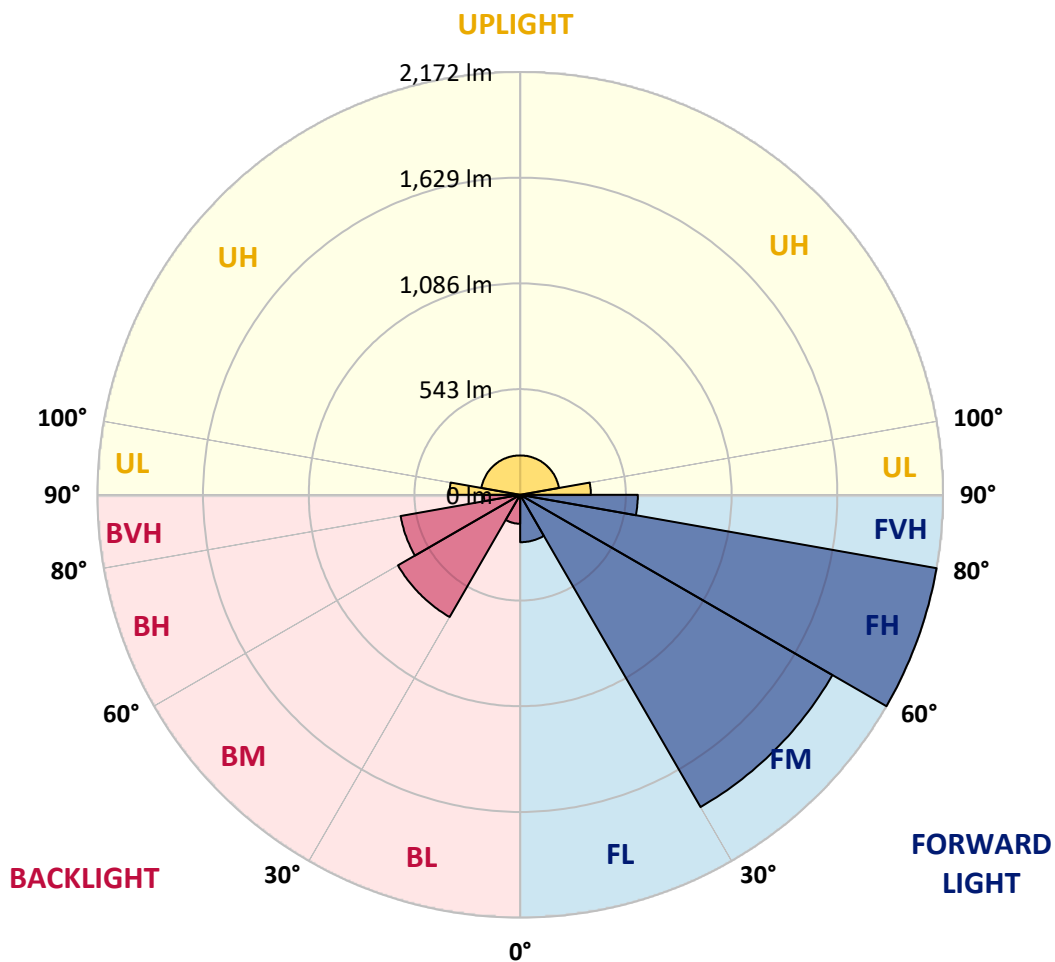
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.4	3.4			
FM (30°-60°)	1852.4	25.7			
FH (60°-80°)	2172.3	30.1			G2/5000
FVH (80°-90°)	604.2	8.4			G4/750
BL (0°-30°)	148.7	2.1	B1/500		
BM (30°-60°)	724.7	10.0	B1/1000		
BH (60°-80°)	623.9	8.6	B2/1000		G2/1000
BVH (80°-90°)	186.3	2.6			G2/225
UL (90°-100°)	362.9	5.0		U3/500	
UH (100°-180°)	202.4	2.8		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°	74°	75°	85°
0°	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9
2.5°	271.6	269.0	269.0	267.3	266.5	263.9	262.2	256.2	253.6	253.6	249.3
5°	300.7	299.0	295.6	295.6	292.2	288.7	281.9	274.2	268.2	267.3	259.6
7.5°	336.7	332.4	332.4	328.2	323.0	317.0	307.6	297.3	287.9	287.0	275.0
10°	377.9	376.1	374.4	368.4	361.6	349.6	341.0	326.4	315.3	314.4	298.2
12.5°	428.4	425.8	420.7	414.7	402.7	394.1	378.7	362.4	347.9	348.7	329.9
15°	483.2	481.5	478.1	468.7	455.0	443.0	427.5	410.4	395.8	389.8	370.1
17.5°	545.8	542.4	538.1	527.8	512.4	500.4	479.8	463.5	444.7	445.5	417.3
20°	619.5	616.0	610.1	593.8	580.1	563.8	542.4	524.4	502.9	501.2	473.0
22.5°	692.3	694.0	679.5	662.3	649.5	630.6	610.1	586.9	568.1	566.4	533.8
25°	782.3	776.3	761.7	742.0	722.3	699.2	681.2	660.6	642.6	640.9	602.3
27.5°	876.5	871.4	851.7	826.8	800.3	774.6	759.1	737.7	724.0	721.4	682.0
30°	979.3	970.8	952.8	919.4	882.5	853.4	838.0	830.3	817.4	814.0	773.7
32.5°	1095.0	1083.9	1057.3	1017.0	963.9	931.4	924.5	917.6	912.5	907.4	869.7
35°	1209.8	1206.4	1167.0	1117.3	1065.0	1022.2	1010.2	1021.3	1017.9	1014.5	974.2
37.5°	1330.6	1336.6	1293.8	1228.7	1156.7	1111.3	1102.7	1123.3	1132.7	1132.7	1084.7
40°	1472.9	1467.7	1424.9	1345.2	1261.2	1208.1	1210.7	1241.5	1264.7	1259.5	1212.4
42.5°	1614.2	1603.1	1546.5	1468.6	1362.3	1309.2	1309.2	1356.3	1391.5	1392.3	1342.6
45°	1753.0	1741.0	1687.9	1586.0	1470.3	1412.9	1424.9	1482.3	1539.7	1532.0	1483.1
47.5°	1879.8	1874.7	1819.9	1711.1	1580.8	1520.8	1544.8	1630.5	1693.1	1693.1	1639.1
50°	2004.1	1997.2	1945.8	1823.3	1692.2	1633.1	1669.1	1773.6	1853.3	1857.6	1795.0
52.5°	2111.2	2106.9	2058.9	1937.3	1801.9	1741.9	1795.9	1927.0	2018.6	2028.1	1962.1
55°	2188.3	2190.9	2154.0	2038.4	1901.3	1851.6	1925.3	2079.5	2188.3	2190.0	2118.9
57.5°	2244.8	2248.3	2223.4	2123.2	1988.7	1951.0	2050.4	2226.9	2350.2	2357.9	2264.6
60°	2268.8	2274.8	2267.1	2183.2	2066.6	2042.6	2162.6	2358.8	2495.9	2498.5	2386.2
62.5°	2256.0	2262.0	2277.4	2217.4	2123.2	2122.3	2271.4	2473.6	2609.8	2613.3	2478.8
65°	2197.7	2207.1	2245.7	2217.4	2143.7	2172.0	2343.4	2561.9	2684.4	2688.7	2514.7
67°	2119.8	2131.7	2188.3	2187.4	2143.7	2191.7	2378.5	2598.7	2705.0	2699.8	2495.9
67.5°	2101.8	2113.8	2170.3	2178.9	2137.7	2194.3	2382.8	2603.0	2697.2	2696.4	2483.9
70°	1949.2	1970.7	2052.9	2094.0	2093.2	2173.7	2381.1	2579.9	2645.0	2636.4	2383.7
72.5°	1773.6	1800.2	1900.4	1979.2	2004.9	2109.5	2318.5	2488.2	2509.6	2499.3	2196.0
75°	1592.8	1607.4	1711.9	1824.2	1889.3	2000.7	2201.1	2342.5	2312.5	2287.7	1961.2
77.5°	1401.7	1407.7	1524.3	1650.2	1729.0	1857.6	2026.4	2129.2	2055.5	2034.9	1693.9
80°	1179.8	1204.7	1321.2	1452.3	1550.0	1666.5	1808.7	1870.4	1747.0	1728.2	1409.5
82.5°	998.2	1013.6	1119.9	1248.4	1358.0	1467.7	1560.3	1576.5	1447.2	1433.4	1132.7
85°	814.8	828.5	939.9	1059.0	1161.8	1253.5	1315.2	1291.2	1156.7	1142.1	895.4
87.5°	674.3	684.6	761.7	882.5	973.3	1039.3	1071.9	1041.9	913.4	892.8	691.4
90°	534.7	550.1	619.5	721.4	814.0	856.8	860.2	810.5	705.2	689.7	529.5
92.5°	431.8	442.1	508.1	592.9	665.7	698.3	689.7	647.7	550.9	532.9	409.6
95°	349.6	358.1	413.0	487.5	546.6	576.6	552.6	497.0	420.7	413.8	316.2
97.5°	290.5	292.2	335.0	401.8	449.0	464.4	445.5	395.0	329.0	315.3	242.5
100°	237.3	239.1	275.0	325.6	368.4	378.7	359.9	311.0	255.3	246.8	190.2
102.5°	192.8	197.1	224.5	269.9	301.6	309.3	289.6	246.8	197.1	191.1	148.2
105°	163.7	164.5	188.5	222.8	251.0	257.0	237.3	200.5	155.1	151.7	118.2
107.5°	138.8	138.8	157.7	187.6	209.9	213.3	197.9	163.7	122.5	119.1	96.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	119.1	120.0	133.7	157.7	178.2	180.8	165.4	131.1	97.7	95.1	78.0
112.5°	103.7	105.4	114.8	133.7	151.7	154.2	138.8	107.1	79.7	76.3	65.1
115°	91.7	92.5	99.4	114.8	129.4	131.1	115.7	88.3	64.3	61.7	54.8
117.5°	81.4	82.3	87.4	100.2	111.4	112.2	96.8	72.8	54.0	51.4	48.0
120°	73.7	73.7	78.0	86.5	96.0	96.0	81.4	60.0	44.6	43.7	41.1
122.5°	66.8	66.8	69.4	75.4	82.3	80.5	67.7	49.7	37.7	36.8	36.0
125°	60.8	60.8	62.5	66.0	70.3	67.7	55.7	41.1	32.6	31.7	31.7
127.5°	54.8	54.8	55.7	58.3	59.1	56.5	46.3	34.3	28.3	27.4	28.3
130°	49.7	49.7	49.7	49.7	49.7	48.0	37.7	28.3	24.0	24.0	24.8
132.5°	44.6	44.6	43.7	42.8	42.0	38.6	30.8	23.1	21.4	21.4	22.3
135°	39.4	39.4	38.6	36.8	34.3	30.0	23.1	18.8	18.0	18.0	18.8
137.5°	34.3	34.3	33.4	30.8	27.4	23.1	18.0	15.4	15.4	15.4	16.3
140°	29.1	29.1	28.3	25.7	21.4	17.1	13.7	12.0	12.9	12.9	13.7
142.5°	24.8	24.0	23.1	20.6	16.3	12.0	9.4	9.4	10.3	10.3	11.1
145°	19.7	18.8	18.0	15.4	12.0	8.6	6.9	6.9	7.7	7.7	8.6
147.5°	15.4	14.6	13.7	11.1	8.6	6.0	4.3	5.1	6.0	6.0	6.0
150°	10.3	10.3	10.3	8.6	5.1	3.4	2.6	3.4	3.4	3.4	4.3
152.5°	6.9	6.9	6.9	5.1	3.4	1.7	1.7	1.7	2.6	2.6	2.6
155°	4.3	4.3	4.3	3.4	1.7	0.9	0.9	0.9	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	1.7	1.7	1.7	0.9	0.0	0.0	0.9	0.9	0.9
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°	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9
2.5°	247.6	245.9	242.5	239.9	237.3	234.8	232.2	230.5	227.9	227.9	227.9
5°	256.2	251.9	245.0	239.9	233.9	229.6	224.5	221.1	218.5	217.6	217.6
7.5°	270.8	264.8	254.5	244.2	235.6	228.8	222.8	218.5	215.1	214.2	214.2
10°	291.3	283.6	267.3	255.3	244.2	234.8	227.1	221.1	218.5	216.8	216.8
12.5°	321.3	311.0	292.2	271.6	257.0	245.0	235.6	233.1	233.1	233.9	233.1
15°	357.3	347.0	321.3	297.3	275.9	262.2	257.0	257.0	256.2	257.9	257.9
17.5°	402.7	388.1	357.3	325.6	300.7	287.9	282.7	281.0	282.7	285.3	283.6
20°	456.7	435.3	396.7	357.3	330.7	317.9	309.3	307.6	310.2	311.9	312.7
22.5°	513.2	490.1	441.3	390.7	363.3	346.2	336.7	334.2	338.4	342.7	343.6
25°	577.5	551.8	489.2	431.0	392.4	369.3	360.7	359.9	366.7	372.7	372.7
27.5°	655.5	621.2	541.5	474.7	425.0	394.1	384.7	385.6	395.0	400.1	401.8
30°	736.9	698.3	601.5	514.9	450.7	413.8	403.6	407.8	417.3	427.5	429.3
32.5°	828.5	783.1	659.7	555.2	473.8	429.3	418.1	426.7	437.0	449.0	450.7
35°	924.5	863.7	719.7	592.1	492.7	441.3	428.4	438.7	451.5	462.7	466.1
37.5°	1033.3	961.3	784.8	622.0	507.2	448.1	434.4	446.4	461.0	472.1	473.0
40°	1144.7	1061.6	846.5	650.3	517.5	452.4	437.8	449.8	463.5	473.0	473.8
42.5°	1261.2	1163.6	903.9	673.5	522.7	452.4	436.1	448.1	461.0	466.1	467.0
45°	1397.5	1271.5	963.1	689.7	524.4	450.7	433.5	443.0	452.4	454.1	456.7
47.5°	1534.6	1378.6	1013.6	701.7	523.5	446.4	429.3	437.0	443.0	441.3	443.8
50°	1679.4	1495.1	1062.4	709.4	519.2	442.1	423.3	430.1	431.8	426.7	426.7
52.5°	1818.2	1596.2	1100.1	710.3	513.2	437.0	419.0	424.1	423.3	413.8	414.7
55°	1957.0	1704.2	1131.8	702.6	504.7	431.8	414.7	418.1	415.6	404.4	402.7
57.5°	2076.1	1791.6	1145.6	691.4	495.2	426.7	412.1	415.6	410.4	397.6	396.7
60°	2177.2	1859.3	1146.4	676.0	484.1	422.4	409.6	413.8	409.6	394.1	392.4
62.5°	2239.7	1890.1	1124.1	652.0	473.0	417.3	409.6	413.0	407.8	392.4	391.6
65°	2250.0	1874.7	1088.2	624.6	460.1	412.1	407.8	412.1	407.0	390.7	389.0
67°	2209.7	1830.2	1039.3	598.9	449.0	407.8	404.4	410.4	404.4	389.0	386.4
67.5°	2196.0	1809.6	1028.2	595.5	446.4	406.1	403.6	408.7	403.6	388.1	385.6
70°	2076.1	1697.3	944.2	557.8	430.1	397.6	397.6	401.8	396.7	382.1	377.9
72.5°	1891.0	1539.7	860.2	521.8	412.1	384.7	387.3	391.6	386.4	372.7	367.6
75°	1676.8	1362.3	766.8	479.8	391.6	371.9	373.6	377.9	372.7	358.1	353.9
77.5°	1438.6	1157.6	672.6	441.3	370.1	354.7	355.6	358.1	353.9	339.3	335.0
80°	1183.3	954.5	576.6	397.6	345.3	333.3	334.2	334.2	328.2	316.2	312.7
82.5°	953.6	775.4	491.8	359.0	317.9	309.3	309.3	308.5	300.7	290.5	285.3
85°	742.0	625.5	412.1	319.6	290.5	282.7	281.9	278.5	270.8	259.6	253.6
87.5°	581.8	495.2	347.0	281.9	263.0	257.9	252.8	245.0	239.1	229.6	224.5
90°	454.1	393.3	293.0	247.6	236.5	229.6	224.5	215.1	205.6	196.2	193.6
92.5°	355.6	311.0	244.2	215.9	209.1	203.9	197.1	186.8	178.2	167.1	167.9
95°	281.9	252.8	208.2	190.2	185.1	180.8	172.2	161.1	151.7	141.4	139.7
97.5°	221.1	201.4	174.8	165.4	163.7	158.5	149.9	138.8	128.5	117.4	117.4
100°	175.6	164.5	147.4	145.7	142.2	138.8	130.2	120.0	107.1	97.7	97.7
102.5°	141.4	131.9	126.0	126.0	125.1	121.7	113.1	102.8	90.0	80.5	80.5
105°	113.1	109.7	107.1	109.7	110.5	107.1	98.5	87.4	74.5	66.0	67.7
107.5°	94.2	91.7	91.7	95.1	96.8	93.4	85.7	73.7	61.7	55.7	55.7



REPORT NUMBER: P417405

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	78.0	77.1	78.8	83.1	84.0	81.4	73.7	62.5	51.4	46.3	47.1
112.5°	66.0	65.1	68.5	72.8	73.7	71.1	63.4	53.1	42.8	39.4	39.4
115°	55.7	56.5	59.1	62.5	64.3	61.7	54.8	45.4	35.1	33.4	33.4
117.5°	48.0	48.8	51.4	55.7	56.5	53.1	46.3	37.7	30.0	29.1	29.1
120°	42.0	42.8	45.4	48.0	48.8	45.4	39.4	31.7	25.7	24.8	24.8
122.5°	36.8	38.6	40.3	42.0	42.8	39.4	34.3	26.6	21.4	21.4	22.3
125°	32.6	33.4	35.1	36.8	36.8	33.4	28.3	22.3	18.8	18.8	18.8
127.5°	29.1	29.1	30.0	31.7	31.7	29.1	24.0	18.0	16.3	16.3	17.1
130°	25.7	26.6	26.6	26.6	26.6	24.0	19.7	15.4	13.7	14.6	14.6
132.5°	22.3	23.1	23.1	23.1	22.3	19.7	16.3	12.9	12.0	12.9	12.9
135°	19.7	19.7	19.7	19.7	18.0	16.3	12.9	10.3	10.3	11.1	11.1
137.5°	17.1	17.1	17.1	16.3	14.6	12.9	10.3	8.6	8.6	9.4	9.4
140°	13.7	14.6	13.7	12.9	11.1	9.4	7.7	6.9	7.7	7.7	7.7
142.5°	11.1	11.1	11.1	10.3	8.6	6.9	6.0	5.1	6.0	6.0	6.9
145°	8.6	8.6	8.6	7.7	6.0	4.3	4.3	4.3	5.1	5.1	5.1
147.5°	6.0	6.0	6.0	5.1	3.4	2.6	2.6	2.6	3.4	3.4	3.4
150°	4.3	4.3	4.3	3.4	1.7	0.9	0.9	1.7	2.6	2.6	2.6
152.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.9	1.7	1.7	0.9	0.9
155°	1.7	1.7	1.7	1.7	0.9	0.0	0.9	0.9	0.9	0.0	0.0
157.5°	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0
160°	0.9	0.9	0.9	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)