

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: P416564

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6182 lumens
Efficiency: N/A
Efficacy: 83.5 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

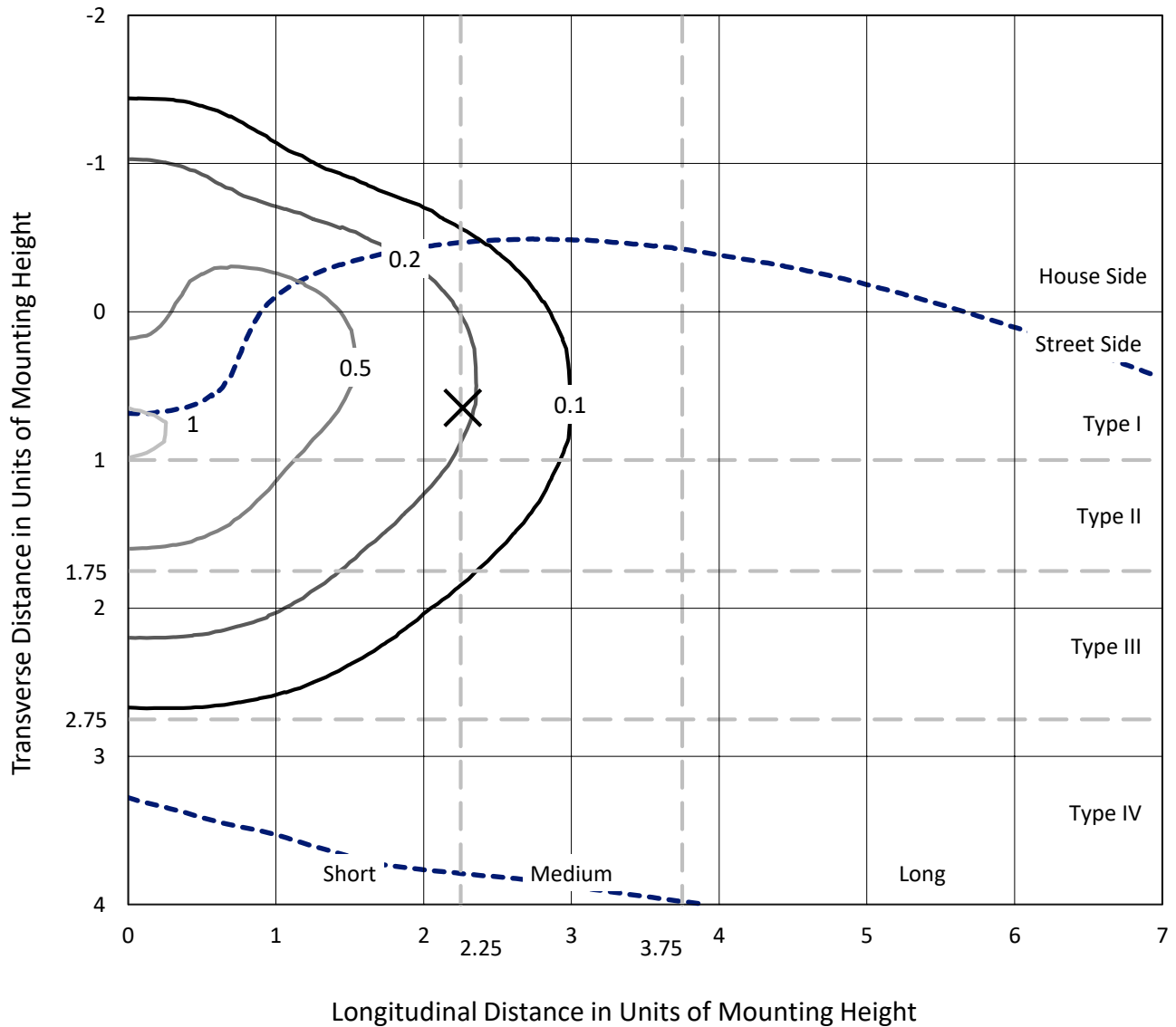
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

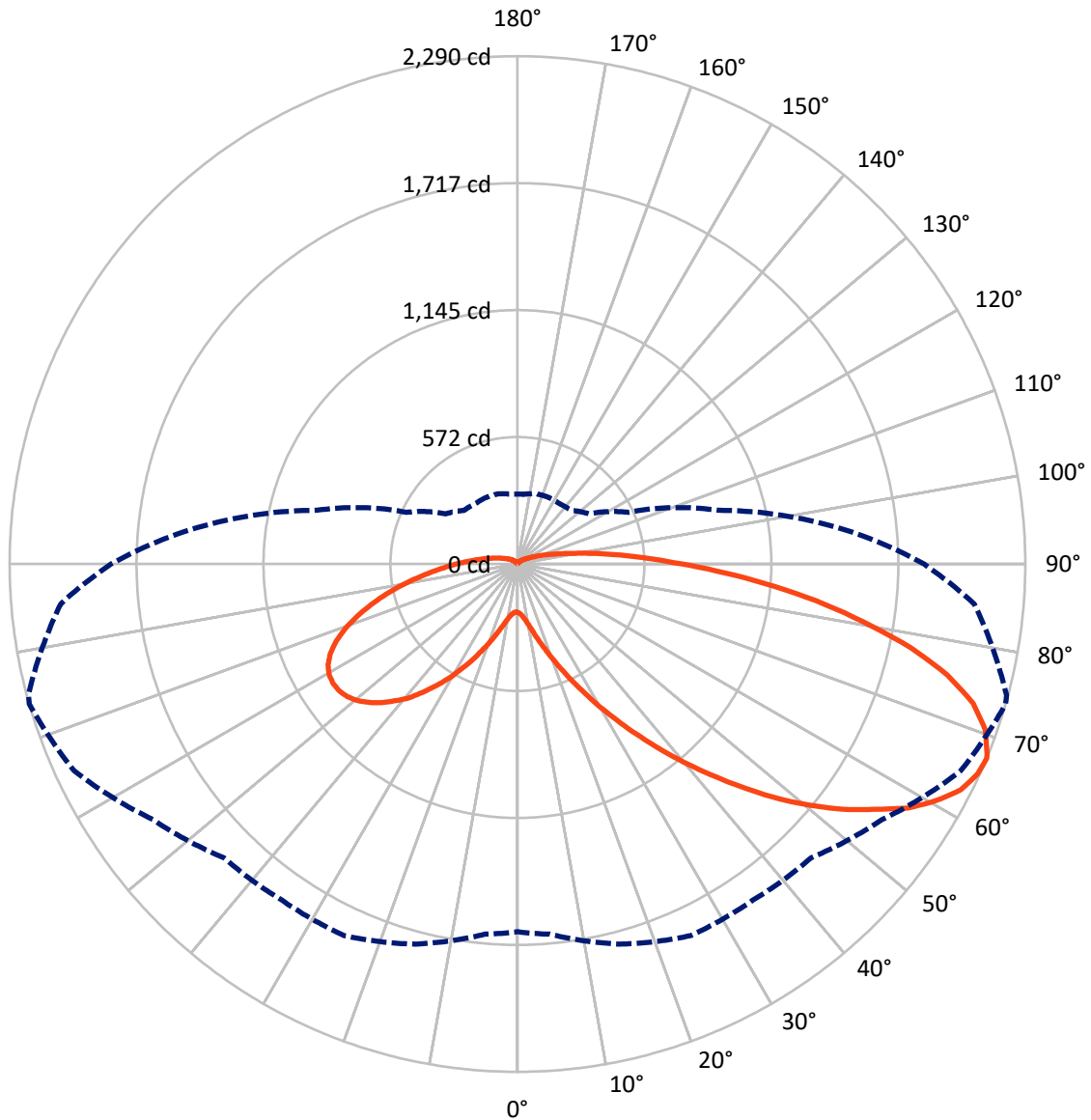
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	1490.2	184.3	1674.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4186.6	320.9	4507.5
	% Fixture	67.7	5.2	72.9
Total	Lumens	5676.8	505.2	6182.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	0.4
10°-20°	94.9	1.5
20°-30°	240.1	3.9
30°-40°	481.8	7.8
40°-50°	808.8	13.1
50°-60°	1134.7	18.4
60°-70°	1268.2	20.5
70°-80°	1034.7	16.7
80°-90°	590.6	9.6
90°-100°	269.9	4.4
100°-110°	123.5	2.0
110°-120°	60.9	1.0
120°-130°	31.0	0.5
130°-140°	14.4	0.2
140°-150°	4.7	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5676.8	91.8
0°-180°	6182.0	100.0

Coefficient of Utilization



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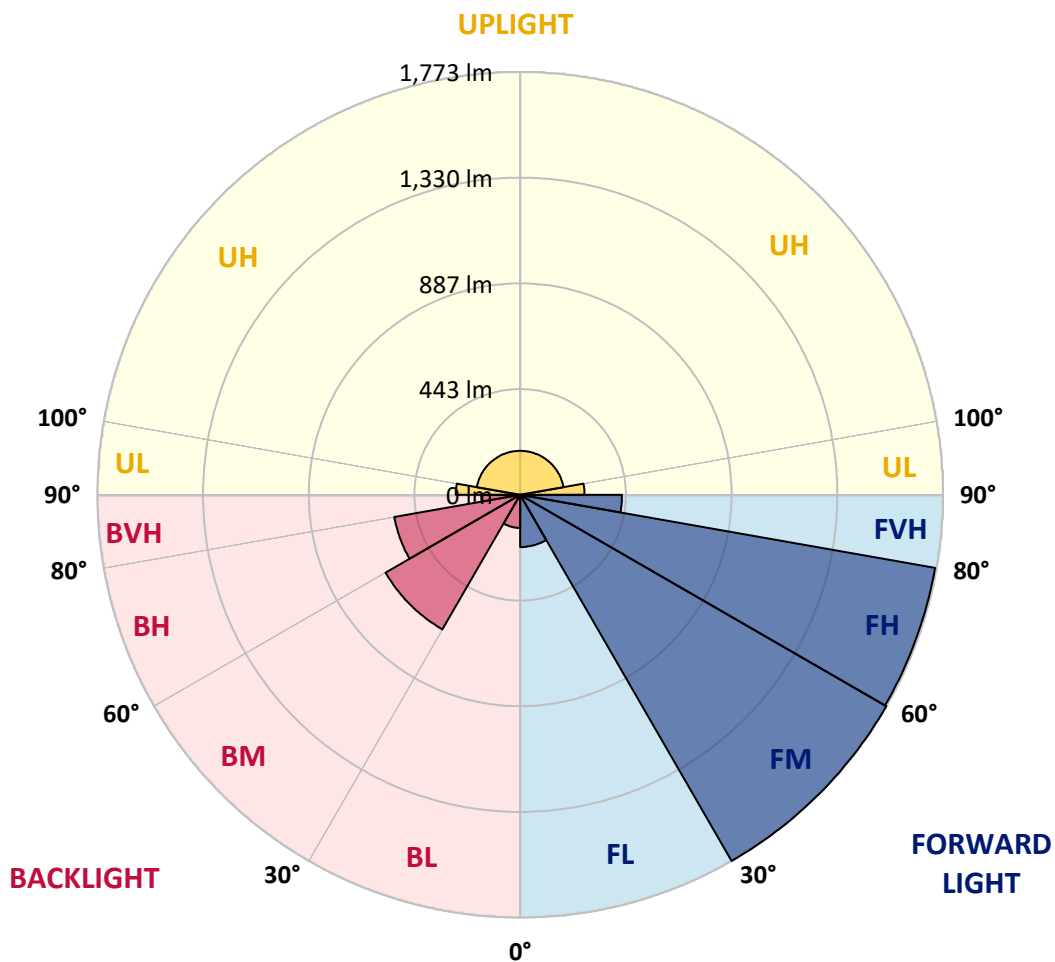
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.1	3.5			
FM	(30°-60°)	1773.4	28.7			
FH	(60°-80°)	1767.1	28.6			G1/1800
FVH	(80°-90°)	427.0	6.9			G3/500
BL	(0°-30°)	138.9	2.2	B1/500		
BM	(30°-60°)	651.9	10.5	B1/1000		
BH	(60°-80°)	535.8	8.7	B2/1000		G2/1000
BVH	(80°-90°)	163.6	2.6			G2/225
UL	(90°-100°)	269.9	4.4		U3/500	
UH	(100°-180°)	184.3	3.0		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°	74°	75°	85°
0°	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1
2.5°	237.0	235.5	235.5	234.1	233.3	230.4	228.3	225.3	223.9	223.2	221.0
5°	258.8	256.6	256.6	255.1	252.2	248.6	243.5	240.6	235.5	236.2	229.7
7.5°	285.0	284.2	282.8	279.9	276.2	271.9	266.8	260.2	254.4	254.4	246.4
10°	319.8	315.5	315.5	311.8	308.2	301.7	294.4	287.1	279.1	278.4	267.5
12.5°	362.0	361.3	356.9	351.8	346.0	339.5	327.8	320.6	312.6	311.8	300.2
15°	411.4	409.3	403.4	401.3	392.5	380.9	371.5	364.2	356.2	353.3	338.0
17.5°	469.6	466.7	464.5	453.6	446.3	436.9	426.0	416.5	402.7	401.3	384.5
20°	537.9	531.4	524.8	516.1	504.5	495.8	484.1	475.4	459.4	459.4	436.9
22.5°	609.9	608.4	602.6	588.1	572.1	563.4	552.5	535.0	521.9	518.3	493.6
25°	697.1	695.7	684.0	668.8	652.0	639.0	621.5	602.6	591.7	591.0	563.4
27.5°	796.0	798.2	777.8	758.2	735.6	714.6	695.7	686.2	671.7	669.5	637.5
30°	915.2	905.7	884.7	856.3	825.1	798.2	778.5	769.1	759.6	758.9	720.4
32.5°	1036.6	1025.7	1007.5	968.3	924.6	883.2	873.8	865.8	854.9	849.0	810.5
35°	1171.1	1162.3	1136.2	1084.6	1026.4	981.3	961.7	963.2	958.1	955.2	908.6
37.5°	1319.4	1304.1	1268.5	1218.3	1132.5	1083.8	1061.3	1073.7	1070.8	1064.9	1016.2
40°	1458.9	1456.7	1418.9	1341.2	1254.7	1185.6	1170.3	1191.4	1187.8	1180.5	1126.7
42.5°	1620.3	1604.3	1562.1	1474.9	1370.2	1293.9	1277.2	1308.5	1312.8	1314.3	1242.3
45°	1758.4	1751.1	1711.2	1610.9	1490.2	1407.3	1393.5	1426.9	1441.5	1442.9	1363.7
47.5°	1892.9	1890.0	1849.3	1745.3	1607.2	1519.3	1501.1	1549.1	1579.6	1573.1	1479.3
50°	1993.9	1999.0	1966.3	1867.5	1723.5	1618.8	1623.2	1682.1	1710.4	1706.8	1602.9
52.5°	2080.4	2073.2	2059.4	1965.6	1815.8	1719.9	1725.0	1795.5	1837.6	1835.5	1719.9
55°	2112.4	2110.2	2111.7	2035.4	1891.4	1802.8	1818.0	1917.6	1952.5	1948.1	1815.1
57.5°	2105.9	2104.4	2127.0	2076.8	1952.5	1868.2	1903.1	2017.9	2075.4	2069.5	1915.4
60°	2056.5	2049.9	2098.6	2080.4	1977.2	1908.9	1969.9	2105.9	2167.7	2166.2	1997.6
62.5°	1945.2	1955.4	2023.0	2039.7	1969.9	1930.0	2009.9	2174.2	2243.3	2238.2	2056.5
65°	1790.4	1815.8	1897.3	1955.4	1920.5	1911.1	2024.5	2204.7	2281.1	2280.3	2077.5
67°	1658.1	1675.5	1774.4	1848.6	1850.7	1872.5	2007.7	2205.5	2289.8	2283.2	2067.4
67.5°	1611.6	1634.8	1735.2	1825.3	1834.7	1861.6	2001.2	2204.0	2284.0	2280.3	2062.3
70°	1400.8	1427.7	1537.4	1650.8	1709.0	1767.1	1941.6	2163.3	2237.5	2229.5	2003.4
72.5°	1187.1	1224.9	1328.8	1463.3	1548.3	1644.3	1838.4	2061.5	2148.8	2132.1	1888.5
75°	982.1	1007.5	1108.5	1253.9	1364.4	1494.5	1697.4	1924.2	2002.7	1988.8	1742.4
77.5°	782.9	806.2	903.6	1049.7	1174.7	1320.8	1532.3	1751.9	1812.9	1804.9	1557.1
80°	617.9	634.6	728.4	858.5	987.2	1143.4	1344.1	1540.3	1580.3	1586.1	1352.8
82.5°	475.4	497.2	578.6	693.5	814.9	963.9	1138.4	1312.1	1356.4	1341.9	1143.4
85°	363.5	381.6	454.3	551.7	673.1	798.9	954.4	1096.9	1116.5	1099.8	926.8
87.5°	284.2	298.0	354.7	449.2	545.9	653.5	777.8	886.8	897.0	894.1	742.2
90°	220.3	232.6	279.9	354.7	443.4	535.7	633.1	709.5	704.4	708.7	585.2
92.5°	173.0	179.5	222.4	288.6	362.7	436.9	511.0	561.9	561.2	548.8	456.5
95°	140.3	143.9	181.0	236.2	295.9	354.7	410.0	442.7	441.2	428.2	356.2
97.5°	113.4	115.6	147.6	194.1	244.2	290.0	330.0	353.3	341.7	336.6	279.1
100°	93.0	94.5	122.1	162.1	203.5	242.8	271.1	280.6	264.6	261.7	219.5
102.5°	79.2	80.0	103.2	137.4	170.1	199.9	221.0	225.3	206.4	207.9	173.0
105°	67.6	68.3	86.5	117.0	144.7	167.2	182.5	180.3	165.0	162.8	138.1
107.5°	58.9	59.6	74.1	100.3	124.3	143.2	151.2	146.1	132.3	129.4	111.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	51.6	52.3	64.0	85.8	106.9	122.8	127.2	119.2	106.9	103.9	91.6
112.5°	46.5	46.5	56.0	74.1	93.0	106.1	107.6	99.6	85.8	84.3	76.3
115°	42.2	42.2	49.4	64.0	80.7	90.9	90.9	81.4	70.5	69.8	64.0
117.5°	38.5	38.5	43.6	56.0	69.8	78.5	77.1	68.3	58.9	58.2	55.2
120°	35.6	35.6	39.3	48.7	60.3	66.9	65.4	56.7	49.4	48.7	47.2
122.5°	32.7	33.4	35.6	42.9	52.3	57.4	56.0	48.7	42.2	41.4	41.4
125°	30.5	30.5	32.0	37.1	45.1	49.4	47.2	40.0	35.6	35.6	35.6
127.5°	28.3	28.3	29.1	32.7	38.5	41.4	39.3	33.4	31.3	30.5	31.3
130°	26.2	26.2	26.9	28.3	32.7	34.2	32.0	28.3	26.2	26.2	26.9
132.5°	24.0	24.0	24.0	24.7	26.9	28.3	26.2	23.3	22.5	22.5	23.3
135°	21.8	22.5	21.8	21.8	22.5	22.5	20.4	18.9	18.9	19.6	20.4
137.5°	19.6	19.6	18.9	18.2	18.2	17.4	16.0	15.3	16.0	16.0	16.7
140°	17.4	17.4	16.7	15.3	13.8	13.1	12.4	11.6	13.1	13.1	13.8
142.5°	15.3	15.3	13.8	12.4	10.2	8.7	8.0	8.7	10.2	10.2	10.9
145°	12.4	12.4	11.6	10.2	7.3	5.8	5.1	6.5	7.3	7.3	8.0
147.5°	10.2	9.4	8.7	7.3	5.1	3.6	2.9	4.4	5.1	5.1	5.8
150°	7.3	7.3	6.5	5.1	2.9	1.5	1.5	2.2	2.9	2.9	3.6
152.5°	5.1	5.1	4.4	2.9	1.5	0.0	0.7	1.5	1.5	1.5	2.2
155°	2.9	2.9	2.9	2.2	0.7	0.0	0.0	0.7	0.7	0.7	1.5
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	1.5	0.7	0.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1	218.1
2.5°	219.5	218.1	216.6	214.4	213.0	211.5	210.1	209.4	209.4	208.6	209.4
5°	227.5	225.3	221.0	217.3	213.0	210.1	207.2	205.7	204.3	203.5	203.5
7.5°	242.1	239.2	231.9	225.3	218.8	213.7	210.1	206.4	205.0	204.3	204.3
10°	263.1	258.8	247.9	238.4	229.0	222.4	215.9	212.3	210.1	208.6	208.6
12.5°	292.9	285.7	271.9	255.9	243.5	234.8	226.8	223.2	222.4	222.4	222.4
15°	332.9	322.8	301.7	282.8	264.6	249.3	243.5	243.5	242.8	242.1	242.8
17.5°	374.4	362.7	336.6	312.6	290.0	274.8	265.3	263.1	262.4	261.7	262.4
20°	423.8	409.3	378.7	346.0	317.7	303.1	290.0	284.2	283.5	284.2	282.8
22.5°	479.8	463.8	418.7	379.5	348.2	327.8	312.6	304.6	306.0	306.0	305.3
25°	547.4	522.7	469.6	416.5	378.7	350.4	332.9	324.9	325.7	327.1	328.6
27.5°	615.7	587.3	519.7	455.1	405.6	372.9	352.6	343.8	343.1	347.5	346.7
30°	695.7	659.3	575.0	494.3	430.3	388.9	367.8	360.6	359.8	363.5	364.2
32.5°	781.4	736.4	632.4	533.6	452.1	402.7	378.7	373.6	372.2	375.8	376.5
35°	875.2	817.8	688.4	567.7	470.3	412.2	387.4	381.6	379.5	383.1	384.5
37.5°	966.1	899.2	745.8	598.3	484.9	418.0	391.1	386.7	383.8	386.0	386.7
40°	1062.0	990.8	804.0	625.9	493.6	420.9	392.5	388.2	385.3	385.3	385.3
42.5°	1167.4	1075.1	851.2	645.5	498.7	420.2	391.1	386.0	382.4	379.5	379.5
45°	1275.7	1166.0	899.9	661.5	499.4	416.5	387.4	383.1	377.3	371.5	370.7
47.5°	1381.1	1248.1	942.8	670.2	497.2	411.4	382.4	376.5	371.5	362.7	362.7
50°	1483.6	1330.3	978.4	674.6	490.7	405.6	377.3	371.5	364.9	353.3	351.8
52.5°	1577.4	1405.1	1005.3	673.1	481.2	397.6	370.7	365.6	357.6	343.8	343.8
55°	1669.7	1474.2	1022.0	663.7	469.6	388.9	364.9	359.8	351.1	336.6	335.1
57.5°	1745.3	1523.6	1028.6	649.1	456.5	379.5	359.1	354.0	346.0	330.0	330.0
60°	1809.3	1565.1	1024.2	630.2	442.0	370.7	351.8	348.9	341.7	326.4	326.4
62.5°	1846.4	1581.8	1007.5	606.2	425.2	361.3	345.3	343.8	337.3	322.8	322.8
65°	1854.4	1570.9	973.3	576.4	408.5	350.4	338.0	337.3	332.9	319.1	317.7
67°	1832.6	1542.5	935.5	551.0	394.0	341.7	331.5	331.5	327.8	315.5	314.8
67.5°	1824.6	1531.6	925.4	544.5	391.1	340.2	330.0	330.7	327.1	314.8	312.6
70°	1754.8	1458.2	862.9	507.4	370.7	327.1	320.6	321.3	318.4	308.9	306.8
72.5°	1646.5	1352.8	789.4	471.8	350.4	314.0	307.5	310.4	307.5	300.2	295.9
75°	1500.4	1224.1	713.1	431.1	330.0	298.0	293.7	295.1	294.4	287.1	283.5
77.5°	1328.1	1082.4	631.7	393.3	307.5	282.0	277.7	279.9	278.4	271.9	267.5
80°	1141.3	932.6	553.2	355.5	284.2	263.9	259.5	260.2	259.5	253.0	247.2
82.5°	958.1	785.8	473.2	318.4	261.7	244.2	239.2	238.4	237.0	229.7	225.3
85°	790.9	645.5	404.2	282.8	238.4	222.4	218.1	215.2	213.0	205.0	202.1
87.5°	630.2	527.7	341.7	252.2	215.2	202.1	196.3	191.2	187.5	180.3	177.4
90°	503.0	425.2	291.5	221.0	194.1	182.5	174.5	167.9	163.6	155.6	151.2
92.5°	399.1	338.7	245.0	194.1	173.7	163.6	156.3	148.3	142.5	132.3	130.1
95°	316.2	272.6	206.4	170.1	154.1	145.4	138.8	130.1	122.1	111.9	109.8
97.5°	250.1	222.4	173.7	149.0	135.9	128.7	122.1	113.4	104.7	94.5	93.0
100°	199.9	178.8	149.0	130.1	121.4	114.1	107.6	99.6	88.7	78.5	78.5
102.5°	160.6	146.8	125.0	114.1	106.9	101.0	95.2	87.2	75.6	64.7	64.7
105°	130.1	121.4	107.6	99.6	94.5	90.1	84.3	74.9	63.2	54.5	54.5
107.5°	106.9	100.3	92.3	86.5	83.6	79.2	74.1	64.7	53.8	45.8	45.8



REPORT NUMBER: P416564

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	88.7	84.3	78.5	76.3	74.1	70.5	64.7	56.0	45.1	39.3	39.3
112.5°	74.1	72.0	67.6	66.9	65.4	62.5	56.7	48.0	37.8	34.2	34.2
115°	63.2	61.8	58.9	58.9	57.4	55.2	49.4	41.4	32.7	29.1	29.8
117.5°	53.8	53.1	51.6	51.6	50.9	48.7	42.9	35.6	27.6	26.2	26.2
120°	47.2	46.5	45.8	45.1	45.1	42.2	37.1	29.8	24.0	23.3	23.3
122.5°	40.7	40.7	40.0	40.0	39.3	36.3	32.0	25.4	21.1	20.4	20.4
125°	35.6	35.6	34.9	34.9	34.2	32.0	27.6	21.8	18.2	18.2	18.2
127.5°	31.3	31.3	30.5	30.5	29.8	26.9	23.3	18.2	16.0	16.0	16.7
130°	27.6	27.6	26.9	26.2	25.4	23.3	18.9	15.3	13.8	14.5	14.5
132.5°	24.0	23.3	23.3	22.5	21.1	18.9	16.0	13.1	12.4	13.1	13.1
135°	20.4	20.4	19.6	18.9	17.4	16.0	13.1	10.9	10.9	11.6	11.6
137.5°	17.4	17.4	16.7	15.3	14.5	12.4	10.2	8.7	9.4	10.2	10.2
140°	13.8	14.5	13.8	12.4	10.9	9.4	8.0	7.3	8.0	8.7	9.4
142.5°	11.6	11.6	10.9	9.4	8.0	6.5	5.8	5.8	7.3	8.0	8.0
145°	8.7	8.7	8.0	7.3	5.1	4.4	3.6	5.1	5.8	6.5	6.5
147.5°	5.8	5.8	5.8	4.4	2.9	2.2	2.2	3.6	5.1	5.1	5.1
150°	3.6	3.6	3.6	2.9	1.5	0.7	1.5	2.9	3.6	4.4	4.4
152.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	2.2	2.9	2.9	2.9
155°	1.5	1.5	1.5	0.7	0.7	0.0	0.7	1.5	2.2	2.2	2.2
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5	0.7	0.7
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)