

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: P414068

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414068
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-PA1-100-830-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7378 lumens
Efficiency: N/A
Efficacy: 76.9 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

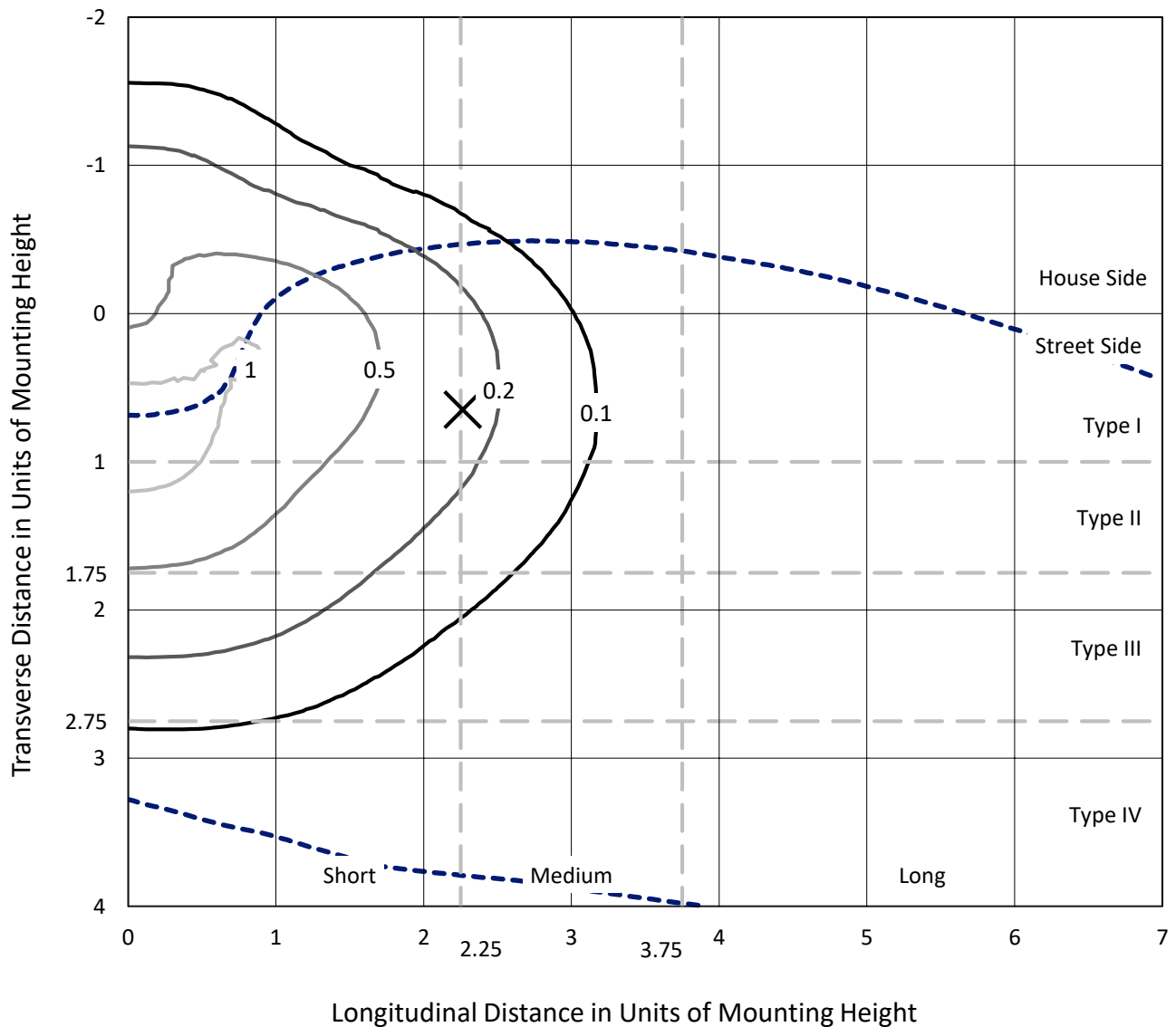
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

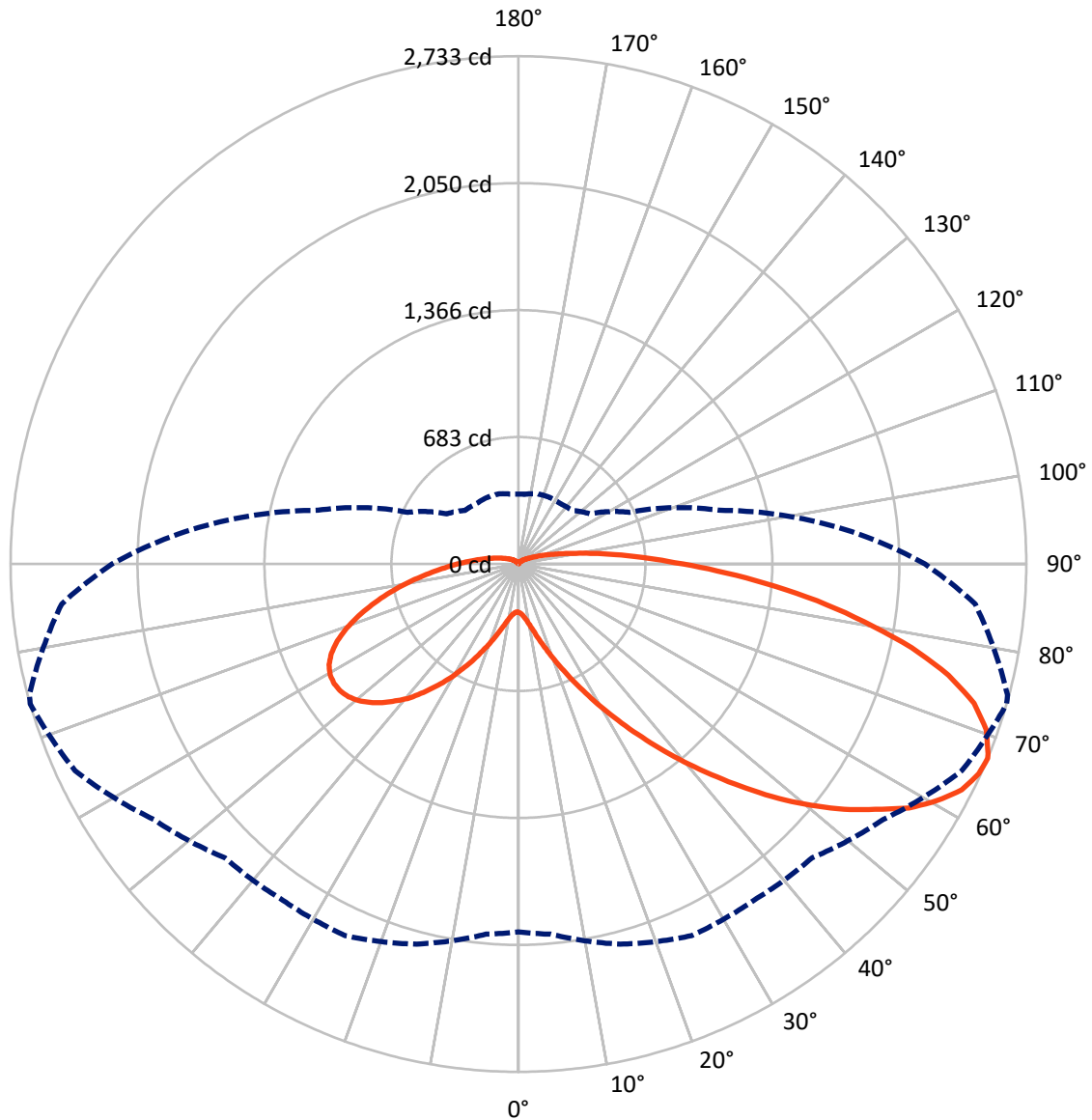


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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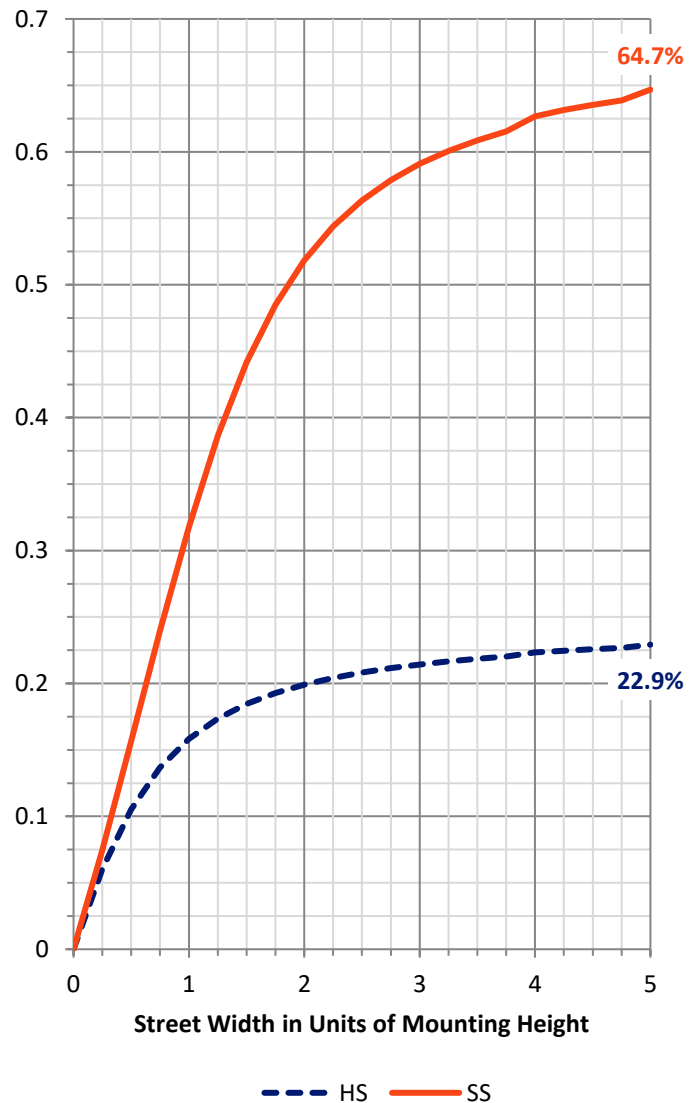
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1778.5	219.9	1998.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4996.6	382.9	5379.5
	% Fixture	67.7	5.2	72.9
Total	Lumens	6775.1	602.9	7378.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.4
10°-20°	113.2	1.5
20°-30°	286.6	3.9
30°-40°	575.0	7.8
40°-50°	965.3	13.1
50°-60°	1354.2	18.4
60°-70°	1513.6	20.5
70°-80°	1234.9	16.7
80°-90°	704.9	9.6
90°-100°	322.2	4.4
100°-110°	147.4	2.0
110°-120°	72.7	1.0
120°-130°	37.0	0.5
130°-140°	17.2	0.2
140°-150°	5.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6775.1	91.8
0°-180°	7378.0	100.0

Coefficient of Utilization



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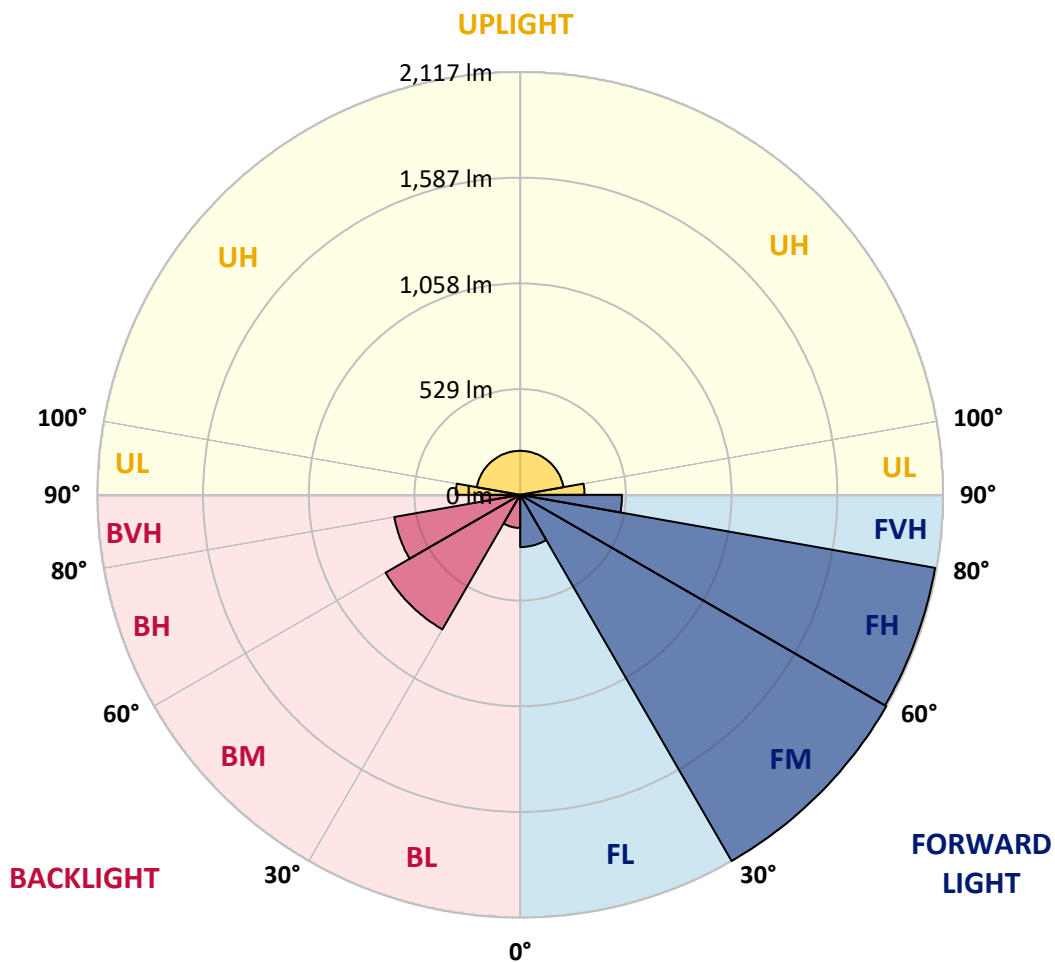
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.5	3.5			
FM	(30°-60°)	2116.5	28.7			
FH	(60°-80°)	2108.9	28.6			G2/5000
FVH	(80°-90°)	509.7	6.9			G4/750
BL	(0°-30°)	165.7	2.2	B1/500		
BM	(30°-60°)	778.0	10.5	B1/1000		
BH	(60°-80°)	639.5	8.7	B2/1000		G2/1000
BVH	(80°-90°)	195.2	2.6			G2/225
UL	(90°-100°)	322.2	4.4		U3/500	
UH	(100°-180°)	219.9	3.0		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°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	282.8	281.1	281.1	279.4	278.5	275.0	272.4	268.9	267.2	266.3	263.7
5°	308.8	306.2	306.2	304.5	301.0	296.7	290.6	287.2	281.1	282.0	274.1
7.5°	340.1	339.2	337.5	334.0	329.7	324.5	318.4	310.6	303.6	303.6	294.1
10°	381.7	376.5	376.5	372.2	367.8	360.0	351.4	342.7	333.1	332.3	319.3
12.5°	432.0	431.2	426.0	419.9	413.0	405.1	391.3	382.6	373.0	372.2	358.3
15°	491.0	488.4	481.5	478.9	468.5	454.6	443.3	434.6	425.1	421.6	403.4
17.5°	560.4	557.0	554.4	541.4	532.7	521.4	508.4	497.1	480.6	478.9	458.9
20°	642.0	634.2	626.4	616.0	602.1	591.7	577.8	567.4	548.3	548.3	521.4
22.5°	727.9	726.1	719.2	701.8	682.8	672.4	659.3	638.5	622.9	618.6	589.1
25°	832.0	830.2	816.4	798.1	778.2	762.6	741.8	719.2	706.2	705.3	672.4
27.5°	950.0	952.6	928.3	904.9	878.0	852.8	830.2	819.0	801.6	799.0	760.8
30°	1092.2	1081.0	1055.8	1022.0	984.7	952.6	929.1	917.9	906.6	905.7	859.7
32.5°	1237.1	1224.1	1202.4	1155.6	1103.5	1054.1	1042.8	1033.3	1020.2	1013.3	967.3
35°	1397.6	1387.2	1356.0	1294.4	1225.0	1171.2	1147.8	1149.5	1143.4	1140.0	1084.4
37.5°	1574.6	1556.4	1513.9	1454.0	1351.6	1293.5	1266.6	1281.4	1277.9	1271.0	1212.8
40°	1741.2	1738.6	1693.5	1600.6	1497.4	1415.0	1396.8	1421.9	1417.6	1408.9	1344.7
42.5°	1933.8	1914.7	1864.4	1760.3	1635.3	1544.2	1524.3	1561.6	1566.8	1568.5	1482.6
45°	2098.6	2089.9	2042.2	1922.5	1778.5	1679.6	1663.1	1703.0	1720.4	1722.1	1627.5
47.5°	2259.1	2255.6	2207.0	2083.0	1918.2	1813.2	1791.5	1848.8	1885.2	1877.4	1765.5
50°	2379.7	2385.8	2346.7	2228.7	2057.0	1932.0	1937.2	2007.5	2041.3	2037.0	1913.0
52.5°	2482.9	2474.3	2457.8	2345.9	2167.1	2052.6	2058.7	2142.9	2193.2	2190.6	2052.6
55°	2521.1	2518.5	2520.2	2429.1	2257.4	2151.5	2169.7	2288.6	2330.2	2325.0	2166.3
57.5°	2513.3	2511.6	2538.5	2478.6	2330.2	2229.6	2271.2	2408.3	2476.9	2469.9	2286.0
60°	2454.3	2446.5	2504.6	2482.9	2359.7	2278.2	2351.1	2513.3	2587.0	2585.3	2384.0
62.5°	2321.6	2333.7	2414.4	2434.3	2351.1	2303.3	2398.8	2594.8	2677.3	2671.2	2454.3
65°	2136.8	2167.1	2264.3	2333.7	2292.1	2280.8	2416.1	2631.3	2722.4	2721.5	2479.5
67°	1978.9	1999.7	2117.7	2206.2	2208.8	2234.8	2396.2	2632.1	2732.8	2725.0	2467.3
67.5°	1923.4	1951.1	2070.8	2178.4	2189.7	2221.8	2388.4	2630.4	2725.8	2721.5	2461.2
70°	1671.8	1703.9	1834.9	1970.2	2039.6	2109.0	2317.2	2581.8	2670.3	2660.8	2391.0
72.5°	1416.7	1461.8	1585.9	1746.4	1847.9	1962.4	2194.0	2460.4	2564.5	2544.5	2253.9
75°	1172.1	1202.4	1323.0	1496.5	1628.4	1783.7	2025.7	2296.4	2390.1	2373.6	2079.5
77.5°	934.4	962.1	1078.4	1252.7	1402.0	1576.3	1828.8	2090.8	2163.7	2154.1	1858.3
80°	737.4	757.4	869.3	1024.6	1178.1	1364.7	1604.1	1838.3	1886.1	1893.0	1614.5
82.5°	567.4	593.4	690.6	827.6	972.5	1150.4	1358.6	1565.9	1618.9	1601.5	1364.7
85°	433.8	455.5	542.2	658.5	803.4	953.4	1139.1	1309.1	1332.6	1312.6	1106.1
87.5°	339.2	355.7	423.4	536.1	651.5	779.9	928.3	1058.4	1070.6	1067.1	885.8
90°	262.9	277.6	334.0	423.4	529.2	639.4	755.6	846.7	840.7	845.9	698.4
92.5°	206.5	214.3	265.5	344.4	432.9	521.4	609.9	670.6	669.7	655.0	544.8
95°	167.4	171.8	216.0	282.0	353.1	423.4	489.3	528.3	526.6	511.0	425.1
97.5°	135.3	137.9	176.1	231.6	291.5	346.2	393.9	421.6	407.7	401.7	333.1
100°	111.0	112.8	145.7	193.5	242.9	289.8	323.6	334.9	315.8	312.3	262.0
102.5°	94.6	95.4	123.2	164.0	203.0	238.6	263.7	268.9	246.4	248.1	206.5
105°	80.7	81.5	103.2	139.7	172.6	199.5	217.8	215.2	196.9	194.3	164.8
107.5°	70.3	71.1	88.5	119.7	148.4	170.9	180.5	174.4	157.9	154.4	132.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	61.6	62.5	76.3	102.4	127.5	146.6	151.8	142.3	127.5	124.1	109.3
112.5°	55.5	55.5	66.8	88.5	111.0	126.7	128.4	118.9	102.4	100.6	91.1
115°	50.3	50.3	59.0	76.3	96.3	108.4	108.4	97.2	84.2	83.3	76.3
117.5°	46.0	46.0	52.1	66.8	83.3	93.7	92.0	81.5	70.3	69.4	65.9
120°	42.5	42.5	46.8	58.1	72.0	79.8	78.1	67.7	59.0	58.1	56.4
122.5°	39.0	39.9	42.5	51.2	62.5	68.5	66.8	58.1	50.3	49.5	49.5
125°	36.4	36.4	38.2	44.2	53.8	59.0	56.4	47.7	42.5	42.5	42.5
127.5°	33.8	33.8	34.7	39.0	46.0	49.5	46.8	39.9	37.3	36.4	37.3
130°	31.2	31.2	32.1	33.8	39.0	40.8	38.2	33.8	31.2	31.2	32.1
132.5°	28.6	28.6	28.6	29.5	32.1	33.8	31.2	27.8	26.9	26.9	27.8
135°	26.0	26.9	26.0	26.0	26.9	26.9	24.3	22.6	22.6	23.4	24.3
137.5°	23.4	23.4	22.6	21.7	21.7	20.8	19.1	18.2	19.1	19.1	20.0
140°	20.8	20.8	20.0	18.2	16.5	15.6	14.7	13.9	15.6	15.6	16.5
142.5°	18.2	18.2	16.5	14.7	12.1	10.4	9.5	10.4	12.1	12.1	13.0
145°	14.7	14.7	13.9	12.1	8.7	6.9	6.1	7.8	8.7	8.7	9.5
147.5°	12.1	11.3	10.4	8.7	6.1	4.3	3.5	5.2	6.1	6.1	6.9
150°	8.7	8.7	7.8	6.1	3.5	1.7	1.7	2.6	3.5	3.5	4.3
152.5°	6.1	6.1	5.2	3.5	1.7	0.0	0.9	1.7	1.7	1.7	2.6
155°	3.5	3.5	3.5	2.6	0.9	0.0	0.0	0.9	0.9	0.9	1.7
157.5°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	1.7	0.9	0.9	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°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3
2.5°	262.0	260.3	258.5	255.9	254.2	252.5	250.7	249.9	249.9	249.0	249.9
5°	271.5	268.9	263.7	259.4	254.2	250.7	247.3	245.5	243.8	242.9	242.9
7.5°	288.9	285.4	276.7	268.9	261.1	255.1	250.7	246.4	244.6	243.8	243.8
10°	314.1	308.8	295.8	284.6	273.3	265.5	257.7	253.3	250.7	249.0	249.0
12.5°	349.6	340.9	324.5	305.4	290.6	280.2	270.7	266.3	265.5	265.5	265.5
15°	397.3	385.2	360.0	337.5	315.8	297.6	290.6	290.6	289.8	288.9	289.8
17.5°	446.8	432.9	401.7	373.0	346.2	327.9	316.7	314.1	313.2	312.3	313.2
20°	505.8	488.4	452.0	413.0	379.1	361.8	346.2	339.2	338.3	339.2	337.5
22.5°	572.6	553.5	499.7	452.9	415.6	391.3	373.0	363.5	365.2	365.2	364.4
25°	653.3	623.8	560.4	497.1	452.0	418.2	397.3	387.8	388.7	390.4	392.1
27.5°	734.8	701.0	620.3	543.1	484.1	445.1	420.8	410.4	409.5	414.7	413.8
30°	830.2	786.9	686.2	589.9	513.6	464.1	439.0	430.3	429.4	433.8	434.6
32.5°	932.6	878.8	754.8	636.8	539.6	480.6	452.0	445.9	444.2	448.5	449.4
35°	1044.5	976.0	821.6	677.6	561.3	491.9	462.4	455.5	452.9	457.2	458.9
37.5°	1153.0	1073.2	890.1	714.0	578.7	498.8	466.7	461.5	458.1	460.7	461.5
40°	1267.5	1182.5	959.5	747.0	589.1	502.3	468.5	463.3	459.8	459.8	459.8
42.5°	1393.3	1283.1	1015.9	770.4	595.1	501.4	466.7	460.7	456.3	452.9	452.9
45°	1522.6	1391.6	1074.0	789.5	596.0	497.1	462.4	457.2	450.3	443.3	442.5
47.5°	1648.3	1489.6	1125.2	799.9	593.4	491.0	456.3	449.4	443.3	432.9	432.9
50°	1770.7	1587.6	1167.7	805.1	585.6	484.1	450.3	443.3	435.5	421.6	419.9
52.5°	1882.6	1677.0	1199.8	803.4	574.3	474.6	442.5	436.4	426.8	410.4	410.4
55°	1992.8	1759.4	1219.8	792.1	560.4	464.1	435.5	429.4	419.0	401.7	399.9
57.5°	2083.0	1818.4	1227.6	774.7	544.8	452.9	428.6	422.5	413.0	393.9	393.9
60°	2159.3	1867.8	1222.4	752.2	527.5	442.5	419.9	416.4	407.7	389.5	389.5
62.5°	2203.6	1887.8	1202.4	723.5	507.5	431.2	412.1	410.4	402.5	385.2	385.2
65°	2213.1	1874.8	1161.7	688.0	487.6	418.2	403.4	402.5	397.3	380.9	379.1
67°	2187.1	1840.9	1116.5	657.6	470.2	407.7	395.6	395.6	391.3	376.5	375.6
67.5°	2177.6	1827.9	1104.4	649.8	466.7	406.0	393.9	394.7	390.4	375.6	373.0
70°	2094.3	1740.3	1029.8	605.6	442.5	390.4	382.6	383.5	380.0	368.7	366.1
72.5°	1965.0	1614.5	942.2	563.0	418.2	374.8	367.0	370.4	367.0	358.3	353.1
75°	1790.6	1461.0	851.1	514.5	393.9	355.7	350.5	352.2	351.4	342.7	338.3
77.5°	1585.0	1291.8	753.9	469.3	367.0	336.6	331.4	334.0	332.3	324.5	319.3
80°	1362.1	1113.1	660.2	424.2	339.2	314.9	309.7	310.6	309.7	301.9	295.0
82.5°	1143.4	937.8	564.8	380.0	312.3	291.5	285.4	284.6	282.8	274.1	268.9
85°	943.9	770.4	482.4	337.5	284.6	265.5	260.3	256.8	254.2	244.6	241.2
87.5°	752.2	629.8	407.7	301.0	256.8	241.2	234.2	228.2	223.8	215.2	211.7
90°	600.3	507.5	347.9	263.7	231.6	217.8	208.2	200.4	195.2	185.7	180.5
92.5°	476.3	404.3	292.4	231.6	207.3	195.2	186.5	177.0	170.0	157.9	155.3
95°	377.4	325.3	246.4	203.0	183.9	173.5	165.7	155.3	145.7	133.6	131.0
97.5°	298.4	265.5	207.3	177.8	162.2	153.6	145.7	135.3	124.9	112.8	111.0
100°	238.6	213.4	177.8	155.3	144.9	136.2	128.4	118.9	105.8	93.7	93.7
102.5°	191.7	175.2	149.2	136.2	127.5	120.6	113.6	104.1	90.2	77.2	77.2
105°	155.3	144.9	128.4	118.9	112.8	107.6	100.6	89.4	75.5	65.1	65.1
107.5°	127.5	119.7	110.2	103.2	99.8	94.6	88.5	77.2	64.2	54.7	54.7



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CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	105.8	100.6	93.7	91.1	88.5	84.2	77.2	66.8	53.8	46.8	46.8
112.5°	88.5	85.9	80.7	79.8	78.1	74.6	67.7	57.3	45.1	40.8	40.8
115°	75.5	73.7	70.3	70.3	68.5	65.9	59.0	49.5	39.0	34.7	35.6
117.5°	64.2	63.3	61.6	61.6	60.7	58.1	51.2	42.5	33.0	31.2	31.2
120°	56.4	55.5	54.7	53.8	53.8	50.3	44.2	35.6	28.6	27.8	27.8
122.5°	48.6	48.6	47.7	47.7	46.8	43.4	38.2	30.4	25.2	24.3	24.3
125°	42.5	42.5	41.6	41.6	40.8	38.2	33.0	26.0	21.7	21.7	21.7
127.5°	37.3	37.3	36.4	36.4	35.6	32.1	27.8	21.7	19.1	19.1	20.0
130°	33.0	33.0	32.1	31.2	30.4	27.8	22.6	18.2	16.5	17.4	17.4
132.5°	28.6	27.8	27.8	26.9	25.2	22.6	19.1	15.6	14.7	15.6	15.6
135°	24.3	24.3	23.4	22.6	20.8	19.1	15.6	13.0	13.0	13.9	13.9
137.5°	20.8	20.8	20.0	18.2	17.4	14.7	12.1	10.4	11.3	12.1	12.1
140°	16.5	17.4	16.5	14.7	13.0	11.3	9.5	8.7	9.5	10.4	11.3
142.5°	13.9	13.9	13.0	11.3	9.5	7.8	6.9	6.9	8.7	9.5	9.5
145°	10.4	10.4	9.5	8.7	6.1	5.2	4.3	6.1	6.9	7.8	7.8
147.5°	6.9	6.9	6.9	5.2	3.5	2.6	2.6	4.3	6.1	6.1	6.1
150°	4.3	4.3	4.3	3.5	1.7	0.9	1.7	3.5	4.3	5.2	5.2
152.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.9	2.6	3.5	3.5	3.5
155°	1.7	1.7	1.7	0.9	0.9	0.0	0.9	1.7	2.6	2.6	2.6
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.7	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

(END OF REPORT)