

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: P255231

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA 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: 5309.1 lumens
Efficiency: N/A
Efficacy: 98.3 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: B1 - U3 - G3

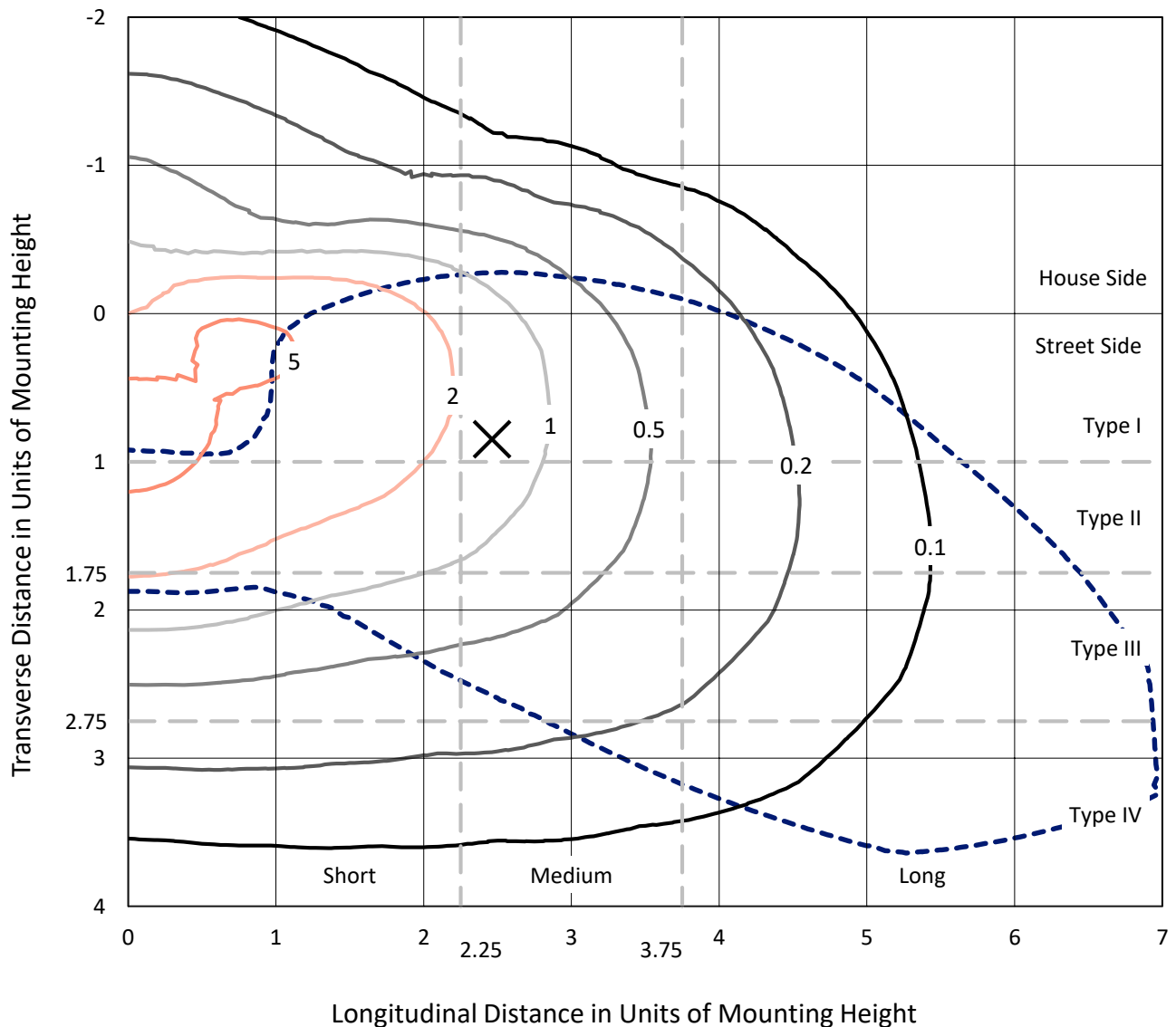
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

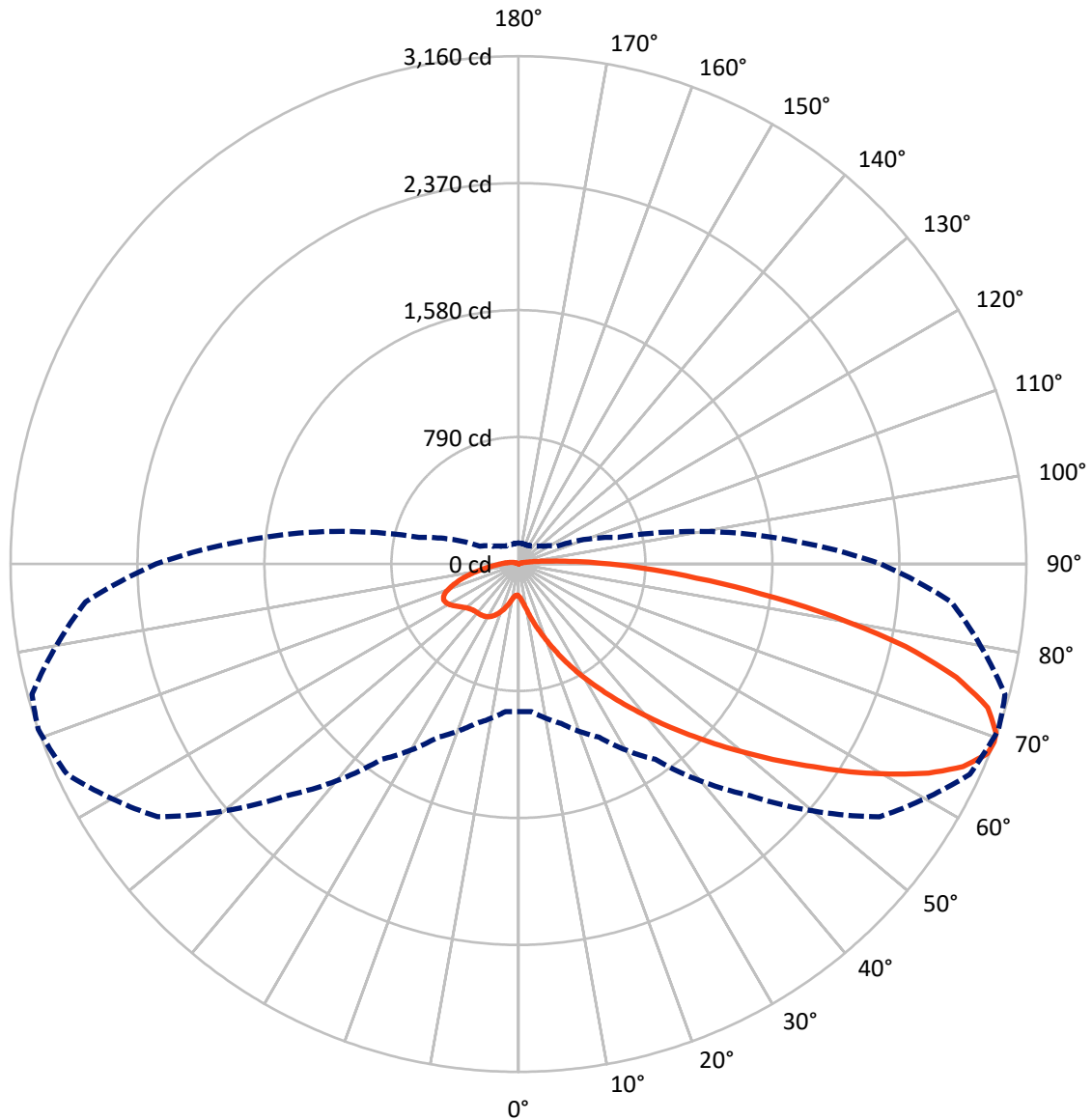
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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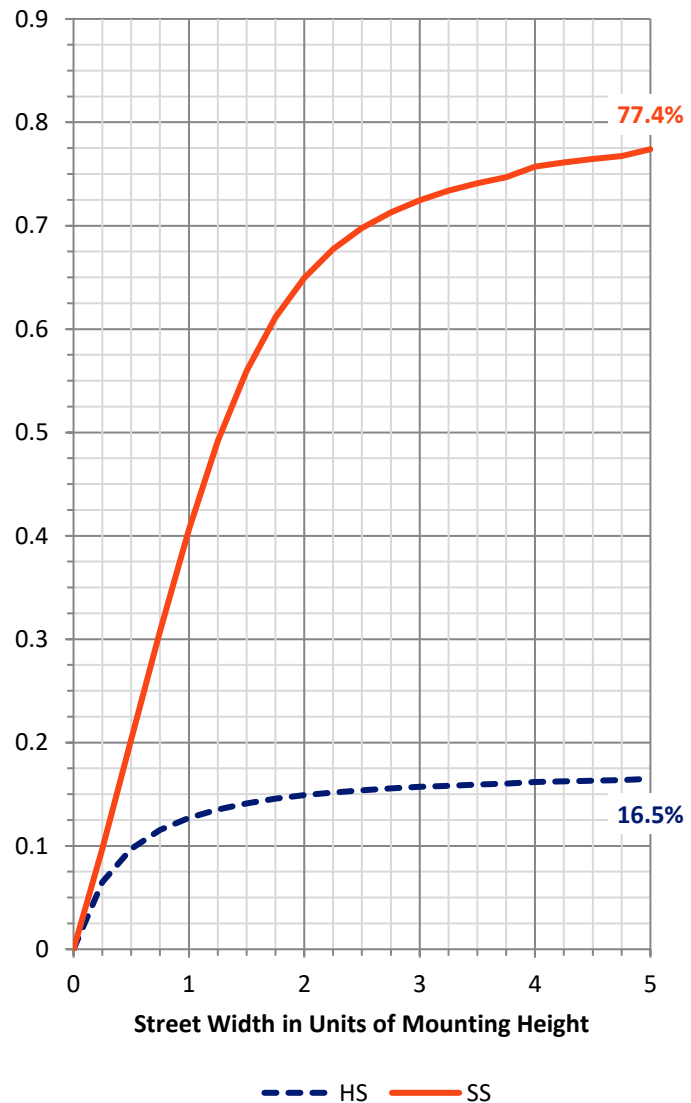
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	912.1	67.8	979.9
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	4224.3	104.9	4329.2
	% Fixture	79.6	2.0	81.5
Total	Lumens	5136.4	172.7	5309.1
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.4
10°-20°	86.4	1.6
20°-30°	208.8	3.9
30°-40°	406.6	7.7
40°-50°	695.8	13.1
50°-60°	1038.3	19.6
60°-70°	1248.6	23.5
70°-80°	999.1	18.8
80°-90°	431.9	8.1
90°-100°	116.0	2.2
100°-110°	35.6	0.7
110°-120°	13.6	0.3
120°-130°	5.0	0.1
130°-140°	1.9	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5136.4	96.7
0°-180°	5309.1	100.0

Coefficient of Utilization



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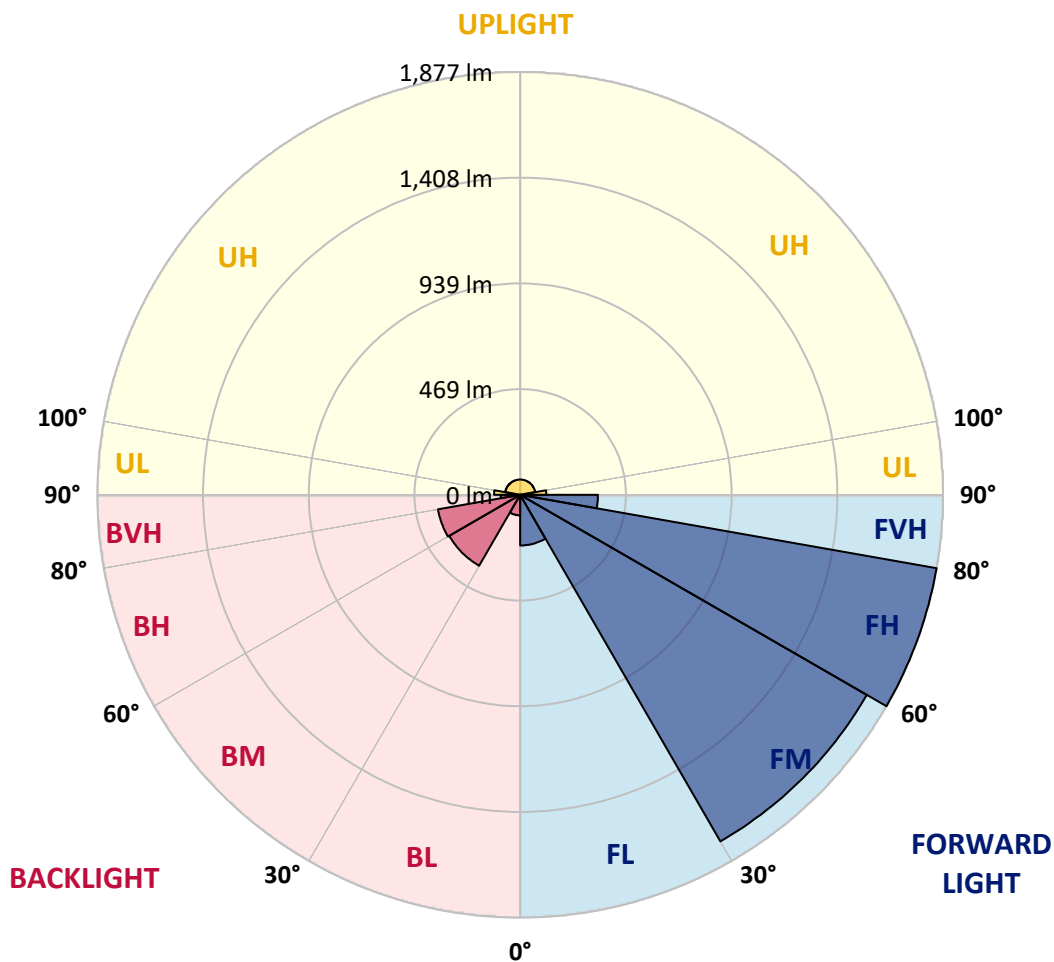
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.9	4.2			
FM	(30°-60°)	1776.9	33.5			
FH	(60°-80°)	1877.3	35.4			G2/5000
FVH	(80°-90°)	345.3	6.5			G3/500
BL	(0°-30°)	91.3	1.7	B0/110		
BM	(30°-60°)	363.8	6.9	B1/1000		
BH	(60°-80°)	370.4	7.0	B1/500		G1/500
BVH	(80°-90°)	86.6	1.6			G1/100
UL	(90°-100°)	116.0	2.2		U3/500	
UH	(100°-180°)	67.8	1.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2
2.5°	225.6	225.6	224.9	225.6	222.3	221.0	217.0	213.0	210.4	209.7	203.8
5°	252.1	252.1	251.3	251.3	247.5	244.8	239.5	232.8	229.6	226.9	217.0
7.5°	282.4	281.8	281.1	281.8	278.5	272.5	267.9	259.3	256.0	250.7	238.1
10°	319.6	318.2	318.9	316.9	311.6	308.9	304.3	295.0	291.1	287.1	272.5
12.5°	364.5	364.5	363.1	359.3	353.9	352.6	350.7	345.3	340.0	334.7	314.3
15°	414.8	413.5	411.5	406.2	401.6	399.0	401.6	398.2	394.2	387.7	363.9
17.5°	472.3	469.7	466.4	459.8	452.5	453.8	456.4	453.8	448.6	446.5	418.1
20°	535.8	535.2	528.6	517.3	510.8	506.8	514.0	517.3	512.7	510.8	478.3
22.5°	611.3	606.6	598.0	584.1	572.2	565.6	573.6	585.4	584.1	581.5	547.1
25°	699.3	692.0	683.3	658.9	639.0	627.8	639.0	655.6	662.3	659.6	619.2
27.5°	797.8	787.9	774.0	745.5	713.1	690.7	706.6	728.3	744.9	746.2	697.2
30°	905.0	896.4	877.9	836.2	790.5	762.8	775.3	808.4	831.6	832.9	779.3
32.5°	1027.3	1018.1	981.1	936.7	877.9	839.5	852.1	895.1	922.9	932.1	868.6
35°	1159.0	1149.1	1118.0	1048.5	972.5	922.9	936.7	990.3	1024.1	1038.0	963.8
37.5°	1299.2	1282.8	1247.0	1169.6	1083.6	1020.1	1026.7	1089.5	1135.9	1153.8	1070.4
40°	1436.2	1429.6	1381.3	1290.7	1186.8	1118.0	1124.0	1197.4	1255.6	1276.1	1184.2
42.5°	1576.5	1561.2	1515.6	1410.4	1296.0	1221.2	1235.7	1318.5	1389.9	1412.4	1303.2
45°	1710.1	1696.9	1638.7	1526.9	1407.8	1333.0	1353.6	1456.1	1530.1	1559.9	1438.9
47.5°	1831.2	1814.0	1755.1	1634.1	1517.5	1450.7	1477.2	1599.0	1685.6	1720.0	1591.0
50°	1918.4	1904.6	1844.4	1726.0	1618.1	1574.5	1623.4	1754.5	1852.4	1898.6	1756.4
52.5°	1956.9	1950.3	1892.7	1786.2	1705.5	1697.5	1787.5	1921.8	2032.9	2083.2	1933.1
55°	1943.0	1933.1	1900.6	1815.3	1772.3	1817.3	1959.5	2113.0	2226.8	2281.0	2122.9
57.5°	1864.2	1857.6	1855.0	1801.4	1811.3	1931.7	2129.5	2327.3	2439.1	2482.8	2312.8
60°	1730.6	1726.6	1753.7	1751.1	1821.3	2025.0	2308.8	2554.2	2653.4	2703.8	2498.7
62.5°	1531.5	1540.8	1603.0	1656.5	1788.8	2087.2	2472.9	2761.3	2865.2	2901.5	2642.9
65°	1298.6	1315.1	1398.5	1507.6	1714.1	2113.0	2621.0	2941.3	3040.5	3053.7	2734.9
67.5°	1039.9	1066.4	1165.7	1317.2	1585.8	2089.2	2714.3	3062.3	3148.3	3131.8	2742.7
69°	918.2	921.6	1026.7	1189.5	1483.9	2038.2	2742.7	3098.0	3160.2	3134.4	2703.8
70°	828.9	834.2	938.0	1106.1	1408.4	1988.6	2742.1	3106.6	3153.6	3113.2	2666.0
72.5°	613.9	633.7	736.9	910.3	1214.7	1817.3	2653.4	3059.0	3054.3	2981.6	2464.3
75°	445.9	462.4	561.7	732.9	1022.7	1591.7	2435.9	2861.8	2816.2	2722.9	2156.0
77.5°	318.2	322.8	410.8	576.2	844.1	1332.4	2103.1	2509.9	2462.2	2322.7	1765.7
80°	215.0	219.0	291.1	436.0	679.4	1094.9	1731.2	2057.5	1993.9	1842.4	1340.3
82.5°	138.9	146.2	203.1	320.2	531.9	883.2	1367.4	1593.7	1520.9	1385.3	985.7
85°	97.3	99.2	140.9	231.5	399.6	683.3	1038.6	1186.1	1110.7	998.9	688.0
87.5°	64.9	66.8	99.2	168.1	291.1	500.1	754.8	841.5	776.6	686.7	458.5
90°	41.0	44.3	68.8	119.8	209.7	349.3	522.0	563.6	517.3	443.9	284.5
92.5°	29.2	30.4	48.3	86.0	148.8	239.5	340.7	357.2	317.5	269.2	172.0
95°	19.8	21.2	35.1	61.5	107.2	161.4	217.0	217.7	185.9	158.8	109.1
97.5°	14.5	15.9	26.5	45.6	76.7	110.5	138.3	130.9	111.8	97.3	76.1
100°	11.9	12.6	21.2	35.1	55.5	78.1	90.6	82.0	72.1	64.9	55.5
102.5°	9.9	10.5	17.9	28.4	41.6	55.5	61.5	54.9	49.0	45.0	41.6
105°	8.6	9.3	15.2	23.8	33.8	41.0	43.7	39.1	35.7	33.0	31.1
107.5°	8.0	8.6	13.2	20.5	27.8	33.0	34.4	29.8	26.5	23.8	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	7.3	8.0	11.9	17.9	23.8	27.8	27.1	23.1	19.2	16.6	16.6
112.5°	6.6	7.3	10.5	15.9	20.5	23.1	22.5	17.2	13.9	11.9	11.9
115°	5.9	6.6	9.3	13.9	17.9	19.2	17.9	13.2	9.9	8.0	9.3
117.5°	5.3	5.9	8.0	11.9	15.2	15.9	13.9	9.9	7.3	5.9	6.6
120°	5.3	5.3	7.3	9.9	12.6	13.2	11.3	7.3	5.3	4.6	5.3
122.5°	4.6	5.3	6.6	8.6	10.5	10.5	8.6	5.3	4.0	4.0	4.6
125°	4.6	4.6	5.3	7.3	8.6	8.6	6.6	4.0	3.3	4.0	4.6
127.5°	4.0	4.6	5.3	6.6	7.3	7.3	5.3	3.3	3.3	3.3	4.0
130°	4.0	4.0	4.6	5.3	5.9	5.3	4.0	2.7	2.7	3.3	4.0
132.5°	4.0	4.0	4.0	4.6	5.3	4.0	2.7	2.7	2.7	2.7	4.0
135°	3.3	3.3	3.3	4.0	4.0	2.7	1.9	1.9	2.7	2.7	3.3
137.5°	2.7	2.7	2.7	2.7	2.7	1.9	1.3	1.9	1.9	2.7	3.3
140°	1.9	1.9	1.9	1.9	1.9	0.6	1.3	1.3	1.9	1.9	2.7
142.5°	1.3	1.3	1.3	1.9	1.3	0.6	0.6	1.3	1.9	1.9	2.7
145°	0.6	0.6	1.3	1.3	0.6	0.0	0.6	1.3	1.3	1.9	1.9
147.5°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.6	1.3	1.3	1.9
150°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.6	0.6	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
160°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2
2.5°	201.7	199.8	195.2	190.6	185.9	182.6	179.9	179.3	177.3	175.3	175.9
5°	212.4	207.8	199.8	189.9	180.7	172.7	166.7	161.4	158.1	154.2	154.8
7.5°	231.5	224.2	210.4	193.8	178.6	166.0	154.2	147.5	142.2	139.6	138.9
10°	260.6	250.7	227.6	203.8	180.7	162.0	147.5	138.9	133.6	130.3	130.3
12.5°	301.7	287.1	254.0	219.6	187.9	162.8	145.6	137.0	131.7	129.7	129.7
15°	346.7	327.4	283.2	236.2	195.2	164.7	146.2	137.0	132.3	130.3	129.7
17.5°	396.9	371.1	311.6	250.1	201.1	168.7	146.9	137.0	132.3	130.9	130.3
20°	451.2	418.8	340.7	263.3	205.7	169.4	146.2	136.3	133.0	132.3	132.3
22.5°	512.0	469.7	368.5	274.6	208.4	167.4	144.2	135.6	133.6	134.3	134.3
25°	575.5	522.6	395.0	281.1	205.7	162.8	142.2	135.6	134.9	137.0	137.0
27.5°	643.0	575.5	418.1	285.8	200.5	156.1	138.9	135.6	136.3	138.9	138.9
30°	713.8	629.8	437.9	285.1	193.8	150.8	137.0	134.9	137.6	141.6	141.6
32.5°	788.6	686.0	454.5	281.1	185.9	146.9	134.9	135.6	139.6	144.2	144.8
35°	865.3	739.0	467.7	273.2	178.6	143.5	134.9	137.0	141.6	146.9	147.5
37.5°	950.6	798.5	479.7	266.0	173.3	142.2	135.6	137.6	142.9	148.8	150.2
40°	1042.6	863.4	488.3	256.7	169.4	142.9	137.0	138.9	143.5	150.2	151.5
42.5°	1140.5	929.5	497.5	249.4	166.0	143.5	138.9	139.6	144.2	151.5	152.8
45°	1251.7	1003.6	508.1	242.7	165.4	146.2	140.2	139.6	143.5	152.8	153.4
47.5°	1378.6	1096.2	524.0	238.1	165.4	148.2	141.6	139.6	142.9	152.8	154.2
50°	1517.5	1193.5	543.1	236.8	167.4	150.8	142.9	139.6	142.2	150.2	151.5
52.5°	1665.2	1303.2	569.0	237.5	170.0	152.8	144.2	138.9	140.2	146.2	146.9
55°	1829.1	1420.4	598.0	241.4	174.0	155.5	144.8	137.6	137.6	141.6	141.6
57.5°	1989.9	1542.1	629.8	246.1	179.3	158.1	144.8	136.3	135.6	138.3	138.3
60°	2138.8	1644.0	660.9	252.1	183.9	159.5	144.2	134.9	133.6	135.6	136.3
62.5°	2263.2	1726.6	680.1	258.7	187.9	160.1	142.9	133.6	132.3	134.3	134.3
65°	2317.4	1766.3	684.0	263.3	191.8	159.5	140.9	131.7	130.9	132.3	133.0
67.5°	2308.2	1743.8	664.8	263.9	193.1	158.8	138.9	129.7	129.7	130.9	130.9
69°	2255.2	1695.5	640.4	262.6	193.1	156.8	137.0	128.4	129.0	130.3	130.3
70°	2205.0	1644.0	616.5	259.3	192.5	155.5	134.9	127.1	128.4	129.7	129.7
72.5°	2011.7	1475.3	553.7	248.8	187.2	150.8	130.9	123.1	125.7	128.4	127.7
75°	1732.0	1251.0	479.7	232.2	178.6	144.2	125.7	118.5	122.3	125.7	125.0
77.5°	1393.9	1000.2	402.2	213.0	168.1	135.6	119.1	113.1	117.7	121.7	121.0
80°	1060.5	768.0	326.8	191.8	154.2	126.3	111.8	106.5	112.4	115.8	115.1
82.5°	775.3	561.7	256.7	170.6	140.9	116.4	103.2	99.2	105.2	108.5	107.2
85°	537.9	392.3	198.5	147.5	126.3	105.2	93.9	91.2	96.6	99.2	97.9
87.5°	355.3	264.6	153.4	127.7	112.4	94.6	85.3	82.7	88.0	89.3	88.7
90°	225.6	177.3	121.7	109.9	99.2	84.0	76.1	74.8	78.8	79.4	77.4
92.5°	144.2	121.7	98.6	94.6	86.6	74.8	68.1	66.2	69.5	69.5	67.5
95°	99.9	90.6	80.7	81.3	75.4	65.5	59.5	58.9	60.3	58.9	58.2
97.5°	72.1	68.8	66.8	69.5	65.5	56.9	52.3	50.9	51.6	49.6	49.0
100°	54.9	54.2	55.5	58.2	55.5	49.0	45.0	44.3	43.7	40.3	40.3
102.5°	42.4	42.4	45.6	49.6	47.0	41.6	39.1	37.7	35.7	32.4	31.7
105°	32.4	33.0	37.7	41.0	39.7	35.1	33.0	31.1	28.4	25.2	25.2
107.5°	24.4	25.8	30.4	33.8	32.4	29.2	27.1	25.2	22.5	19.2	19.8



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.5	19.8	24.4	27.1	26.5	24.4	22.5	20.5	17.2	14.5	15.2
112.5°	13.9	15.2	19.2	21.8	21.8	19.8	17.9	15.9	12.6	11.3	11.3
115°	10.5	11.9	15.2	17.2	17.2	15.2	13.9	11.9	9.3	8.6	8.6
117.5°	8.0	9.3	11.9	13.9	13.2	11.9	10.5	9.3	7.3	6.6	6.6
120°	6.6	7.3	9.3	10.5	9.9	9.3	8.0	6.6	5.3	5.3	5.3
122.5°	5.3	5.9	7.3	8.0	7.3	6.6	5.9	4.6	4.0	4.0	4.0
125°	4.6	5.3	5.9	5.9	5.3	4.6	4.0	3.3	2.7	3.3	3.3
127.5°	4.6	4.6	5.3	4.6	4.0	3.3	2.7	1.9	1.9	2.7	2.7
130°	4.0	4.6	4.6	4.0	3.3	1.9	1.9	1.3	1.3	1.9	1.9
132.5°	4.0	4.0	4.0	3.3	2.7	1.3	0.6	0.6	1.3	1.3	1.3
135°	3.3	4.0	3.3	2.7	1.9	1.3	0.0	0.6	0.6	0.6	0.6
137.5°	3.3	3.3	3.3	2.7	1.3	0.6	0.0	0.0	0.6	0.0	0.0
140°	2.7	2.7	2.7	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)