

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: P255176

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4268.7 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

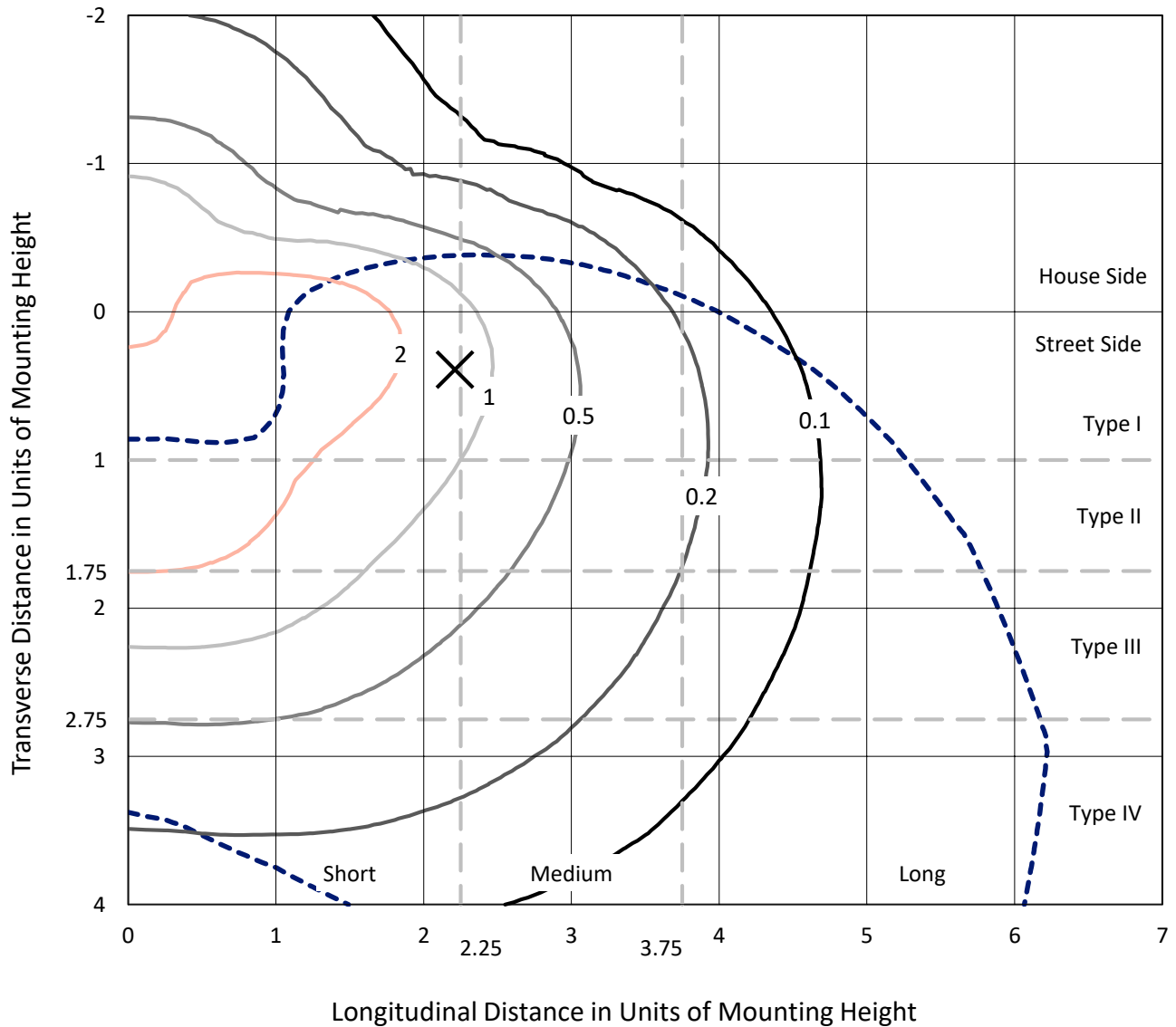
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

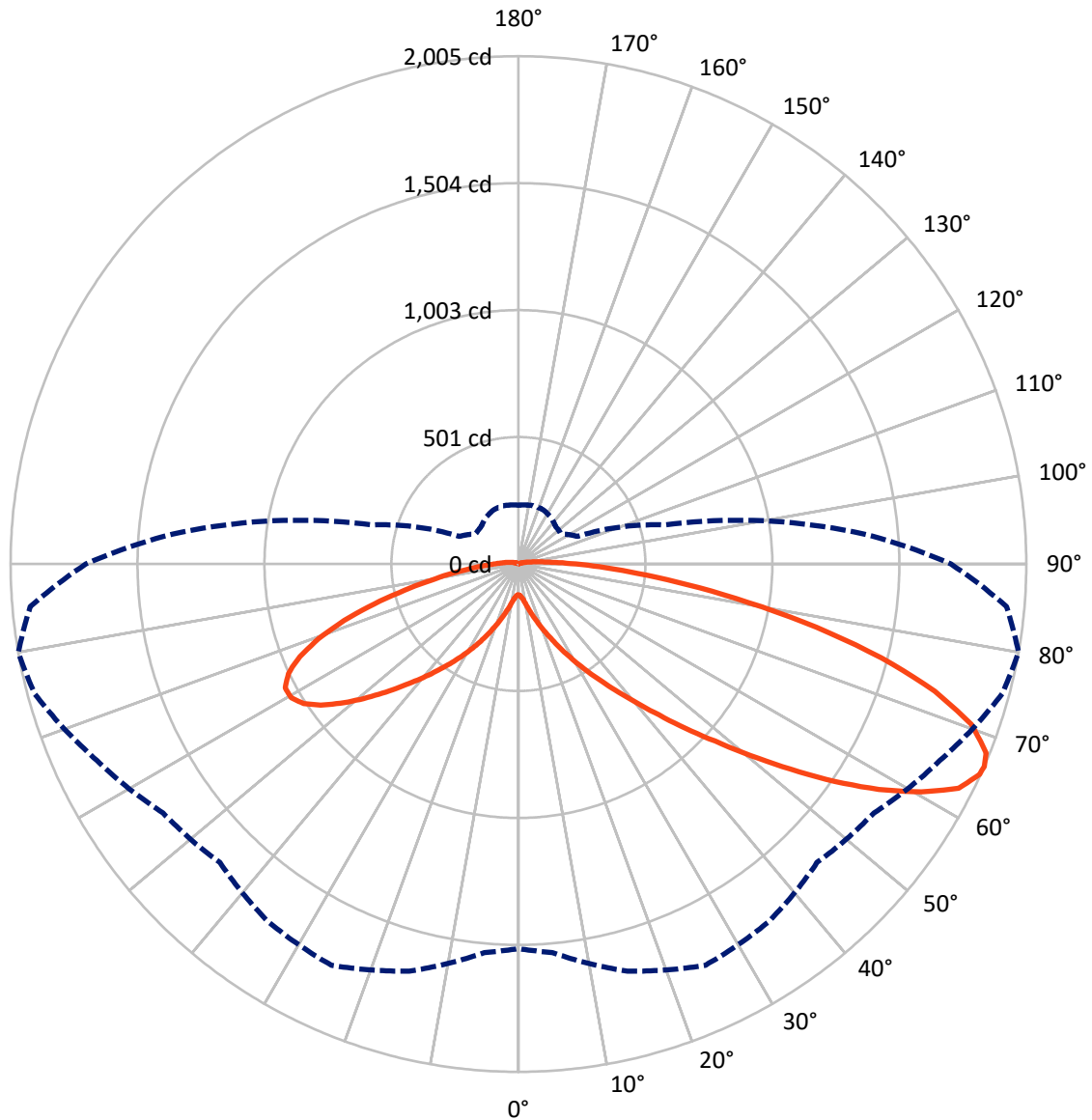
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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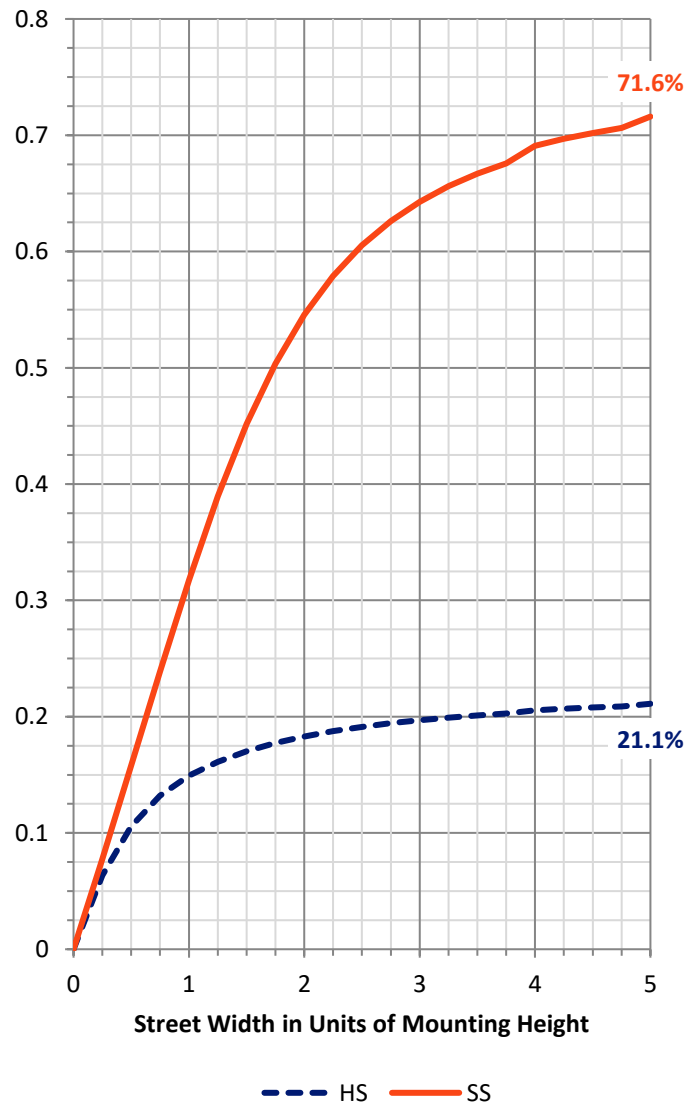
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.7	61.0	1007.7
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	3179.4	81.7	3261.1
	% Fixture	74.5	1.9	76.4
Total	Lumens	4126.0	142.7	4268.7
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.3
10°-20°	57.9	1.4
20°-30°	147.9	3.5
30°-40°	292.8	6.9
40°-50°	507.5	11.9
50°-60°	809.2	19.0
60°-70°	1052.0	24.6
70°-80°	870.1	20.4
80°-90°	375.4	8.8
90°-100°	97.9	2.3
100°-110°	28.8	0.7
110°-120°	10.8	0.3
120°-130°	3.7	0.1
130°-140°	1.2	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4126.0	96.7
0°-180°	4268.7	100.0



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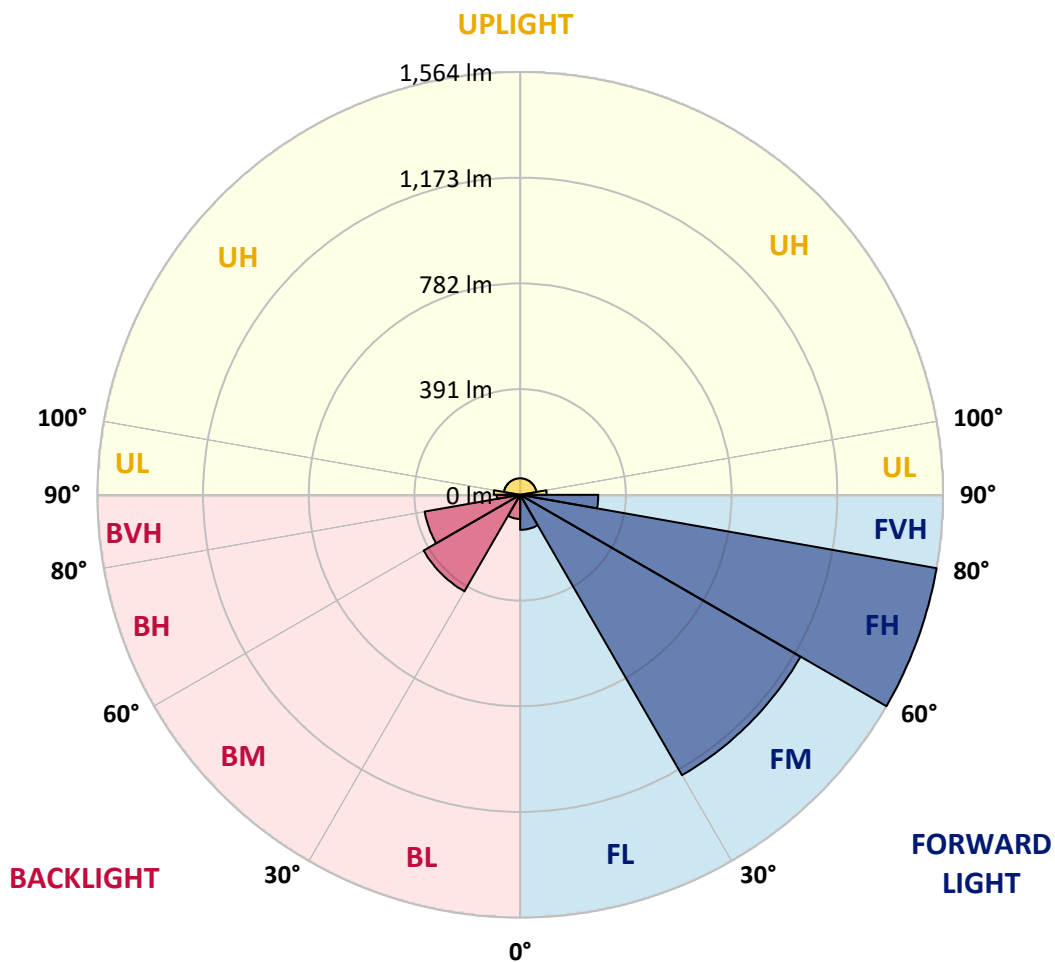
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.7	3.0			
FM (30°-60°)	1197.1	28.0			
FH (60°-80°)	1563.6	36.6			G1/1800
FVH (80°-90°)	288.9	6.8			G3/500
BL (0°-30°)	89.4	2.1	B0/110		
BM (30°-60°)	412.3	9.7	B1/1000		
BH (60°-80°)	358.5	8.4	B1/500		G1/500
BVH (80°-90°)	86.5	2.0			G1/100
UL (90°-100°)	97.9	2.3		U3/500	
UH (100°-180°)	61.0	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1
2.5°	130.8	130.3	130.8	130.8	130.3	129.8	128.3	127.3	125.7	124.7	124.2
5°	141.6	141.1	141.1	141.1	140.6	139.5	137.5	135.4	133.4	131.9	131.3
7.5°	157.0	155.5	155.5	155.0	154.0	152.4	149.8	147.7	145.7	143.1	142.1
10°	178.0	177.0	175.4	174.4	171.9	170.3	167.3	164.7	163.2	161.1	159.1
12.5°	203.2	204.7	203.7	199.6	196.5	194.0	189.9	188.3	186.8	184.1	182.6
15°	236.0	237.0	234.5	230.4	225.3	222.2	218.0	214.4	213.4	210.3	208.3
17.5°	273.4	275.5	271.4	265.3	258.6	251.3	248.3	244.7	243.2	240.1	238.0
20°	318.0	320.2	314.5	305.2	295.5	285.2	281.6	277.5	277.0	273.9	272.4
22.5°	370.4	371.9	363.2	349.8	336.0	322.7	317.0	312.9	313.4	310.9	310.4
25°	431.0	431.5	419.1	401.7	380.6	362.7	355.1	352.9	355.1	353.4	352.4
27.5°	499.2	498.7	487.3	460.2	428.4	403.8	394.6	395.1	399.7	400.7	400.7
30°	574.6	576.6	557.7	522.3	480.7	446.8	437.1	439.2	452.5	452.5	452.5
32.5°	662.4	661.8	640.3	588.9	537.2	495.6	482.7	484.8	501.2	508.9	506.4
35°	760.4	759.3	732.6	667.0	598.7	547.4	530.0	539.7	562.3	571.0	569.0
37.5°	865.5	865.5	834.2	753.6	665.9	603.8	584.8	595.7	627.5	641.8	634.1
40°	973.2	973.7	936.8	851.6	742.4	665.4	643.8	662.9	707.5	721.3	716.2
42.5°	1081.0	1077.9	1043.5	948.6	824.4	734.7	708.5	740.3	794.7	814.2	807.0
45°	1189.7	1187.6	1156.3	1050.7	914.2	809.6	782.4	823.4	894.3	925.5	918.3
47.5°	1294.9	1294.9	1265.7	1153.3	1011.7	894.8	870.1	920.9	1010.7	1045.0	1046.6
50°	1393.9	1395.4	1370.3	1265.7	1111.2	988.6	967.1	1033.3	1150.2	1187.6	1190.2
52.5°	1486.2	1490.3	1474.0	1382.6	1222.5	1093.2	1077.9	1152.8	1289.7	1344.7	1351.3
55°	1568.4	1569.9	1567.9	1491.4	1337.0	1203.1	1198.0	1287.7	1456.0	1515.0	1515.0
57.5°	1625.8	1635.1	1654.0	1591.9	1456.0	1323.1	1322.1	1427.7	1608.4	1678.7	1674.6
60°	1652.0	1662.2	1710.5	1681.7	1566.3	1443.7	1454.4	1574.0	1770.5	1826.9	1823.3
62.5°	1635.6	1648.9	1727.4	1741.8	1654.0	1556.0	1576.6	1705.4	1884.4	1950.6	1910.6
65°	1559.6	1579.1	1688.9	1755.1	1712.0	1641.7	1680.7	1808.5	1962.3	2001.3	1940.8
66°	1518.1	1539.6	1663.7	1747.4	1723.3	1666.8	1713.0	1835.7	1977.3	2005.0	1934.6
67.5°	1448.8	1466.3	1608.4	1719.7	1728.4	1700.7	1751.5	1862.3	1973.2	1991.6	1901.3
70°	1287.2	1308.8	1465.8	1633.6	1702.3	1722.2	1778.2	1859.2	1922.8	1897.2	1777.2
72.5°	1090.7	1124.5	1280.5	1485.2	1619.6	1689.4	1750.5	1792.0	1789.4	1719.7	1576.6
75°	868.6	889.6	1054.8	1276.4	1464.7	1594.5	1655.5	1648.4	1584.2	1479.6	1319.0
77.5°	648.4	669.5	816.2	1034.8	1250.3	1414.4	1469.9	1438.6	1319.5	1203.6	1048.1
80°	456.6	475.1	597.7	801.9	1010.2	1179.5	1225.6	1181.0	1035.3	920.3	788.0
82.5°	311.4	319.6	422.3	599.2	787.5	931.7	976.3	918.8	779.8	670.5	567.4
85°	191.4	203.2	286.8	426.9	579.2	690.0	725.0	679.8	560.3	473.0	391.0
87.5°	111.8	118.6	177.5	287.9	416.5	507.4	525.4	483.2	384.2	320.2	259.6
90°	60.0	65.2	102.1	179.5	282.6	350.9	364.3	325.3	251.3	204.2	166.2
92.5°	35.4	38.5	61.1	108.2	181.1	230.9	240.1	208.8	158.0	130.8	108.7
95°	23.1	25.2	40.0	67.7	111.3	146.2	150.8	129.3	100.0	86.2	75.4
97.5°	17.0	18.0	28.7	46.1	70.3	89.8	93.4	80.0	66.2	59.5	53.9
100°	13.3	14.3	22.1	33.9	47.2	58.0	59.0	52.4	45.6	42.0	40.0
102.5°	11.3	11.8	18.0	26.7	35.4	41.0	41.5	36.9	32.3	30.3	29.8
105°	9.7	10.2	15.3	22.1	28.2	31.8	31.8	27.7	23.6	22.1	22.6
107.5°	8.2	8.7	12.8	18.5	23.6	26.2	25.7	21.6	17.5	15.9	16.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	7.2	7.7	11.3	15.9	20.6	22.1	21.1	17.0	12.3	11.3	11.8
112.5°	6.6	6.6	9.7	13.8	17.5	18.5	17.0	12.8	8.7	8.2	8.7
115°	5.6	6.1	8.2	11.8	14.3	15.3	13.8	9.7	6.1	6.1	6.6
117.5°	5.1	5.6	7.2	9.7	12.3	12.8	11.3	7.7	4.6	4.6	5.1
120°	4.6	4.6	6.1	8.2	10.2	10.2	8.7	5.6	3.6	3.6	4.1
122.5°	4.1	4.6	5.1	6.6	8.2	8.2	6.6	4.1	3.1	3.1	3.6
125°	3.6	4.1	4.6	5.6	6.6	6.6	5.1	3.1	2.6	3.1	3.1
127.5°	3.6	3.6	4.1	4.6	5.6	5.1	4.1	2.0	2.6	2.6	3.1
130°	3.1	3.1	3.6	3.6	4.1	4.1	3.1	2.0	2.0	2.6	2.6
132.5°	2.6	2.6	3.1	3.1	3.6	3.1	2.0	1.5	2.0	2.0	2.6
135°	2.0	2.0	2.0	2.6	2.6	2.0	1.5	1.5	2.0	2.0	2.0
137.5°	2.0	1.5	2.0	2.0	1.5	1.0	1.0	1.0	1.5	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	1.0	1.5	1.5	2.0
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.5	1.5
145°	0.0	0.0	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0	1.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1
2.5°	123.7	123.2	121.6	120.6	119.6	118.6	118.6	118.6	118.0	117.4	117.4
5°	130.3	129.3	127.3	125.2	122.7	120.6	119.6	119.1	118.0	116.9	116.9
7.5°	141.1	139.5	136.0	131.9	129.3	126.2	125.2	124.2	122.7	121.6	121.1
10°	157.5	155.0	149.2	144.1	139.0	134.9	133.4	132.4	131.3	131.3	131.3
12.5°	179.5	176.5	169.3	160.1	154.0	147.7	145.7	145.2	145.7	146.2	146.2
15°	205.2	200.1	190.9	178.5	169.8	163.2	161.1	161.1	162.1	162.6	162.6
17.5°	235.0	228.8	213.4	199.1	187.3	180.0	177.0	177.0	179.0	180.0	180.6
20°	266.3	259.6	242.1	219.1	204.2	196.0	192.4	192.9	195.5	198.0	198.6
22.5°	302.2	294.5	268.3	240.1	220.7	209.8	205.7	207.2	211.3	214.9	215.9
25°	343.2	333.5	299.1	262.7	235.5	221.2	218.0	221.2	227.3	231.9	232.4
27.5°	387.9	375.5	330.4	283.2	246.7	228.3	226.3	232.4	239.6	245.2	246.2
30°	437.6	422.3	363.2	301.2	255.5	233.9	231.9	240.1	248.8	255.5	256.6
32.5°	493.1	472.0	395.1	316.5	260.6	236.0	235.0	244.7	255.5	262.2	263.2
35°	553.0	525.4	428.9	328.9	262.7	235.5	235.0	246.2	257.6	264.2	264.7
37.5°	619.7	585.8	461.2	338.1	262.2	233.4	233.4	245.2	256.0	262.2	262.2
40°	696.7	651.5	496.6	344.2	259.6	229.9	230.4	241.1	251.3	255.5	256.0
42.5°	784.4	727.5	529.0	346.8	254.5	225.8	225.8	236.5	244.7	246.7	246.7
45°	885.0	812.1	564.4	346.3	249.3	221.2	221.7	230.9	237.0	237.5	237.0
47.5°	1005.6	910.1	597.7	344.2	242.1	216.5	218.0	226.3	230.9	230.4	229.9
50°	1137.9	1015.8	630.5	339.6	236.0	213.4	215.4	223.2	227.3	225.8	224.7
52.5°	1281.0	1126.1	659.8	332.5	229.3	210.8	214.4	222.2	225.8	223.2	223.2
55°	1429.3	1235.4	682.8	321.7	223.7	209.3	214.9	222.2	226.3	223.7	223.7
57.5°	1563.7	1329.2	693.7	309.3	219.1	208.8	215.9	224.7	228.3	226.3	226.3
60°	1669.5	1394.9	686.4	295.0	214.4	208.3	218.0	227.8	231.9	229.3	229.3
62.5°	1732.5	1424.2	660.8	279.6	210.8	208.8	221.2	232.4	235.5	232.4	231.4
65°	1729.9	1393.9	617.7	263.2	207.2	208.8	223.2	235.0	237.5	233.9	232.4
66°	1707.4	1367.8	595.7	257.1	206.2	208.3	223.7	235.0	238.0	233.9	232.4
67.5°	1664.8	1313.9	559.2	247.2	203.7	207.8	224.2	235.5	237.5	233.9	231.9
70°	1530.3	1194.3	491.0	230.9	199.1	205.2	222.7	233.9	235.5	232.4	230.4
72.5°	1329.2	1024.5	421.8	214.4	192.9	199.6	218.5	228.8	231.4	228.3	226.3
75°	1092.2	831.1	352.4	198.6	183.6	191.4	210.3	220.7	223.7	221.2	218.5
77.5°	849.0	636.2	286.3	183.1	172.9	181.1	199.1	208.3	211.3	208.3	206.7
80°	630.0	470.5	229.9	166.7	160.6	168.3	185.2	193.4	196.5	192.9	191.9
82.5°	451.9	341.2	183.1	148.7	145.7	152.9	168.3	175.4	178.0	175.9	172.4
85°	302.2	235.0	144.6	129.3	129.8	136.5	149.2	154.0	157.0	155.0	151.9
87.5°	204.7	161.1	114.4	109.8	111.3	115.9	127.8	131.3	133.4	130.8	130.3
90°	133.4	111.3	90.8	92.9	94.9	98.5	105.7	107.2	109.8	107.2	106.7
92.5°	90.8	81.5	73.9	77.4	80.0	82.6	86.7	87.8	89.8	87.8	86.7
95°	66.7	63.1	60.0	64.7	67.2	68.7	71.3	70.8	72.3	70.3	69.3
97.5°	50.8	48.7	49.2	53.4	56.0	57.0	58.0	57.0	57.5	55.4	54.4
100°	39.5	38.5	40.0	44.1	46.1	46.1	46.6	45.6	44.6	42.6	41.0
102.5°	30.3	30.3	32.3	36.4	38.0	38.0	37.4	35.9	34.4	32.3	32.3
105°	23.1	23.6	26.7	30.3	31.3	30.8	30.8	28.7	26.7	24.1	24.1
107.5°	17.5	18.0	21.1	24.7	25.7	25.7	24.7	22.6	20.0	18.0	18.0



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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.8	13.8	17.0	20.0	21.1	20.6	20.0	17.5	14.8	13.3	12.8
112.5°	9.7	10.2	13.3	15.9	17.0	17.0	15.9	13.3	10.7	9.7	9.7
115°	7.2	8.2	10.2	12.8	13.3	13.3	12.3	10.2	7.7	6.6	7.2
117.5°	5.6	6.1	8.2	10.2	10.2	10.2	9.2	7.2	5.6	5.1	5.1
120°	4.6	5.1	6.1	7.7	7.7	7.7	6.6	5.1	4.1	3.6	4.1
122.5°	3.6	4.1	4.6	5.6	5.6	5.6	5.1	3.6	2.6	2.6	3.1
125°	3.6	3.6	3.6	4.1	4.1	4.1	3.6	2.6	2.0	2.0	2.0
127.5°	3.1	3.1	3.1	3.1	3.1	2.6	2.0	1.5	1.0	1.5	1.5
130°	3.1	3.1	2.6	2.6	2.0	1.5	1.0	0.5	0.5	1.0	1.0
132.5°	2.6	2.6	2.6	2.0	1.5	1.0	0.5	0.0	0.0	0.5	0.5
135°	2.6	2.6	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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)