

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: P254682

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)
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-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5084.9 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

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

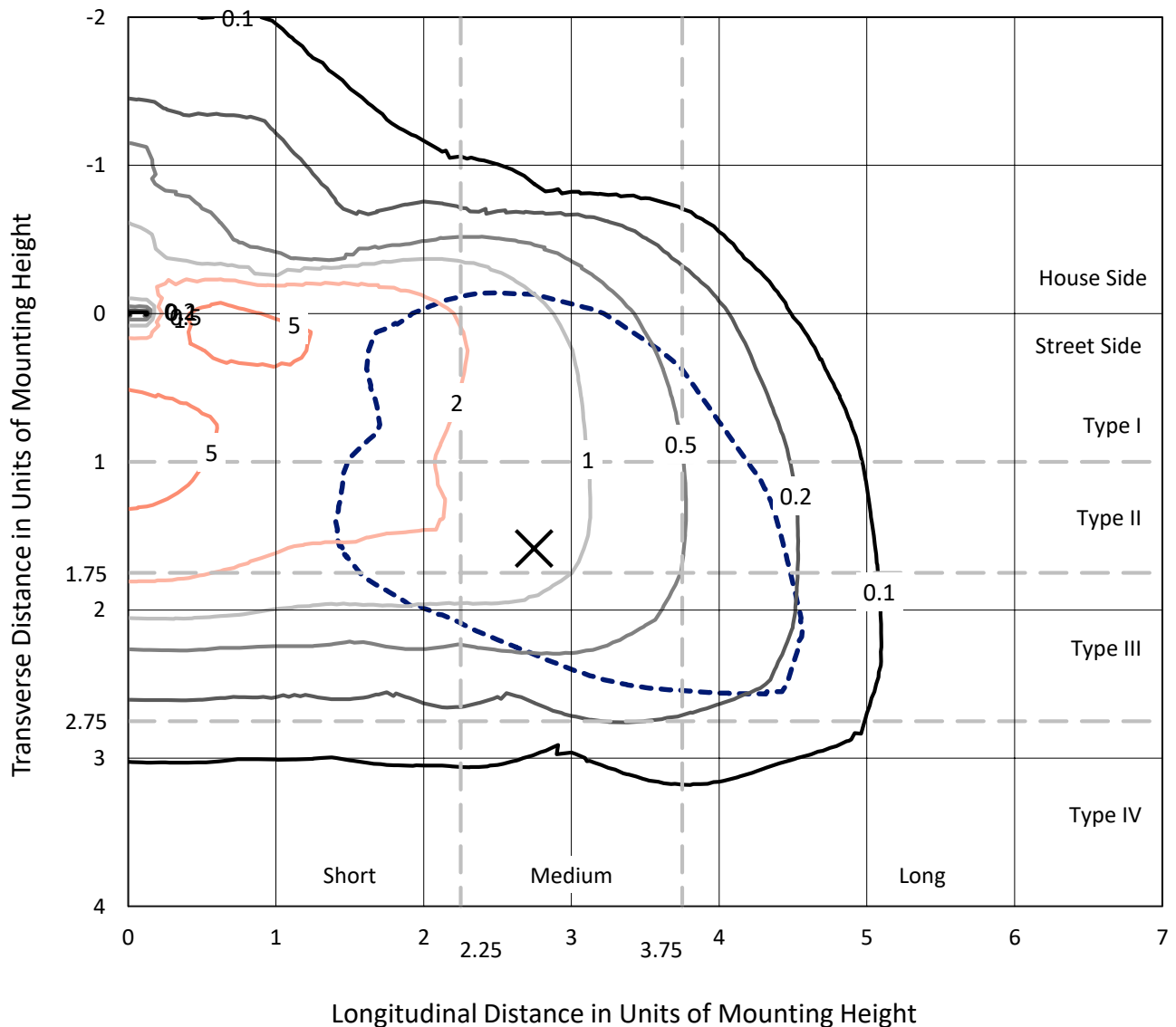


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Iso-Footcandle Lines of Horizontal Illumination

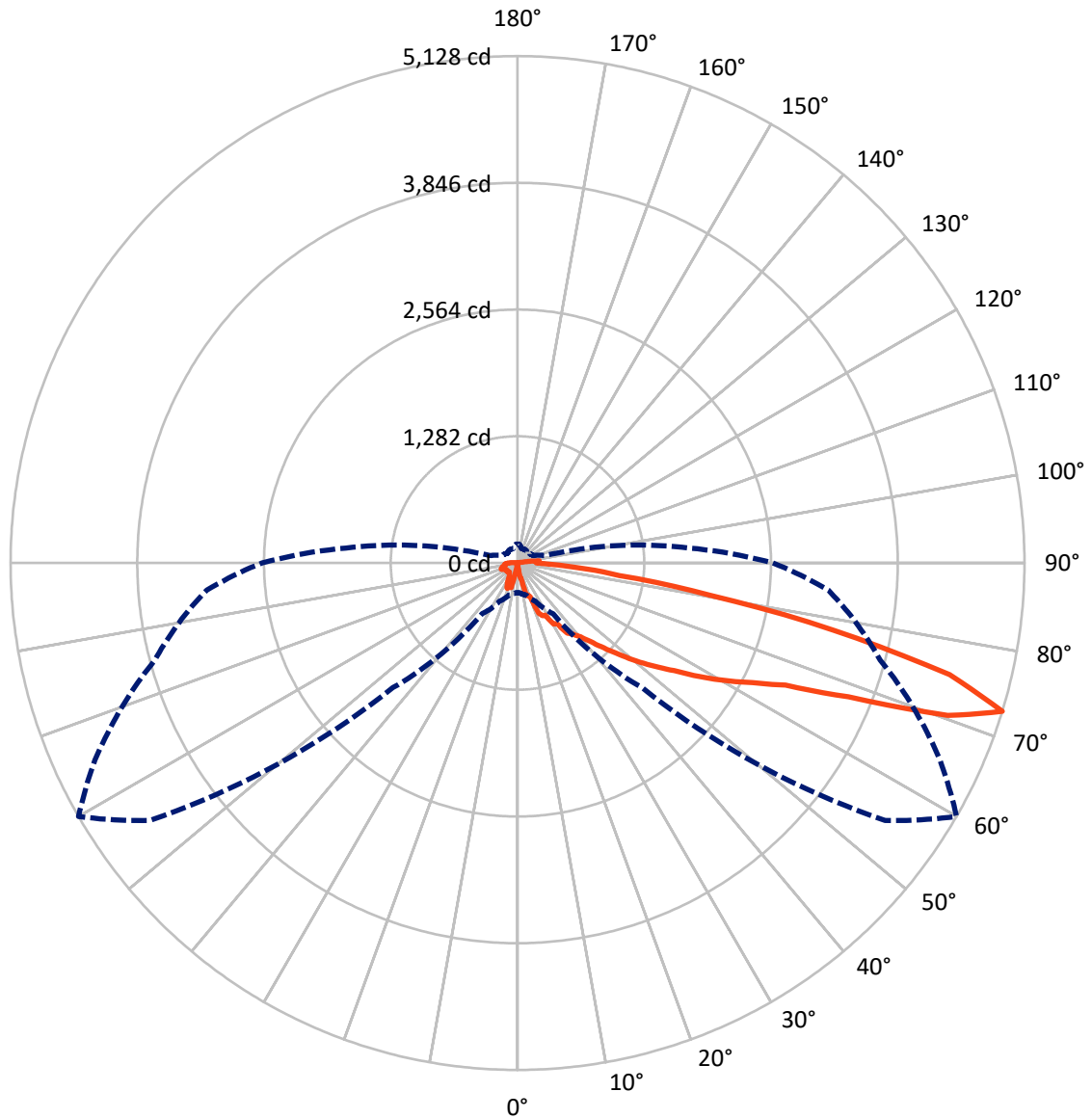
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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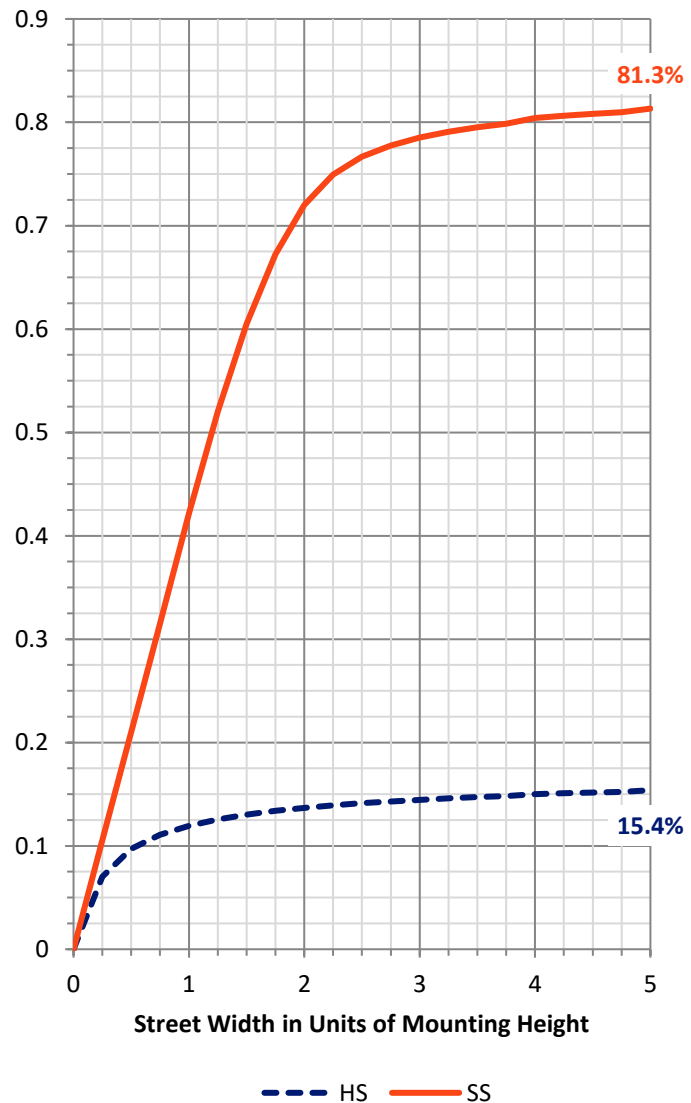
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	825.1	33.1	858.2
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	4184.3	42.3	4226.6
	% Fixture	82.3	0.8	83.1
Total	Lumens	5009.4	75.4	5084.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.1
10°-20°	68.2	1.3
20°-30°	199.9	3.9
30°-40°	398.3	7.8
40°-50°	684.7	13.5
50°-60°	1047.5	20.6
60°-70°	1320.4	26.0
70°-80°	1051.0	20.7
80°-90°	233.8	4.6
90°-100°	65.7	1.3
100°-110°	6.5	0.1
110°-120°	1.2	0.0
120°-130°	1.0	0.0
130°-140°	0.4	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°	5009.4	98.5
0°-180°	5084.9	100.0

Coefficient of Utilization



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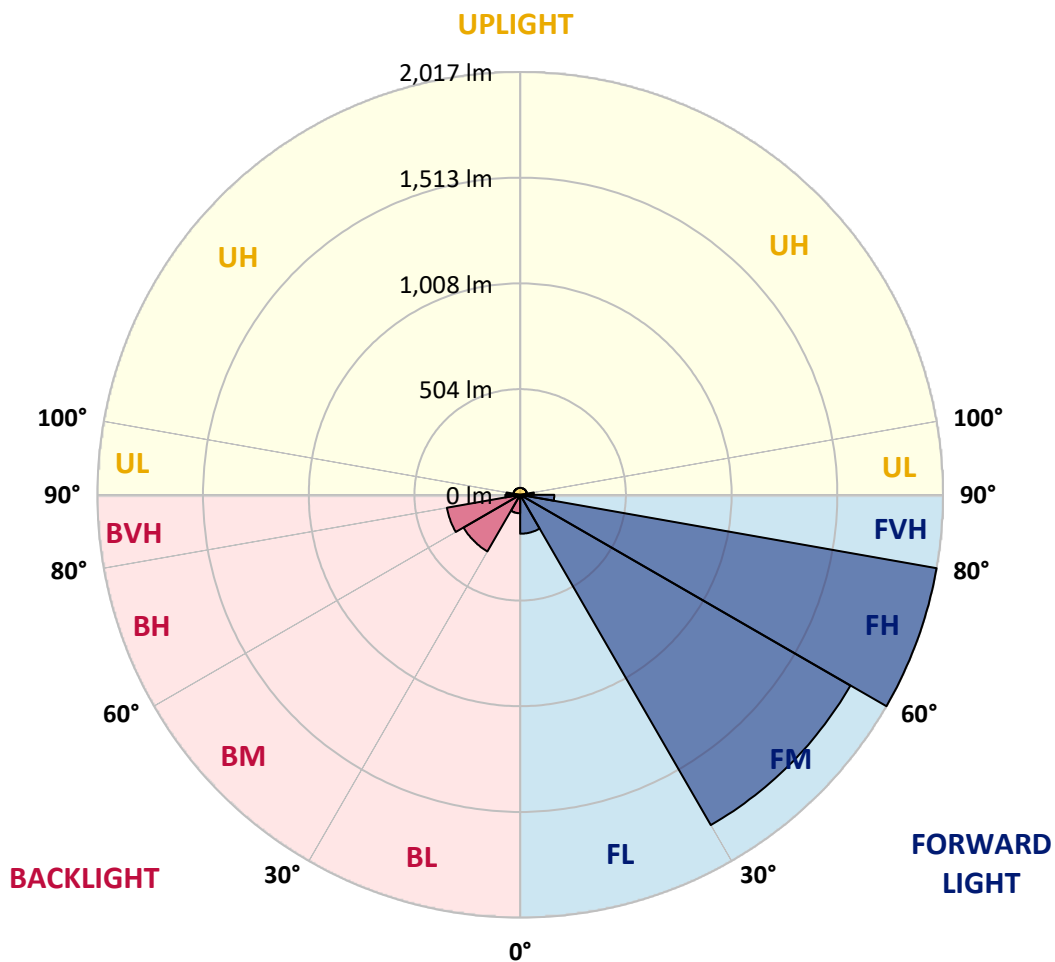
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.7	3.7			
FM	(30°-60°)	1819.0	35.8			
FH	(60°-80°)	2016.9	39.7			G2/5000
FVH	(80°-90°)	162.6	3.2			G2/225
BL	(0°-30°)	88.0	1.7	B0/110		
BM	(30°-60°)	311.5	6.1	B1/1000		
BH	(60°-80°)	354.5	7.0	B1/500		G1/500
BVH	(80°-90°)	71.2	1.4			G1/100
UL	(90°-100°)	65.7	1.3		U3/500	
UH	(100°-180°)	33.1	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.5	3.2	2.5	3.2	3.2	2.5	1.8	2.5	2.5	2.5	1.8
5°	155.8	157.7	140.7	110.2	21.3	15.0	5.0	3.2	3.2	2.5	2.5
7.5°	157.0	158.3	165.1	162.7	165.7	158.3	55.0	16.3	6.9	3.2	2.5
10°	169.0	168.3	166.4	170.1	169.6	161.3	155.8	148.9	33.8	4.4	3.8
12.5°	325.9	327.1	319.0	257.8	179.5	166.4	160.7	155.8	127.0	90.6	210.8
15°	328.5	326.5	317.7	331.5	326.5	190.7	267.1	340.9	343.4	255.2	293.4
17.5°	345.3	340.9	330.3	320.9	319.0	381.0	358.5	339.7	346.0	297.1	317.7
20°	469.9	465.5	459.8	448.5	341.6	434.8	433.5	362.2	365.4	593.1	578.0
22.5°	477.3	469.9	465.5	459.1	511.2	427.2	514.2	551.1	553.0	629.4	609.8
25°	634.4	631.8	592.4	477.3	509.8	486.1	589.9	591.1	578.6	661.8	726.9
27.5°	702.5	682.5	646.2	625.0	524.9	580.5	588.7	597.9	751.9	897.0	875.1
30°	944.0	917.7	721.2	702.5	621.8	589.2	679.4	715.0	777.6	900.9	906.5
32.5°	1089.8	1054.1	955.3	875.1	737.5	648.0	726.9	731.9	783.2	1122.8	1146.0
35°	1346.8	1299.8	1070.3	974.6	861.4	771.9	753.2	870.8	940.8	1172.3	1186.7
37.5°	1396.9	1396.9	1331.3	1161.7	988.4	866.4	886.4	914.5	986.5	1262.4	1256.2
40°	1446.3	1451.9	1464.4	1320.5	1126.0	1004.6	975.9	980.3	1047.8	1365.5	1338.7
42.5°	1568.9	1564.5	1585.2	1443.1	1311.1	1158.4	1110.9	1087.2	1136.0	1498.8	1443.1
45°	1780.9	1780.9	1765.3	1572.0	1451.3	1312.4	1267.4	1223.6	1241.0	1629.6	1586.3
47.5°	2043.7	2014.3	1931.0	1722.2	1573.9	1456.3	1418.7	1378.1	1386.8	1784.6	1757.2
50°	2240.7	2209.4	2050.6	1830.9	1674.6	1606.4	1588.3	1558.2	1545.7	1932.4	1943.6
52.5°	2283.3	2245.1	2105.0	1898.0	1759.1	1761.6	1780.3	1737.1	1696.5	2091.2	2131.8
55°	2231.3	2210.1	2122.5	1948.5	1838.5	1892.9	1975.5	1921.1	1903.0	2265.2	2314.5
57.5°	2128.2	2119.4	2114.3	1991.1	1892.3	2036.8	2226.3	2165.6	2118.1	2425.9	2446.6
60°	1909.9	1912.9	1969.8	1990.4	1989.3	2188.1	2459.7	2411.0	2319.6	2581.0	2602.9
62.5°	1525.0	1547.0	1696.5	1842.2	2041.2	2419.6	2683.0	2666.0	2567.9	2758.0	2754.9
65°	962.7	1005.3	1227.3	1557.0	1970.5	2736.7	3044.0	2977.7	2849.4	2962.6	3009.5
67.5°	520.4	535.5	658.8	1026.0	1705.9	2885.6	3826.5	3609.4	3312.8	3290.4	3299.2
70°	376.0	380.3	412.2	566.7	1066.6	2645.5	4517.1	4617.2	4046.6	3643.1	3411.1
72.5°	297.7	305.9	336.5	426.0	628.0	1782.8	4540.3	5127.6	4714.7	3798.3	3154.7
75°	205.2	217.7	271.5	366.6	566.1	890.1	3693.2	4513.3	4551.5	3485.0	2507.2
77.5°	109.5	111.3	123.9	284.0	536.7	642.5	2385.9	3265.3	3257.9	2450.2	1358.1
80°	88.8	90.0	95.0	122.6	459.8	655.5	1280.5	1977.4	1811.6	952.0	494.8
82.5°	58.1	62.0	75.7	83.1	206.4	632.4	760.7	1035.9	826.3	344.0	310.3
85°	34.4	38.1	55.0	61.3	98.3	738.1	682.5	623.7	477.3	243.3	233.4
87.5°	11.9	11.9	16.3	21.3	32.6	211.4	356.5	285.2	218.9	161.3	192.1
90°	6.2	6.9	3.8	3.8	14.4	65.0	190.7	189.6	148.9	158.3	205.2
92.5°	6.9	6.9	3.8	3.8	15.0	38.8	203.3	217.7	175.8	177.6	222.2
95°	7.5	8.0	3.2	3.2	14.4	26.9	178.8	221.5	172.0	160.7	193.3
97.5°	8.0	8.7	3.2	2.5	9.4	20.6	90.0	126.4	99.4	75.7	84.4
100°	7.5	8.0	1.8	1.8	4.4	13.7	34.4	46.9	42.5	17.5	10.1
102.5°	7.5	8.0	1.8	1.2	1.8	7.5	7.5	17.5	10.6	5.7	8.0
105°	7.5	8.0	1.8	1.2	0.6	3.8	2.5	3.2	3.8	5.0	9.4
107.5°	4.4	5.0	1.2	1.2	0.6	0.6	1.2	1.2	2.5	3.8	8.0
110°	1.8	1.8	0.6	0.6	0.0	0.6	0.6	1.2	2.5	3.2	4.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	2.5	3.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.5	4.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.5	4.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.5	4.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.5	4.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.5	4.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.5	3.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.5	3.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.8
140°	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.6	1.2	1.2	1.8
142.5°	1.2	0.6	0.6	0.6	0.0	0.0	0.6	0.6	1.2	1.8	1.8
145°	1.8	1.2	1.2	0.6	0.0	0.0	0.6	1.2	1.8	1.8	1.8
147.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.6	1.2	1.8	2.5	2.5
150°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.6	1.2	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.6	0.6	1.2
7.5°	1.8	1.8	1.8	1.2	1.2	0.6	115.7	134.5	154.5	151.5	147.0
10°	3.2	3.2	3.2	2.5	7.5	138.9	155.8	148.9	145.8	144.5	146.4
12.5°	213.3	251.6	83.8	12.6	123.3	135.7	138.9	131.3	135.7	137.0	133.3
15°	292.7	287.2	264.0	271.5	241.5	130.8	124.4	185.2	184.5	183.9	183.9
17.5°	316.6	300.9	260.8	275.9	241.5	198.3	153.8	147.0	142.0	142.6	141.4
20°	569.9	532.9	412.2	268.3	211.4	212.1	130.8	113.2	142.0	165.7	169.0
22.5°	574.2	538.6	431.6	347.8	211.4	167.6	128.3	133.9	160.7	175.8	178.3
25°	722.5	653.1	424.2	294.0	212.1	136.3	136.3	128.8	146.4	167.0	170.1
27.5°	824.5	743.7	517.4	288.3	159.5	133.3	122.0	123.3	156.3	170.8	171.4
30°	825.7	730.6	486.6	242.1	132.6	115.7	110.2	128.8	137.0	146.4	147.0
32.5°	1073.5	931.4	546.8	194.6	118.2	104.5	110.7	122.6	138.2	161.3	163.9
35°	1073.5	915.8	476.1	178.8	112.0	105.1	113.8	131.3	131.9	149.4	153.3
37.5°	1103.5	914.5	402.2	149.4	117.0	105.1	118.9	123.3	128.8	147.0	147.6
40°	1150.4	927.7	329.1	136.3	115.7	114.5	115.7	121.4	120.0	131.9	132.6
42.5°	1228.0	957.1	273.3	131.9	115.0	120.0	117.0	115.0	108.1	142.0	142.6
45°	1341.8	1024.0	232.7	131.9	115.7	128.3	120.7	111.3	104.5	171.4	176.5
47.5°	1475.6	1107.9	213.9	135.2	118.2	130.1	115.0	111.3	111.3	185.7	188.3
50°	1635.8	1204.1	205.2	137.6	126.4	128.8	118.9	118.2	123.3	172.6	172.0
52.5°	1805.3	1323.0	203.9	141.4	131.9	123.9	134.5	126.4	110.2	126.4	126.4
55°	1973.5	1469.4	202.0	142.6	128.8	127.0	137.6	112.6	93.9	102.6	103.8
57.5°	2135.6	1609.0	209.6	137.6	128.3	127.0	131.3	112.6	96.9	105.1	107.6
60°	2300.8	1764.6	253.9	130.1	130.8	123.9	130.8	122.0	107.0	127.0	129.5
62.5°	2501.0	1979.2	346.0	137.0	132.6	125.7	130.1	129.5	111.3	121.4	123.9
65°	2787.4	2218.2	400.3	161.3	138.2	131.3	130.1	140.1	124.4	118.2	118.9
67.5°	2983.9	2305.2	388.4	182.0	152.0	135.2	140.7	150.8	133.3	134.5	133.9
70°	2948.3	2150.7	337.8	192.1	160.7	138.9	152.0	150.1	140.1	159.5	158.3
72.5°	2583.6	1743.4	286.5	176.5	158.3	140.1	154.5	153.8	152.0	191.4	191.4
75°	1924.2	1169.7	248.3	162.0	151.5	138.9	151.5	152.6	151.5	195.8	197.0
77.5°	944.5	584.2	210.8	145.8	140.1	142.0	149.4	150.1	148.3	190.2	190.2
80°	422.3	320.2	160.7	122.6	135.2	149.4	150.1	144.5	147.0	180.2	179.5
82.5°	292.7	230.2	105.1	107.6	151.5	162.0	153.3	141.4	139.6	164.6	162.0
85°	212.7	169.6	64.5	91.3	165.7	153.3	145.1	127.7	122.0	139.6	136.3
87.5°	171.4	135.2	39.5	76.3	151.5	134.5	120.7	105.1	97.6	107.6	102.6
90°	185.2	145.8	39.5	66.3	124.4	100.7	88.8	78.2	70.7	71.3	68.2
92.5°	199.5	155.1	41.9	55.0	92.0	58.1	59.4	54.4	43.1	38.8	35.1
95°	153.8	116.4	36.9	45.7	55.0	35.6	45.7	41.3	29.4	20.6	17.5
97.5°	68.2	55.0	33.1	36.3	38.8	29.4	38.8	33.1	17.5	10.1	8.7
100°	8.0	13.7	28.7	35.1	28.2	20.0	25.6	20.0	7.5	2.5	1.8
102.5°	8.7	6.2	12.6	31.2	16.3	6.2	7.5	7.5	3.2	1.2	1.2
105°	9.4	6.9	5.0	16.3	3.8	1.2	0.6	0.6	0.6	1.2	1.2
107.5°	8.7	6.2	3.2	2.5	1.8	1.2	0.0	0.0	0.0	1.2	1.8
110°	5.0	4.4	3.2	2.5	1.8	1.2	0.0	0.0	0.0	1.8	2.5



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	2.5	1.8	1.2	0.6	0.0	0.0	0.0	2.5	3.2
115°	4.4	3.8	2.5	1.8	1.2	0.6	0.0	0.0	0.0	3.2	3.8
117.5°	5.0	4.4	2.5	1.8	1.2	0.0	0.0	0.0	0.0	3.8	3.8
120°	5.0	4.4	2.5	1.8	0.6	0.0	0.0	0.0	0.0	3.2	3.8
122.5°	5.0	4.4	2.5	1.2	0.6	0.0	0.0	0.0	0.0	3.2	3.8
125°	4.4	4.4	2.5	1.2	0.6	0.0	0.0	0.0	0.0	3.2	3.2
127.5°	4.4	3.8	2.5	1.2	0.6	0.0	0.0	0.0	0.0	2.5	3.2
130°	3.8	3.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	1.8	2.5
132.5°	3.2	2.5	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.6	1.2
135°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	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)