

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: P254583

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5615.9 lumens
Efficiency: N/A
Efficacy: 104.0 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

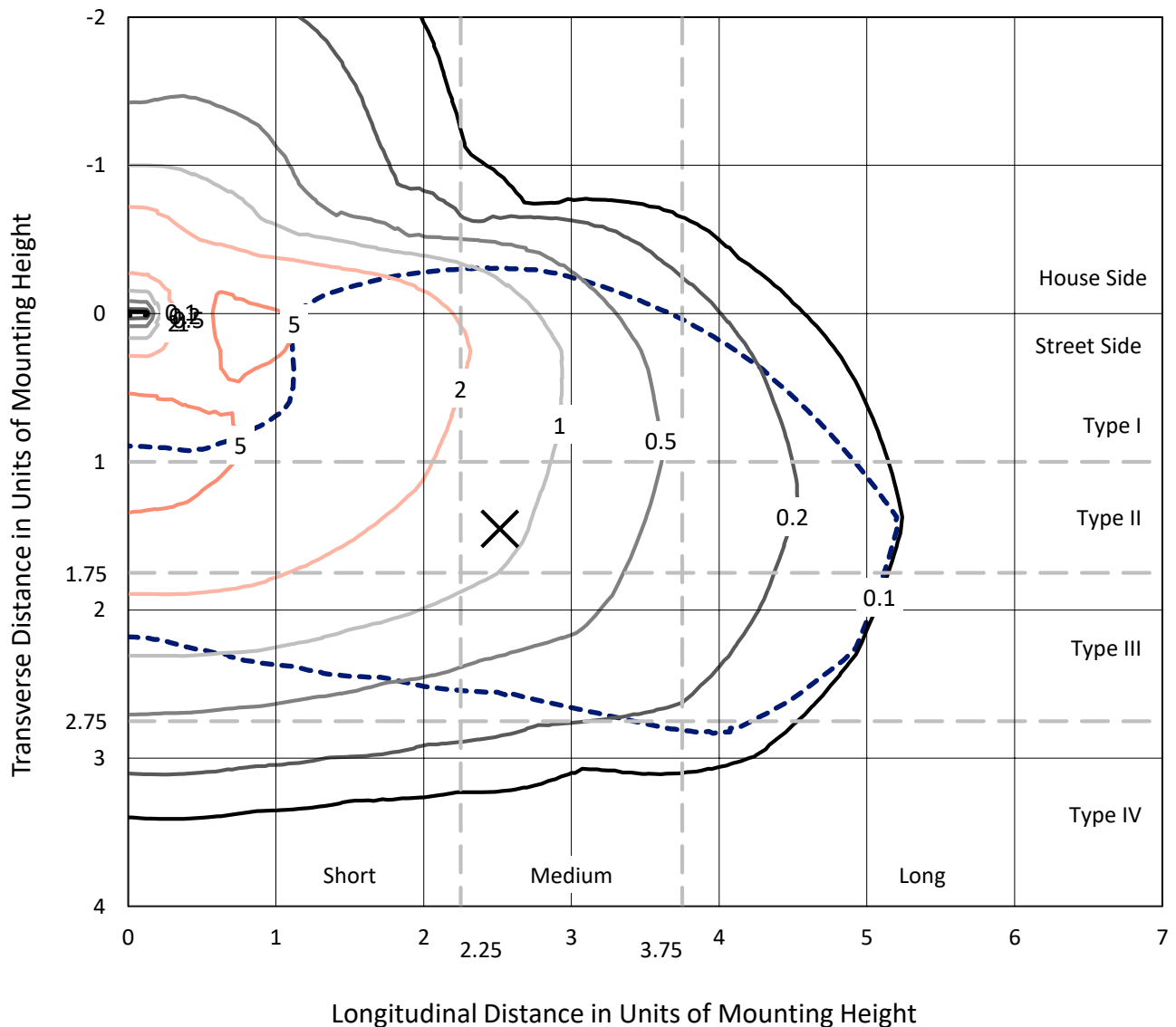
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

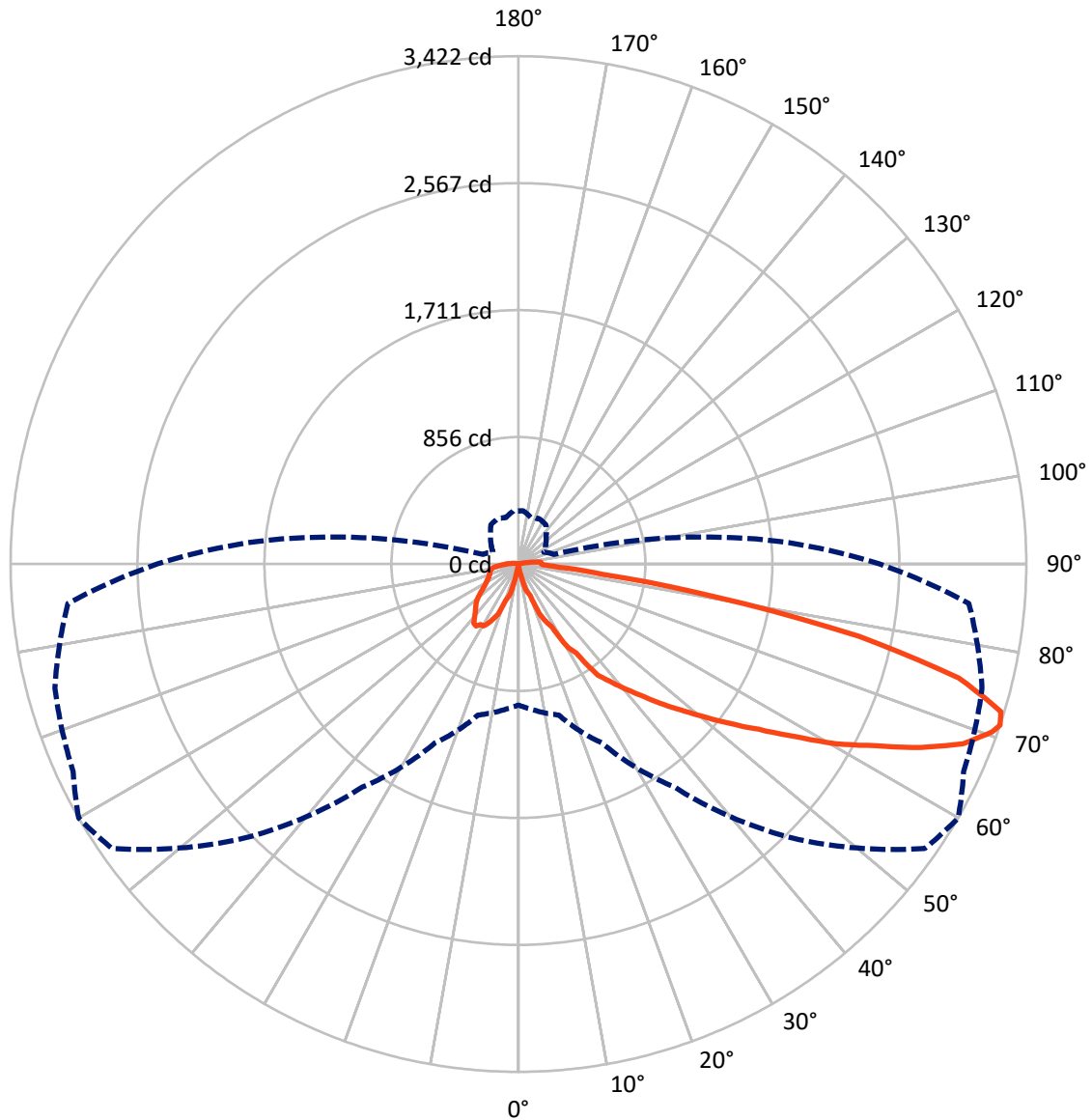


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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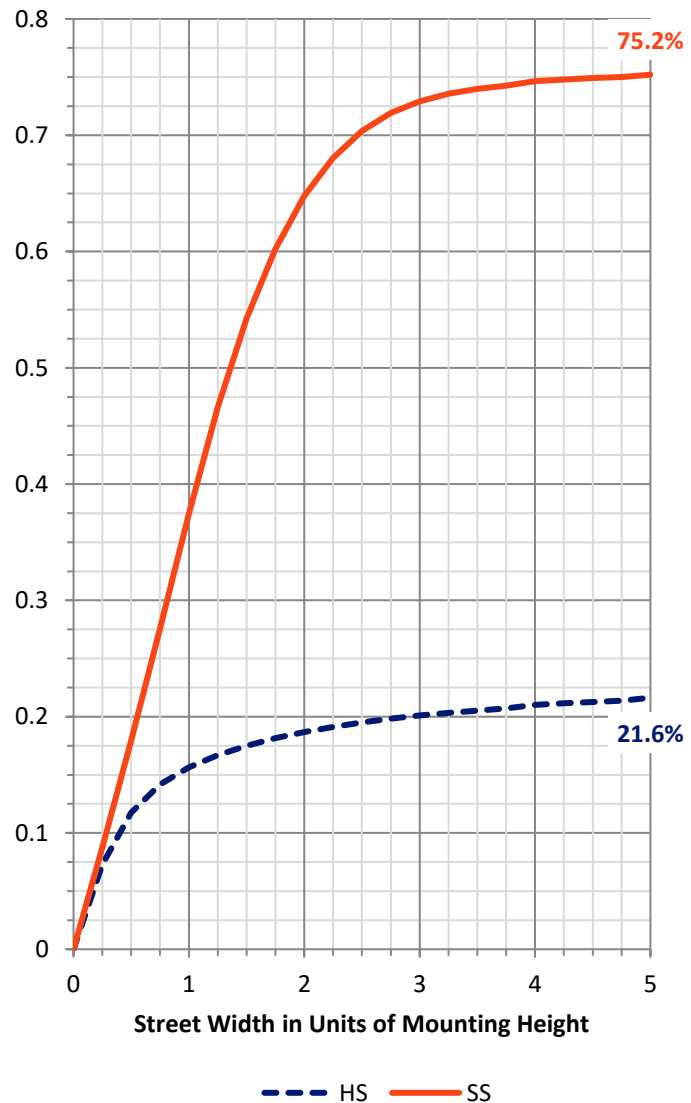
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1275.8	41.4	1317.2
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	4258.4	40.3	4298.7
	% Fixture	75.8	0.7	76.5
Total	Lumens	5534.2	81.7	5615.9
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	50.5	0.9
20°-30°	207.1	3.7
30°-40°	465.6	8.3
40°-50°	808.3	14.4
50°-60°	1224.8	21.8
60°-70°	1509.4	26.9
70°-80°	1028.7	18.3
80°-90°	236.7	4.2
90°-100°	72.3	1.3
100°-110°	6.8	0.1
110°-120°	1.1	0.0
120°-130°	0.7	0.0
130°-140°	0.3	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5534.2	98.5
0°-180°	5615.9	100.0



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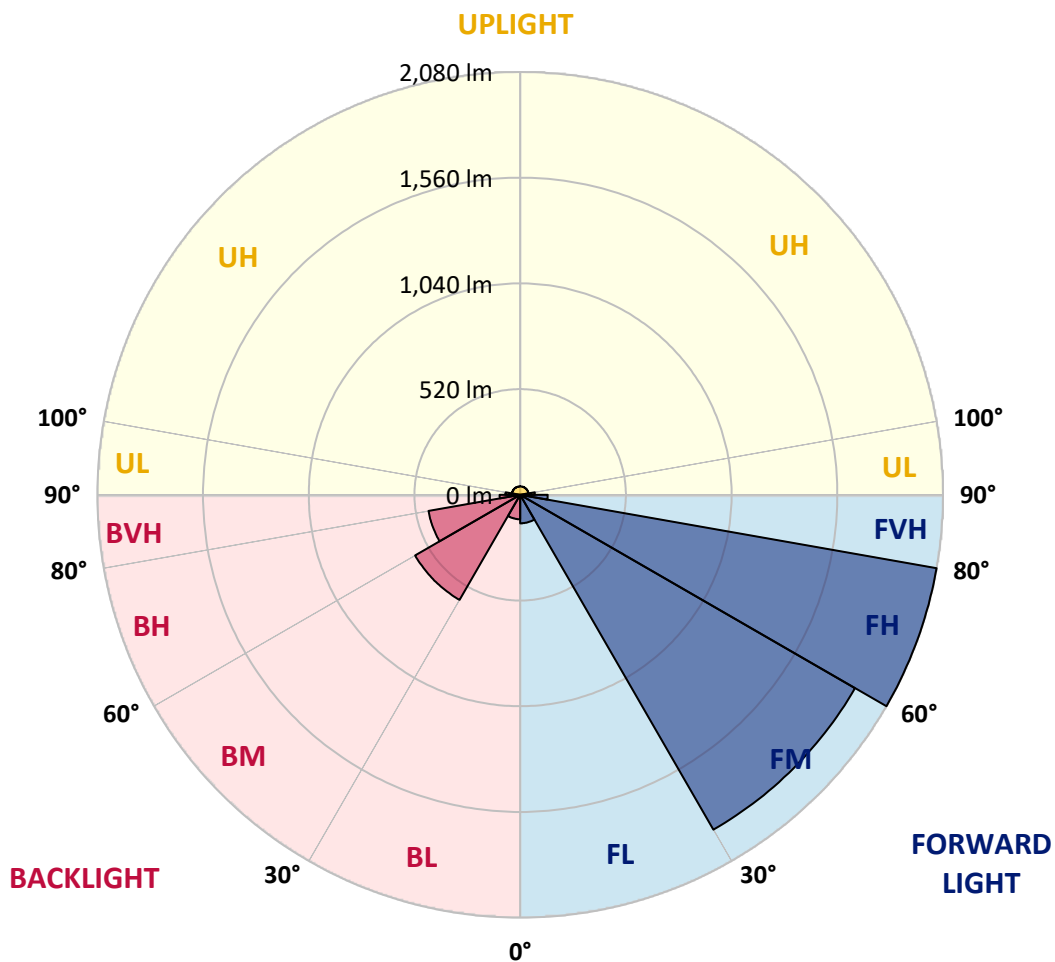
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.3	2.5			
FM (30°-60°)	1902.1	33.9			
FH (60°-80°)	2080.3	37.0			G2/5000
FVH (80°-90°)	135.7	2.4			G2/225
BL (0°-30°)	120.3	2.1	B1/500		
BM (30°-60°)	596.6	10.6	B1/1000		
BH (60°-80°)	457.9	8.2	B1/500		G1/500
BVH (80°-90°)	101.0	1.8			G2/225
UL (90°-100°)	72.3	1.3		U3/500	
UH (100°-180°)	41.4	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	3.3	4.0	2.7	3.3	3.3	2.7	1.9	1.9	2.7	2.7	1.9
5°	60.3	60.9	63.5	65.5	22.5	15.9	5.9	4.0	3.3	2.7	2.7
7.5°	76.1	74.8	73.4	69.5	71.4	66.8	39.7	16.6	8.0	3.3	2.7
10°	88.0	88.0	82.0	77.4	76.7	75.4	71.4	65.5	31.1	6.6	4.6
12.5°	160.8	156.1	148.8	122.3	93.3	84.0	82.0	84.0	68.8	68.1	91.2
15°	183.9	185.3	181.3	171.3	166.0	107.2	141.0	175.3	175.9	141.0	158.8
17.5°	238.9	237.5	217.0	197.8	192.5	205.1	205.7	197.1	197.8	175.9	187.2
20°	355.3	358.5	341.4	289.1	234.2	270.6	262.6	228.2	232.8	332.2	342.7
22.5°	416.8	423.4	402.9	381.0	377.8	300.3	339.4	362.5	352.0	391.7	394.2
25°	618.6	600.7	523.3	447.8	457.8	400.3	439.3	427.4	408.9	437.9	506.8
27.5°	673.5	678.1	658.3	619.9	525.3	546.5	498.2	478.3	551.1	614.6	633.1
30°	798.5	798.5	727.7	713.2	671.5	610.6	651.6	645.7	658.3	668.2	702.6
32.5°	969.9	958.6	926.9	817.0	771.4	698.6	751.6	715.1	737.0	872.6	930.2
35°	1146.5	1145.8	1037.4	956.7	863.4	852.1	827.0	920.9	946.7	952.7	1009.6
37.5°	1371.5	1373.4	1314.5	1077.7	981.7	930.2	996.4	1002.3	1032.7	1084.9	1102.8
40°	1548.7	1538.1	1462.7	1286.1	1130.0	1056.5	1114.1	1104.2	1156.4	1198.1	1223.9
42.5°	1770.3	1763.8	1659.8	1455.5	1335.1	1217.9	1233.8	1208.0	1245.7	1349.6	1360.2
45°	1978.8	1966.2	1870.3	1652.0	1525.5	1396.5	1362.2	1338.3	1346.9	1464.7	1505.1
47.5°	2118.3	2103.8	2067.4	1853.1	1753.8	1585.2	1514.4	1466.7	1477.2	1608.9	1675.8
50°	2292.9	2244.7	2212.2	2020.4	1949.6	1813.4	1663.2	1616.9	1640.7	1761.1	1864.9
52.5°	2386.2	2320.8	2321.5	2184.5	2117.7	2021.0	1829.2	1784.2	1816.0	1931.1	2081.9
55°	2316.2	2309.5	2367.1	2289.1	2251.3	2167.9	2008.6	1967.5	2019.8	2154.0	2320.8
57.5°	2216.2	2226.1	2344.6	2381.6	2381.6	2314.8	2207.6	2190.4	2246.7	2383.0	2550.3
60°	2101.8	2126.3	2277.8	2384.3	2463.1	2459.1	2422.7	2458.4	2474.9	2604.6	2830.2
62.5°	1933.8	1945.0	2122.3	2338.0	2466.9	2593.4	2648.9	2694.6	2757.5	2864.0	3069.7
65°	1741.3	1755.2	1932.5	2213.6	2445.2	2681.4	2870.5	2981.0	3000.2	3085.5	3242.3
67.5°	1492.5	1507.7	1662.5	1980.0	2359.1	2752.8	3096.2	3231.1	3198.7	3186.8	3283.4
70°	1156.4	1155.7	1264.9	1556.6	2044.9	2725.0	3295.2	3387.2	3303.2	3237.7	3169.6
71°	950.0	982.4	1053.8	1329.7	1835.2	2611.9	3342.9	3422.3	3310.5	3233.8	3047.2
72.5°	605.4	643.0	703.9	948.7	1464.7	2319.4	3301.3	3399.2	3286.6	3185.5	2801.0
75°	238.9	247.5	292.5	439.3	794.5	1561.9	2914.9	3063.7	3019.4	2928.1	2245.4
77.5°	144.2	148.8	166.0	219.6	364.5	722.4	2129.0	2345.2	2423.4	2381.0	1545.5
80°	108.5	113.1	128.4	154.8	243.5	300.3	1124.6	1347.6	1540.2	1538.1	867.4
82.5°	82.7	85.3	99.9	109.1	181.3	207.8	424.1	573.6	746.2	746.2	430.0
85°	76.7	76.7	81.3	73.4	120.4	148.8	252.1	275.9	291.7	309.6	250.7
87.5°	30.4	29.8	39.1	37.7	52.9	97.9	159.5	166.7	156.1	189.2	216.4
90°	20.5	21.2	16.6	16.6	29.2	90.0	145.6	152.8	143.5	170.7	222.3
92.5°	19.8	20.5	15.2	15.2	21.8	74.8	152.1	154.8	147.5	175.9	226.3
95°	17.9	18.5	12.6	12.6	17.2	45.6	141.6	145.6	126.3	142.2	181.3
97.5°	13.9	14.5	8.6	9.3	13.2	17.2	84.7	90.6	70.8	66.8	78.8
100°	9.3	9.9	5.3	6.6	8.0	8.0	32.4	35.1	31.7	17.2	9.9
102.5°	8.6	9.3	4.0	4.0	4.0	2.7	6.6	10.5	5.9	7.3	8.6
105°	8.0	9.3	2.7	1.9	1.3	1.3	1.9	2.7	3.3	4.6	9.3
107.5°	5.3	5.9	1.3	1.3	0.6	1.3	1.3	1.3	1.9	3.3	8.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.7	2.7	0.6	0.6	0.0	0.6	0.6	1.3	1.9	2.7	4.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.9	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.9	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.9	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.9	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	3.3
125°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	3.3
127.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	2.7
130°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7
132.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
140°	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.3
142.5°	1.3	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	1.3	1.3
145°	1.3	1.3	0.6	0.6	0.0	0.0	0.6	0.6	1.3	1.3	1.3
147.5°	1.9	1.9	0.6	0.0	0.0	0.0	0.6	0.6	1.3	1.3	1.9
150°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6	0.6
5°	1.9	1.9	1.9	1.9	1.9	1.3	2.7	4.0	4.6	5.3	5.3
7.5°	2.7	2.7	2.7	2.7	2.7	5.3	33.0	73.4	84.0	90.0	88.0
10°	4.6	4.6	4.0	4.6	16.6	82.0	99.9	107.2	108.5	113.1	117.1
12.5°	97.9	84.0	39.7	22.5	84.7	106.5	115.1	121.1	127.7	158.8	142.2
15°	162.0	165.4	162.0	178.6	199.8	120.4	142.9	218.3	236.8	242.1	240.8
17.5°	191.9	187.9	187.9	228.9	236.8	235.5	227.6	243.5	248.1	256.0	253.4
20°	357.2	358.5	336.8	266.0	252.7	316.9	254.7	254.0	303.0	348.0	349.3
22.5°	398.2	401.6	391.0	394.2	330.8	327.4	319.6	335.4	354.6	363.2	360.6
25°	540.5	503.5	436.0	406.2	400.9	334.7	377.1	346.0	348.6	353.3	356.6
27.5°	655.0	650.3	606.6	495.5	400.9	406.2	363.2	357.2	396.9	400.9	401.6
30°	709.2	697.2	648.3	521.3	440.0	389.0	353.9	381.8	375.7	379.7	379.7
32.5°	945.4	940.1	832.3	535.2	426.1	359.9	362.5	361.9	396.3	407.5	404.9
35°	1008.9	999.0	839.5	607.9	404.2	363.2	341.4	367.1	367.1	371.8	370.5
37.5°	1087.6	1071.0	851.4	582.2	417.5	341.4	334.1	341.4	359.9	365.2	361.9
40°	1196.1	1158.4	841.5	539.2	389.6	338.1	321.5	334.7	333.4	326.8	323.5
42.5°	1309.3	1264.3	842.2	499.5	367.9	333.4	317.5	314.9	311.0	300.3	298.4
45°	1456.1	1367.5	852.1	471.7	349.3	330.8	313.5	301.7	295.7	285.1	283.2
47.5°	1623.5	1478.0	848.7	449.2	330.8	322.8	301.7	290.4	287.1	272.6	270.6
50°	1792.2	1585.2	851.4	418.8	309.6	314.3	298.4	282.5	276.5	260.0	259.3
52.5°	1989.3	1697.0	834.2	375.1	285.1	303.0	300.3	284.5	284.5	260.0	258.0
55°	2184.5	1833.8	819.7	328.8	268.6	293.7	304.3	298.4	297.1	263.3	261.4
57.5°	2377.0	1951.6	772.7	288.5	258.0	285.8	313.5	307.6	303.6	276.5	270.6
60°	2584.8	2105.7	684.0	256.7	252.1	279.2	316.2	315.6	293.1	290.4	287.1
62.5°	2740.9	2195.0	569.6	235.5	243.5	277.2	314.9	314.9	295.7	295.0	293.7
65°	2815.0	2206.3	430.7	219.0	234.9	273.8	310.3	322.8	307.6	309.6	307.0
67.5°	2777.3	2121.0	324.2	204.4	226.9	271.3	311.0	332.2	318.2	338.7	335.4
70°	2578.1	1901.4	266.6	194.5	224.2	266.6	320.2	334.7	325.5	358.5	354.6
71°	2433.3	1759.8	248.8	188.5	224.2	263.9	322.2	335.4	324.2	360.6	357.2
72.5°	2187.8	1510.4	229.6	179.9	222.9	262.6	322.2	334.7	328.2	369.2	363.2
75°	1648.6	1036.7	205.7	175.3	221.7	258.7	315.6	328.8	322.8	353.9	352.6
77.5°	1056.5	606.0	183.9	174.6	216.4	256.7	307.0	316.9	306.3	332.8	331.4
80°	581.5	348.0	163.4	163.4	205.7	252.1	293.7	295.7	285.1	305.7	297.1
82.5°	345.3	246.7	135.6	143.5	190.6	239.5	279.2	270.0	258.7	296.3	252.1
85°	232.8	191.9	93.3	110.5	171.3	207.8	248.8	234.2	215.0	216.4	206.4
87.5°	193.1	152.8	49.0	72.1	133.0	152.1	184.5	170.0	150.2	147.5	138.9
90°	191.9	148.8	39.1	64.9	106.5	117.7	142.9	129.0	117.7	122.3	115.8
92.5°	193.1	147.5	40.4	55.5	87.4	88.7	117.1	111.8	101.9	103.8	97.3
95°	154.8	115.8	39.1	44.3	49.6	47.0	72.1	72.1	62.2	58.9	54.9
97.5°	64.9	57.6	36.4	35.7	35.1	25.8	41.6	47.7	32.4	21.8	19.2
100°	9.9	16.6	30.4	33.8	24.4	15.2	26.5	30.4	17.2	3.3	2.7
102.5°	9.9	8.6	12.6	25.2	14.5	4.0	10.5	17.2	8.6	1.9	2.7
105°	10.5	8.6	5.3	13.2	3.3	1.3	0.6	4.6	1.3	1.9	1.9
107.5°	9.9	8.0	3.3	2.7	1.9	0.6	0.0	0.0	0.0	1.9	2.7



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.3	4.6	3.3	1.9	1.3	0.6	0.0	0.0	0.0	1.9	2.7
112.5°	3.3	4.0	2.7	1.9	0.6	0.6	0.0	0.0	0.0	2.7	3.3
115°	4.0	4.0	2.7	1.3	0.6	0.0	0.0	0.0	0.0	2.7	3.3
117.5°	4.0	4.0	2.7	1.3	0.6	0.0	0.0	0.0	0.0	2.7	3.3
120°	4.0	4.0	2.7	1.3	0.6	0.0	0.0	0.0	0.0	2.7	3.3
122.5°	4.0	4.0	2.7	1.3	0.6	0.0	0.0	0.0	0.0	1.9	2.7
125°	3.3	3.3	2.7	1.3	0.0	0.0	0.0	0.0	0.0	1.9	2.7
127.5°	3.3	3.3	1.9	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.9
130°	3.3	3.3	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.3
132.5°	2.7	2.7	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	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)