

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: P254638

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6441.5 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G2

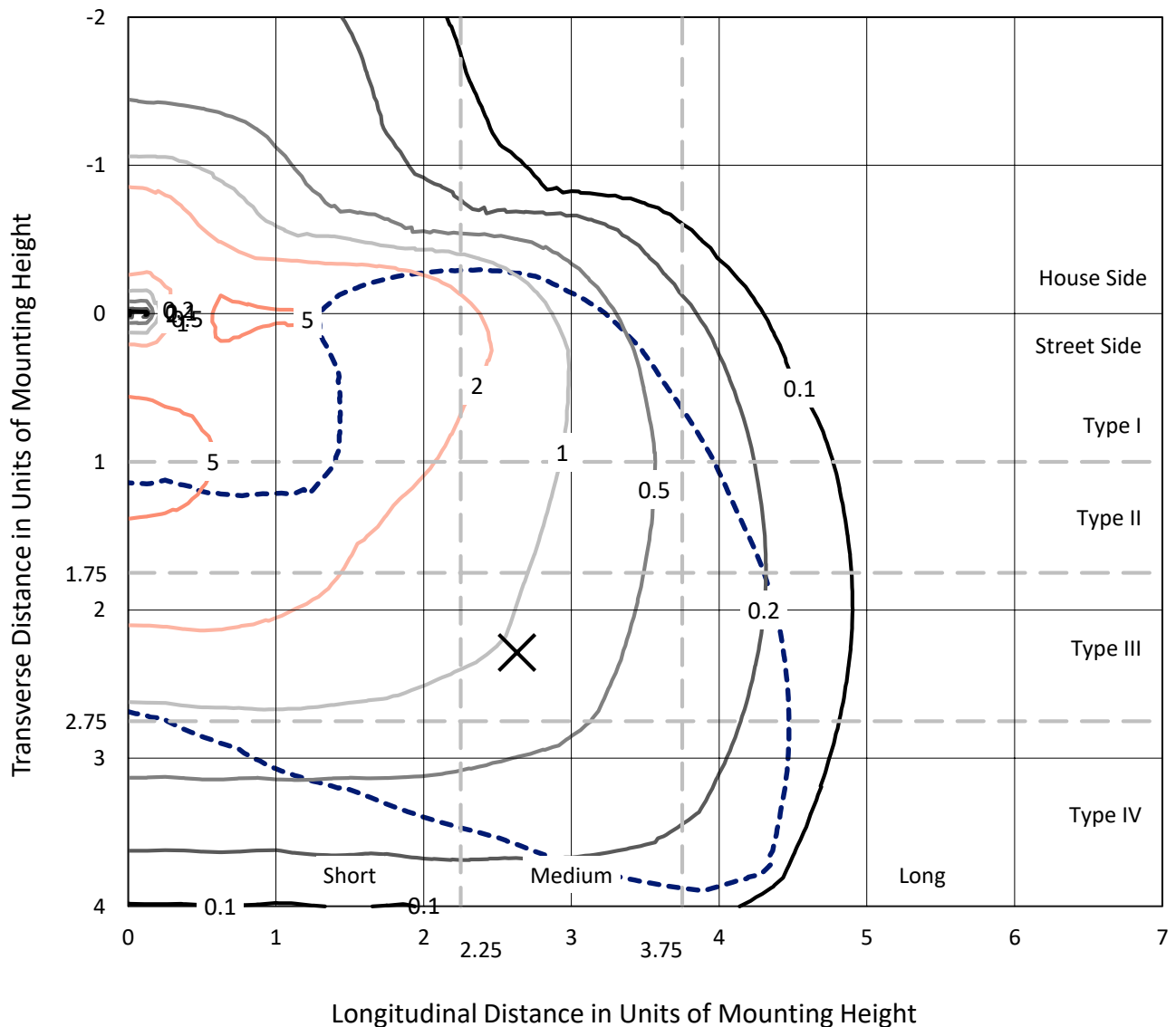
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

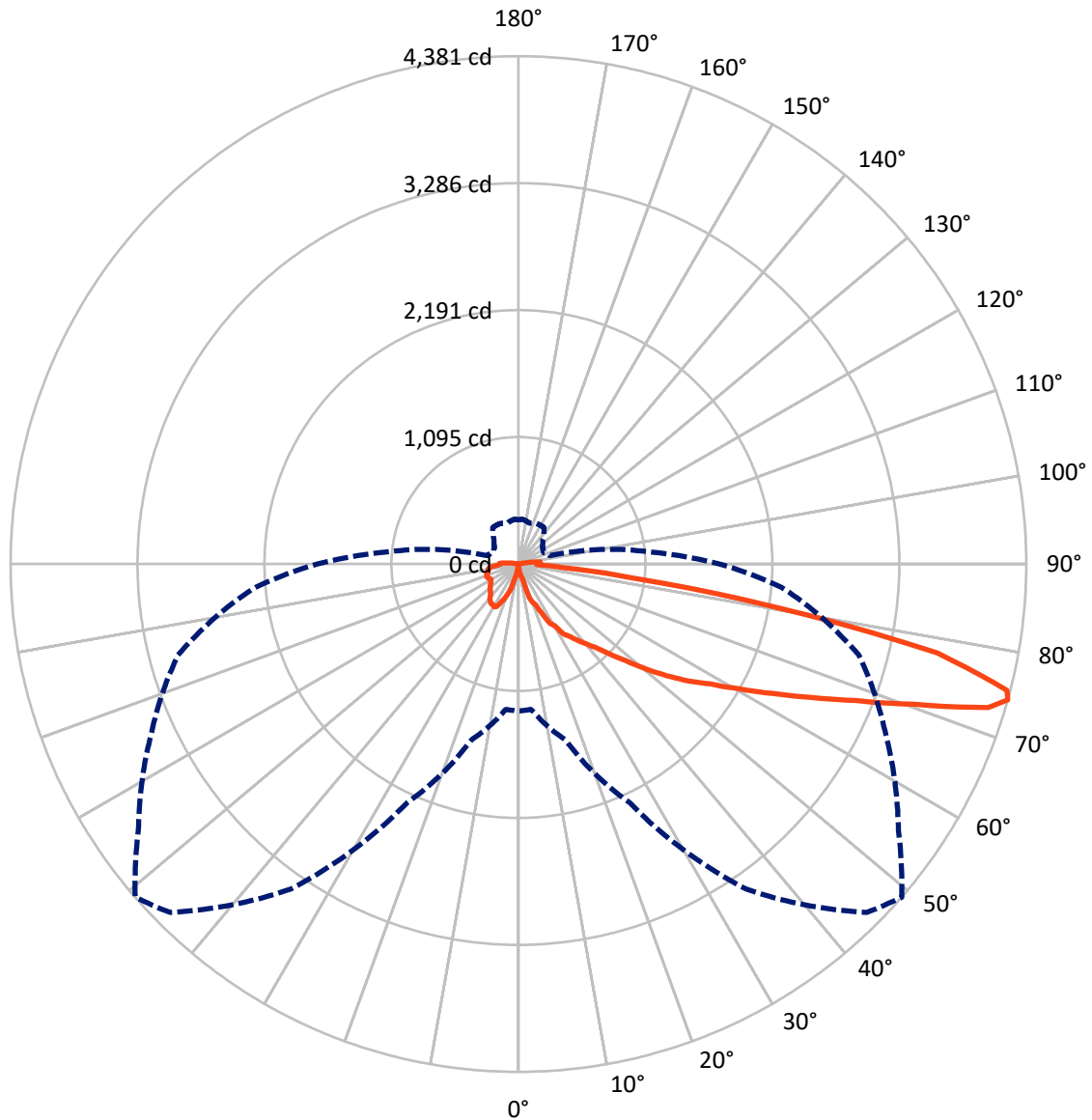
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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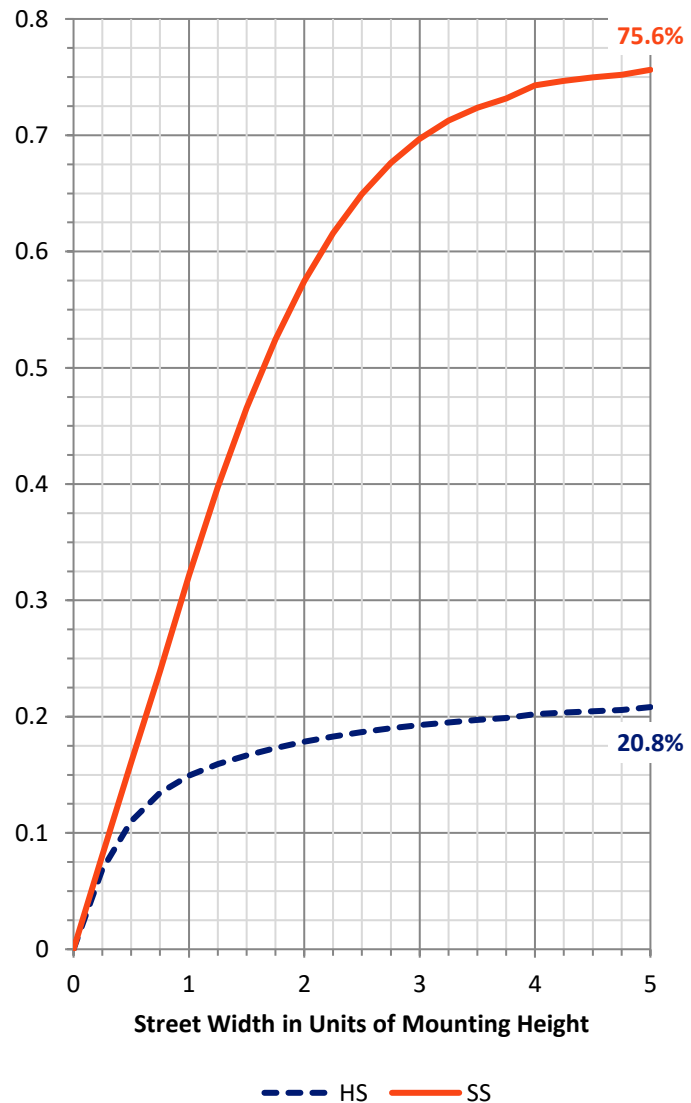
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1420.6	61.0	1481.6
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	4908.7	51.1	4959.8
	% Fixture	76.2	0.8	77.0
Total	Lumens	6329.3	112.1	6441.5
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	57.9	0.9
20°-30°	219.8	3.4
30°-40°	467.2	7.3
40°-50°	768.0	11.9
50°-60°	1238.6	19.2
60°-70°	1789.7	27.8
70°-80°	1469.3	22.8
80°-90°	315.1	4.9
90°-100°	101.5	1.6
100°-110°	8.0	0.1
110°-120°	1.1	0.0
120°-130°	0.8	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6329.3	98.3
0°-180°	6441.5	100.0

Coefficient of Utilization



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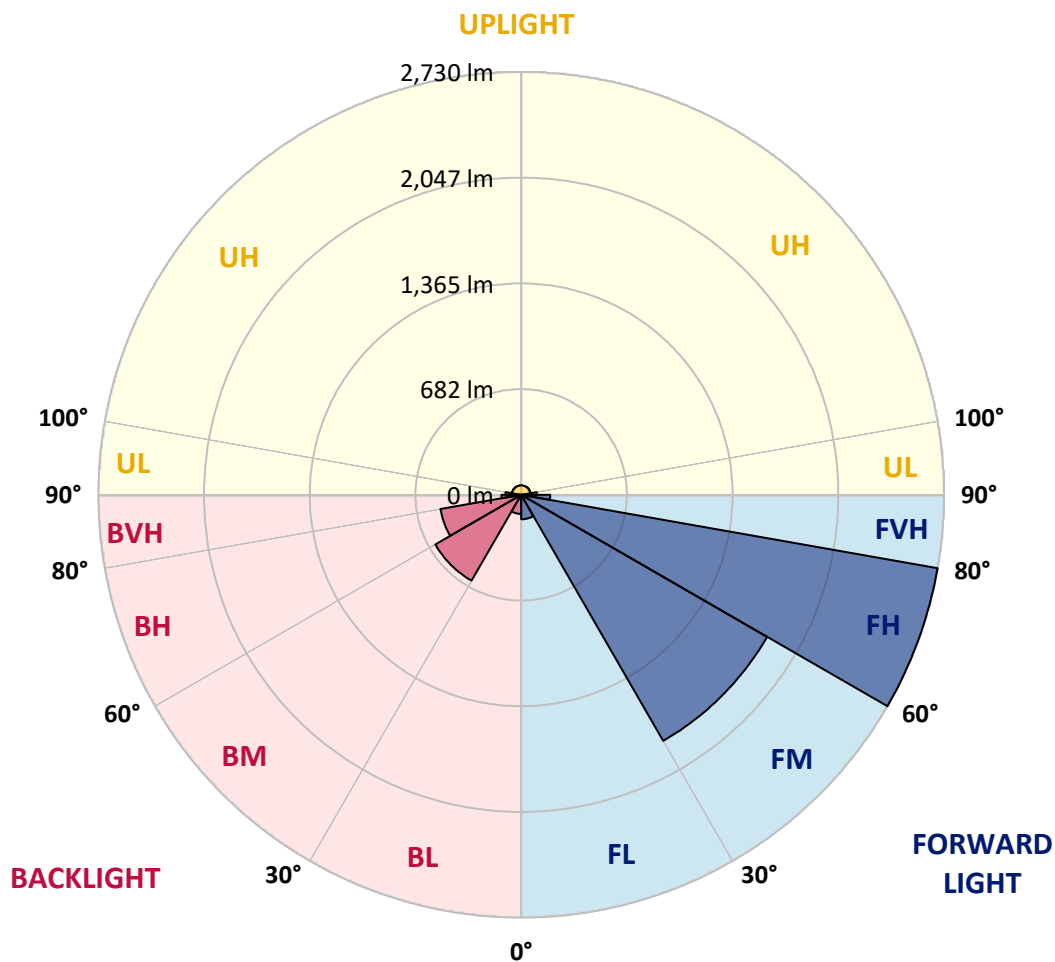
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.9	2.5			
FM (30°-60°)	1833.7	28.5			
FH (60°-80°)	2729.6	42.4			G2/5000
FVH (80°-90°)	187.6	2.9			G2/225
BL (0°-30°)	123.5	1.9	B1/500		
BM (30°-60°)	640.2	9.9	B1/1000		
BH (60°-80°)	529.3	8.2	B2/1000		G2/1000
BVH (80°-90°)	127.6	2.0			G2/225
UL (90°-100°)	101.5	1.6		U3/500	
UH (100°-180°)	61.0	0.9		U3/500	

BUG Rating: B2-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	5.3	4.6	3.8	3.1	3.1	2.3	2.3	2.3	3.1	3.1	3.1
5°	85.6	84.9	77.2	73.3	29.8	18.3	16.1	9.9	3.8	3.1	3.1
7.5°	101.7	100.1	97.9	102.4	95.5	83.4	76.4	44.3	12.3	3.8	3.1
10°	134.5	133.0	121.5	118.5	107.8	98.6	93.3	87.2	36.7	7.7	5.3
12.5°	254.6	246.1	239.3	202.5	136.9	110.9	110.1	103.2	86.3	77.9	94.8
15°	287.4	279.8	268.3	266.1	243.1	146.8	134.5	185.8	220.1	165.1	169.0
17.5°	325.7	329.5	314.3	282.1	262.2	280.6	308.8	272.9	241.6	201.0	204.1
20°	458.7	455.6	443.3	406.7	332.6	361.6	351.7	345.6	282.1	371.5	360.8
22.5°	476.3	475.5	469.4	447.2	477.8	385.3	382.3	425.9	419.7	427.4	412.0
25°	624.6	630.6	610.8	479.4	503.0	492.3	474.8	517.5	469.4	473.2	527.5
27.5°	654.4	651.3	640.7	613.9	532.0	583.3	578.7	548.9	609.3	642.2	646.0
30°	823.4	801.9	692.6	667.4	642.2	610.8	619.2	653.7	680.4	671.3	708.7
32.5°	905.1	899.8	882.2	782.9	694.9	676.6	720.9	733.1	717.8	850.1	915.1
35°	1178.0	1153.6	1012.9	867.7	774.4	764.5	769.1	768.3	873.0	896.7	986.2
37.5°	1519.8	1487.7	1376.8	1064.2	845.5	800.5	838.6	877.6	913.6	982.3	1051.2
40°	1720.1	1703.2	1614.6	1315.6	986.2	870.7	908.2	927.3	974.7	1031.2	1146.7
42.5°	1873.7	1872.2	1816.4	1493.0	1178.0	982.3	989.2	991.5	1026.7	1118.4	1255.3
45°	1978.5	1977.0	1986.9	1659.6	1361.5	1109.3	1110.0	1082.5	1107.8	1227.0	1405.8
47.5°	2108.4	2085.5	2108.4	1836.3	1520.5	1259.9	1246.1	1181.9	1234.6	1377.6	1615.3
50°	2238.4	2216.9	2226.1	1974.6	1678.0	1443.4	1418.8	1333.2	1405.8	1567.2	1874.5
52.5°	2408.1	2380.6	2339.3	2120.7	1891.3	1634.5	1600.1	1530.4	1597.7	1805.7	2201.7
55°	2532.7	2512.9	2499.1	2327.8	2041.9	1804.2	1780.4	1701.7	1883.7	2072.5	2551.0
57.5°	2629.8	2637.5	2679.5	2581.6	2324.8	1990.7	1952.5	1919.6	2153.5	2388.2	2925.6
60°	2732.2	2717.7	2820.9	2817.8	2564.0	2178.0	2185.6	2181.0	2428.8	2689.4	3360.6
62.5°	2726.2	2737.6	2923.4	2985.3	2769.7	2428.0	2457.8	2449.4	2710.8	2989.1	3683.2
65°	2479.2	2512.9	2917.3	3058.7	3024.3	2723.8	2773.5	2766.7	3037.2	3244.5	3887.4
67.5°	2317.1	2359.9	2741.4	3118.3	3265.9	3103.0	3142.8	3117.5	3270.5	3386.7	3888.1
70°	2147.4	2177.2	2516.7	3142.0	3526.5	3597.6	3622.9	3466.9	3464.6	3467.7	3569.4
72.5°	1747.6	1751.4	2058.8	2778.1	3639.7	4133.5	4235.2	3892.7	3565.5	3315.6	2867.5
74°	1268.3	1258.3	1571.8	2272.8	3422.6	4250.5	4381.2	4001.3	3498.3	3040.3	2272.8
75°	915.1	941.1	1173.4	1838.5	3088.5	4218.3	4352.1	3979.1	3359.2	2761.3	1848.5
77.5°	291.2	301.2	382.3	774.4	1891.3	3457.0	3694.0	3343.8	2558.0	1744.5	955.6
80°	156.0	162.9	204.1	304.2	793.5	2006.7	2236.9	1942.6	1420.4	876.9	522.9
82.5°	93.3	97.9	133.8	183.5	411.3	833.3	986.2	808.0	691.8	504.5	365.4
85°	60.4	61.9	77.9	113.1	266.8	328.0	384.5	396.0	394.4	353.9	293.6
87.5°	33.7	34.4	36.7	48.2	122.3	172.0	156.7	191.9	229.3	227.8	259.9
90°	23.7	23.7	19.8	21.4	67.3	172.8	157.4	169.0	152.1	178.9	268.3
92.5°	22.2	22.9	18.3	19.1	53.5	169.7	189.6	188.8	156.0	187.3	269.9
95°	18.3	19.8	14.5	16.1	33.7	145.3	188.0	187.3	137.6	148.3	191.9
97.5°	14.5	15.2	9.9	12.3	19.8	74.2	113.1	107.8	72.6	62.7	74.9
100°	9.2	9.9	5.3	8.4	12.3	24.4	40.5	42.9	33.7	15.2	9.2
102.5°	9.2	9.9	3.8	5.3	5.3	6.9	9.2	7.7	10.7	5.3	7.7
105°	9.2	9.9	3.1	2.3	1.5	2.3	1.5	2.3	3.8	4.6	9.2
107.5°	6.9	7.7	1.5	1.5	0.7	1.5	1.5	1.5	2.3	3.8	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	4.6	4.6	0.7	0.7	0.0	1.5	1.5	1.5	2.3	3.1	4.6
112.5°	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	2.3	2.3	3.1
115°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.5	2.3	3.8
117.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3	3.8
120°	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.8
122.5°	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.8
125°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.8
127.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.1
130°	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.1
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
142.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
145°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	1.5	1.5	2.3
147.5°	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.5	2.3	2.3
150°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.3	2.3	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.3	2.3	1.5	1.5	0.7	0.7	1.5	2.3	3.8	5.3	5.3
7.5°	3.1	2.3	2.3	2.3	2.3	10.7	39.0	68.0	85.6	91.8	90.2
10°	5.3	4.6	4.6	4.6	22.9	74.9	100.1	102.4	110.1	111.6	110.9
12.5°	114.7	97.9	61.2	29.1	80.3	104.8	109.4	116.9	122.3	160.5	168.2
15°	169.7	167.5	162.9	172.0	186.5	120.0	147.5	197.2	223.2	233.1	236.2
17.5°	203.4	200.3	187.3	217.1	230.1	227.8	220.1	236.2	240.1	249.2	248.5
20°	369.3	361.6	322.6	256.1	240.8	302.7	248.5	249.2	309.6	345.6	342.5
22.5°	407.4	403.7	382.3	376.1	324.2	320.3	332.6	340.9	367.8	380.7	379.2
25°	529.1	524.5	425.0	389.8	395.3	339.4	396.8	370.8	382.3	416.6	412.0
27.5°	655.9	645.2	567.2	475.5	396.0	422.0	399.9	437.3	476.3	496.9	499.2
30°	717.1	698.0	607.0	500.0	434.2	417.4	420.4	477.0	484.0	501.5	505.3
32.5°	947.2	931.1	773.7	513.7	435.0	399.1	441.9	466.4	539.7	578.0	581.0
35°	1012.2	998.4	780.5	576.4	419.7	413.6	418.2	485.5	522.9	550.4	555.1
37.5°	1082.5	1058.8	793.5	541.2	431.9	385.3	404.4	441.1	506.1	553.5	565.7
40°	1181.9	1139.1	785.9	504.5	401.3	376.1	374.6	418.2	446.4	469.4	473.2
42.5°	1308.8	1235.4	790.4	470.1	373.8	350.2	356.3	376.1	386.1	387.6	387.6
45°	1464.8	1355.4	810.4	441.9	350.9	337.9	340.2	345.6	347.1	328.8	326.4
47.5°	1675.0	1509.9	827.2	419.7	334.1	329.5	322.6	325.7	319.6	295.1	292.1
50°	1924.2	1694.1	841.7	393.7	318.8	318.0	316.5	305.0	294.3	271.4	268.3
52.5°	2191.0	1912.0	849.4	365.4	306.6	308.8	310.4	291.2	276.0	258.4	256.9
55°	2539.6	2165.8	867.7	339.4	292.1	296.7	305.0	285.9	271.4	259.9	266.8
57.5°	2883.6	2447.1	852.4	315.7	281.3	285.2	298.2	290.5	283.7	283.7	285.2
60°	3217.0	2691.0	757.6	296.7	271.4	276.0	303.5	317.2	316.5	331.0	334.8
62.5°	3440.9	2817.8	617.7	279.8	263.0	280.6	328.8	360.8	355.5	361.6	364.7
65°	3531.8	2810.3	471.0	267.6	257.6	300.4	357.7	389.1	369.3	355.5	352.4
67.5°	3435.6	2641.3	382.3	257.6	257.6	318.8	382.3	390.7	369.3	370.0	364.7
70°	3044.9	2247.5	328.8	247.7	261.5	315.7	394.4	388.3	370.0	383.0	375.3
72.5°	2285.1	1601.5	295.1	240.8	259.9	303.5	387.6	387.6	372.3	397.5	389.8
74°	1733.1	1160.4	280.6	238.6	252.3	297.4	385.3	383.8	366.2	388.3	380.7
75°	1365.3	886.8	271.4	235.5	247.7	293.6	381.5	379.9	363.1	386.8	380.7
77.5°	698.0	463.3	250.0	230.1	236.2	288.2	371.5	372.3	350.9	373.1	368.5
80°	444.9	350.9	222.5	212.6	227.8	289.0	365.4	361.6	337.2	361.6	350.9
82.5°	354.8	289.7	180.4	184.2	217.1	284.4	361.6	344.0	319.6	356.3	319.6
85°	284.4	243.9	124.6	136.1	192.6	261.5	344.7	308.1	282.8	288.2	283.7
87.5°	240.1	197.2	58.8	88.7	150.6	200.3	256.1	238.6	219.4	228.6	218.6
90°	243.1	189.6	42.0	68.0	136.1	166.6	204.1	178.9	168.2	171.2	165.1
92.5°	236.2	181.2	42.9	56.6	133.0	182.7	215.5	182.7	161.3	155.2	149.9
95°	159.8	125.4	39.8	44.3	84.9	143.7	174.3	138.4	112.4	99.4	95.5
97.5°	61.2	55.0	34.4	36.7	44.3	76.4	100.9	88.7	60.4	43.6	41.3
100°	9.2	15.2	28.3	34.4	26.0	29.1	42.0	47.4	30.6	3.1	2.3
102.5°	9.9	8.4	11.5	26.0	15.2	6.1	13.0	26.0	16.8	1.5	1.5
105°	11.5	9.2	4.6	11.5	3.8	0.7	0.7	5.3	3.8	0.7	1.5
107.5°	9.9	8.4	3.1	2.3	0.7	0.7	0.0	0.0	0.0	0.7	1.5



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.3	5.3	3.1	1.5	0.7	0.7	0.0	0.0	0.0	1.5	1.5
112.5°	3.8	3.8	2.3	1.5	0.7	0.0	0.0	0.0	0.0	1.5	2.3
115°	4.6	3.8	2.3	0.7	0.0	0.0	0.0	0.0	0.0	2.3	2.3
117.5°	4.6	4.6	2.3	0.7	0.0	0.0	0.0	0.0	0.0	2.3	3.1
120°	4.6	4.6	2.3	0.7	0.0	0.0	0.0	0.0	0.0	2.3	2.3
122.5°	4.6	3.8	2.3	0.7	0.0	0.0	0.0	0.0	0.0	1.5	2.3
125°	3.8	3.8	2.3	0.7	0.0	0.0	0.0	0.0	0.0	1.5	1.5
127.5°	3.8	3.8	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5
130°	3.1	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
132.5°	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.0	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)