

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: P254843

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-T3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3990.1 lumens
Efficiency: N/A
Efficacy: 99.8 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

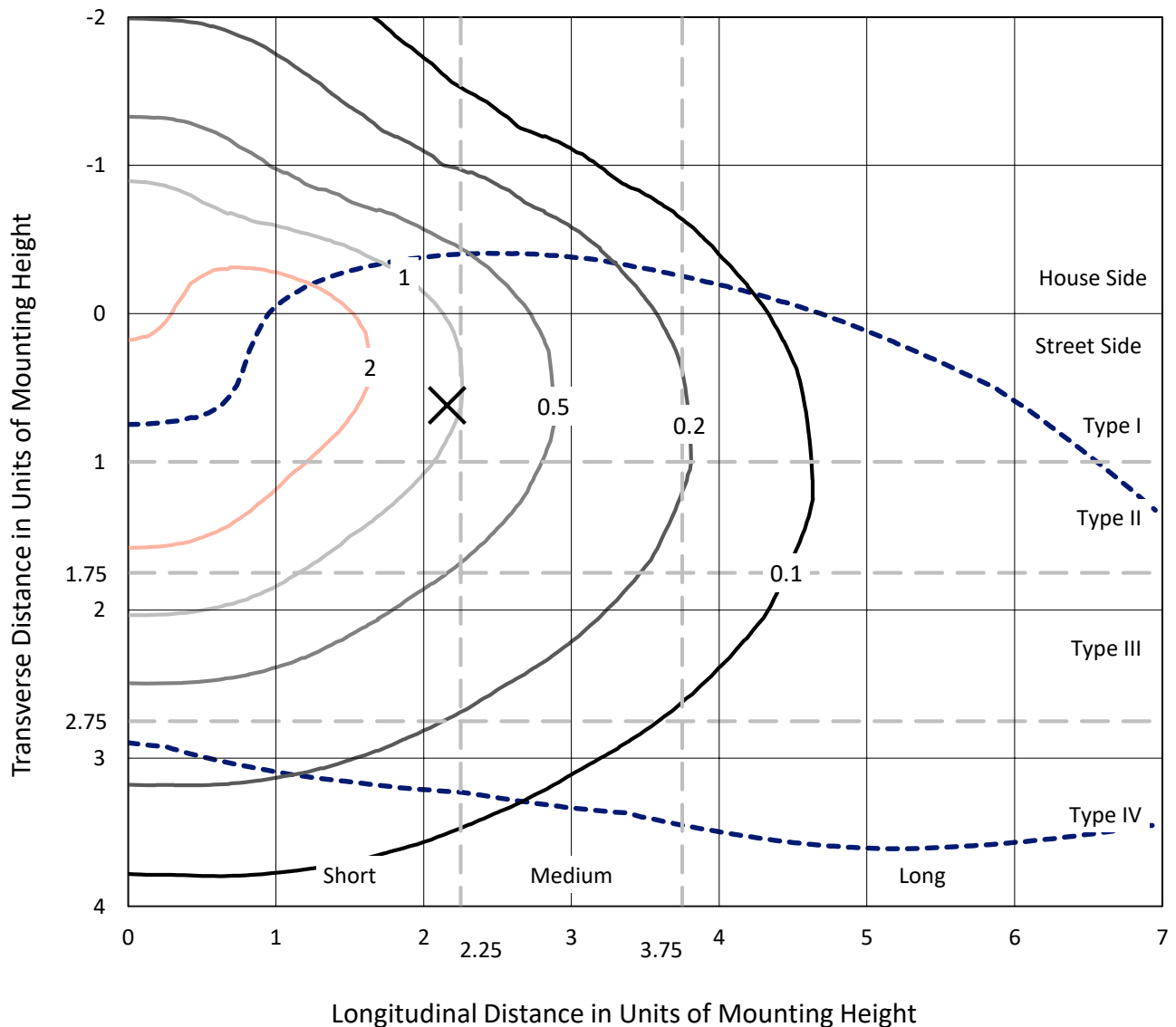


REPORT NUMBER: P254843

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

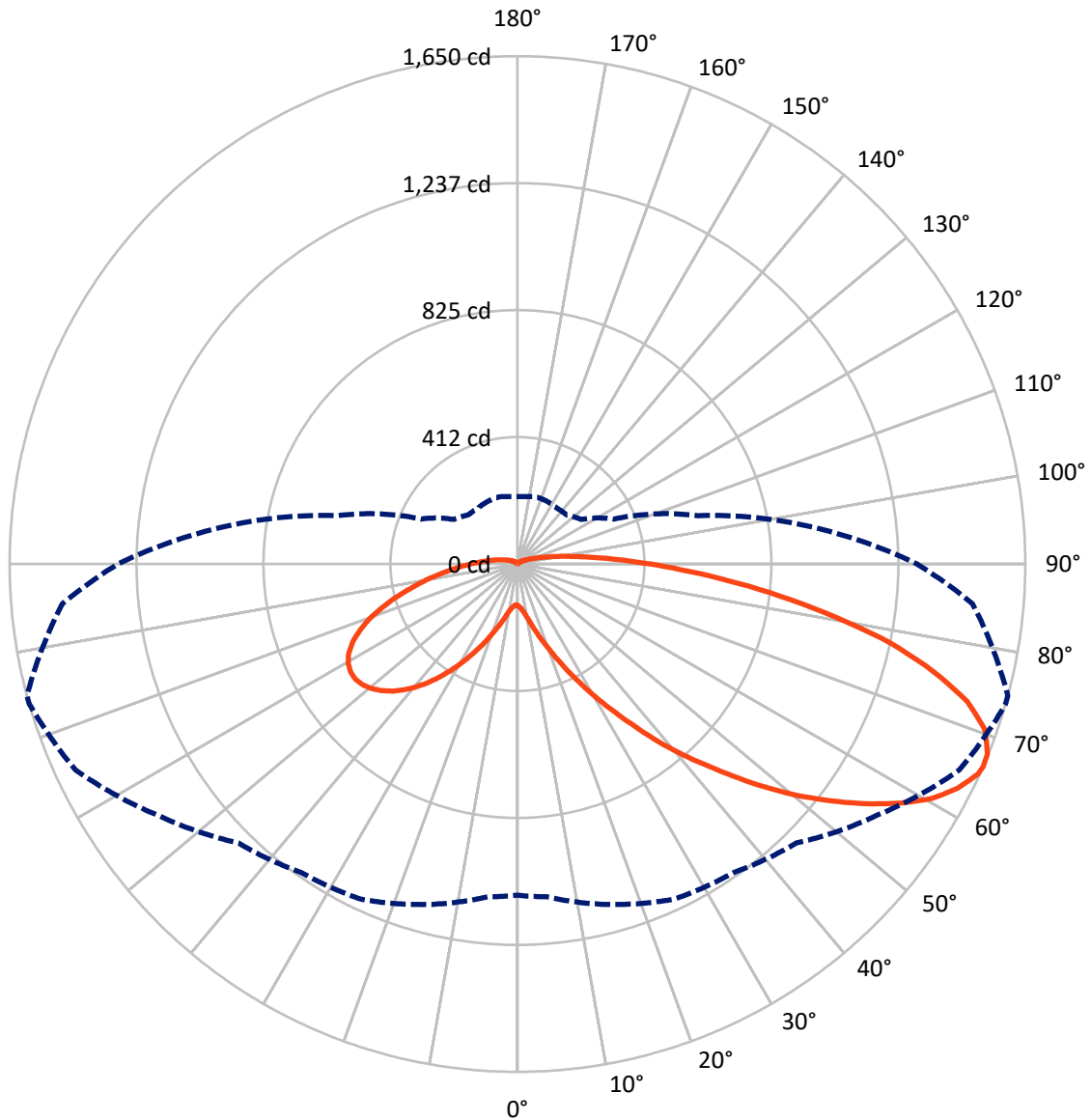


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P254843

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7030

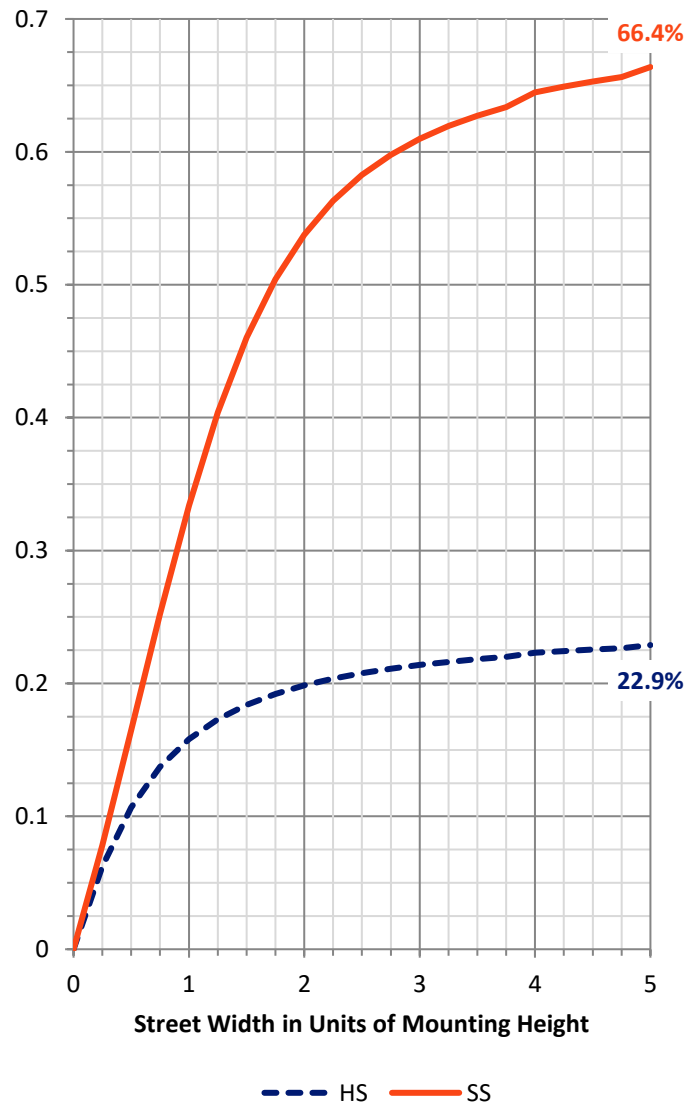
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.7	99.2	1059.0
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	2761.1	170.1	2931.2
	% Fixture	69.2	4.3	73.5
Total	Lumens	3720.8	269.3	3990.1
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.4
10°-20°	60.4	1.5
20°-30°	155.0	3.9
30°-40°	313.9	7.9
40°-50°	531.4	13.3
50°-60°	753.5	18.9
60°-70°	850.7	21.3
70°-80°	680.3	17.0
80°-90°	361.4	9.1
90°-100°	152.4	3.8
100°-110°	64.8	1.6
110°-120°	29.9	0.7
120°-130°	14.3	0.4
130°-140°	6.2	0.2
140°-150°	1.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3720.8	93.2
0°-180°	3990.1	100.0

Coefficient of Utilization



REPORT NUMBER: P254843

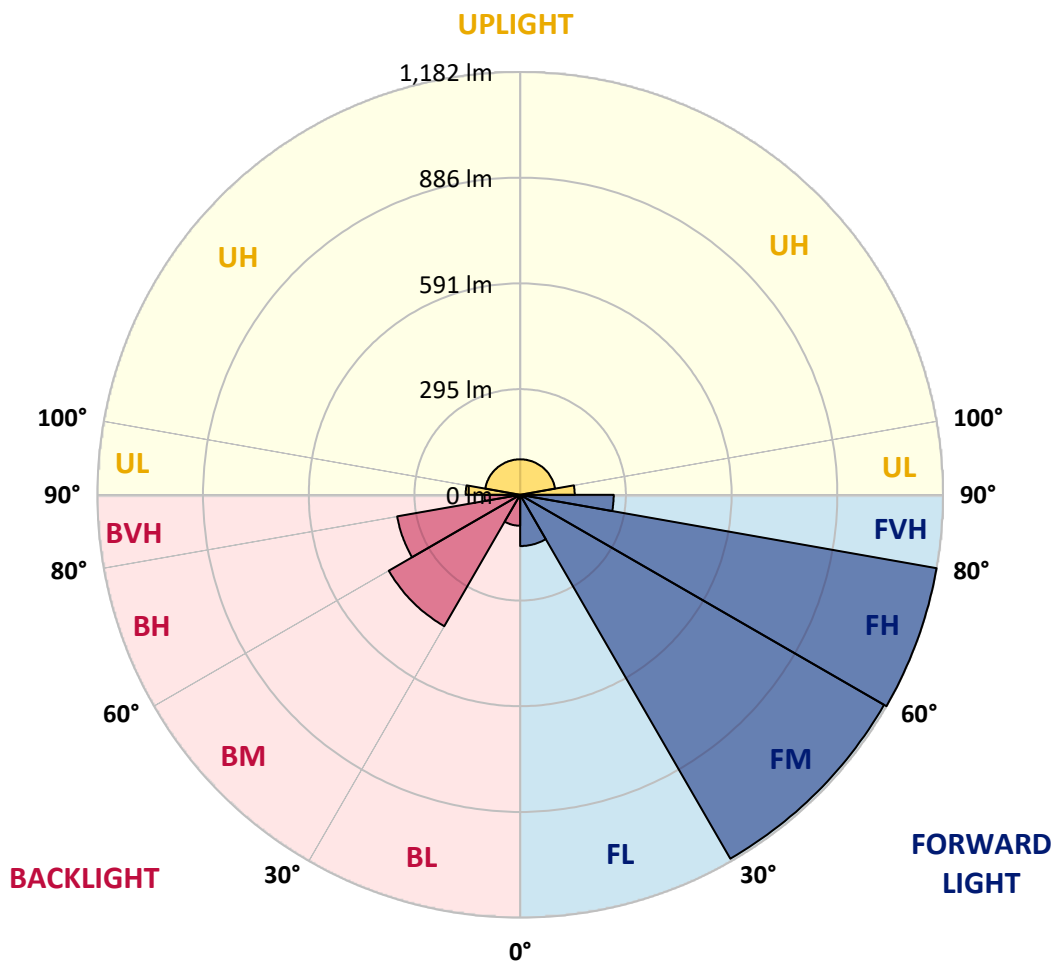
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.2	3.6			
FM	(30°-60°)	1174.5	29.4			
FH	(60°-80°)	1182.0	29.6			G1/1800
FVH	(80°-90°)	261.5	6.6			G3/500
BL	(0°-30°)	86.5	2.2	B0/110		
BM	(30°-60°)	424.3	10.6	B1/1000		
BH	(60°-80°)	349.0	8.7	B1/500		G1/500
BVH	(80°-90°)	99.9	2.5			G1/100
UL	(90°-100°)	152.4	3.8		U3/500	
UH	(100°-180°)	99.2	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P254843

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8
2.5°	147.0	147.9	147.0	146.5	145.6	145.0	143.1	140.6	139.2	138.8	136.8
5°	162.0	163.5	162.5	161.0	159.5	157.7	154.7	150.9	147.9	147.4	143.5
7.5°	180.4	182.4	181.0	178.9	176.6	173.6	169.3	164.4	160.1	159.1	154.3
10°	206.6	206.2	204.2	201.2	197.9	194.9	189.7	182.4	177.0	176.0	169.3
12.5°	236.2	236.2	233.3	228.9	224.1	219.7	214.3	206.2	200.3	198.9	190.6
15°	269.7	271.1	266.7	261.9	255.1	248.8	243.9	235.2	228.5	226.9	216.8
17.5°	308.9	309.4	304.7	298.3	290.5	284.7	277.4	268.2	260.5	259.0	246.4
20°	354.0	353.6	347.8	339.0	330.3	324.9	315.8	305.6	296.8	295.9	280.8
22.5°	405.5	401.5	397.2	386.0	378.8	368.6	358.9	347.2	339.0	337.6	321.6
25°	463.2	457.8	453.4	438.9	428.3	416.2	405.9	395.7	389.0	386.0	367.1
27.5°	528.2	524.8	516.0	498.1	481.7	466.5	458.8	449.2	441.9	440.5	420.9
30°	600.9	592.6	583.5	561.6	539.3	519.0	511.3	507.3	501.9	500.1	478.2
32.5°	673.1	672.7	659.2	631.5	602.3	579.6	572.3	570.4	565.5	566.0	539.8
35°	758.6	758.0	741.1	707.1	670.8	642.7	637.7	640.1	638.7	638.3	608.7
37.5°	849.3	847.3	828.4	787.1	742.1	710.0	706.7	714.9	721.2	716.8	682.5
40°	942.8	944.3	918.6	870.1	817.3	780.8	778.9	797.8	804.5	800.3	759.5
42.5°	1033.5	1032.6	1008.4	958.3	893.4	854.6	856.0	880.7	889.1	887.0	842.0
45°	1121.3	1120.4	1098.5	1040.3	971.5	929.2	936.6	966.6	982.6	982.6	928.8
47.5°	1198.5	1197.5	1178.6	1119.4	1046.6	1004.0	1015.6	1056.3	1083.0	1079.6	1016.1
50°	1261.5	1260.1	1246.9	1192.6	1117.9	1077.2	1097.1	1150.0	1182.4	1175.2	1105.2
52.5°	1301.8	1303.7	1297.4	1251.8	1181.9	1145.0	1175.6	1242.1	1278.0	1275.0	1196.1
55°	1321.2	1322.1	1329.9	1294.5	1233.3	1205.2	1250.4	1330.9	1375.0	1371.1	1283.4
57.5°	1311.8	1314.8	1335.7	1317.2	1268.7	1254.8	1317.2	1412.8	1465.7	1466.1	1360.4
60°	1273.1	1280.8	1312.9	1317.2	1286.2	1286.7	1372.6	1485.6	1546.2	1542.7	1424.4
62.5°	1208.2	1217.8	1264.3	1288.1	1277.5	1301.3	1408.9	1542.3	1604.4	1606.7	1470.5
65°	1118.4	1127.7	1184.0	1231.5	1244.0	1293.0	1425.0	1578.1	1644.2	1643.7	1486.6
66°	1075.7	1085.0	1145.0	1201.3	1223.7	1281.4	1423.9	1583.5	1649.5	1649.0	1484.1
67.5°	1005.4	1015.6	1078.2	1146.5	1183.4	1255.7	1412.8	1580.7	1646.5	1645.7	1468.1
70°	875.3	887.0	956.9	1032.6	1094.1	1189.2	1368.2	1547.6	1610.7	1605.9	1408.9
72.5°	739.5	751.7	821.6	902.2	988.9	1101.5	1288.1	1471.5	1528.2	1522.0	1310.0
75°	606.7	618.4	687.2	769.1	863.2	985.9	1175.6	1351.2	1396.4	1395.8	1176.6
77.5°	485.4	495.7	557.2	638.7	733.7	858.0	1037.4	1205.6	1242.6	1232.9	1018.0
80°	380.8	390.4	443.3	516.6	609.1	725.1	886.1	1029.7	1049.6	1043.8	850.7
82.5°	295.3	304.1	350.1	413.6	497.1	599.0	727.0	852.1	861.4	855.1	688.7
85°	228.5	236.2	275.5	330.3	401.1	485.4	587.9	676.6	685.3	680.9	544.2
87.5°	177.0	182.4	215.3	261.4	321.1	389.5	466.1	534.5	531.1	526.7	420.9
90°	136.8	142.1	169.3	207.6	256.5	310.0	366.1	412.2	405.9	401.1	323.0
92.5°	106.2	110.2	133.9	165.8	205.6	246.4	286.2	315.8	307.4	304.1	246.4
95°	83.9	86.9	105.8	135.3	165.8	196.8	224.1	245.0	232.8	229.9	187.7
97.5°	67.4	69.4	85.3	109.2	134.8	158.7	177.0	185.7	176.6	174.2	143.1
100°	55.2	56.3	69.8	88.7	109.6	129.0	140.6	144.5	134.8	132.9	109.2
102.5°	45.6	46.6	57.7	74.8	91.2	104.8	112.0	114.5	102.3	100.8	84.3
105°	38.4	38.8	48.0	63.1	76.6	86.4	91.2	88.7	79.1	77.6	66.0
107.5°	33.0	33.5	40.2	53.9	65.0	72.2	75.2	71.8	61.6	60.1	51.9



REPORT NUMBER: P254843

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	28.6	28.6	34.4	45.6	55.2	61.6	62.6	57.3	48.5	47.5	41.7
112.5°	25.2	25.2	30.0	39.4	47.5	52.3	52.3	46.6	38.4	37.8	34.0
115°	22.8	22.8	26.2	34.0	41.2	45.2	44.1	37.8	31.0	30.6	28.1
117.5°	20.3	20.3	22.8	29.1	35.4	38.8	37.3	31.0	25.2	24.7	23.8
120°	18.5	18.5	20.3	24.7	30.6	33.0	31.5	25.6	20.9	20.3	19.8
122.5°	16.9	16.9	17.9	21.9	26.2	28.1	26.7	21.3	17.5	17.5	16.9
125°	15.6	15.6	16.5	18.9	22.3	24.2	22.3	17.5	14.5	14.5	15.1
127.5°	14.5	14.5	15.1	16.5	19.4	20.3	18.5	14.5	12.6	12.6	13.1
130°	13.1	13.1	13.5	14.5	16.0	16.9	15.1	12.1	11.2	10.7	11.2
132.5°	12.1	12.1	12.1	12.6	13.1	13.5	12.1	9.8	9.2	9.2	9.8
135°	10.7	11.2	10.7	10.7	10.7	10.7	9.2	7.7	7.7	7.7	8.2
137.5°	9.8	9.8	9.2	8.7	8.7	8.2	7.3	6.3	6.3	6.3	6.8
140°	8.2	8.2	8.2	7.3	6.3	5.8	4.8	4.8	5.4	5.4	5.8
142.5°	6.8	6.8	6.3	5.8	4.4	4.0	3.4	3.4	4.0	4.0	4.4
145°	5.4	5.4	4.8	4.0	2.9	1.9	1.9	1.9	2.4	2.4	2.9
147.5°	4.0	4.0	3.4	2.4	1.4	1.0	1.0	1.4	1.9	1.9	2.4
150°	2.4	2.4	1.9	1.4	0.4	0.0	0.4	1.0	1.4	1.4	1.9
152.5°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.4	1.0	1.0	1.4
155°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8
2.5°	135.8	134.8	132.9	131.4	129.5	128.5	128.1	127.1	126.6	126.0	126.0
5°	141.6	139.7	136.2	132.9	130.0	127.1	125.6	124.1	122.7	121.8	121.8
7.5°	151.4	148.4	143.1	137.7	132.9	129.0	126.0	124.1	122.3	121.3	120.7
10°	164.9	161.0	153.7	146.5	139.7	133.9	130.0	127.5	125.6	124.1	123.7
12.5°	186.3	180.4	169.8	159.1	148.4	142.1	136.8	135.3	134.4	133.4	134.4
15°	211.0	203.7	190.6	176.6	163.5	153.3	148.9	147.9	147.0	146.5	146.5
17.5°	238.6	230.9	213.4	194.9	178.9	168.8	162.5	160.5	159.1	158.7	158.1
20°	272.0	261.9	239.6	215.8	196.8	185.7	177.0	173.6	172.2	172.2	172.2
22.5°	310.9	297.3	269.7	238.6	216.8	201.2	192.1	186.8	185.7	186.3	185.7
25°	354.5	338.0	302.6	264.3	235.7	216.4	204.7	199.8	198.5	199.3	199.3
27.5°	404.0	385.1	338.0	291.5	253.7	229.5	216.4	212.0	210.6	212.0	212.0
30°	455.9	434.6	374.9	317.2	269.3	240.1	225.5	222.2	220.7	222.2	222.6
32.5°	518.0	485.9	413.6	341.9	283.7	248.8	233.3	230.4	228.9	230.9	230.9
35°	582.1	542.7	452.6	364.7	295.3	255.1	238.6	236.2	235.2	237.2	237.2
37.5°	647.1	604.3	492.3	385.1	304.1	259.5	242.4	240.6	240.1	240.1	240.6
40°	718.3	665.0	530.1	401.5	310.4	261.9	245.0	242.4	242.0	241.6	241.6
42.5°	792.0	723.7	564.1	414.2	313.3	262.3	245.0	243.4	243.0	241.0	240.6
45°	867.6	786.2	596.1	423.0	314.2	261.4	244.4	243.0	242.4	239.1	238.6
47.5°	944.8	846.3	622.2	426.7	311.8	259.5	243.0	241.6	240.6	235.2	235.2
50°	1020.9	905.5	644.5	427.3	308.0	256.1	241.0	240.6	238.6	232.2	231.3
52.5°	1095.7	961.3	661.0	423.9	301.7	252.7	239.1	239.1	236.6	229.9	228.9
55°	1165.9	1011.2	670.8	416.2	294.4	248.3	236.6	237.2	234.7	227.5	226.5
57.5°	1227.1	1052.5	672.2	404.5	286.2	243.9	234.3	235.2	233.9	225.5	224.5
60°	1276.0	1078.6	665.4	390.4	276.4	238.6	231.3	233.3	231.8	224.1	223.6
62.5°	1302.7	1088.9	648.5	373.0	266.7	233.9	227.5	230.9	229.9	222.2	221.7
65°	1304.7	1076.2	620.3	353.1	256.5	228.0	224.1	226.9	226.9	220.1	219.7
66°	1297.4	1063.6	606.3	345.4	252.2	225.5	222.2	225.5	226.0	219.7	218.7
67.5°	1274.6	1037.4	582.1	331.7	245.4	221.7	218.7	222.6	223.1	217.8	216.4
70°	1211.0	973.4	537.9	309.4	234.3	213.9	212.4	216.4	217.3	212.9	211.4
72.5°	1113.6	889.5	485.9	285.1	221.7	205.2	204.7	208.5	209.6	205.6	204.2
75°	990.3	779.3	428.8	261.4	208.0	195.5	194.9	197.9	199.3	196.4	194.1
77.5°	849.7	666.4	372.5	237.2	194.5	184.3	184.3	186.8	187.2	184.3	181.9
80°	705.7	554.8	321.6	212.9	180.4	171.6	171.6	172.6	173.1	170.2	167.2
82.5°	570.4	452.6	272.6	189.7	164.4	157.7	157.2	157.2	156.7	154.3	150.9
85°	451.0	363.3	228.0	167.8	148.9	143.5	142.1	140.6	139.7	136.8	133.9
87.5°	352.6	289.1	192.1	147.4	133.4	129.0	127.1	125.1	122.7	119.3	115.4
90°	274.0	228.9	160.1	128.5	117.9	113.9	111.1	108.1	105.2	101.4	99.4
92.5°	212.4	181.0	133.9	110.6	103.4	100.4	97.5	93.6	89.7	85.9	83.9
95°	165.4	144.0	111.1	95.5	90.2	87.7	84.9	80.6	75.6	71.8	70.4
97.5°	129.0	114.5	92.7	82.5	79.1	76.2	73.2	68.9	63.6	59.2	58.2
100°	100.4	91.2	77.6	71.3	68.4	66.4	63.6	59.2	52.9	48.5	48.0
102.5°	79.5	73.2	65.0	61.6	59.6	57.7	54.8	50.5	44.1	39.4	39.4
105°	63.1	59.2	54.8	52.9	51.5	49.9	47.1	42.7	35.8	32.0	32.0
107.5°	51.0	48.0	46.1	45.2	44.6	43.1	40.8	35.8	29.6	26.2	26.2



REPORT NUMBER: P254843

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	41.2	39.8	38.8	38.8	38.4	37.8	35.0	30.0	24.2	21.3	21.9
112.5°	34.0	33.0	33.0	33.5	33.5	32.4	29.6	25.2	19.8	17.9	17.9
115°	28.1	27.7	28.1	28.6	29.1	28.1	25.2	20.9	16.0	15.1	15.1
117.5°	23.8	23.8	24.2	24.7	24.7	23.8	21.3	17.5	13.1	12.6	12.6
120°	20.3	20.3	20.3	20.9	21.3	20.3	17.9	14.1	10.7	10.7	10.7
122.5°	17.5	17.5	17.5	17.9	17.9	17.5	15.1	11.7	9.2	9.2	9.2
125°	15.1	15.1	15.1	15.6	15.6	14.5	12.1	9.8	7.7	7.7	7.7
127.5°	13.1	13.1	13.1	13.1	13.1	12.1	10.2	7.7	6.3	6.8	6.8
130°	11.7	11.7	11.2	11.2	10.7	10.2	8.2	6.3	5.4	5.8	5.8
132.5°	9.8	10.2	9.8	9.2	8.7	7.7	6.3	4.8	4.4	4.8	4.8
135°	8.2	8.7	8.2	7.3	6.8	6.3	4.8	4.0	4.0	4.0	4.0
137.5°	7.3	7.3	6.8	5.8	5.4	4.4	3.4	2.9	2.9	3.4	3.4
140°	5.8	5.8	5.4	4.4	4.0	2.9	1.9	1.9	2.4	2.4	2.4
142.5°	4.4	4.4	4.0	2.9	1.9	1.4	1.0	1.0	1.4	1.9	1.9
145°	2.9	2.9	2.9	1.9	1.4	0.4	0.0	0.4	1.0	1.0	1.0
147.5°	2.4	2.4	1.9	1.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4
150°	1.9	1.9	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	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)