

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: P254951

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
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-SL3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3835 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - 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

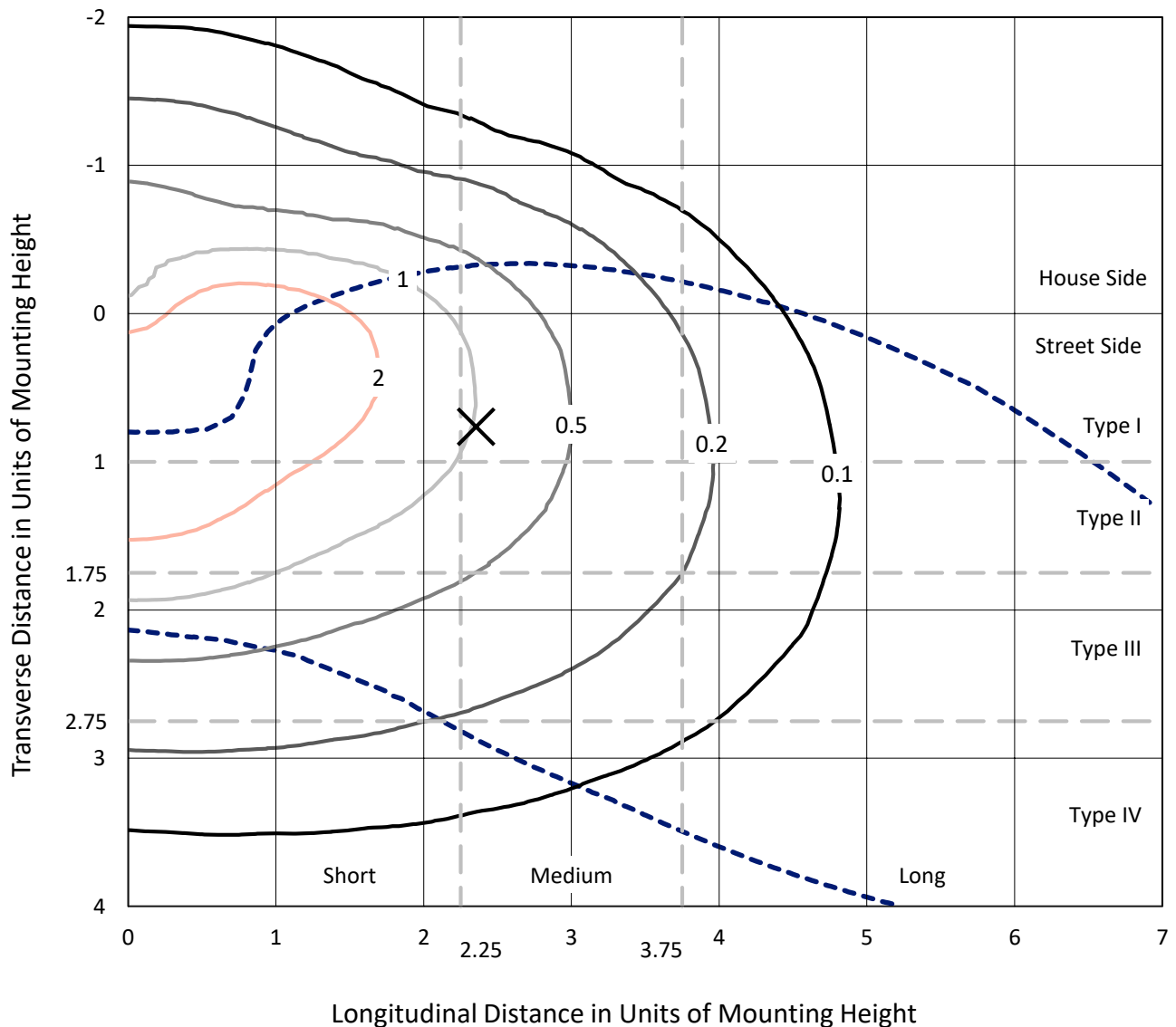


REPORT NUMBER: P254951

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

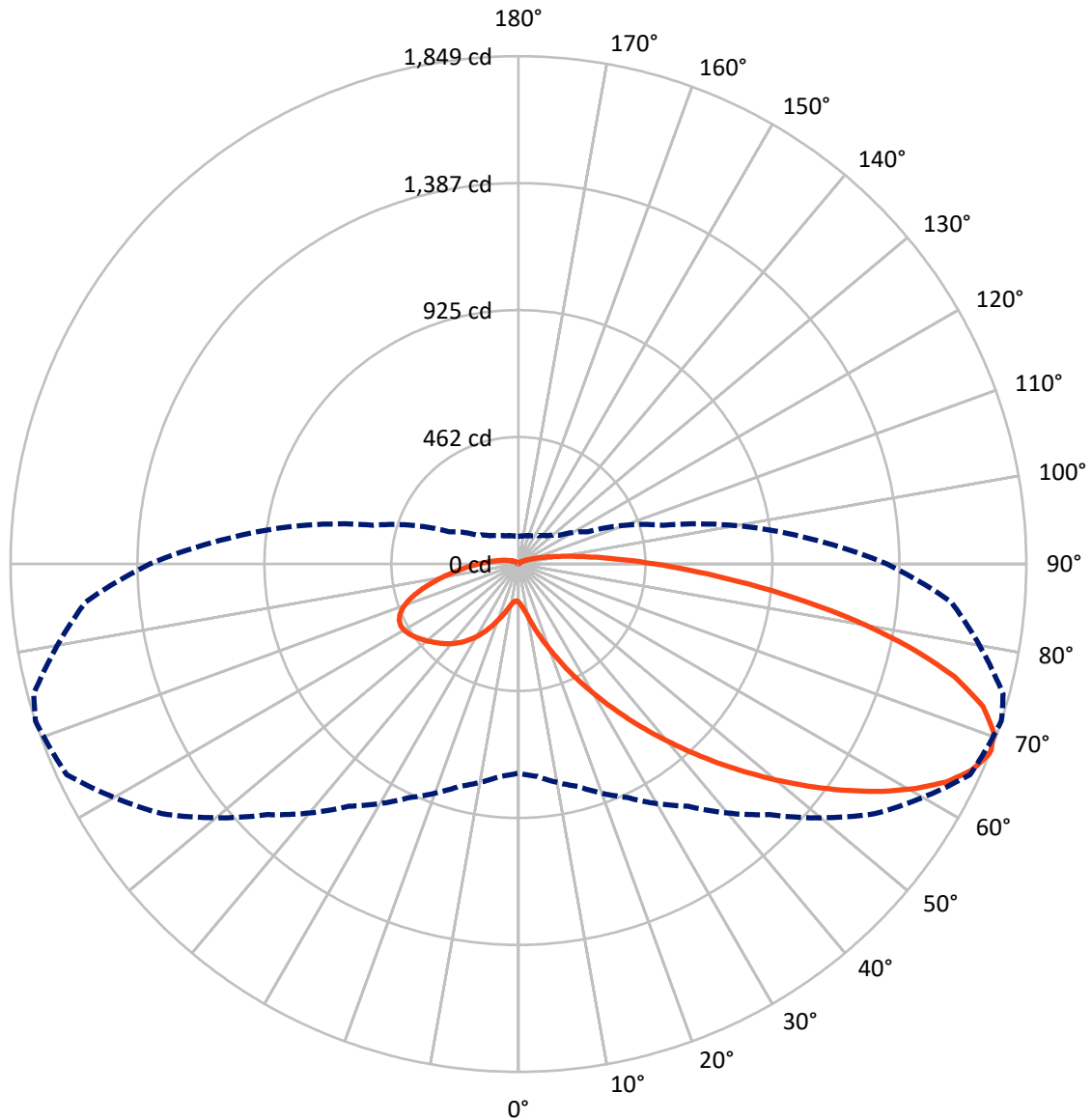


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254951

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P254951

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7030

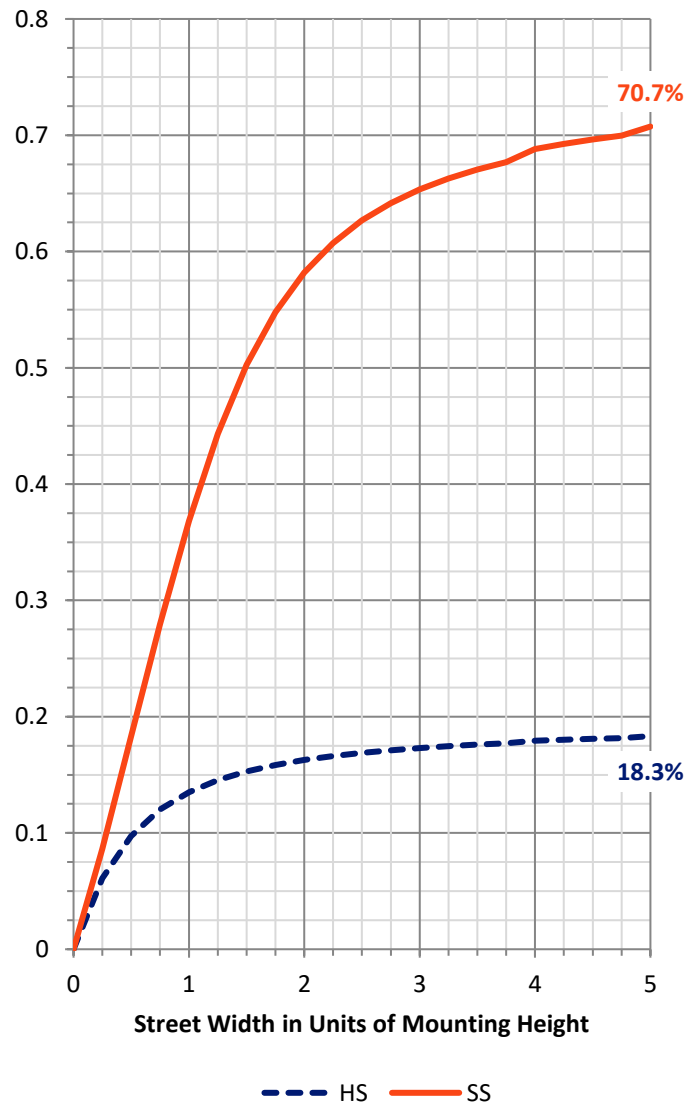
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.0	87.8	824.8
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	2829.2	181.0	3010.2
	% Fixture	73.8	4.7	78.5
Total	Lumens	3566.2	268.8	3835.0
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.4
10°-20°	60.9	1.6
20°-30°	150.6	3.9
30°-40°	294.6	7.7
40°-50°	491.0	12.8
50°-60°	699.3	18.2
60°-70°	810.2	21.1
70°-80°	676.6	17.6
80°-90°	368.3	9.6
90°-100°	154.6	4.0
100°-110°	64.4	1.7
110°-120°	29.0	0.8
120°-130°	13.6	0.4
130°-140°	5.7	0.1
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3566.2	93.0
0°-180°	3835.0	100.0

Coefficient of Utilization



REPORT NUMBER: P254951

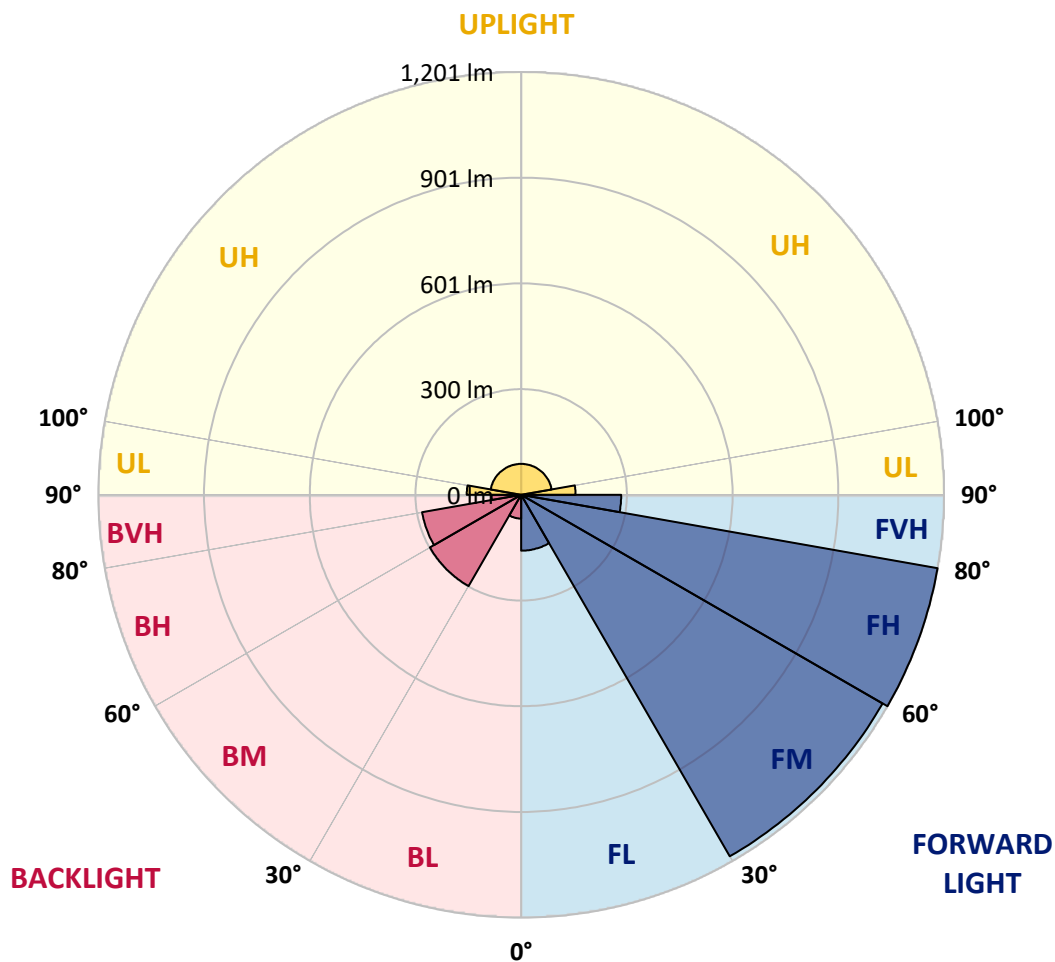
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.7	4.1			
FM	(30°-60°)	1185.6	30.9			
FH	(60°-80°)	1201.0	31.3			G1/1800
FVH	(80°-90°)	284.0	7.4			G3/500
BL	(0°-30°)	67.5	1.8	B0/110		
BM	(30°-60°)	299.3	7.8	B1/1000		
BH	(60°-80°)	285.8	7.5	B1/500		G1/500
BVH	(80°-90°)	84.4	2.2			G1/100
UL	(90°-100°)	154.6	4.0		U3/500	
UH	(100°-180°)	87.8	2.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P254951

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2
2.5°	159.6	159.6	160.1	158.7	157.2	155.7	152.3	149.3	147.0	145.6	142.6
5°	181.4	181.9	181.0	179.5	177.0	173.6	168.8	163.1	158.1	157.2	150.3
7.5°	207.1	207.1	206.2	203.8	200.8	195.9	188.7	181.0	174.2	172.6	162.5
10°	236.6	236.6	236.2	232.2	228.0	222.2	213.4	205.2	195.9	193.1	179.5
12.5°	271.6	271.2	269.7	264.9	259.5	252.2	242.5	232.2	223.7	220.1	203.8
15°	309.4	309.4	307.6	301.2	294.9	286.2	277.4	268.7	257.6	253.7	232.8
17.5°	351.2	350.7	346.8	341.0	332.2	325.5	317.2	307.0	294.9	290.1	265.8
20°	398.2	396.7	391.4	383.7	375.9	367.2	358.9	344.8	334.7	331.8	303.6
22.5°	451.6	449.2	442.4	431.7	422.5	411.8	403.0	390.9	381.8	376.4	348.7
25°	511.3	510.2	502.0	484.6	471.5	459.3	450.5	444.8	436.5	428.8	396.7
27.5°	576.3	573.8	560.2	542.8	522.4	508.8	500.5	496.1	491.3	487.0	449.6
30°	646.0	644.6	626.7	604.9	577.7	560.2	554.4	554.9	554.0	549.6	508.3
32.5°	721.7	720.8	698.5	670.9	636.9	613.6	612.1	619.4	620.8	618.0	571.4
35°	802.7	801.8	776.1	741.7	698.9	671.7	673.7	687.8	694.2	691.6	638.8
37.5°	885.2	884.2	857.5	815.4	762.9	731.9	737.7	761.0	773.1	771.3	710.6
40°	975.9	967.2	939.5	889.1	829.4	795.0	808.1	839.1	857.0	850.2	785.8
42.5°	1054.5	1048.2	1018.1	961.8	896.8	865.4	881.2	922.0	946.3	944.3	866.3
45°	1123.8	1120.9	1091.4	1031.2	964.2	932.7	958.4	1010.8	1040.9	1035.6	951.2
47.5°	1186.4	1181.5	1154.5	1093.8	1026.4	1003.5	1038.5	1102.0	1139.3	1136.0	1038.9
50°	1228.6	1226.7	1203.0	1145.1	1084.1	1064.6	1122.4	1201.0	1243.2	1239.3	1130.2
52.5°	1248.0	1247.5	1231.5	1183.1	1133.6	1136.4	1207.8	1302.4	1349.0	1347.3	1224.7
55°	1241.7	1241.1	1235.4	1203.4	1172.4	1196.1	1293.1	1405.6	1456.1	1455.2	1316.3
57.5°	1204.4	1206.3	1214.1	1202.4	1198.0	1250.9	1375.6	1506.5	1561.9	1558.9	1406.1
60°	1133.0	1137.4	1162.2	1176.7	1205.3	1289.7	1451.7	1606.0	1660.3	1655.4	1487.6
62.5°	1035.1	1045.3	1082.1	1126.3	1190.8	1315.9	1519.6	1694.3	1748.0	1737.9	1544.4
65°	918.3	929.8	979.7	1052.5	1154.5	1319.8	1568.1	1766.5	1813.0	1799.9	1583.6
67.5°	788.2	802.7	863.3	959.0	1092.8	1299.0	1585.6	1811.1	1848.0	1827.2	1587.5
68°	761.5	776.1	838.7	938.1	1076.8	1290.7	1585.2	1815.1	1849.4	1827.2	1581.7
70°	657.7	673.2	741.7	851.6	1013.3	1249.5	1566.2	1810.7	1836.3	1809.3	1543.0
72.5°	539.4	554.9	623.8	740.7	915.7	1164.6	1499.7	1756.4	1768.5	1736.4	1449.4
75°	433.1	449.2	515.6	633.4	810.0	1063.6	1389.7	1642.8	1640.4	1603.1	1308.2
77.5°	343.0	357.5	420.5	532.1	701.3	940.5	1248.0	1473.6	1457.5	1418.3	1128.6
80°	269.7	282.8	340.1	442.4	596.5	811.5	1078.7	1267.4	1240.7	1200.4	935.6
82.5°	210.6	222.7	273.0	363.9	500.1	685.8	896.8	1049.7	1012.8	975.9	750.4
85°	164.4	174.2	218.7	296.8	413.2	567.0	737.7	838.1	799.3	767.3	585.0
87.5°	128.5	136.8	174.6	241.0	341.0	460.7	588.4	652.9	616.4	590.3	448.6
90°	100.8	106.7	140.6	195.5	275.0	371.6	462.2	501.1	468.5	448.2	342.4
92.5°	80.0	84.3	112.0	158.7	221.7	294.9	358.0	379.7	352.6	337.6	259.9
95°	64.0	67.4	90.6	129.5	180.4	233.3	275.6	286.7	265.3	253.7	197.4
97.5°	52.3	54.8	74.8	105.2	144.5	185.3	213.4	217.8	200.3	191.6	150.9
100°	43.7	45.2	61.6	87.3	117.4	147.5	166.4	166.8	152.3	145.0	114.9
102.5°	36.8	37.8	51.5	72.7	97.0	118.3	131.0	128.5	115.5	109.6	88.3
105°	31.5	32.4	43.1	61.0	81.0	96.0	103.4	99.4	88.3	83.9	68.4
107.5°	27.7	28.1	36.4	51.5	68.0	79.1	83.5	78.1	68.4	64.5	53.9



REPORT NUMBER: P254951

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	24.2	24.7	31.0	44.1	57.3	66.4	68.0	61.6	53.3	50.5	43.1
112.5°	21.3	21.9	27.2	37.3	48.9	55.8	56.3	49.5	42.2	39.8	35.0
115°	19.4	19.8	23.8	32.0	41.7	47.1	46.6	39.8	33.5	31.5	28.6
117.5°	17.9	18.5	21.3	27.7	35.9	39.8	38.8	32.4	27.2	25.6	24.2
120°	16.5	16.9	18.9	23.8	30.6	34.0	32.0	26.2	22.3	21.3	20.3
122.5°	15.6	15.6	16.9	20.9	26.2	28.6	26.7	21.9	18.5	17.5	17.5
125°	14.1	14.5	15.6	17.9	22.3	24.2	22.3	17.9	15.1	15.1	15.1
127.5°	13.5	13.5	14.1	16.0	18.9	20.3	18.5	14.5	12.6	12.6	13.1
130°	12.6	12.6	12.6	14.1	16.0	16.5	14.5	11.7	10.7	10.7	11.2
132.5°	11.7	11.7	11.7	12.1	13.1	13.1	11.7	9.8	9.2	9.2	9.8
135°	10.7	10.7	10.2	10.2	10.7	10.2	9.2	7.7	7.3	7.7	8.2
137.5°	9.2	9.2	9.2	8.7	8.2	7.7	6.3	5.8	5.8	6.3	6.8
140°	7.7	7.7	7.7	6.8	6.3	5.4	4.4	4.0	4.4	4.8	5.4
142.5°	6.3	6.3	6.3	5.4	4.4	3.4	2.4	2.4	2.9	3.4	4.0
145°	4.8	4.8	4.8	4.0	2.9	1.9	1.4	1.9	2.4	2.4	2.9
147.5°	3.4	3.4	3.4	2.4	1.4	0.4	0.4	1.4	1.9	1.9	2.4
150°	1.9	1.9	1.9	1.0	0.4	0.0	0.0	1.0	1.4	1.4	1.9
152.5°	0.4	0.4	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	0.0	0.4	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2
2.5°	140.6	139.2	135.8	132.4	129.5	127.1	125.1	124.1	123.3	122.7	121.8
5°	147.0	143.5	136.8	130.4	124.7	119.8	114.9	112.0	110.2	108.6	108.1
7.5°	157.7	152.3	142.1	132.4	123.3	114.5	108.6	104.8	101.4	99.4	99.0
10°	173.1	166.4	151.4	137.2	124.7	113.5	105.2	99.4	95.6	93.6	93.6
12.5°	195.5	185.3	165.4	146.0	128.5	114.5	104.3	99.0	96.0	94.6	94.6
15°	223.1	209.6	183.9	158.7	136.2	118.9	108.6	102.8	100.0	98.5	98.5
17.5°	253.7	236.2	204.2	172.2	144.0	126.6	113.5	106.7	103.4	101.8	101.8
20°	288.6	268.7	226.0	185.7	154.3	133.9	118.9	110.2	106.7	105.8	105.2
22.5°	328.4	302.6	249.7	199.8	164.4	139.8	123.3	113.0	110.2	109.2	109.2
25°	372.5	341.4	275.6	214.9	172.6	144.0	126.6	116.4	113.0	112.5	112.0
27.5°	419.1	382.7	301.2	229.5	178.9	146.5	128.5	119.3	115.5	115.5	114.9
30°	473.4	425.9	325.9	241.6	182.9	147.5	129.0	120.7	117.4	117.9	118.3
32.5°	527.7	471.5	350.7	252.2	185.7	147.9	129.0	121.3	117.9	119.3	119.3
35°	585.4	518.6	374.4	260.9	187.3	147.5	129.0	122.3	118.3	119.8	120.3
37.5°	646.0	566.5	397.2	267.8	188.2	147.0	129.0	122.3	118.9	120.3	120.3
40°	708.1	614.6	419.1	272.6	188.2	146.5	128.5	122.3	119.8	119.8	120.3
42.5°	775.0	664.6	439.0	276.4	188.2	145.6	128.5	122.3	118.9	119.3	119.8
45°	845.8	715.8	457.9	279.3	187.7	145.6	128.1	121.8	118.3	117.9	118.3
47.5°	915.3	769.3	476.3	282.3	187.3	146.0	128.1	121.3	117.4	115.5	116.0
50°	991.8	824.6	495.3	284.2	187.7	146.0	128.5	120.7	116.0	113.5	113.9
52.5°	1067.6	879.9	513.6	286.7	187.7	146.5	128.5	119.8	114.5	111.1	111.6
55°	1147.5	934.7	531.6	289.1	188.2	147.0	129.0	118.9	113.0	109.2	109.6
57.5°	1217.4	987.0	547.6	290.5	188.2	147.9	129.0	118.3	111.6	107.2	107.2
60°	1281.5	1035.6	560.7	291.0	188.2	147.9	129.0	117.4	110.6	105.2	105.2
62.5°	1330.0	1068.0	567.0	290.1	187.3	147.9	128.5	116.4	109.6	103.8	103.8
65°	1354.7	1082.1	564.1	286.7	186.3	147.5	128.1	114.9	108.1	102.8	102.3
67.5°	1348.4	1071.4	550.0	279.8	183.9	146.0	126.6	113.0	107.2	101.8	100.8
68°	1342.1	1063.2	545.6	277.9	182.4	145.6	126.0	113.0	106.7	101.8	100.8
70°	1299.4	1027.8	523.0	269.7	180.0	143.5	124.7	111.1	105.2	100.8	100.0
72.5°	1209.2	951.2	484.6	255.6	174.2	140.2	121.3	108.6	103.4	99.4	98.0
75°	1079.7	848.8	436.5	239.2	166.8	135.8	116.9	105.2	100.4	97.0	95.6
77.5°	932.2	728.5	383.7	219.3	158.1	130.4	112.0	101.4	97.0	94.1	91.7
80°	771.3	604.9	330.3	198.5	148.4	123.7	106.7	96.4	92.7	89.3	87.3
82.5°	618.4	489.9	279.8	178.5	136.8	114.9	100.4	90.6	86.9	83.9	81.5
85°	484.6	390.5	234.3	158.1	126.0	107.2	93.6	84.3	81.0	77.6	75.2
87.5°	375.5	307.0	196.4	139.2	113.9	98.5	86.9	78.1	74.2	70.4	68.4
90°	290.1	241.6	162.5	121.3	103.4	90.2	79.5	71.3	66.9	63.6	61.6
92.5°	223.7	190.6	134.8	106.2	92.1	81.5	72.2	65.0	60.1	55.8	54.3
95°	173.1	150.9	112.0	92.1	82.0	73.2	65.4	58.2	52.9	48.5	47.1
97.5°	134.8	119.3	93.1	79.5	72.2	65.0	58.2	51.9	46.6	41.2	40.2
100°	104.3	94.6	78.1	68.9	63.6	57.3	51.5	46.1	39.8	35.0	34.4
102.5°	82.0	75.7	65.4	59.6	55.2	50.5	45.6	40.2	34.0	29.1	28.6
105°	65.0	61.0	54.8	51.0	48.0	44.1	40.2	35.0	28.1	24.2	24.2
107.5°	51.9	49.5	46.1	43.7	41.7	38.4	35.0	29.6	23.3	19.8	20.3



REPORT NUMBER: P254951

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	42.2	40.8	38.8	37.8	36.4	33.5	30.0	25.2	19.4	16.5	16.9
112.5°	34.4	34.0	33.0	32.4	31.5	29.1	25.6	20.9	15.6	14.1	14.1
115°	28.6	28.1	28.1	27.7	27.2	25.2	21.9	17.5	12.6	11.7	11.7
117.5°	24.2	24.2	23.8	23.8	23.3	21.3	18.5	14.5	10.2	9.8	9.8
120°	20.3	20.3	20.3	20.3	19.8	17.9	15.6	11.7	8.2	8.2	8.2
122.5°	17.5	17.9	17.5	17.5	16.9	15.6	12.6	9.2	6.8	6.8	7.3
125°	15.1	15.1	15.1	14.5	14.1	12.6	10.2	7.3	5.8	5.8	5.8
127.5°	13.1	13.1	13.1	12.6	11.7	10.7	8.2	5.8	4.8	4.8	4.8
130°	11.7	11.2	11.2	10.7	9.8	8.2	6.3	4.4	4.0	4.0	4.0
132.5°	9.8	9.8	9.2	8.7	7.7	6.3	4.8	2.9	2.9	3.4	3.4
135°	8.2	8.2	7.7	6.8	5.8	4.8	3.4	2.4	2.4	2.4	2.4
137.5°	6.8	6.8	6.3	5.4	4.4	2.9	1.9	1.4	1.4	1.9	1.9
140°	5.4	5.4	4.8	4.0	2.9	1.9	1.0	0.4	1.0	1.0	1.0
142.5°	4.0	4.0	3.4	2.4	1.4	1.0	0.0	0.4	0.4	0.4	0.4
145°	2.9	2.9	2.4	1.9	1.0	0.4	0.0	0.0	0.4	0.0	0.0
147.5°	2.4	2.4	1.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.0	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	0.0	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)