

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: P254798

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
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-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4485.6 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - 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

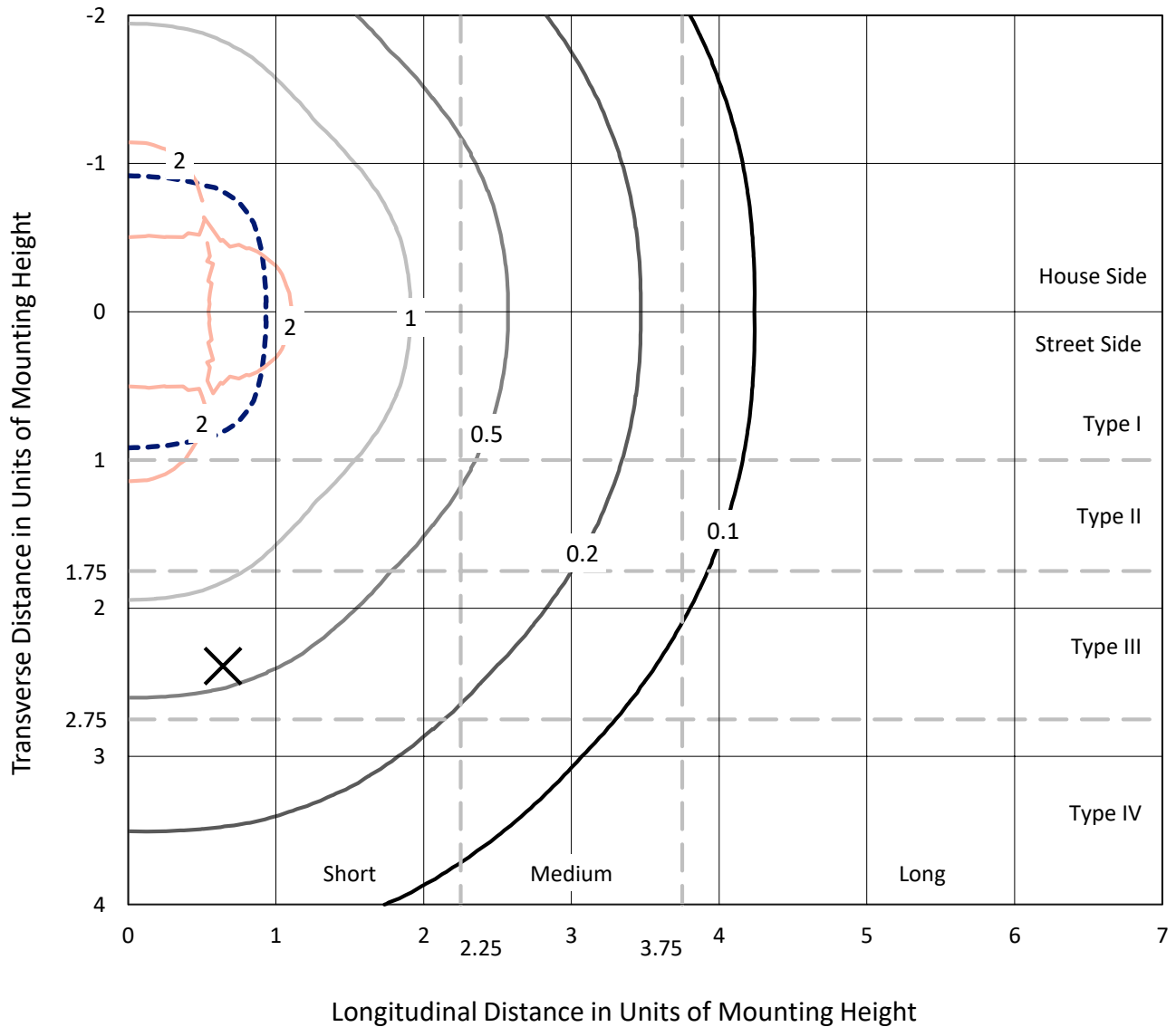


REPORT NUMBER: P254798

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

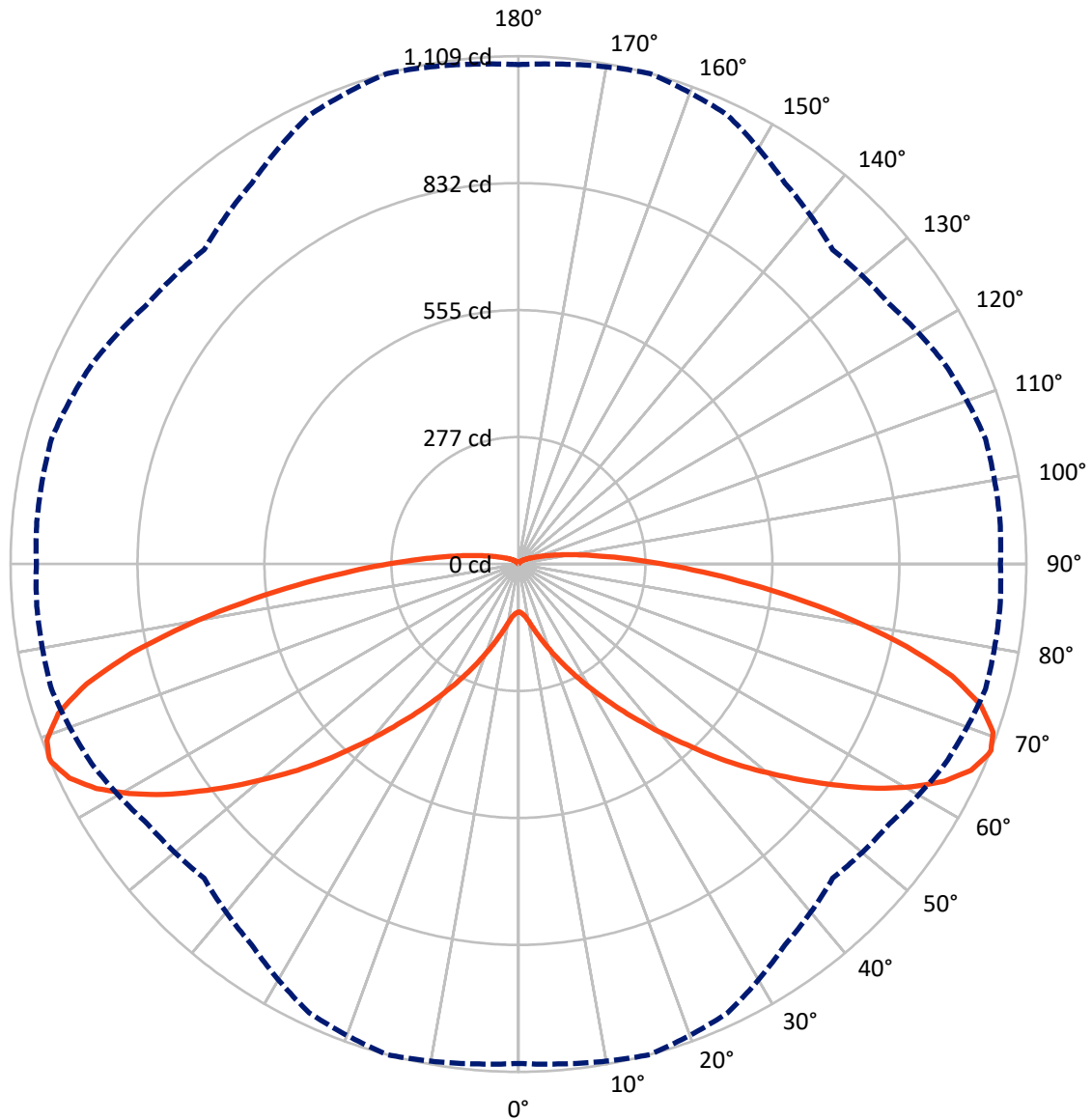


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P254798

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P254798

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL

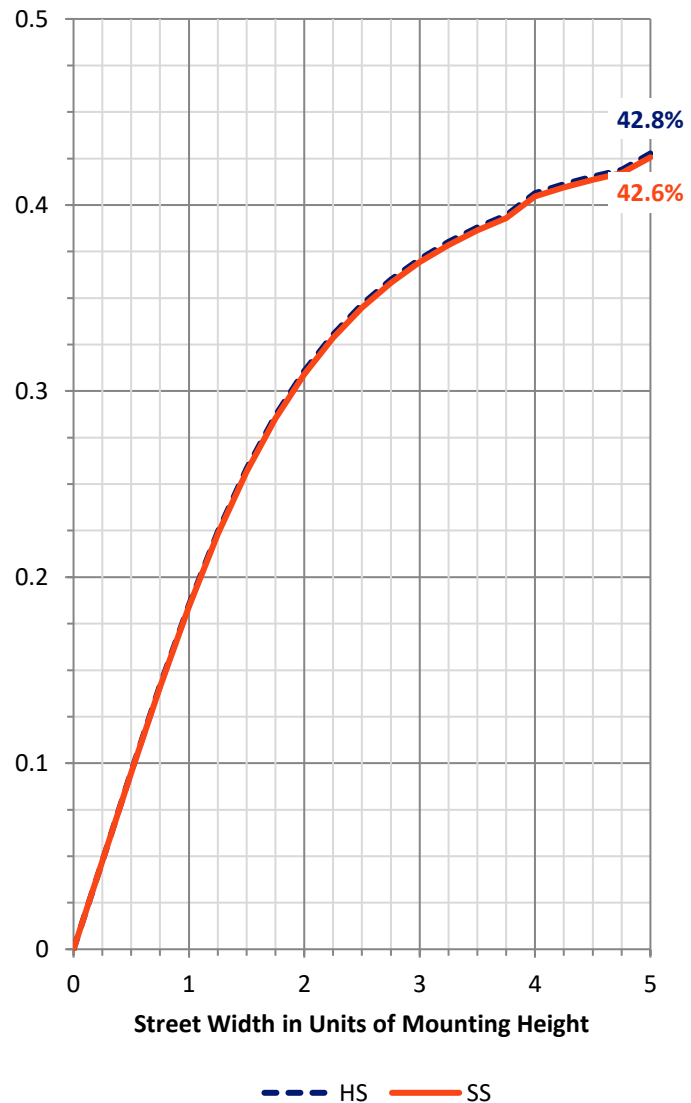
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2055.3	187.5	2242.8
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2055.3	187.5	2242.8
	% Fixture	45.8	4.2	50.0
Total	Lumens	4110.5	375.1	4485.6
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.2
10°-20°	46.0	1.0
20°-30°	117.2	2.6
30°-40°	243.5	5.4
40°-50°	444.5	9.9
50°-60°	726.2	16.2
60°-70°	1001.7	22.3
70°-80°	967.9	21.6
80°-90°	552.4	12.3
90°-100°	222.3	5.0
100°-110°	87.3	1.9
110°-120°	37.8	0.8
120°-130°	17.3	0.4
130°-140°	7.5	0.2
140°-150°	2.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4110.5	91.6
0°-180°	4485.6	100.0



REPORT NUMBER: P254798

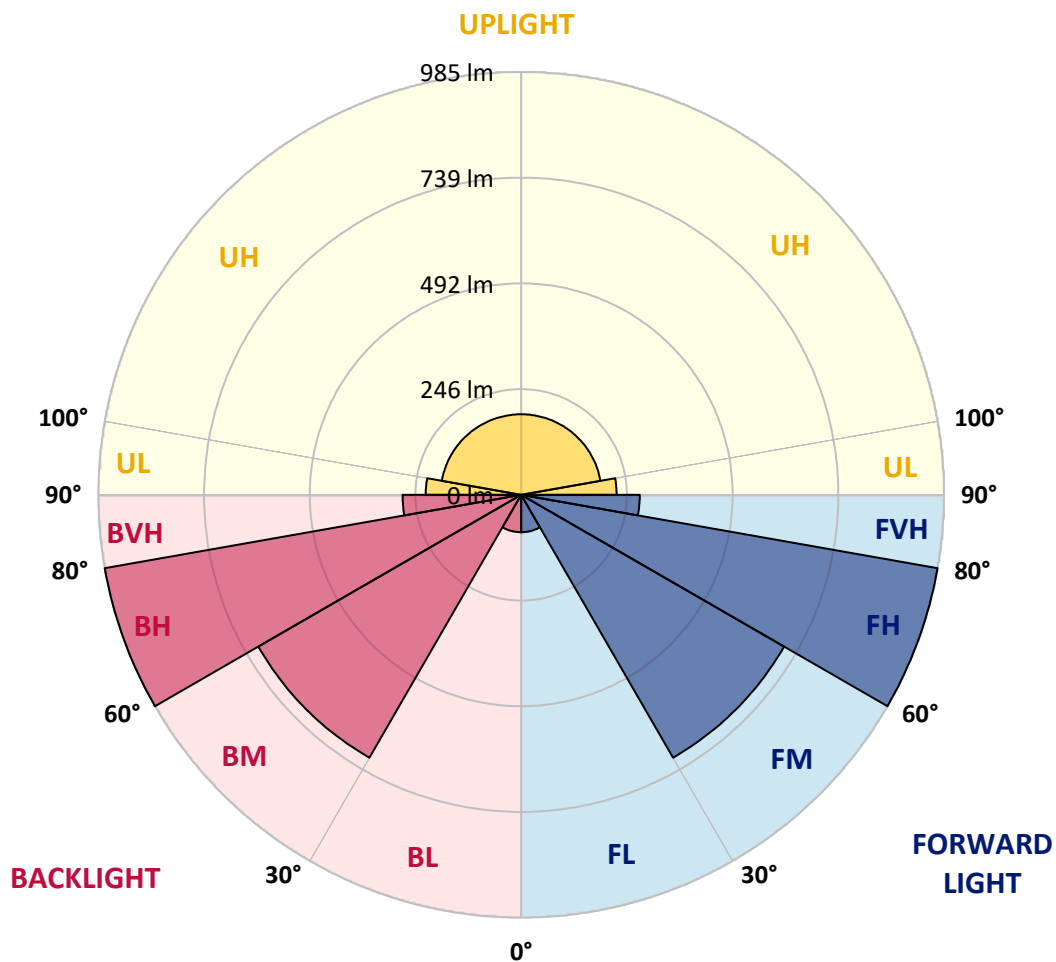
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.1	1.9			
FM	(30°-60°)	707.1	15.8			
FH	(60°-80°)	984.8	22.0			G1/1800
FVH	(80°-90°)	276.2	6.2			G3/500
BL	(0°-30°)	87.1	1.9	B0/110		
BM	(30°-60°)	707.1	15.8	B1/1000		
BH	(60°-80°)	984.8	22.0	B2/1000		G1/1800
BVH	(80°-90°)	276.2	6.2			G3/500
UL	(90°-100°)	222.3	5.0		U3/500	
UH	(100°-180°)	187.5	4.2		U3/500	

BUG Rating: B2-U3-G3

Type V Short





REPORT NUMBER: P254798

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	105.7	105.7	105.7
5°	109.8	110.3	110.3	110.3	110.3	110.3	110.3	109.8	109.8	109.8	109.8
7.5°	116.9	116.9	116.9	116.9	116.9	116.4	116.4	116.4	115.9	115.9	115.4
10°	128.3	128.3	128.3	127.8	127.3	126.7	126.7	126.2	125.7	125.7	125.2
12.5°	143.1	143.1	143.1	140.6	140.0	139.0	139.0	139.0	139.5	139.5	140.0
15°	161.1	161.1	161.1	158.0	156.0	153.3	154.4	154.9	156.0	156.0	156.5
17.5°	181.6	181.6	180.6	177.5	174.4	172.9	171.9	173.4	174.4	175.4	175.4
20°	204.2	204.2	202.6	198.6	195.5	194.5	193.4	193.4	196.0	197.0	196.0
22.5°	229.9	228.8	227.8	222.6	219.5	217.0	217.0	216.5	219.5	221.6	221.1
25°	259.1	258.0	254.9	249.3	245.7	242.6	242.1	242.1	247.2	250.3	249.8
27.5°	290.8	289.3	285.2	279.1	273.4	269.3	269.9	271.9	276.5	282.1	282.1
30°	325.7	324.7	318.0	311.9	302.7	297.6	298.6	304.2	310.4	316.5	317.0
32.5°	364.3	362.2	354.5	346.3	335.0	328.4	330.4	337.1	346.3	355.5	356.0
35°	406.8	404.8	395.5	384.2	369.9	361.1	364.3	374.5	386.8	397.6	398.1
37.5°	453.0	449.9	438.6	426.8	407.3	397.1	402.2	415.5	429.8	442.2	443.8
40°	500.2	500.2	487.8	472.0	448.4	436.1	441.7	459.6	478.1	489.4	491.9
42.5°	553.0	553.5	539.7	520.7	493.0	478.6	485.3	506.4	528.9	541.2	543.8
45°	608.5	610.0	599.7	573.1	541.2	523.8	531.4	558.1	583.3	596.1	598.1
47.5°	667.9	669.9	660.2	629.4	593.0	574.1	582.3	612.5	641.8	654.1	656.1
50°	731.0	732.5	720.8	690.5	649.5	626.4	636.6	670.4	700.7	713.1	716.2
52.5°	796.2	797.7	786.4	756.2	708.5	682.8	695.1	730.5	764.3	775.2	775.7
55°	861.8	863.9	854.2	821.3	770.0	740.8	754.6	792.1	828.5	838.7	841.8
57.5°	926.5	928.5	924.4	887.5	832.6	799.2	815.2	856.2	892.1	900.3	900.8
60°	987.0	990.6	987.6	951.1	891.6	855.2	872.1	915.2	951.1	957.8	958.8
62.5°	1040.3	1042.4	1043.9	1011.1	943.9	904.4	923.4	968.0	1002.9	1007.0	1006.5
65°	1076.8	1080.8	1086.1	1054.3	986.5	943.9	963.4	1007.0	1039.3	1042.4	1040.3
67.5°	1090.7	1096.3	1107.5	1079.3	1012.6	968.0	987.0	1027.6	1055.3	1056.8	1053.2
68°	1090.7	1095.8	1109.1	1081.4	1015.2	970.6	989.1	1029.1	1055.8	1055.8	1052.7
70°	1074.7	1081.9	1099.4	1078.3	1015.7	972.6	988.6	1023.0	1045.5	1041.4	1036.8
72.5°	1024.5	1032.7	1056.3	1043.4	992.2	953.7	964.9	990.1	1000.3	992.2	987.6
75°	937.2	945.9	978.2	976.2	939.8	908.0	914.7	926.0	926.0	910.5	902.3
77.5°	827.5	835.6	867.5	880.4	862.9	839.2	839.2	836.7	823.9	798.2	791.0
80°	697.1	704.3	738.2	765.4	762.3	749.0	742.9	726.4	703.8	675.7	665.3
82.5°	566.8	574.6	607.4	635.0	653.1	647.9	637.2	611.5	578.2	546.9	540.7
85°	449.4	451.9	486.3	521.7	542.3	544.3	533.0	500.2	465.9	435.1	427.8
87.5°	350.4	353.9	382.2	418.1	443.2	445.3	434.0	400.7	367.3	339.6	333.5
90°	269.3	275.0	297.6	329.9	353.9	359.1	347.8	318.0	286.7	261.7	256.5
92.5°	207.8	211.3	231.4	259.1	281.1	287.8	277.5	251.3	224.2	202.1	200.1
95°	163.2	164.2	180.0	203.7	222.1	230.9	221.1	199.1	175.4	157.5	155.5
97.5°	126.2	128.3	141.1	161.1	178.0	183.6	176.5	158.0	138.5	121.6	120.0
100°	98.0	99.5	110.8	128.8	142.6	147.7	142.1	126.7	108.7	95.4	95.4
102.5°	77.9	78.5	87.8	102.6	113.9	118.5	114.4	101.6	86.2	75.4	75.9
105°	62.6	62.6	69.8	83.1	93.9	97.0	93.4	82.0	68.7	60.6	60.6
107.5°	50.2	50.7	56.5	67.7	77.4	80.5	77.4	67.2	55.4	49.2	49.2



REPORT NUMBER: P254798

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	41.5	41.5	45.6	55.4	64.1	67.2	64.1	54.9	45.1	40.0	40.0
112.5°	34.4	34.4	37.4	45.6	53.4	56.5	53.4	45.1	36.9	33.3	33.3
115°	29.3	29.3	31.3	38.0	44.6	47.2	44.6	38.0	30.8	28.7	28.7
117.5°	25.2	25.2	26.7	31.8	37.4	40.0	37.4	31.3	26.2	24.7	24.7
120°	22.1	22.1	22.6	26.2	31.3	33.3	31.3	26.2	22.1	21.1	21.1
122.5°	19.0	19.0	19.0	22.1	26.2	27.7	25.7	22.1	19.0	18.5	18.5
125°	16.9	16.4	16.9	18.5	21.6	23.6	21.6	18.5	16.4	16.4	16.4
127.5°	14.8	14.8	14.3	15.3	18.0	19.0	18.0	15.3	14.3	14.3	14.3
130°	12.8	12.8	12.8	13.3	14.3	15.3	14.8	13.3	12.8	12.8	12.8
132.5°	11.3	11.3	10.7	11.3	11.8	12.3	11.8	10.7	10.7	11.3	11.3
135°	9.7	9.7	9.7	9.2	9.2	9.7	9.2	9.2	9.7	9.7	9.7
137.5°	8.7	8.7	8.2	7.7	7.2	7.2	7.2	7.7	8.2	8.2	8.7
140°	7.2	7.2	6.6	6.1	5.6	5.6	5.6	6.1	6.6	7.2	7.2
142.5°	6.1	6.1	5.6	4.6	4.1	3.6	4.1	4.6	5.1	5.6	5.6
145°	4.6	4.6	4.1	3.6	3.1	2.6	2.6	3.6	4.1	4.6	4.6
147.5°	3.6	3.6	3.1	2.6	2.0	1.5	1.5	2.6	3.1	3.6	3.6
150°	2.6	2.6	2.0	1.5	1.0	1.0	1.0	1.5	2.0	2.0	2.6
152.5°	1.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.5	1.5
155°	0.5	1.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	1.0	1.0
157.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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)