

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: P414657

Luminaire Tested: **LXF.LXT-PA1-30-740-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-740-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3991 lumens
Efficiency: N/A
Efficacy: 128.7 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: B3 - U3 - G2

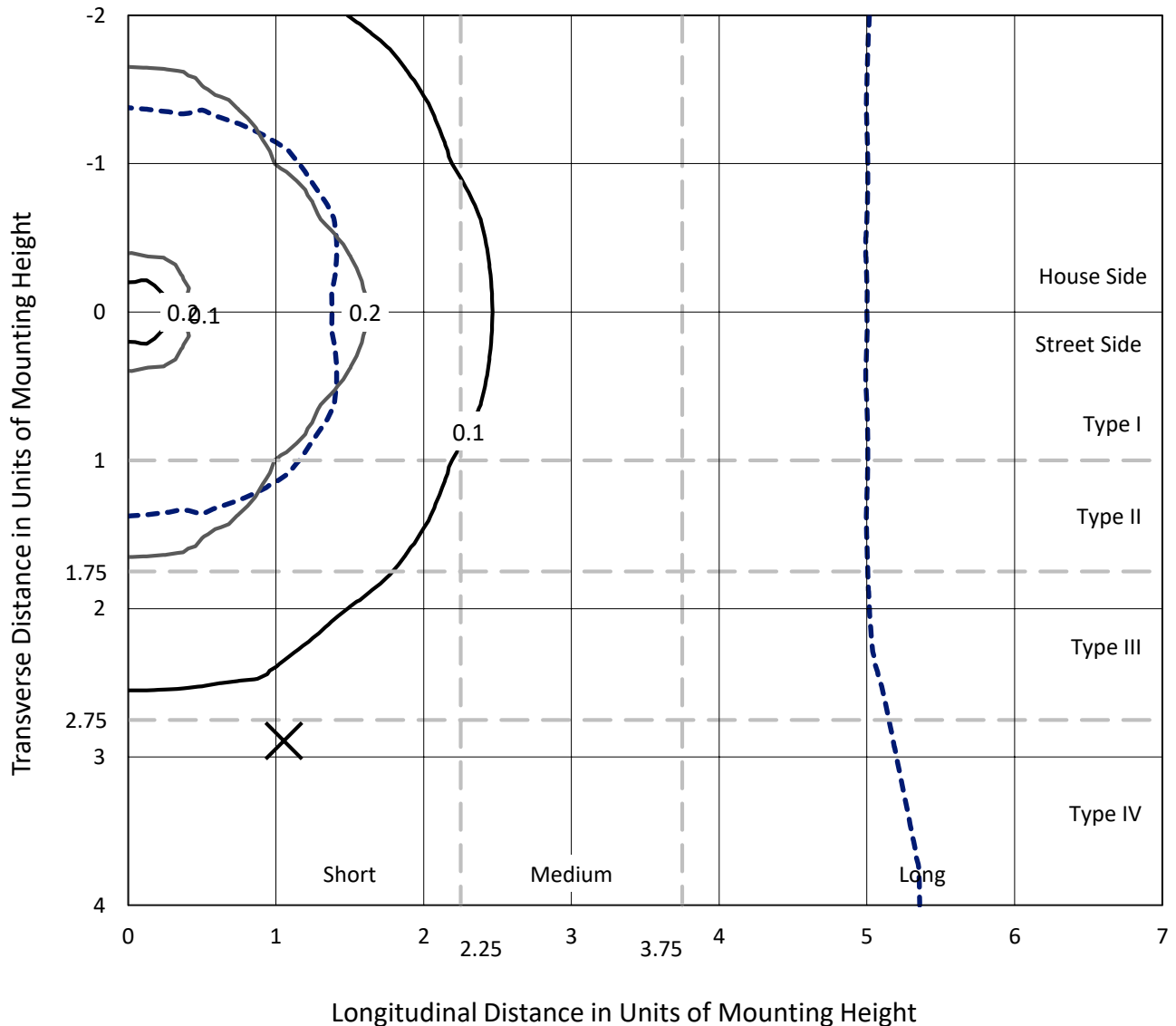
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414657
 CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

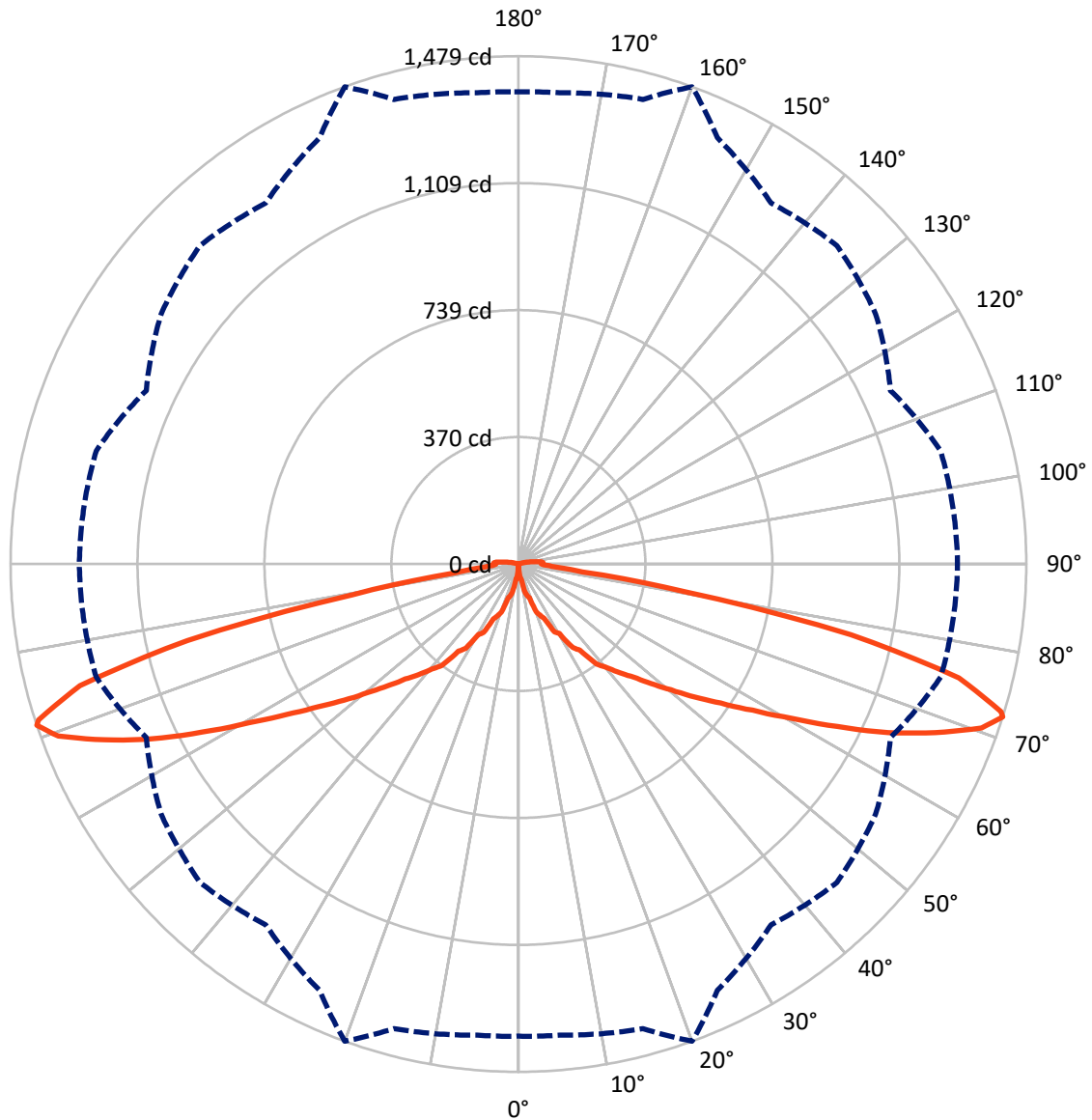
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P414657
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P414657

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1949.1	46.4	1995.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1949.1	46.4	1995.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	3898.2	92.7	3991.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	21.9	0.5
20°-30°	86.5	2.2
30°-40°	200.2	5.0
40°-50°	364.4	9.1
50°-60°	646.0	16.2
60°-70°	1092.8	27.4
70°-80°	1214.2	30.4
80°-90°	270.7	6.8
90°-100°	75.3	1.9
100°-110°	11.1	0.3
110°-120°	2.6	0.1
120°-130°	1.6	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3898.2	97.7
0°-180°	3991.0	100.0



REPORT NUMBER: P414657

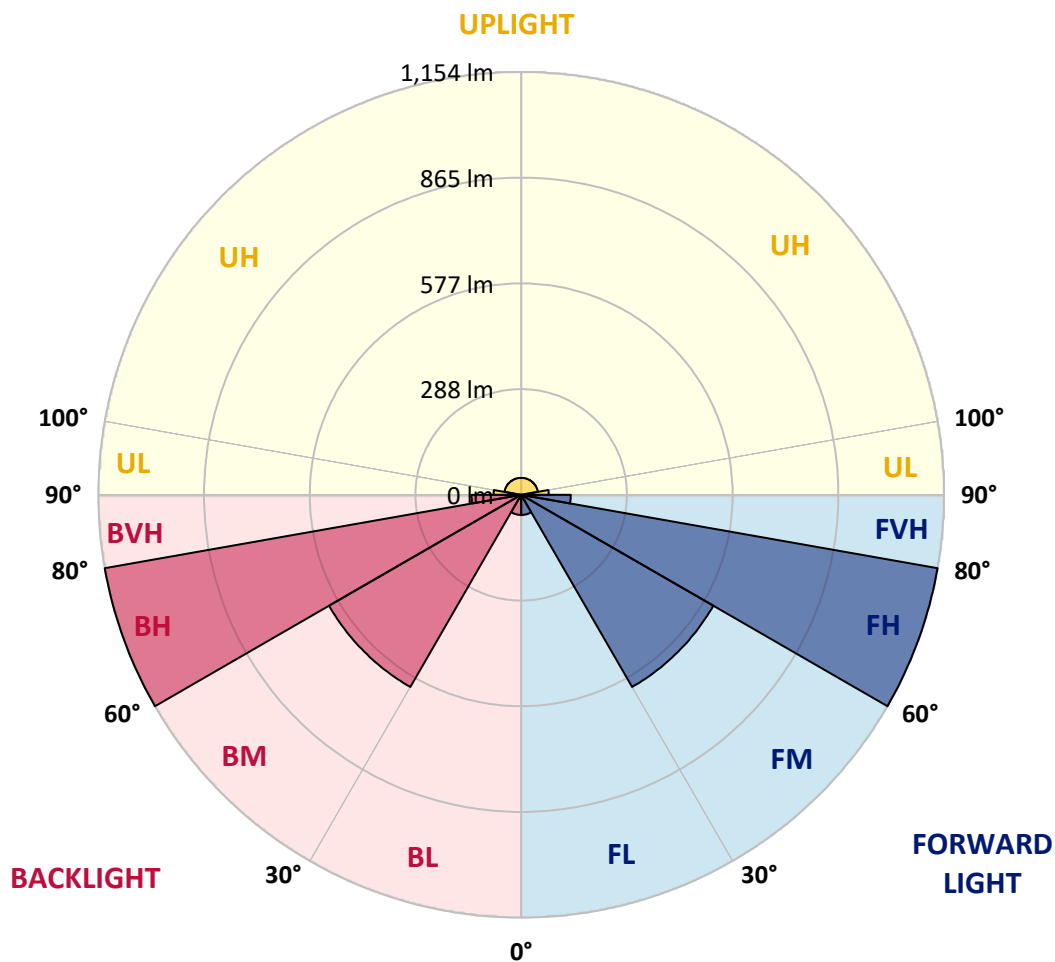
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.9	1.4			
FM (30°-60°)	605.3	15.2			
FH (60°-80°)	1153.5	28.9			G1/1800
FVH (80°-90°)	135.4	3.4			G2/225
BL (0°-30°)	54.9	1.4	B0/110		
BM (30°-60°)	605.3	15.2	B1/1000		
BH (60°-80°)	1153.5	28.9	B3/2500		G1/1800
BVH (80°-90°)	135.4	3.4			G2/225
UL (90°-100°)	75.3	1.9		U3/500	
UH (100°-180°)	46.4	1.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short





REPORT NUMBER: P414657

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.1	2.1	2.1	2.5	1.7	2.1	1.7	1.7	1.7	1.7	1.7
5°	18.6	18.2	16.9	31.3	14.8	7.6	4.2	2.5	1.7	1.7	1.7
7.5°	39.7	39.3	38.1	41.9	31.7	24.1	19.0	12.7	3.4	2.1	2.1
10°	47.8	47.4	45.7	46.1	44.4	43.1	35.5	21.6	9.7	3.4	3.4
12.5°	71.5	71.0	68.1	82.9	57.5	47.8	44.4	37.6	21.1	16.9	33.0
15°	97.7	97.7	93.4	95.6	79.1	69.8	51.6	64.7	71.0	67.6	72.3
17.5°	108.7	108.2	104.0	103.2	98.9	90.9	89.2	93.9	91.3	81.2	81.6
20°	138.3	137.8	132.3	148.4	122.6	103.2	128.5	112.5	103.6	118.0	137.0
22.5°	166.2	165.7	161.5	162.4	148.4	151.8	140.4	130.2	153.9	159.4	164.5
25°	197.0	195.8	179.3	175.9	164.0	179.7	161.1	187.3	171.2	178.8	192.4
27.5°	231.3	229.6	221.5	224.1	201.3	194.5	205.5	200.0	210.6	243.5	250.7
30°	253.3	243.5	236.3	235.1	239.7	217.7	226.2	231.7	243.1	257.5	270.2
32.5°	304.4	302.3	274.8	289.6	262.1	259.6	241.8	260.4	260.4	316.3	354.3
35°	327.2	325.1	317.5	307.8	301.0	277.8	286.2	280.3	323.4	344.2	375.9
37.5°	406.3	404.2	364.0	369.1	328.1	315.0	306.1	328.9	345.8	367.4	404.2
40°	437.2	435.5	419.4	396.6	381.4	343.7	332.7	351.8	372.5	396.2	433.8
42.5°	474.0	472.7	453.7	432.5	417.3	385.2	373.3	375.0	400.4	435.5	472.3
45°	517.9	517.9	505.7	469.3	454.5	431.7	412.6	414.8	438.4	480.7	518.8
47.5°	568.2	567.4	560.2	519.6	508.2	473.5	458.3	465.1	483.3	530.2	570.4
50°	627.0	622.8	622.4	575.8	561.9	526.4	512.0	523.4	534.4	580.9	624.5
52.5°	687.5	688.7	689.2	643.5	629.5	599.1	578.4	590.6	590.6	639.7	687.5
55°	759.3	762.3	760.2	714.9	717.1	684.1	655.8	671.0	665.5	712.4	755.1
57.5°	851.9	851.1	855.3	803.3	810.1	783.4	751.3	761.0	752.6	791.1	829.1
60°	944.5	944.5	955.5	910.3	928.5	888.3	867.6	872.7	842.6	874.8	908.6
62.5°	1040.9	1041.8	1057.8	1042.6	1046.8	1004.1	991.0	983.0	925.9	967.8	991.0
65°	1138.6	1139.9	1166.5	1183.0	1151.7	1112.8	1101.4	1081.9	1020.6	1079.8	1084.0
67.5°	1237.5	1243.0	1274.7	1309.8	1262.0	1189.7	1206.2	1171.1	1107.7	1164.4	1161.4
70°	1346.2	1350.0	1371.6	1430.3	1344.5	1251.5	1269.2	1243.4	1168.2	1238.8	1244.3
72°	1374.5	1377.0	1400.3	1478.5	1369.4	1282.3	1311.1	1269.7	1195.2	1272.6	1276.8
72.5°	1372.8	1376.6	1395.6	1469.2	1368.6	1287.8	1318.7	1272.6	1194.8	1270.5	1270.1
75°	1243.9	1252.7	1281.9	1324.6	1293.3	1276.8	1342.8	1254.9	1147.0	1188.9	1179.2
77.5°	912.8	919.6	961.9	988.9	1050.6	1161.4	1280.2	1152.5	1002.9	983.8	951.7
80°	447.7	445.2	530.2	491.7	670.1	888.7	1062.5	912.0	709.0	577.1	494.2
82.5°	151.4	160.2	194.9	187.7	298.1	512.9	719.2	563.2	328.5	223.7	184.8
85°	85.4	88.4	107.4	103.2	121.3	199.1	369.9	256.2	143.8	120.1	107.0
87.5°	75.3	76.5	75.7	74.4	80.3	111.6	112.0	115.8	87.9	81.6	82.0
90°	76.1	76.9	68.9	66.0	70.6	93.4	104.0	98.5	71.9	70.2	76.9
92.5°	82.4	83.3	74.8	71.9	75.7	96.0	107.0	101.5	72.7	74.8	82.0
95°	75.3	76.1	68.9	66.0	70.2	89.2	100.2	98.1	69.3	76.5	87.1
97.5°	48.2	48.6	48.2	48.2	55.4	67.6	70.6	66.8	46.1	46.9	47.8
100°	19.0	15.2	21.6	31.7	39.3	39.7	38.1	35.1	29.6	19.4	9.7
102.5°	6.3	6.3	14.8	20.7	23.3	18.6	14.8	14.8	17.3	12.3	6.3
105°	6.3	6.3	8.0	9.7	9.7	5.1	4.7	7.6	11.0	6.3	6.3
107.5°	5.9	6.3	4.2	3.8	3.4	3.4	3.4	3.4	4.2	4.7	6.3



REPORT NUMBER: P414657

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	5.1	5.1	3.4	3.4	3.0	2.5	3.4	3.0	3.4	3.8	5.1
112.5°	3.8	4.2	2.5	2.5	2.5	2.1	3.0	2.5	2.5	3.0	3.4
115°	3.8	3.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5	3.4
117.5°	3.8	3.4	2.1	1.7	1.7	1.7	1.7	1.7	1.7	2.5	3.4
120°	3.8	3.4	2.1	1.7	1.3	1.3	1.3	1.3	1.7	2.1	3.4
122.5°	3.4	3.4	2.1	1.7	1.3	1.3	1.3	1.3	1.3	2.1	3.4
125°	3.4	3.4	2.1	1.7	1.3	1.3	0.8	1.3	1.3	2.1	3.0
127.5°	3.4	3.0	2.1	1.3	1.3	0.8	0.8	0.8	1.3	1.7	3.0
130°	3.0	3.0	2.1	1.3	0.8	0.8	0.8	0.8	0.8	1.7	2.5
132.5°	2.5	2.5	1.7	1.3	0.8	0.8	0.8	0.8	0.8	1.3	2.1
135°	2.1	2.1	1.7	1.3	0.8	1.3	0.8	0.8	0.8	0.8	1.7
137.5°	2.1	2.1	1.7	1.3	0.8	1.3	0.8	0.8	0.8	0.8	1.3
140°	2.1	2.1	1.7	1.3	1.3	1.3	0.8	0.8	0.8	0.8	1.3
142.5°	2.1	2.1	1.7	1.3	1.3	1.3	0.8	0.8	0.8	1.3	1.3
145°	2.1	2.1	2.1	1.7	1.3	1.3	0.8	0.8	1.3	1.3	1.7
147.5°	2.5	2.5	2.1	1.7	1.3	0.8	0.8	0.8	1.3	1.7	1.7
150°	2.1	2.1	1.7	1.3	1.3	0.8	0.4	0.4	0.8	1.7	1.7
152.5°	1.7	1.7	1.3	0.8	0.8	0.4	0.0	0.4	0.8	1.3	1.7
155°	1.3	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.8	1.3
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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



REPORT NUMBER: P414657

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	1.7
2.5°	1.7
5°	1.7
7.5°	2.1
10°	3.4
12.5°	33.8
15°	72.7
17.5°	81.6
20°	148.0
22.5°	166.6
25°	196.6
27.5°	256.6
30°	272.7
32.5°	363.2
35°	382.6
37.5°	408.8
40°	437.2
42.5°	473.5
45°	518.8
47.5°	571.2
50°	623.2
52.5°	685.8
55°	758.1
57.5°	827.0
60°	906.1
62.5°	985.5
65°	1084.0
67.5°	1161.4
70°	1246.4
72°	1278.1
72.5°	1270.5
75°	1180.9
77.5°	954.7
80°	484.9
82.5°	171.7
85°	105.3
87.5°	80.3
90°	75.7
92.5°	80.8
95°	85.8
97.5°	45.7
100°	6.8
102.5°	6.8
105°	6.8
107.5°	6.8



REPORT NUMBER: P414657

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
110°	5.5
112.5°	3.8
115°	3.8
117.5°	3.8
120°	3.8
122.5°	3.8
125°	3.4
127.5°	3.0
130°	2.5
132.5°	2.1
135°	1.7
137.5°	1.3
140°	1.3
142.5°	1.3
145°	1.7
147.5°	1.7
150°	1.7
152.5°	1.7
155°	1.3
157.5°	0.4
160°	0.4
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)