

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: P414449

Luminaire Tested: **LXF.LXT-PA1-20-830-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414449
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-PA1-20-830-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA 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: 2261 lumens
Efficiency: N/A
Efficacy: 107.7 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: B2 - U2 - G1

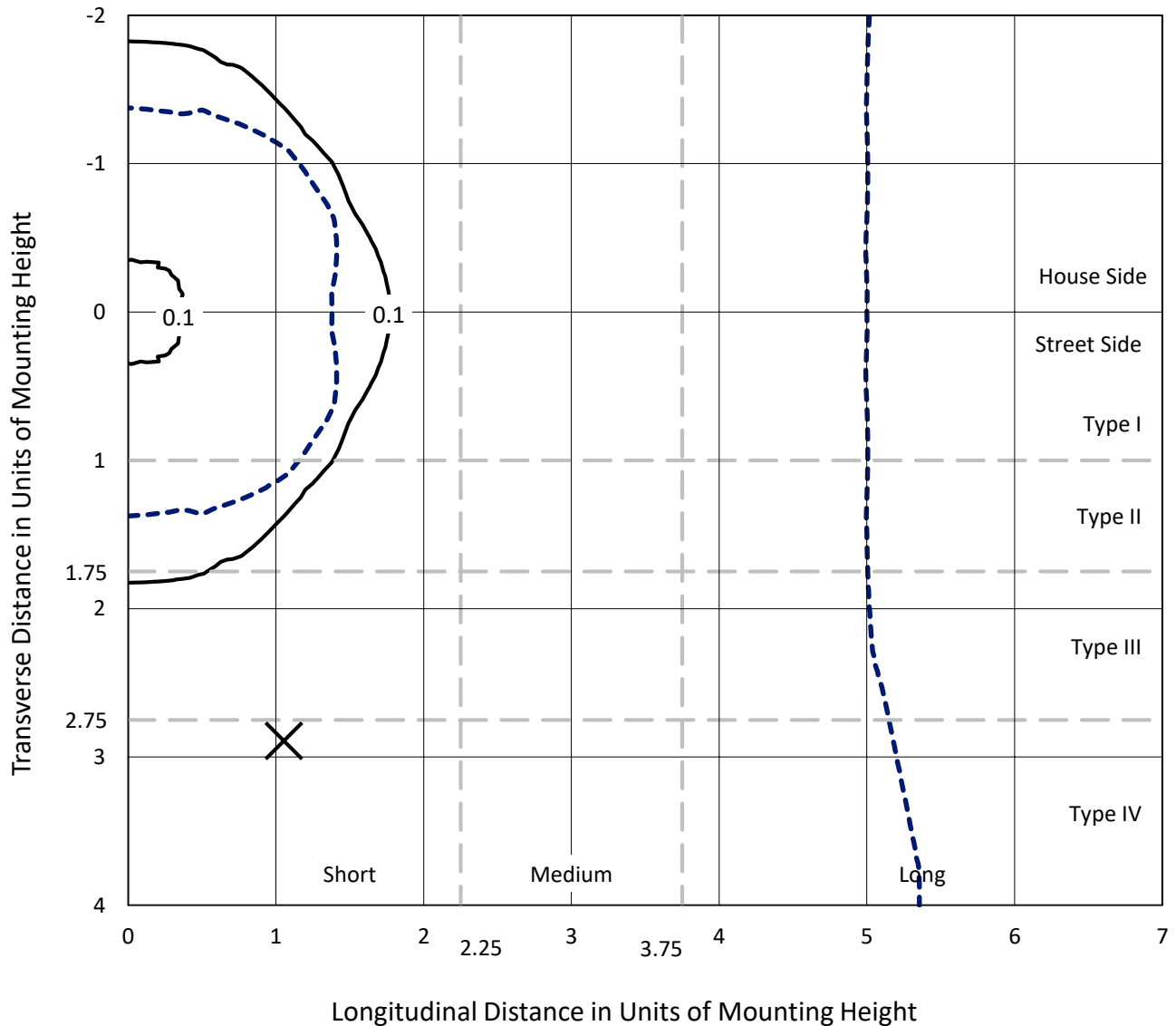
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414449
 CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

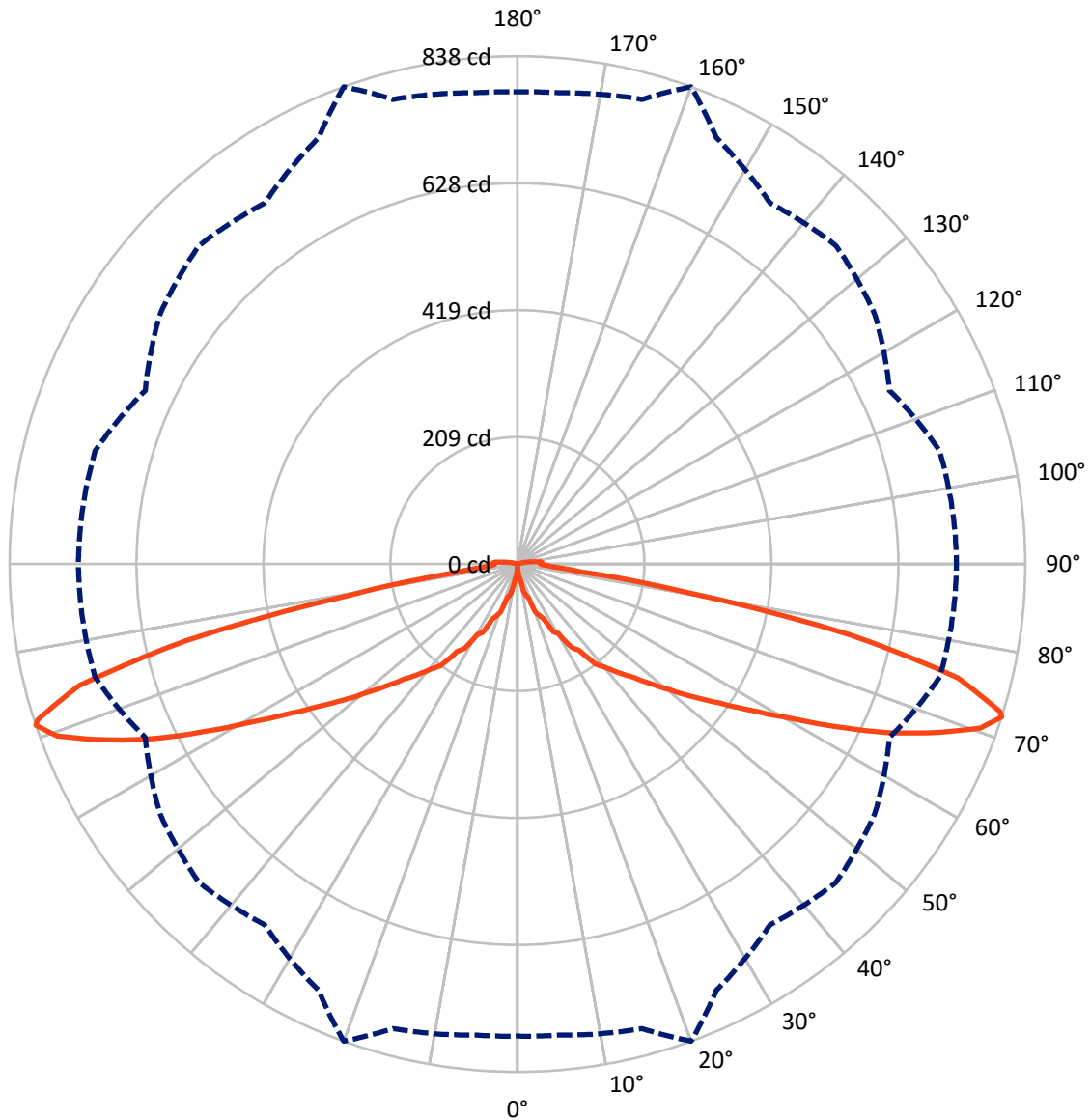
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P414449
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414449

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-CL

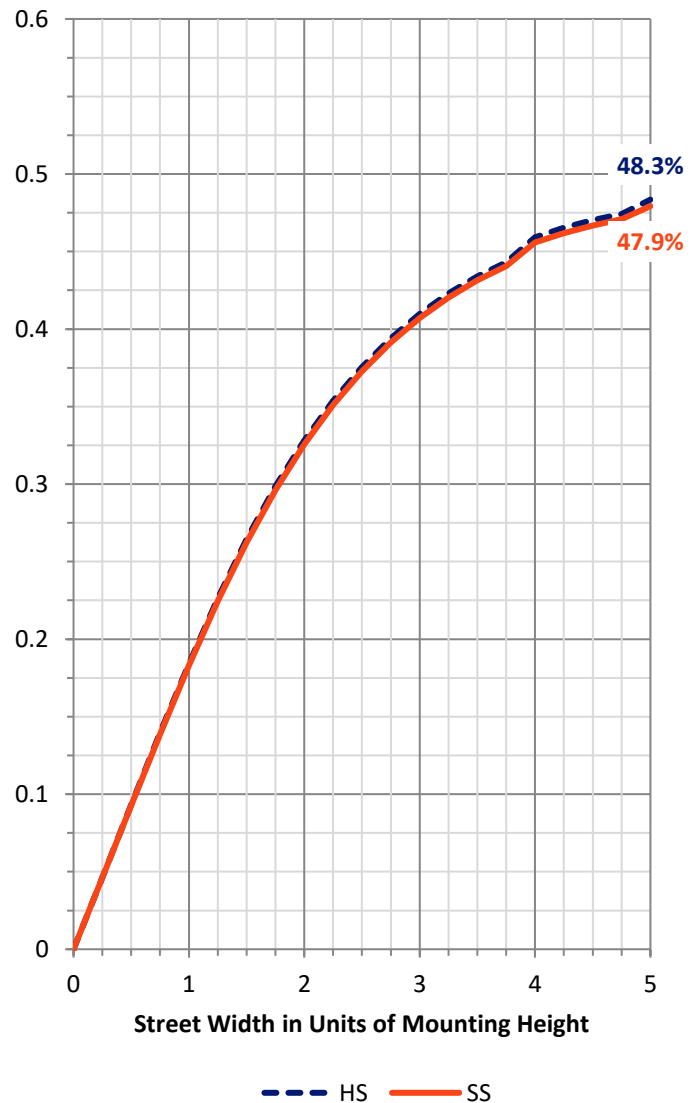
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1104.2	26.3	1130.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1104.2	26.3	1130.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	2208.5	52.6	2261.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	12.4	0.5
20°-30°	49.0	2.2
30°-40°	113.4	5.0
40°-50°	206.4	9.1
50°-60°	366.0	16.2
60°-70°	619.1	27.4
70°-80°	687.9	30.4
80°-90°	153.4	6.8
90°-100°	42.7	1.9
100°-110°	6.3	0.3
110°-120°	1.5	0.1
120°-130°	0.9	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2208.5	97.7
0°-180°	2261.0	100.0



REPORT NUMBER: P414449

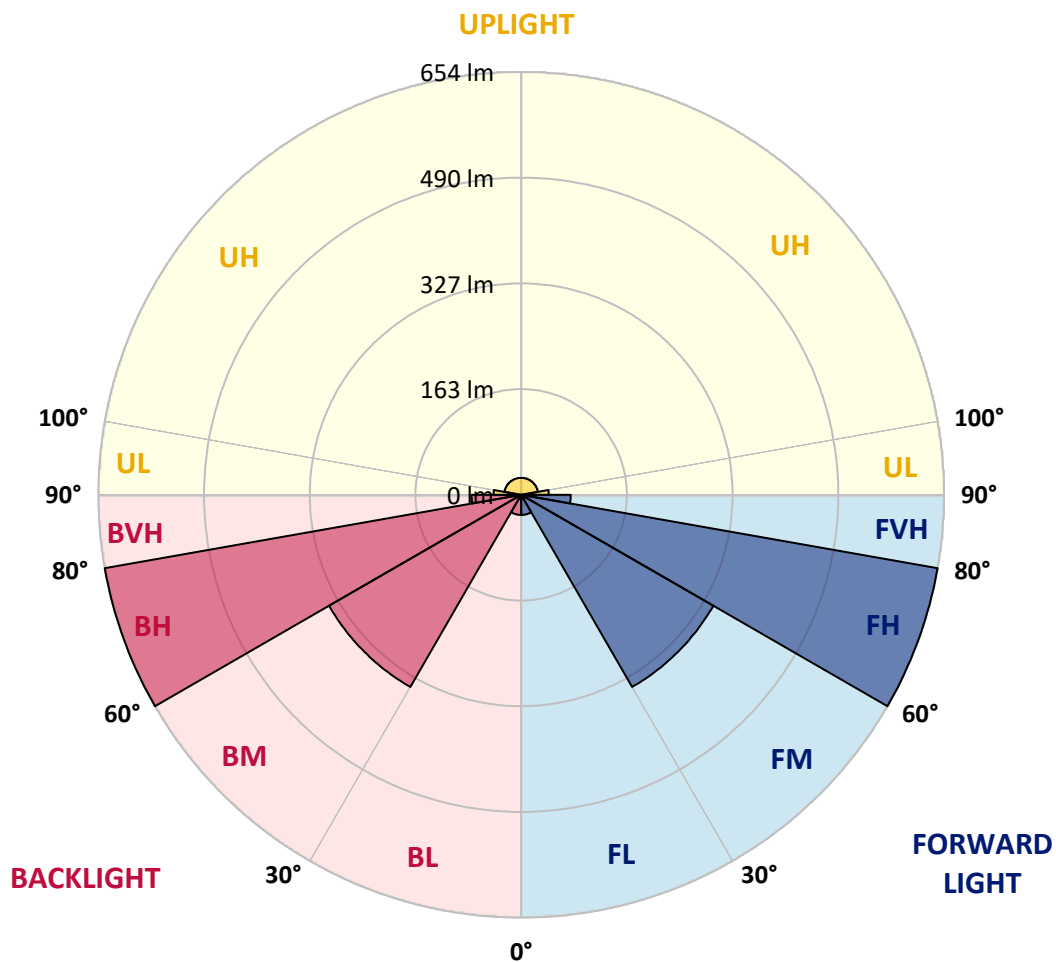
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	31.1	1.4			
FM (30°-60°)	342.9	15.2			
FH (60°-80°)	653.5	28.9			G0/660
FVH (80°-90°)	76.7	3.4			G1/100
BL (0°-30°)	31.1	1.4	B0/110		
BM (30°-60°)	342.9	15.2	B1/1000		
BH (60°-80°)	653.5	28.9	B2/1000		G0/660
BVH (80°-90°)	76.7	3.4			G1/100
UL (90°-100°)	42.7	1.9		U2/50	
UH (100°-180°)	26.3	1.2		U2/50	

BUG Rating: B2-U2-G1

Type V Short





REPORT NUMBER: P414449

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.2	1.2	1.2	1.4	1.0	1.2	1.0	1.0	1.0	1.0	1.0
5°	10.5	10.3	9.6	17.7	8.4	4.3	2.4	1.4	1.0	1.0	1.0
7.5°	22.5	22.3	21.6	23.7	18.0	13.7	10.8	7.2	1.9	1.2	1.2
10°	27.1	26.8	25.9	26.1	25.2	24.4	20.1	12.2	5.5	1.9	1.9
12.5°	40.5	40.2	38.6	46.9	32.6	27.1	25.2	21.3	12.0	9.6	18.7
15°	55.3	55.3	52.9	54.1	44.8	39.5	29.2	36.6	40.2	38.3	41.0
17.5°	61.6	61.3	58.9	58.4	56.0	51.5	50.5	53.2	51.7	46.0	46.2
20°	78.3	78.1	75.0	84.1	69.5	58.4	72.8	63.7	58.7	66.8	77.6
22.5°	94.1	93.9	91.5	92.0	84.1	86.0	79.5	73.8	87.2	90.3	93.2
25°	111.6	110.9	101.6	99.6	92.9	101.8	91.3	106.1	97.0	101.3	109.0
27.5°	131.0	130.1	125.5	126.9	114.0	110.2	116.4	113.3	119.3	138.0	142.0
30°	143.5	138.0	133.9	133.2	135.8	123.4	128.1	131.3	137.7	145.9	153.1
32.5°	172.5	171.3	155.7	164.1	148.5	147.1	137.0	147.5	147.5	179.2	200.7
35°	185.4	184.2	179.9	174.4	170.5	157.4	162.2	158.8	183.2	195.0	212.9
37.5°	230.2	229.0	206.2	209.1	185.9	178.4	173.4	186.3	195.9	208.1	229.0
40°	247.7	246.7	237.6	224.7	216.1	194.7	188.5	199.3	211.0	224.4	245.8
42.5°	268.5	267.8	257.0	245.0	236.4	218.2	211.5	212.5	226.8	246.7	267.5
45°	293.4	293.4	286.5	265.9	257.5	244.6	233.8	235.0	248.4	272.3	293.9
47.5°	321.9	321.4	317.4	294.4	287.9	268.3	259.6	263.5	273.8	300.4	323.1
50°	355.2	352.8	352.6	326.2	318.3	298.2	290.1	296.5	302.8	329.1	353.8
52.5°	389.5	390.2	390.4	364.6	356.7	339.4	327.7	334.6	334.6	362.4	389.5
55°	430.2	431.9	430.7	405.0	406.2	387.6	371.5	380.1	377.0	403.6	427.8
57.5°	482.6	482.2	484.6	455.1	458.9	443.8	425.6	431.1	426.4	448.2	469.7
60°	535.1	535.1	541.3	515.7	526.0	503.2	491.5	494.4	477.4	495.6	514.7
62.5°	589.7	590.2	599.3	590.7	593.1	568.9	561.4	556.9	524.6	548.3	561.4
65°	645.0	645.8	660.8	670.2	652.5	630.4	624.0	612.9	578.2	611.7	614.1
67.5°	701.1	704.2	722.2	742.0	715.0	674.0	683.4	663.5	627.6	659.7	658.0
70°	762.6	764.8	777.0	810.3	761.7	709.0	719.1	704.4	661.8	701.8	704.9
72°	778.7	780.1	793.3	837.6	775.8	726.5	742.8	719.3	677.1	721.0	723.4
72.5°	777.7	779.9	790.7	832.3	775.3	729.6	747.1	721.0	676.9	719.8	719.5
75°	704.7	709.7	726.2	750.4	732.7	723.4	760.7	710.9	649.8	673.5	668.0
77.5°	517.1	521.0	544.9	560.2	595.2	658.0	725.3	652.9	568.2	557.4	539.2
80°	253.7	252.2	300.4	278.6	379.6	503.5	601.9	516.7	401.7	327.0	280.0
82.5°	85.7	90.8	110.4	106.3	168.9	290.5	407.4	319.0	186.1	126.7	104.7
85°	48.4	50.1	60.8	58.4	68.7	112.8	209.6	145.2	81.4	68.0	60.6
87.5°	42.6	43.4	42.9	42.2	45.5	63.2	63.5	65.6	49.8	46.2	46.5
90°	43.1	43.6	39.0	37.4	40.0	52.9	58.9	55.8	40.7	39.8	43.6
92.5°	46.7	47.2	42.4	40.7	42.9	54.4	60.6	57.5	41.2	42.4	46.5
95°	42.6	43.1	39.0	37.4	39.8	50.5	56.8	55.6	39.3	43.4	49.3
97.5°	27.3	27.5	27.3	27.3	31.4	38.3	40.0	37.8	26.1	26.6	27.1
100°	10.8	8.6	12.2	18.0	22.3	22.5	21.6	19.9	16.8	11.0	5.5
102.5°	3.6	3.6	8.4	11.7	13.2	10.5	8.4	8.4	9.8	6.9	3.6
105°	3.6	3.6	4.6	5.5	5.5	2.9	2.6	4.3	6.2	3.6	3.6
107.5°	3.4	3.6	2.4	2.2	1.9	1.9	1.9	1.9	2.4	2.6	3.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	2.9	2.9	1.9	1.9	1.7	1.4	1.9	1.7	1.9	2.2	2.9
112.5°	2.2	2.4	1.4	1.4	1.4	1.2	1.7	1.4	1.4	1.7	1.9
115°	2.2	2.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.9
117.5°	2.2	1.9	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.9
120°	2.2	1.9	1.2	1.0	0.7	0.7	0.7	0.7	1.0	1.2	1.9
122.5°	1.9	1.9	1.2	1.0	0.7	0.7	0.7	0.7	0.7	1.2	1.9
125°	1.9	1.9	1.2	1.0	0.7	0.7	0.5	0.7	0.7	1.2	1.7
127.5°	1.9	1.7	1.2	0.7	0.7	0.5	0.5	0.5	0.7	1.0	1.7
130°	1.7	1.7	1.2	0.7	0.5	0.5	0.5	0.5	0.5	1.0	1.4
132.5°	1.4	1.4	1.0	0.7	0.5	0.5	0.5	0.5	0.5	0.7	1.2
135°	1.2	1.2	1.0	0.7	0.5	0.7	0.5	0.5	0.5	0.5	1.0
137.5°	1.2	1.2	1.0	0.7	0.5	0.7	0.5	0.5	0.5	0.5	0.7
140°	1.2	1.2	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.7
142.5°	1.2	1.2	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.7	0.7
145°	1.2	1.2	1.2	1.0	0.7	0.7	0.5	0.5	0.7	0.7	1.0
147.5°	1.4	1.4	1.2	1.0	0.7	0.5	0.5	0.5	0.7	1.0	1.0
150°	1.2	1.2	1.0	0.7	0.7	0.5	0.2	0.2	0.5	1.0	1.0
152.5°	1.0	1.0	0.7	0.5	0.5	0.2	0.0	0.2	0.5	0.7	1.0
155°	0.7	0.5	0.5	0.2	0.2	0.0	0.0	0.0	0.2	0.5	0.7
157.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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: P414449

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	1.0
2.5°	1.0
5°	1.0
7.5°	1.2
10°	1.9
12.5°	19.2
15°	41.2
17.5°	46.2
20°	83.8
22.5°	94.4
25°	111.4
27.5°	145.4
30°	154.5
32.5°	205.8
35°	216.8
37.5°	231.6
40°	247.7
42.5°	268.3
45°	293.9
47.5°	323.6
50°	353.1
52.5°	388.5
55°	429.5
57.5°	468.5
60°	513.3
62.5°	558.3
65°	614.1
67.5°	658.0
70°	706.1
72°	724.1
72.5°	719.8
75°	669.0
77.5°	540.8
80°	274.7
82.5°	97.2
85°	59.6
87.5°	45.5
90°	42.9
92.5°	45.7
95°	48.6
97.5°	25.9
100°	3.8
102.5°	3.8
105°	3.8
107.5°	3.8



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CANDELA DISTRIBUTION (continued):

	90°
110°	3.1
112.5°	2.2
115°	2.2
117.5°	2.2
120°	2.2
122.5°	2.2
125°	1.9
127.5°	1.7
130°	1.4
132.5°	1.2
135°	1.0
137.5°	0.7
140°	0.7
142.5°	0.7
145°	1.0
147.5°	1.0
150°	1.0
152.5°	1.0
155°	0.7
157.5°	0.2
160°	0.2
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)