

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: P415125

Luminaire Tested: **LXF.LXT-PA1-40-750-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415125
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-PA1-40-750-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA 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: 5167.9 lumens
Efficiency: N/A
Efficacy: 129.2 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

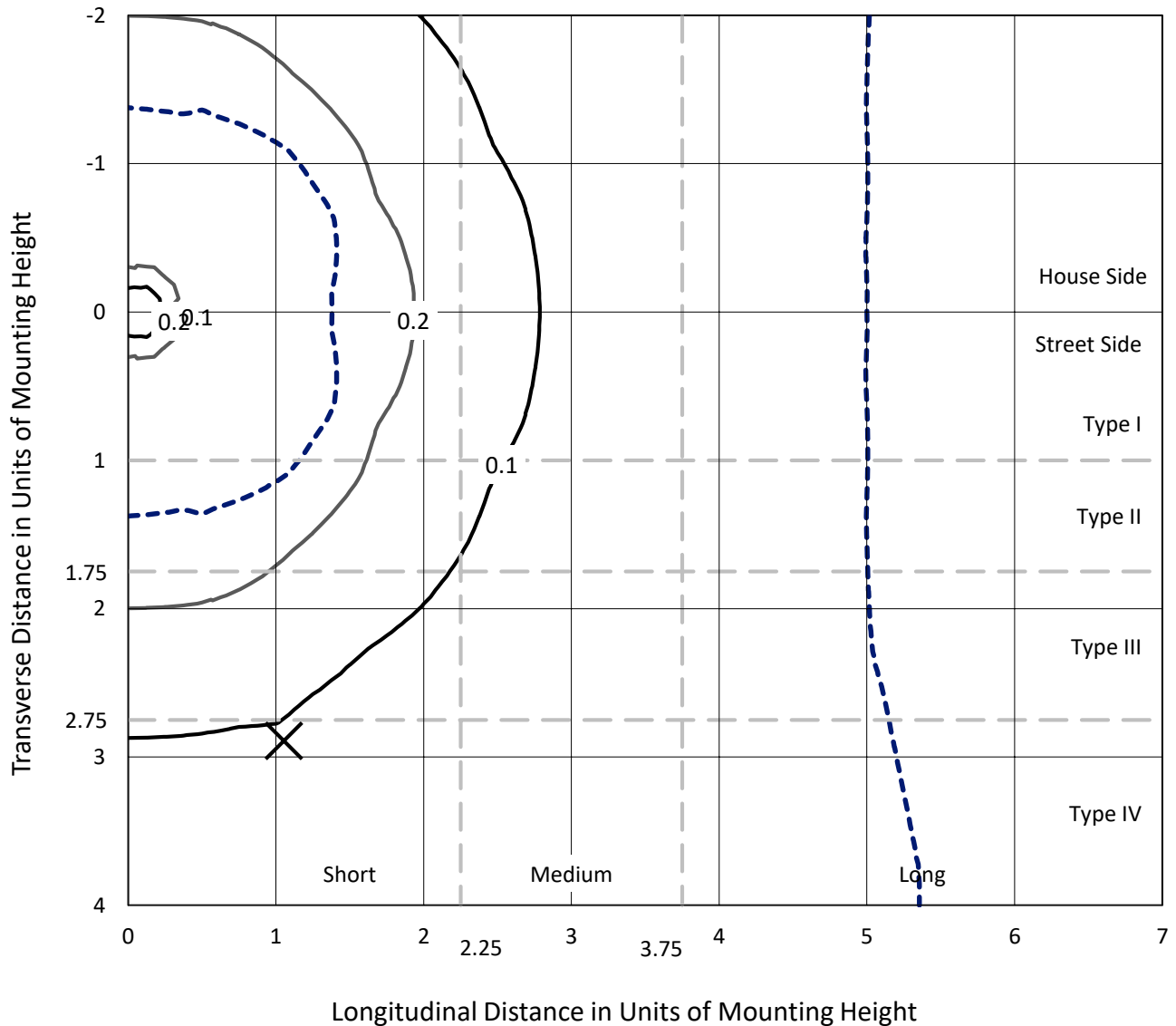
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415125
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

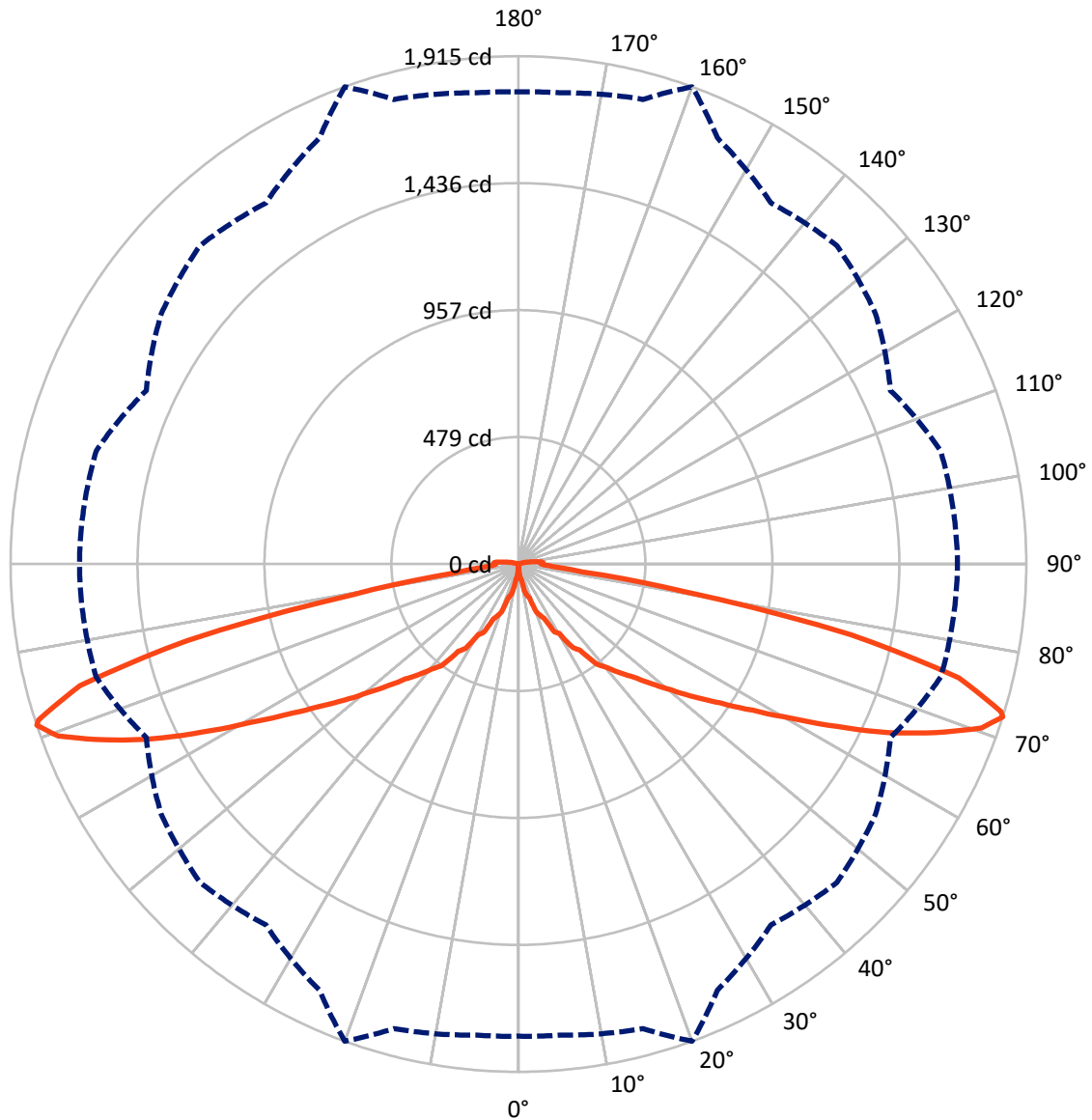
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
Type V - Short - Non-Cutoff

REPORT NUMBER: P415125
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-CL

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-CL

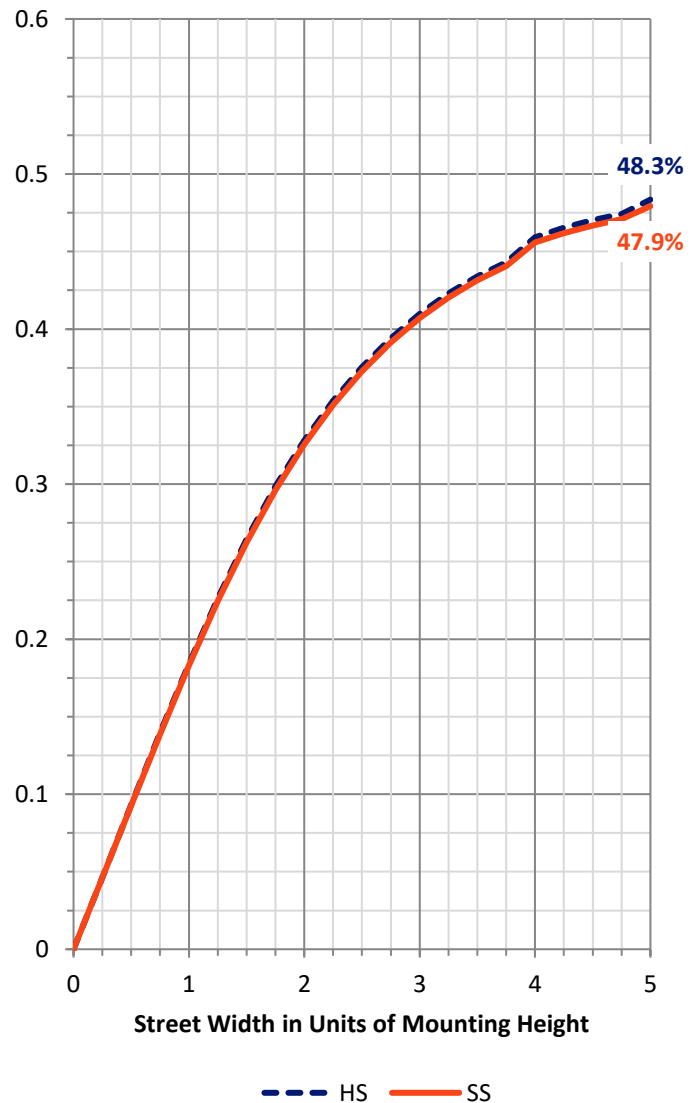
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2523.9	60.0	2584.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2523.9	60.0	2584.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	5047.9	120.1	5167.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.0
10°-20°	28.3	0.5
20°-30°	112.0	2.2
30°-40°	259.2	5.0
40°-50°	471.8	9.1
50°-60°	836.6	16.2
60°-70°	1415.1	27.4
70°-80°	1572.4	30.4
80°-90°	350.6	6.8
90°-100°	97.6	1.9
100°-110°	14.4	0.3
110°-120°	3.3	0.1
120°-130°	2.1	0.0
130°-140°	1.3	0.0
140°-150°	1.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5047.9	97.7
0°-180°	5167.9	100.0



REPORT NUMBER: P415125

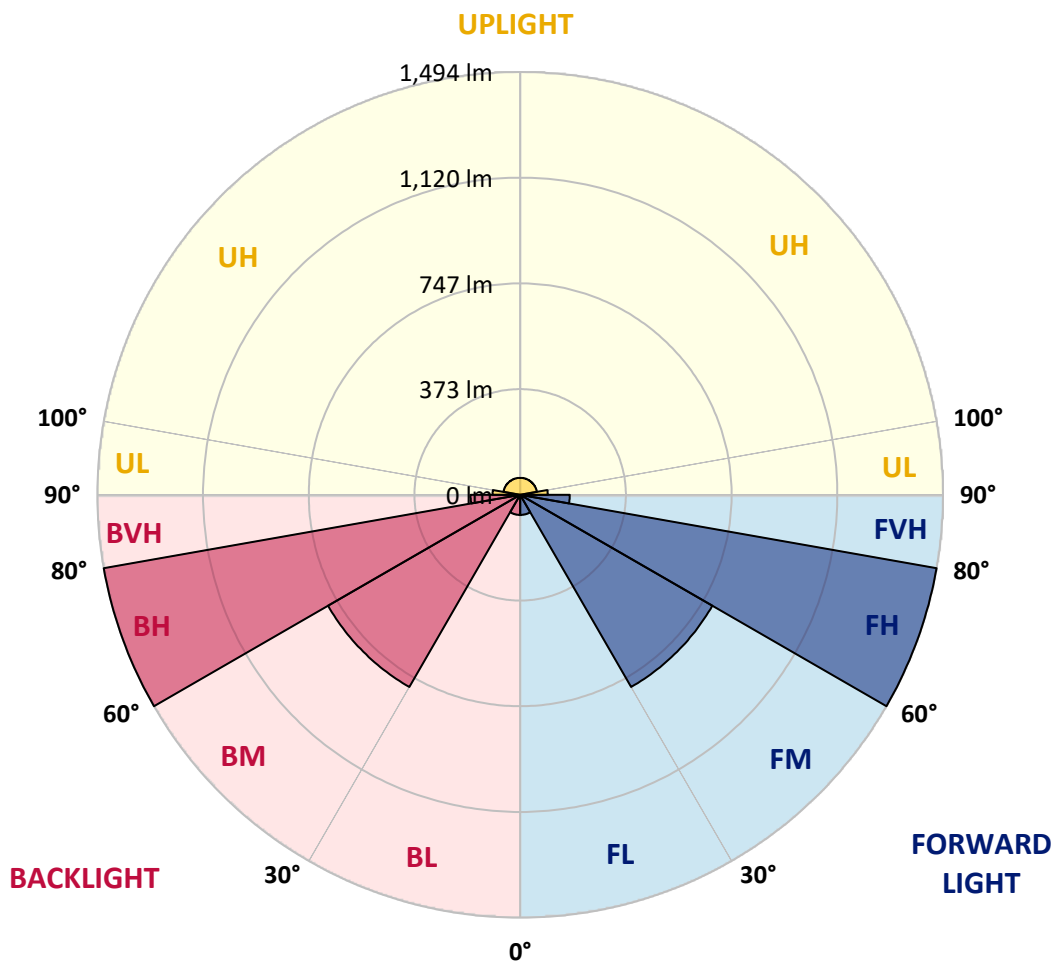
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.1	1.4			
FM (30°-60°)	783.8	15.2			
FH (60°-80°)	1493.7	28.9			G1/1800
FVH (80°-90°)	175.3	3.4			G2/225
BL (0°-30°)	71.1	1.4	B0/110		
BM (30°-60°)	783.8	15.2	B1/1000		
BH (60°-80°)	1493.7	28.9	B3/2500		G1/1800
BVH (80°-90°)	175.3	3.4			G2/225
UL (90°-100°)	97.6	1.9		U3/500	
UH (100°-180°)	60.0	1.2		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.7	2.7	2.7	3.3	2.2	2.7	2.2	2.2	2.2	2.2	2.2
5°	24.1	23.5	21.9	40.5	19.2	9.9	5.5	3.3	2.2	2.2	2.2
7.5°	51.5	50.9	49.3	54.2	41.1	31.2	24.6	16.4	4.4	2.7	2.7
10°	61.9	61.3	59.1	59.7	57.5	55.8	46.0	27.9	12.6	4.4	4.4
12.5°	92.5	92.0	88.1	107.3	74.5	61.9	57.5	48.7	27.4	21.9	42.7
15°	126.5	126.5	121.0	123.7	102.4	90.3	66.8	83.8	92.0	87.6	93.6
17.5°	140.7	140.2	134.7	133.6	128.1	117.7	115.5	121.5	118.3	105.1	105.7
20°	179.0	178.5	171.4	192.2	158.8	133.6	166.4	145.6	134.1	152.7	177.4
22.5°	215.2	214.6	209.1	210.2	192.2	196.5	181.8	168.6	199.3	206.4	213.0
25°	255.1	253.5	232.1	227.8	212.4	232.7	208.6	242.5	221.7	231.6	249.1
27.5°	299.5	297.3	286.9	290.2	260.6	251.8	266.1	259.0	272.6	315.4	324.7
30°	327.9	315.4	306.0	304.4	310.4	282.0	292.9	300.0	314.8	333.4	349.8
32.5°	394.2	391.5	355.9	375.0	339.4	336.2	313.2	337.3	337.3	409.5	458.8
35°	423.8	421.0	411.2	398.6	389.8	359.7	370.6	363.0	418.8	445.7	486.7
37.5°	526.1	523.4	471.4	478.0	424.8	407.9	396.4	425.9	447.8	475.8	523.4
40°	566.1	563.9	543.1	513.5	493.8	445.1	430.9	455.5	482.3	513.0	561.7
42.5°	613.7	612.1	587.5	560.1	540.4	498.8	483.4	485.6	518.5	563.9	611.5
45°	670.7	670.7	654.8	607.7	588.5	559.0	534.3	537.1	567.7	622.5	671.8
47.5°	735.8	734.7	725.4	672.9	658.1	613.2	593.5	602.2	625.8	686.5	738.6
50°	811.9	806.4	805.9	745.7	727.6	681.6	663.0	677.8	692.0	752.2	808.6
52.5°	890.2	891.9	892.4	833.3	815.2	775.8	749.0	764.8	764.8	828.3	890.2
55°	983.3	987.1	984.4	925.8	928.5	885.8	849.1	868.9	861.7	922.5	977.8
57.5°	1103.2	1102.1	1107.6	1040.2	1049.0	1014.5	972.9	985.5	974.5	1024.3	1073.6
60°	1223.1	1223.1	1237.3	1178.7	1202.3	1150.3	1123.4	1130.0	1091.1	1132.7	1176.5
62.5°	1347.9	1349.0	1369.8	1350.1	1355.6	1300.3	1283.3	1272.9	1199.0	1253.2	1283.3
65°	1474.4	1476.0	1510.5	1531.9	1491.3	1441.0	1426.2	1401.0	1321.6	1398.3	1403.7
67.5°	1602.5	1609.6	1650.7	1696.1	1634.2	1540.6	1562.0	1516.5	1434.4	1507.8	1503.9
70°	1743.2	1748.1	1776.0	1852.1	1741.0	1620.6	1643.5	1610.2	1512.7	1604.1	1611.2
72°	1779.9	1783.2	1813.3	1914.6	1773.3	1660.5	1697.7	1644.1	1547.7	1647.9	1653.4
72.5°	1777.7	1782.6	1807.2	1902.5	1772.2	1667.6	1707.6	1647.9	1547.2	1645.2	1644.6
75°	1610.7	1622.2	1660.0	1715.3	1674.8	1653.4	1738.8	1624.9	1485.3	1539.5	1526.9
77.5°	1182.0	1190.8	1245.5	1280.6	1360.5	1503.9	1657.8	1492.4	1298.6	1274.0	1232.4
80°	579.8	576.5	686.5	636.7	867.8	1150.8	1375.8	1180.9	918.1	747.3	640.0
82.5°	196.0	207.5	252.4	243.1	386.0	664.1	931.3	729.2	425.4	289.6	239.3
85°	110.6	114.4	139.1	133.6	157.1	257.9	479.0	331.8	186.1	155.5	138.5
87.5°	97.5	99.1	98.0	96.4	104.0	144.5	145.1	150.0	113.9	105.7	106.2
90°	98.5	99.6	89.2	85.4	91.4	121.0	134.7	127.6	93.1	90.9	99.6
92.5°	106.8	107.9	96.9	93.1	98.0	124.3	138.5	131.4	94.2	96.9	106.2
95°	97.5	98.5	89.2	85.4	90.9	115.5	129.8	127.0	89.8	99.1	112.8
97.5°	62.4	63.0	62.4	62.4	71.7	87.6	91.4	86.5	59.7	60.8	61.9
100°	24.6	19.7	27.9	41.1	50.9	51.5	49.3	45.4	38.3	25.2	12.6
102.5°	8.2	8.2	19.2	26.8	30.1	24.1	19.2	19.2	22.4	15.9	8.2
105°	8.2	8.2	10.4	12.6	12.6	6.6	6.0	9.9	14.2	8.2	8.2
107.5°	7.7	8.2	5.5	4.9	4.4	4.4	4.4	4.4	5.5	6.0	8.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	6.6	6.6	4.4	4.4	3.8	3.3	4.4	3.8	4.4	4.9	6.6
112.5°	4.9	5.5	3.3	3.3	3.3	2.7	3.8	3.3	3.3	3.8	4.4
115°	4.9	4.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.3	4.4
117.5°	4.9	4.4	2.7	2.2	2.2	2.2	2.2	2.2	2.2	3.3	4.4
120°	4.9	4.4	2.7	2.2	1.6	1.6	1.6	1.6	2.2	2.7	4.4
122.5°	4.4	4.4	2.7	2.2	1.6	1.6	1.6	1.6	1.6	2.7	4.4
125°	4.4	4.4	2.7	2.2	1.6	1.6	1.1	1.6	1.6	2.7	3.8
127.5°	4.4	3.8	2.7	1.6	1.6	1.1	1.1	1.1	1.6	2.2	3.8
130°	3.8	3.8	2.7	1.6	1.1	1.1	1.1	1.1	1.1	2.2	3.3
132.5°	3.3	3.3	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.6	2.7
135°	2.7	2.7	2.2	1.6	1.1	1.6	1.1	1.1	1.1	1.1	2.2
137.5°	2.7	2.7	2.2	1.6	1.1	1.6	1.1	1.1	1.1	1.1	1.6
140°	2.7	2.7	2.2	1.6	1.6	1.6	1.1	1.1	1.1	1.1	1.6
142.5°	2.7	2.7	2.2	1.6	1.6	1.6	1.1	1.1	1.1	1.6	1.6
145°	2.7	2.7	2.7	2.2	1.6	1.6	1.1	1.1	1.6	1.6	2.2
147.5°	3.3	3.3	2.7	2.2	1.6	1.1	1.1	1.1	1.6	2.2	2.2
150°	2.7	2.7	2.2	1.6	1.6	1.1	0.5	0.5	1.1	2.2	2.2
152.5°	2.2	2.2	1.6	1.1	1.1	0.5	0.0	0.5	1.1	1.6	2.2
155°	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.5	1.1	1.6
157.5°	0.5	0.5	0.5	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



REPORT NUMBER: P415125

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	2.2
2.5°	2.2
5°	2.2
7.5°	2.7
10°	4.4
12.5°	43.8
15°	94.2
17.5°	105.7
20°	191.6
22.5°	215.7
25°	254.6
27.5°	332.3
30°	353.1
32.5°	470.3
35°	495.5
37.5°	529.4
40°	566.1
42.5°	613.2
45°	671.8
47.5°	739.7
50°	807.0
52.5°	888.0
55°	981.6
57.5°	1070.9
60°	1173.3
62.5°	1276.2
65°	1403.7
67.5°	1503.9
70°	1614.0
72°	1655.0
72.5°	1645.2
75°	1529.1
77.5°	1236.2
80°	628.0
82.5°	222.3
85°	136.3
87.5°	104.0
90°	98.0
92.5°	104.6
95°	111.1
97.5°	59.1
100°	8.8
102.5°	8.8
105°	8.8
107.5°	8.8



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CANDELA DISTRIBUTION (continued):

	90°
110°	7.1
112.5°	4.9
115°	4.9
117.5°	4.9
120°	4.9
122.5°	4.9
125°	4.4
127.5°	3.8
130°	3.3
132.5°	2.7
135°	2.2
137.5°	1.6
140°	1.6
142.5°	1.6
145°	2.2
147.5°	2.2
150°	2.2
152.5°	2.2
155°	1.6
157.5°	0.5
160°	0.5
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)