

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: P417049

Luminaire Tested: **LXF.LXT-PA1-90-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417049
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-PA1-90-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 8512 lumens
Efficiency: N/A
Efficacy: 90.6 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 - G3

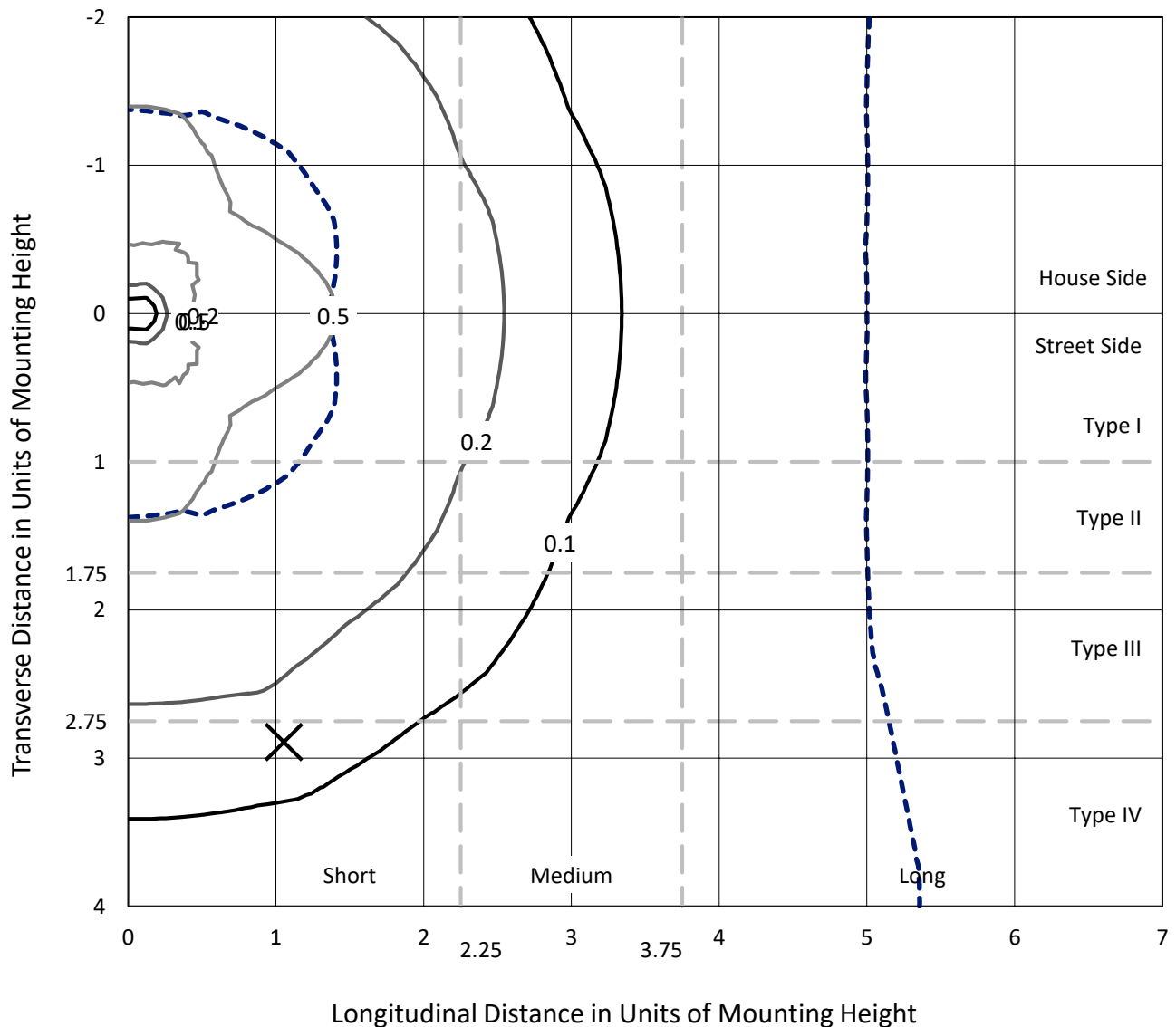
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417049
 CATALOG NUMBER: LXF.LXT-PA1-90-727-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

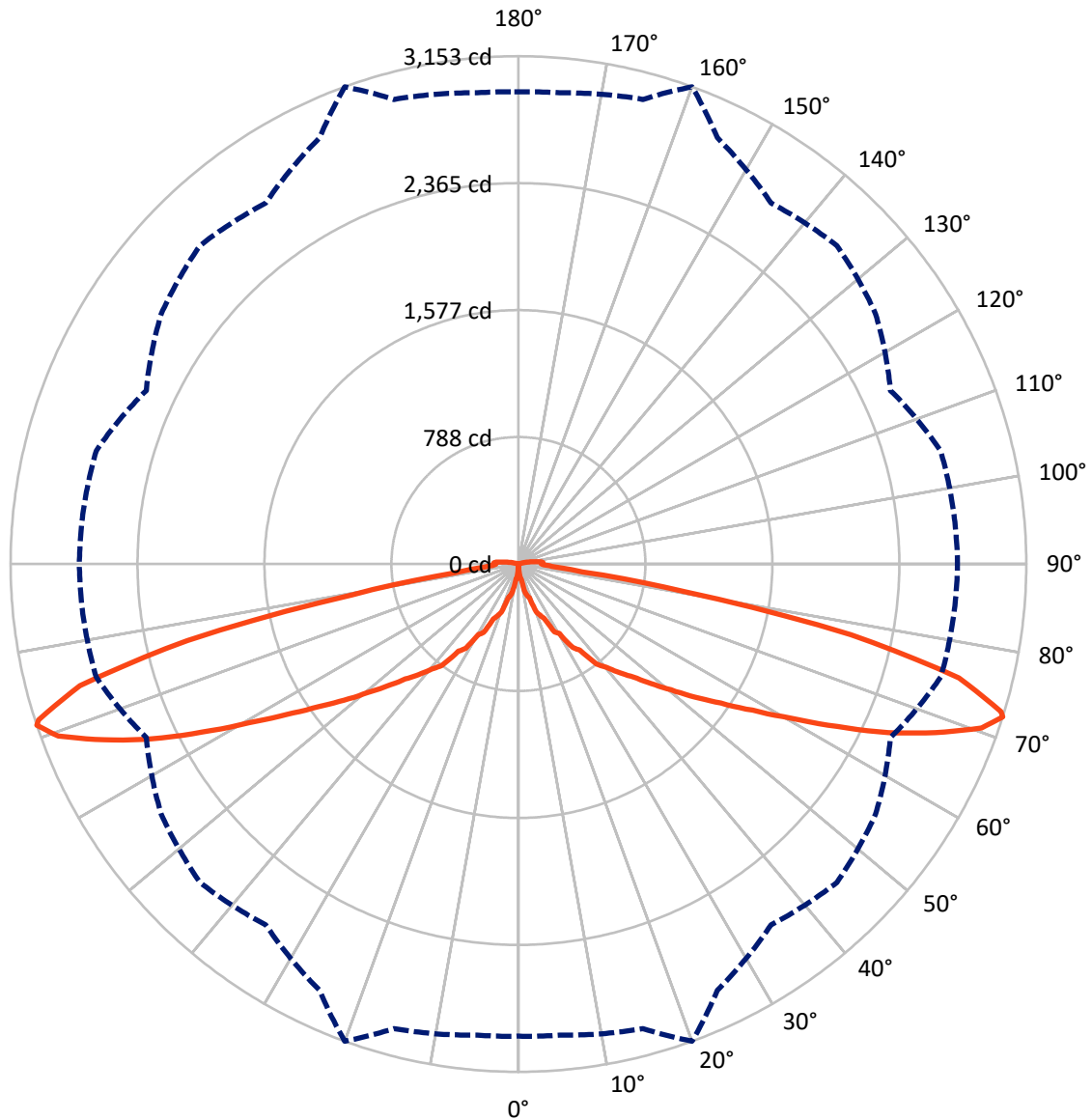
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P417049
CATALOG NUMBER: LXF.LXT-PA1-90-727-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-PA1-90-727-U-5WQ-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4157.1	98.9	4256.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	4157.1	98.9	4256.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	8314.2	197.8	8512.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	46.6	0.5
20°-30°	184.4	2.2
30°-40°	427.0	5.0
40°-50°	777.1	9.1
50°-60°	1377.9	16.2
60°-70°	2330.8	27.4
70°-80°	2589.8	30.4
80°-90°	577.4	6.8
90°-100°	160.7	1.9
100°-110°	23.7	0.3
110°-120°	5.5	0.1
120°-130°	3.4	0.0
130°-140°	2.1	0.0
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8314.2	97.7
0°-180°	8512.0	100.0



REPORT NUMBER: P417049

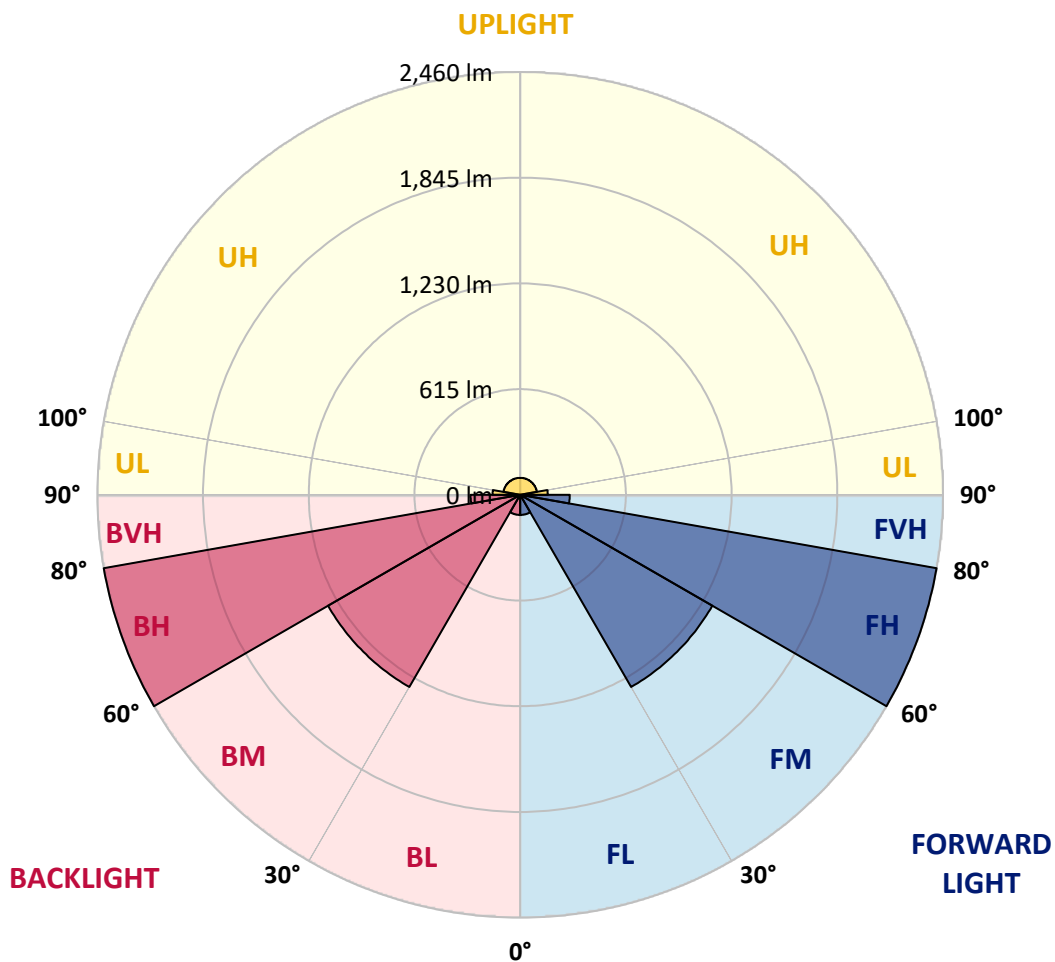
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.2	1.4			
FM (30°-60°)	1291.0	15.2			
FH (60°-80°)	2460.3	28.9			G2/5000
FVH (80°-90°)	288.7	3.4			G3/500
BL (0°-30°)	117.2	1.4	B1/500		
BM (30°-60°)	1291.0	15.2	B2/2500		
BH (60°-80°)	2460.3	28.9	B3/2500		G2/5000
BVH (80°-90°)	288.7	3.4			G3/500
UL (90°-100°)	160.7	1.9		U3/500	
UH (100°-180°)	98.9	1.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P417049

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-5WQ-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.5	4.5	4.5	5.4	3.6	4.5	3.6	3.6	3.6	3.6	3.6
5°	39.7	38.8	36.1	66.7	31.6	16.2	9.0	5.4	3.6	3.6	3.6
7.5°	84.8	83.9	81.2	89.3	67.6	51.4	40.6	27.1	7.2	4.5	4.5
10°	101.9	101.0	97.4	98.3	94.7	92.0	75.7	46.0	20.7	7.2	7.2
12.5°	152.4	151.5	145.2	176.7	122.6	101.9	94.7	80.3	45.1	36.1	70.3
15°	208.3	208.3	199.3	203.8	168.6	148.8	110.0	138.0	151.5	144.3	154.2
17.5°	231.7	230.8	221.8	220.0	211.0	193.9	190.3	200.2	194.8	173.1	174.0
20°	294.9	294.0	282.2	316.5	261.5	220.0	274.1	239.9	220.9	251.6	292.2
22.5°	354.4	353.5	344.5	346.3	316.5	323.7	299.4	277.7	328.2	340.0	350.8
25°	420.2	417.5	382.3	375.1	349.9	383.2	343.6	399.5	365.2	381.4	410.3
27.5°	493.3	489.6	472.5	477.9	429.2	414.8	438.2	426.5	449.1	519.4	534.7
30°	540.1	519.4	504.1	501.4	511.3	464.4	482.4	494.2	518.5	549.2	576.2
32.5°	649.3	644.7	586.1	617.7	559.1	553.7	515.8	555.5	555.5	674.5	755.7
35°	697.9	693.4	677.2	656.5	642.0	592.4	610.5	597.9	689.8	734.0	801.6
37.5°	866.6	862.1	776.4	787.2	699.7	671.8	652.9	701.6	737.6	783.6	862.1
40°	932.4	928.8	894.5	845.8	813.4	733.1	709.7	750.2	794.4	844.9	925.2
42.5°	1010.8	1008.1	967.6	922.5	890.0	821.5	796.2	799.8	853.9	928.8	1007.2
45°	1104.6	1104.6	1078.5	1000.9	969.4	920.7	880.1	884.6	935.1	1025.3	1106.4
47.5°	1211.9	1210.1	1194.8	1108.2	1083.9	1009.9	977.5	991.9	1030.7	1130.8	1216.4
50°	1337.3	1328.3	1327.4	1228.2	1198.4	1122.7	1092.0	1116.4	1139.8	1239.0	1331.9
52.5°	1466.2	1468.9	1469.8	1372.4	1342.7	1277.8	1233.6	1259.7	1259.7	1364.3	1466.2
55°	1619.5	1625.8	1621.3	1524.8	1529.3	1459.0	1398.6	1431.1	1419.3	1519.4	1610.5
57.5°	1817.0	1815.2	1824.2	1713.3	1727.7	1670.9	1602.4	1623.1	1605.1	1687.2	1768.3
60°	2014.5	2014.5	2037.9	1941.4	1980.2	1894.6	1850.4	1861.2	1797.2	1865.7	1937.8
62.5°	2220.1	2221.9	2256.2	2223.7	2232.7	2141.6	2113.7	2096.5	1974.8	2064.1	2113.7
65°	2428.4	2431.1	2487.9	2523.1	2456.3	2373.4	2349.0	2307.5	2176.8	2303.0	2312.1
67.5°	2639.4	2651.1	2718.7	2793.6	2691.7	2537.5	2572.7	2497.8	2362.6	2483.4	2477.1
70°	2871.1	2879.3	2925.2	3050.6	2867.5	2669.1	2707.0	2652.0	2491.5	2642.1	2653.8
72°	2931.6	2937.0	2986.6	3153.4	2920.7	2735.0	2796.3	2707.9	2549.2	2714.2	2723.3
72.5°	2927.9	2936.1	2976.6	3133.5	2918.9	2746.7	2812.5	2714.2	2548.3	2709.7	2708.8
75°	2652.9	2671.9	2734.1	2825.1	2758.4	2723.3	2863.9	2676.4	2446.4	2535.7	2514.9
77.5°	1946.9	1961.3	2051.5	2109.2	2240.8	2477.1	2730.5	2458.1	2138.9	2098.3	2029.8
80°	954.9	949.5	1130.8	1048.7	1429.3	1895.5	2266.1	1945.1	1512.2	1230.9	1054.1
82.5°	322.8	341.8	415.7	400.4	635.7	1093.8	1533.9	1201.1	700.7	477.0	394.1
85°	182.2	188.5	229.0	220.0	258.8	424.7	789.0	546.5	306.6	256.1	228.1
87.5°	160.5	163.2	161.4	158.7	171.3	238.1	239.0	247.1	187.6	174.0	174.9
90°	162.3	164.1	147.0	140.7	150.6	199.3	221.8	210.1	153.3	149.7	164.1
92.5°	175.8	177.6	159.6	153.3	161.4	204.7	228.1	216.4	155.1	159.6	174.9
95°	160.5	162.3	147.0	140.7	149.7	190.3	213.7	209.2	147.9	163.2	185.8
97.5°	102.8	103.7	102.8	102.8	118.1	144.3	150.6	142.5	98.3	100.1	101.9
100°	40.6	32.5	46.0	67.6	83.9	84.8	81.2	74.8	63.1	41.5	20.7
102.5°	13.5	13.5	31.6	44.2	49.6	39.7	31.6	31.6	37.0	26.2	13.5
105°	13.5	13.5	17.1	20.7	20.7	10.8	9.9	16.2	23.4	13.5	13.5
107.5°	12.6	13.5	9.0	8.1	7.2	7.2	7.2	7.2	9.0	9.9	13.5



REPORT NUMBER: P417049

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	10.8	10.8	7.2	7.2	6.3	5.4	7.2	6.3	7.2	8.1	10.8
112.5°	8.1	9.0	5.4	5.4	5.4	4.5	6.3	5.4	5.4	6.3	7.2
115°	8.1	8.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4	7.2
117.5°	8.1	7.2	4.5	3.6	3.6	3.6	3.6	3.6	3.6	5.4	7.2
120°	8.1	7.2	4.5	3.6	2.7	2.7	2.7	2.7	3.6	4.5	7.2
122.5°	7.2	7.2	4.5	3.6	2.7	2.7	2.7	2.7	2.7	4.5	7.2
125°	7.2	7.2	4.5	3.6	2.7	2.7	1.8	2.7	2.7	4.5	6.3
127.5°	7.2	6.3	4.5	2.7	2.7	1.8	1.8	1.8	2.7	3.6	6.3
130°	6.3	6.3	4.5	2.7	1.8	1.8	1.8	1.8	1.8	3.6	5.4
132.5°	5.4	5.4	3.6	2.7	1.8	1.8	1.8	1.8	1.8	2.7	4.5
135°	4.5	4.5	3.6	2.7	1.8	2.7	1.8	1.8	1.8	1.8	3.6
137.5°	4.5	4.5	3.6	2.7	1.8	2.7	1.8	1.8	1.8	1.8	2.7
140°	4.5	4.5	3.6	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
142.5°	4.5	4.5	3.6	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7
145°	4.5	4.5	4.5	3.6	2.7	2.7	1.8	1.8	2.7	2.7	3.6
147.5°	5.4	5.4	4.5	3.6	2.7	1.8	1.8	1.8	2.7	3.6	3.6
150°	4.5	4.5	3.6	2.7	2.7	1.8	0.9	0.9	1.8	3.6	3.6
152.5°	3.6	3.6	2.7	1.8	1.8	0.9	0.0	0.9	1.8	2.7	3.6
155°	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	1.8	2.7
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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: P417049

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	3.6
2.5°	3.6
5°	3.6
7.5°	4.5
10°	7.2
12.5°	72.1
15°	155.1
17.5°	174.0
20°	315.6
22.5°	355.3
25°	419.3
27.5°	547.4
30°	581.6
32.5°	774.6
35°	816.1
37.5°	872.0
40°	932.4
42.5°	1009.9
45°	1106.4
47.5°	1218.2
50°	1329.2
52.5°	1462.6
55°	1616.8
57.5°	1763.8
60°	1932.4
62.5°	2102.0
65°	2312.1
67.5°	2477.1
70°	2658.3
72°	2726.0
72.5°	2709.7
75°	2518.6
77.5°	2036.1
80°	1034.3
82.5°	366.1
85°	224.5
87.5°	171.3
90°	161.4
92.5°	172.2
95°	183.1
97.5°	97.4
100°	14.4
102.5°	14.4
105°	14.4
107.5°	14.4



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CANDELA DISTRIBUTION (continued):

	90°
110°	11.7
112.5°	8.1
115°	8.1
117.5°	8.1
120°	8.1
122.5°	8.1
125°	7.2
127.5°	6.3
130°	5.4
132.5°	4.5
135°	3.6
137.5°	2.7
140°	2.7
142.5°	2.7
145°	3.6
147.5°	3.6
150°	3.6
152.5°	3.6
155°	2.7
157.5°	0.9
160°	0.9
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)