

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: P413825

Luminaire Tested: **LXF.LXT-PA1-100-740-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413825
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-PA1-100-740-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA 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: 10306.1 lumens
Efficiency: N/A
Efficacy: 107.4 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: B4 - U3 - G3

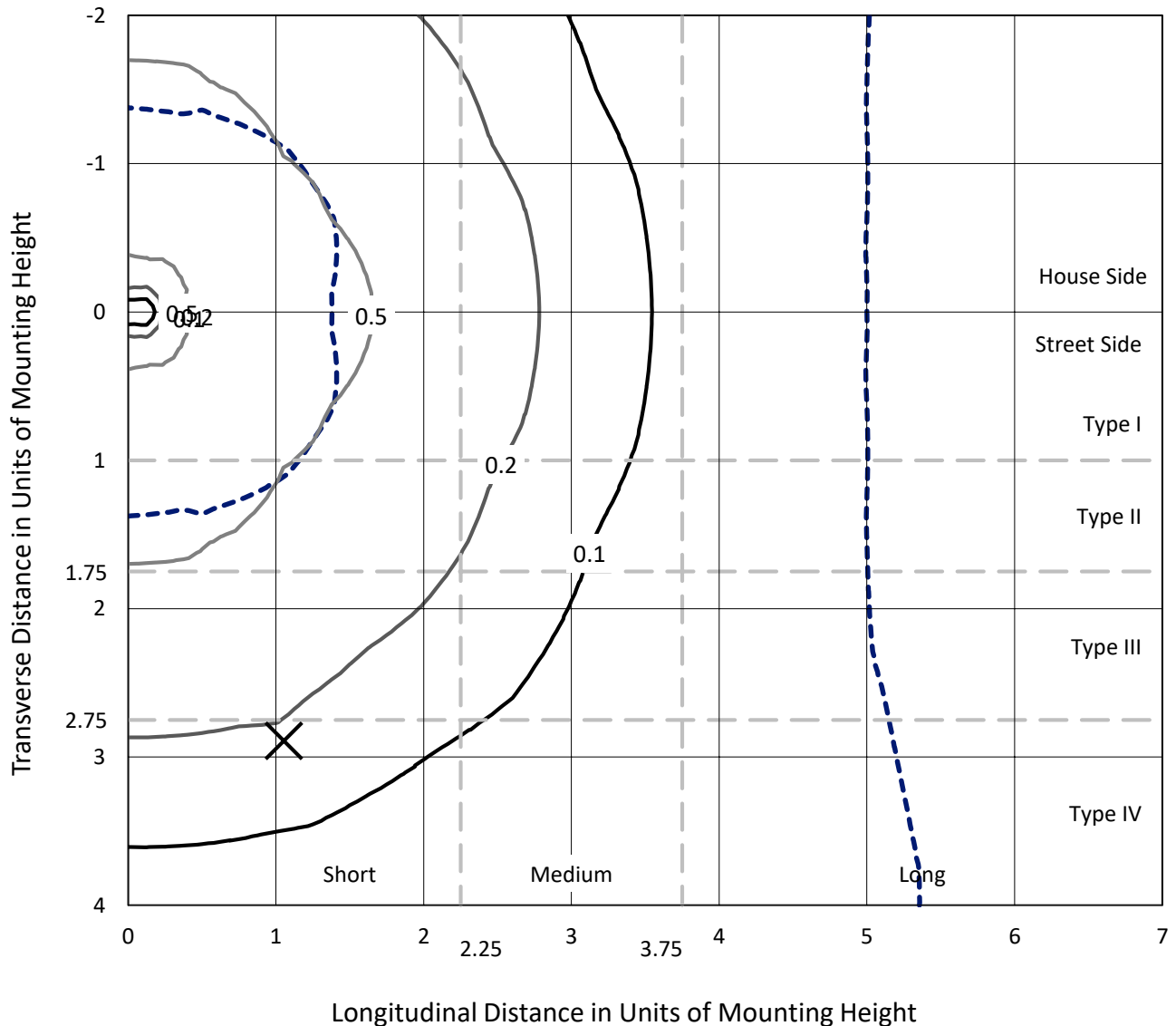
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413825
 CATALOG NUMBER: LXF.LXT-PA1-100-740-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

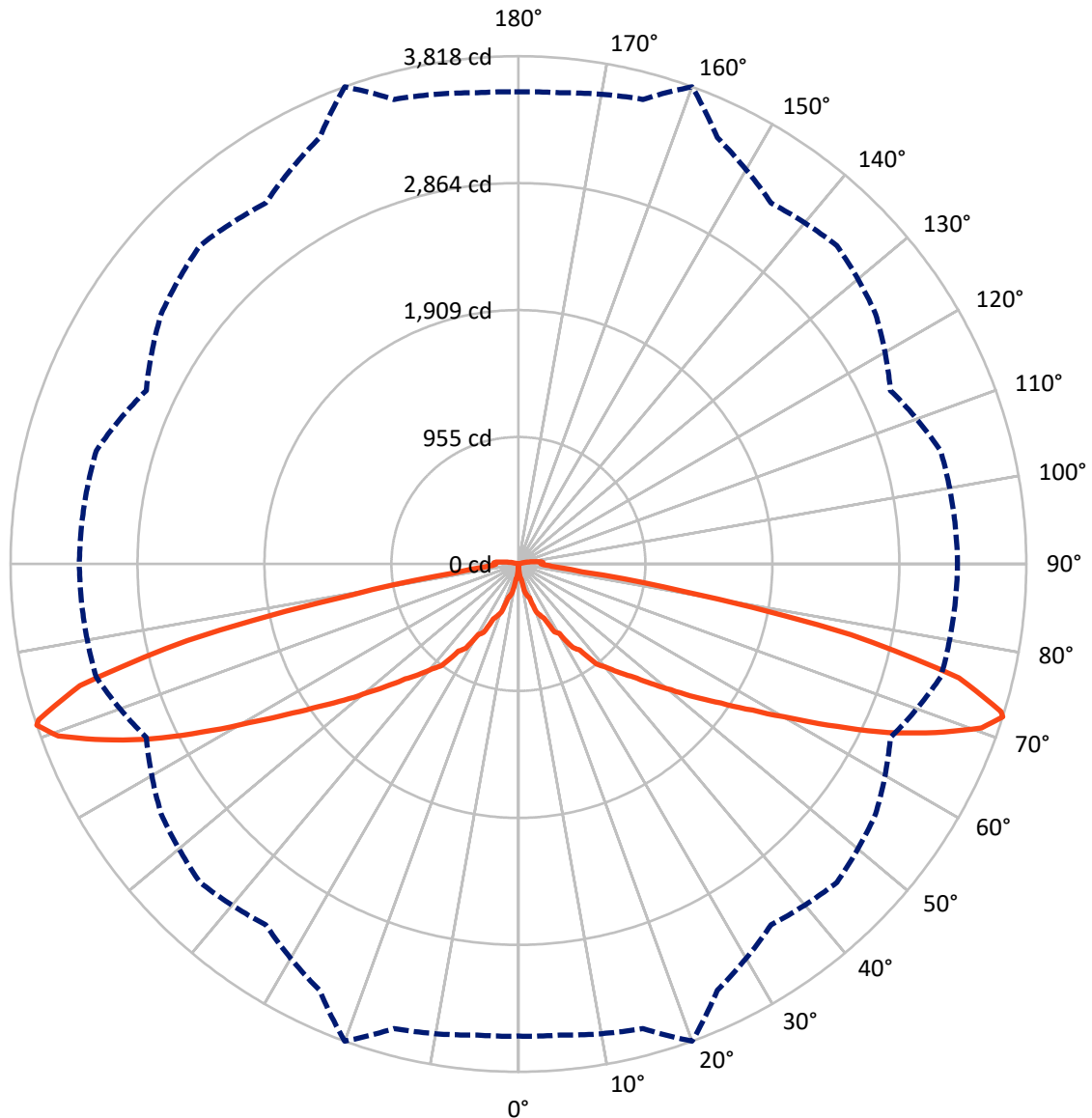
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P413825
CATALOG NUMBER: LXF.LXT-PA1-100-740-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-PA1-100-740-U-5WQ-CL

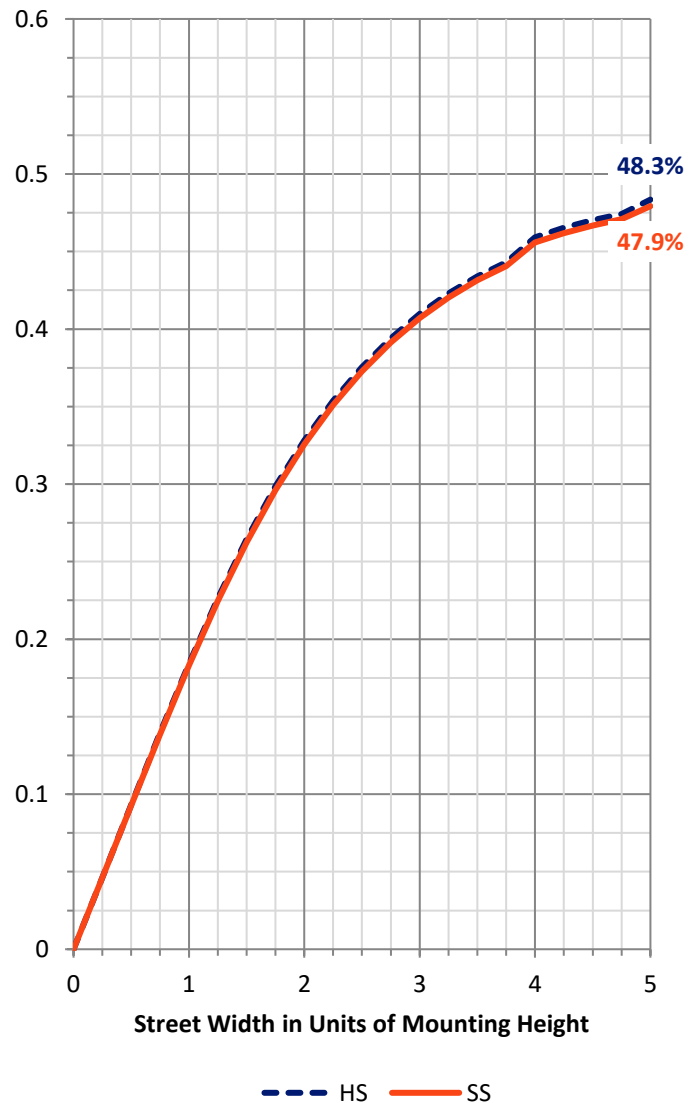
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5033.2	119.8	5153.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	5033.2	119.8	5153.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	10066.5	239.6	10306.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	56.5	0.5
20°-30°	223.3	2.2
30°-40°	517.0	5.0
40°-50°	940.9	9.1
50°-60°	1668.3	16.2
60°-70°	2822.0	27.4
70°-80°	3135.6	30.4
80°-90°	699.1	6.8
90°-100°	194.6	1.9
100°-110°	28.7	0.3
110°-120°	6.7	0.1
120°-130°	4.2	0.0
130°-140°	2.6	0.0
140°-150°	2.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10066.5	97.7
0°-180°	10306.1	100.0



REPORT NUMBER: P413825

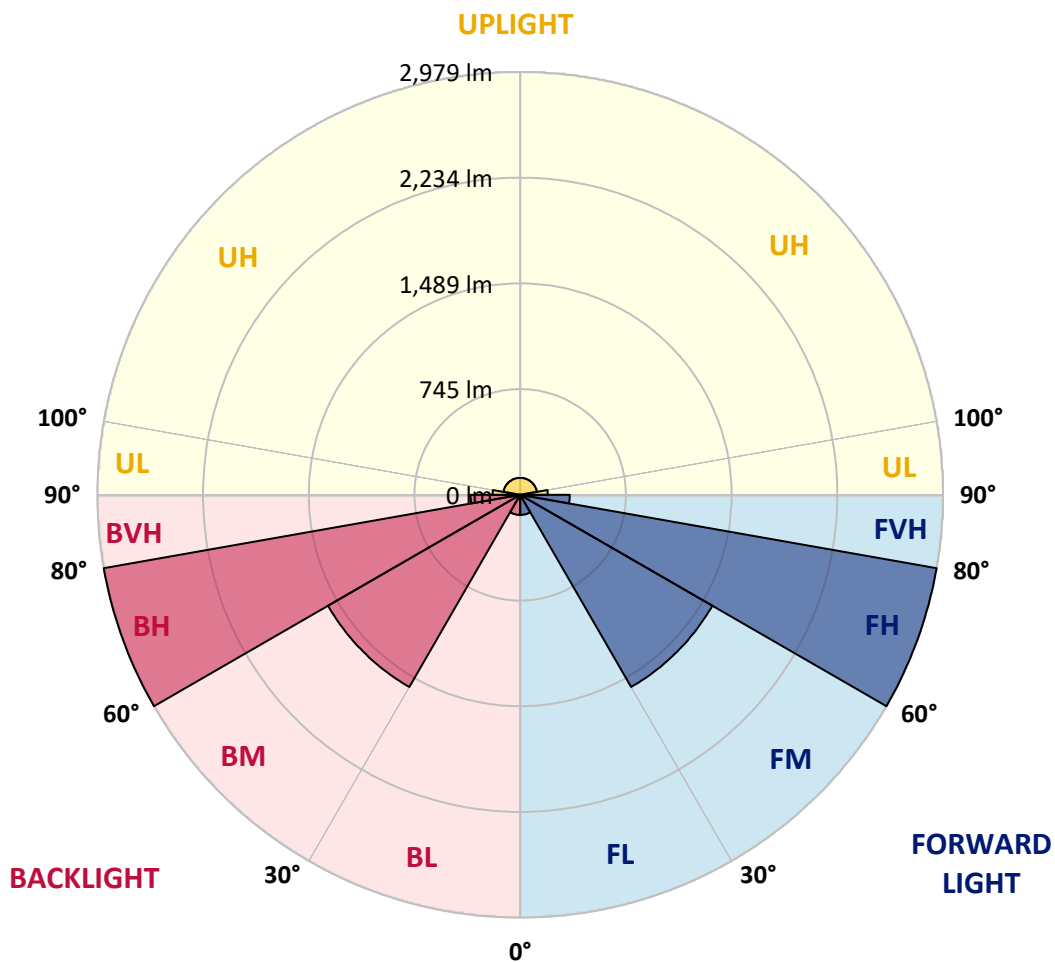
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.8	1.4			
FM (30°-60°)	1563.1	15.2			
FH (60°-80°)	2978.8	28.9			G2/5000
FVH (80°-90°)	349.5	3.4			G3/500
BL (0°-30°)	141.8	1.4	B1/500		
BM (30°-60°)	1563.1	15.2	B2/2500		
BH (60°-80°)	2978.8	28.9	B4/5000		G2/5000
BVH (80°-90°)	349.5	3.4			G3/500
UL (90°-100°)	194.6	1.9		U3/500	
UH (100°-180°)	119.8	1.2		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	5.5	5.5	5.5	6.6	4.4	5.5	4.4	4.4	4.4	4.4	4.4
5°	48.0	46.9	43.7	80.8	38.2	19.7	10.9	6.6	4.4	4.4	4.4
7.5°	102.6	101.5	98.3	108.1	81.9	62.2	49.1	32.8	8.7	5.5	5.5
10°	123.4	122.3	117.9	119.0	114.6	111.4	91.7	55.7	25.1	8.7	8.7
12.5°	184.5	183.4	175.8	214.0	148.5	123.4	114.6	97.2	54.6	43.7	85.2
15°	252.2	252.2	241.3	246.7	204.2	180.1	133.2	167.0	183.4	174.7	186.7
17.5°	280.6	279.5	268.6	266.4	255.5	234.7	230.4	242.4	235.8	209.6	210.7
20°	357.0	355.9	341.7	383.2	316.6	266.4	331.9	290.4	267.5	304.6	353.7
22.5°	429.1	428.0	417.1	419.2	383.2	392.0	362.5	336.3	397.4	411.6	424.7
25°	508.8	505.5	462.9	454.2	423.6	464.0	416.0	483.7	442.2	461.8	496.8
27.5°	597.2	592.8	572.1	578.6	519.7	502.2	530.6	516.4	543.7	628.9	647.4
30°	654.0	628.9	610.3	607.0	619.0	562.3	584.1	598.3	627.8	664.9	697.7
32.5°	786.1	780.6	709.7	747.9	676.9	670.4	624.5	672.5	672.5	816.7	914.9
35°	845.0	839.6	819.9	794.8	777.4	717.3	739.1	723.9	835.2	888.7	970.6
37.5°	1049.2	1043.8	940.0	953.1	847.2	813.4	790.5	849.4	893.1	948.8	1043.8
40°	1128.9	1124.5	1083.1	1024.1	984.8	887.6	859.2	908.4	961.9	1023.0	1120.2
42.5°	1223.9	1220.6	1171.5	1116.9	1077.6	994.6	964.1	968.4	1033.9	1124.5	1219.5
45°	1337.4	1337.4	1305.8	1211.9	1173.7	1114.7	1065.6	1071.0	1132.2	1241.4	1339.6
47.5°	1467.4	1465.2	1446.6	1341.8	1312.3	1222.8	1183.5	1201.0	1247.9	1369.1	1472.8
50°	1619.1	1608.2	1607.1	1487.0	1451.0	1359.3	1322.2	1351.6	1380.0	1500.1	1612.6
52.5°	1775.3	1778.5	1779.6	1661.7	1625.7	1547.1	1493.6	1525.2	1525.2	1651.9	1775.3
55°	1960.9	1968.5	1963.0	1846.2	1851.7	1766.5	1693.4	1732.7	1718.5	1839.7	1949.9
57.5°	2200.0	2197.8	2208.7	2074.4	2091.9	2023.1	1940.1	1965.2	1943.4	2042.7	2141.0
60°	2439.1	2439.1	2467.4	2350.6	2397.6	2293.9	2240.4	2253.5	2175.9	2258.9	2346.3
62.5°	2688.0	2690.2	2731.7	2692.4	2703.3	2593.0	2559.2	2538.4	2391.0	2499.1	2559.2
65°	2940.2	2943.5	3012.2	3054.8	2974.0	2873.6	2844.1	2793.9	2635.6	2788.4	2799.4
67.5°	3195.7	3209.9	3291.7	3382.4	3259.0	3072.3	3114.9	3024.3	2860.5	3006.8	2999.1
70°	3476.3	3486.1	3541.8	3693.5	3471.9	3231.7	3277.6	3211.0	3016.6	3198.9	3213.1
72°	3549.4	3556.0	3616.0	3818.0	3536.3	3311.4	3385.6	3278.6	3086.5	3286.3	3297.2
72.5°	3545.0	3554.9	3604.0	3794.0	3534.1	3325.6	3405.3	3286.3	3085.4	3280.8	3279.7
75°	3212.0	3235.0	3310.3	3420.6	3339.8	3297.2	3467.5	3240.4	2962.0	3070.1	3045.0
77.5°	2357.2	2374.6	2483.8	2553.7	2713.1	2999.1	3305.9	2976.2	2589.7	2540.6	2457.6
80°	1156.2	1149.7	1369.1	1269.8	1730.5	2294.9	2743.7	2355.0	1830.9	1490.3	1276.3
82.5°	390.9	413.8	503.3	484.8	769.7	1324.3	1857.1	1454.3	848.3	577.6	477.1
85°	220.5	228.2	277.3	266.4	313.3	514.2	955.3	661.6	371.2	310.1	276.2
87.5°	194.3	197.6	195.4	192.2	207.4	288.2	289.3	299.2	227.1	210.7	211.8
90°	196.5	198.7	178.0	170.3	182.3	241.3	268.6	254.4	185.6	181.2	198.7
92.5°	212.9	215.1	193.2	185.6	195.4	247.8	276.2	262.0	187.8	193.2	211.8
95°	194.3	196.5	178.0	170.3	181.2	230.4	258.8	253.3	179.1	197.6	224.9
97.5°	124.5	125.6	124.5	124.5	143.0	174.7	182.3	172.5	119.0	121.2	123.4
100°	49.1	39.3	55.7	81.9	101.5	102.6	98.3	90.6	76.4	50.2	25.1
102.5°	16.4	16.4	38.2	53.5	60.0	48.0	38.2	38.2	44.8	31.7	16.4
105°	16.4	16.4	20.7	25.1	25.1	13.1	12.0	19.7	28.4	16.4	16.4
107.5°	15.3	16.4	10.9	9.8	8.7	8.7	8.7	8.7	10.9	12.0	16.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	13.1	13.1	8.7	8.7	7.6	6.6	8.7	7.6	8.7	9.8	13.1
112.5°	9.8	10.9	6.6	6.6	6.6	5.5	7.6	6.6	6.6	7.6	8.7
115°	9.8	9.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.6	8.7
117.5°	9.8	8.7	5.5	4.4	4.4	4.4	4.4	4.4	4.4	6.6	8.7
120°	9.8	8.7	5.5	4.4	3.3	3.3	3.3	3.3	4.4	5.5	8.7
122.5°	8.7	8.7	5.5	4.4	3.3	3.3	3.3	3.3	3.3	5.5	8.7
125°	8.7	8.7	5.5	4.4	3.3	3.3	2.2	3.3	3.3	5.5	7.6
127.5°	8.7	7.6	5.5	3.3	3.3	2.2	2.2	2.2	3.3	4.4	7.6
130°	7.6	7.6	5.5	3.3	2.2	2.2	2.2	2.2	2.2	4.4	6.6
132.5°	6.6	6.6	4.4	3.3	2.2	2.2	2.2	2.2	2.2	3.3	5.5
135°	5.5	5.5	4.4	3.3	2.2	3.3	2.2	2.2	2.2	2.2	4.4
137.5°	5.5	5.5	4.4	3.3	2.2	3.3	2.2	2.2	2.2	2.2	3.3
140°	5.5	5.5	4.4	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3
142.5°	5.5	5.5	4.4	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3
145°	5.5	5.5	5.5	4.4	3.3	3.3	2.2	2.2	3.3	3.3	4.4
147.5°	6.6	6.6	5.5	4.4	3.3	2.2	2.2	2.2	3.3	4.4	4.4
150°	5.5	5.5	4.4	3.3	3.3	2.2	1.1	1.1	2.2	4.4	4.4
152.5°	4.4	4.4	3.3	2.2	2.2	1.1	0.0	1.1	2.2	3.3	4.4
155°	3.3	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	2.2	3.3
157.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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: P413825

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	4.4
2.5°	4.4
5°	4.4
7.5°	5.5
10°	8.7
12.5°	87.3
15°	187.8
17.5°	210.7
20°	382.1
22.5°	430.2
25°	507.7
27.5°	662.7
30°	704.2
32.5°	937.8
35°	988.1
37.5°	1055.8
40°	1128.9
42.5°	1222.8
45°	1339.6
47.5°	1475.0
50°	1609.3
52.5°	1770.9
55°	1957.6
57.5°	2135.5
60°	2339.7
62.5°	2545.0
65°	2799.4
67.5°	2999.1
70°	3218.6
72°	3300.5
72.5°	3280.8
75°	3049.4
77.5°	2465.3
80°	1252.3
82.5°	443.3
85°	271.9
87.5°	207.4
90°	195.4
92.5°	208.5
95°	221.6
97.5°	117.9
100°	17.5
102.5°	17.5
105°	17.5
107.5°	17.5



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CANDELA DISTRIBUTION (continued):

	90°
110°	14.2
112.5°	9.8
115°	9.8
117.5°	9.8
120°	9.8
122.5°	9.8
125°	8.7
127.5°	7.6
130°	6.6
132.5°	5.5
135°	4.4
137.5°	3.3
140°	3.3
142.5°	3.3
145°	4.4
147.5°	4.4
150°	4.4
152.5°	4.4
155°	3.3
157.5°	1.1
160°	1.1
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)