

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: P414969

Luminaire Tested: **LXF.LXT-PA1-40-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414969
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-PA1-40-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 4322 lumens
Efficiency: N/A
Efficacy: 108.0 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 (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

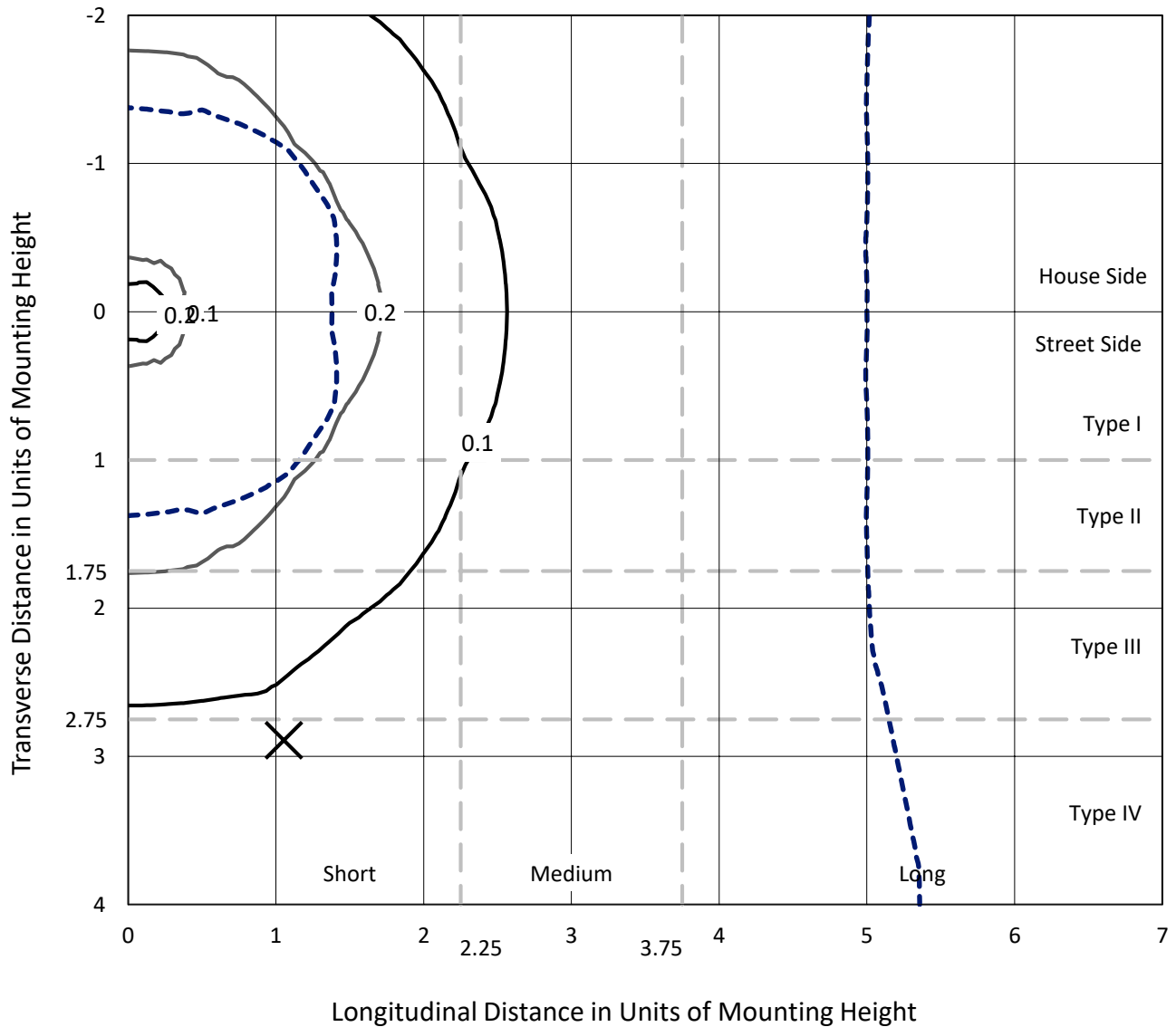




REPORT NUMBER: P414969
 CATALOG NUMBER: LXF.LXT-PA1-40-727-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

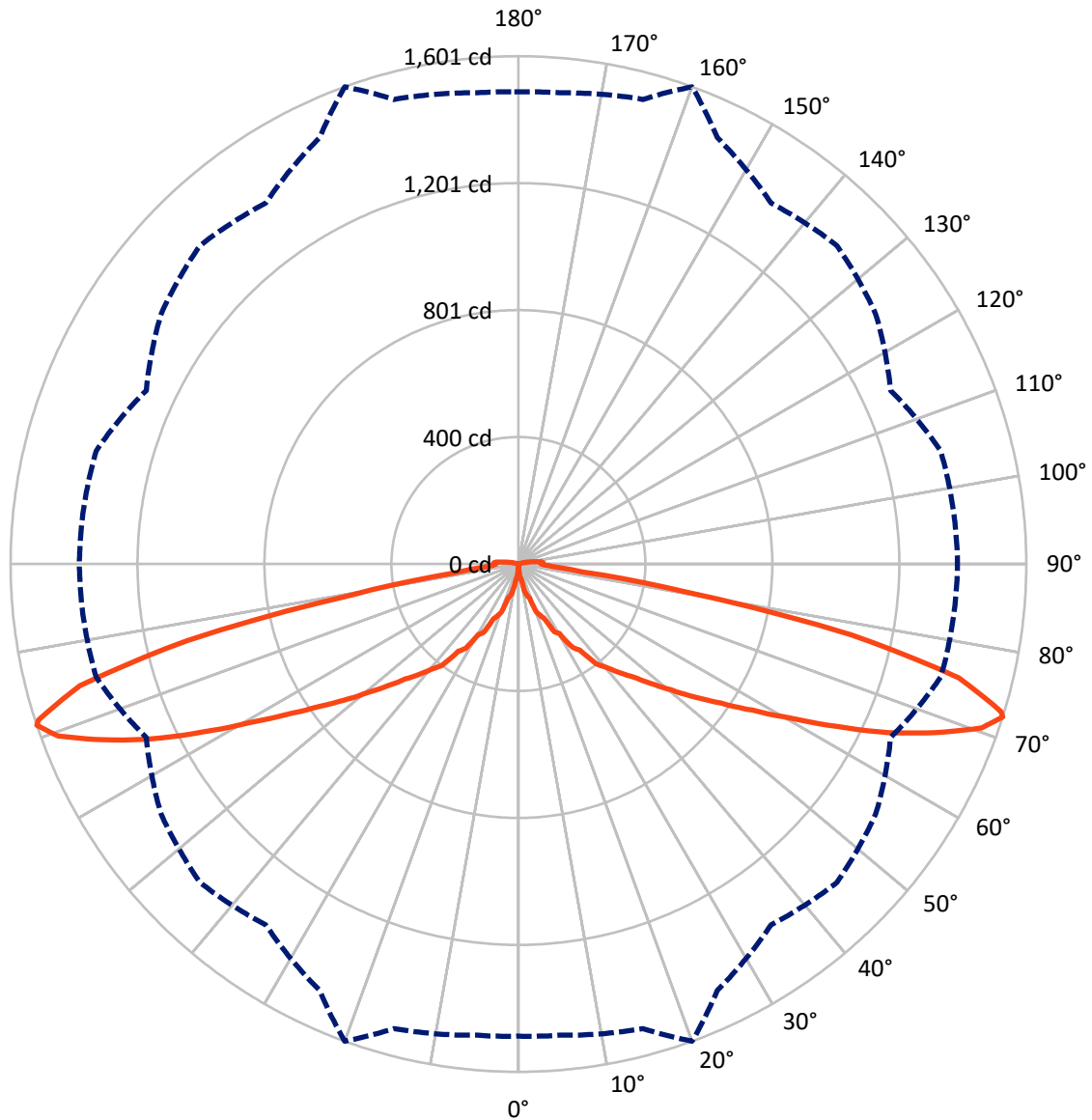
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P414969
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-5WQ-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414969

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-5WQ-CL

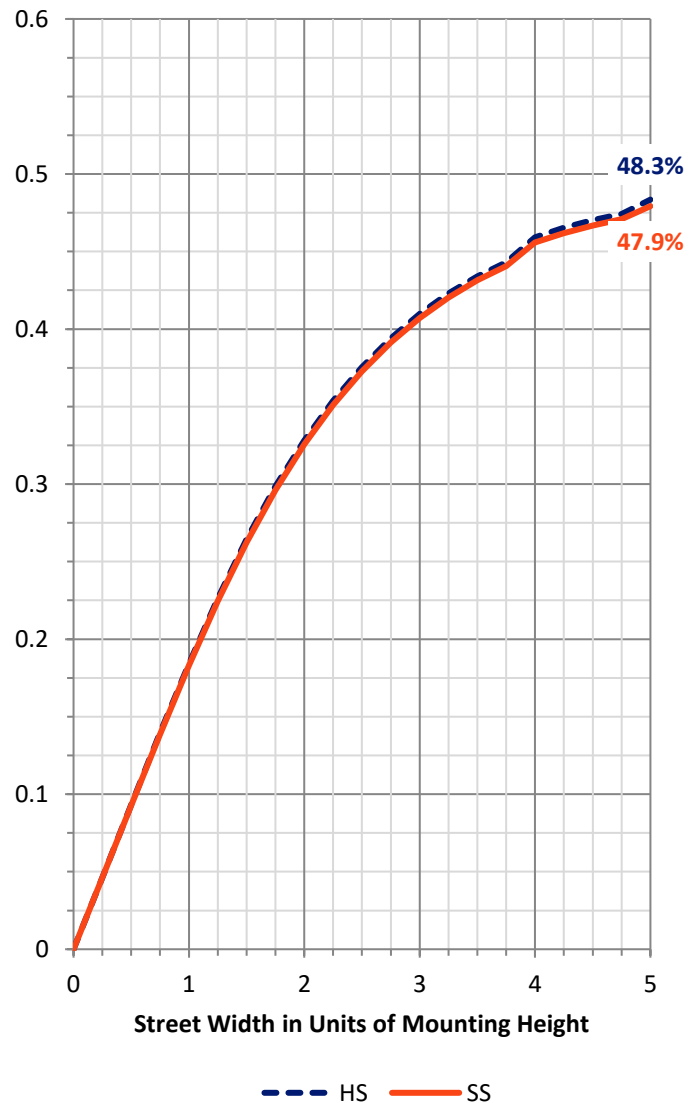
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2110.8	50.2	2161.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2110.8	50.2	2161.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	4221.5	100.4	4322.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	23.7	0.5
20°-30°	93.6	2.2
30°-40°	216.8	5.0
40°-50°	394.6	9.1
50°-60°	699.6	16.2
60°-70°	1183.5	27.4
70°-80°	1315.0	30.4
80°-90°	293.2	6.8
90°-100°	81.6	1.9
100°-110°	12.0	0.3
110°-120°	2.8	0.1
120°-130°	1.8	0.0
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4221.5	97.7
0°-180°	4322.0	100.0



REPORT NUMBER: P414969

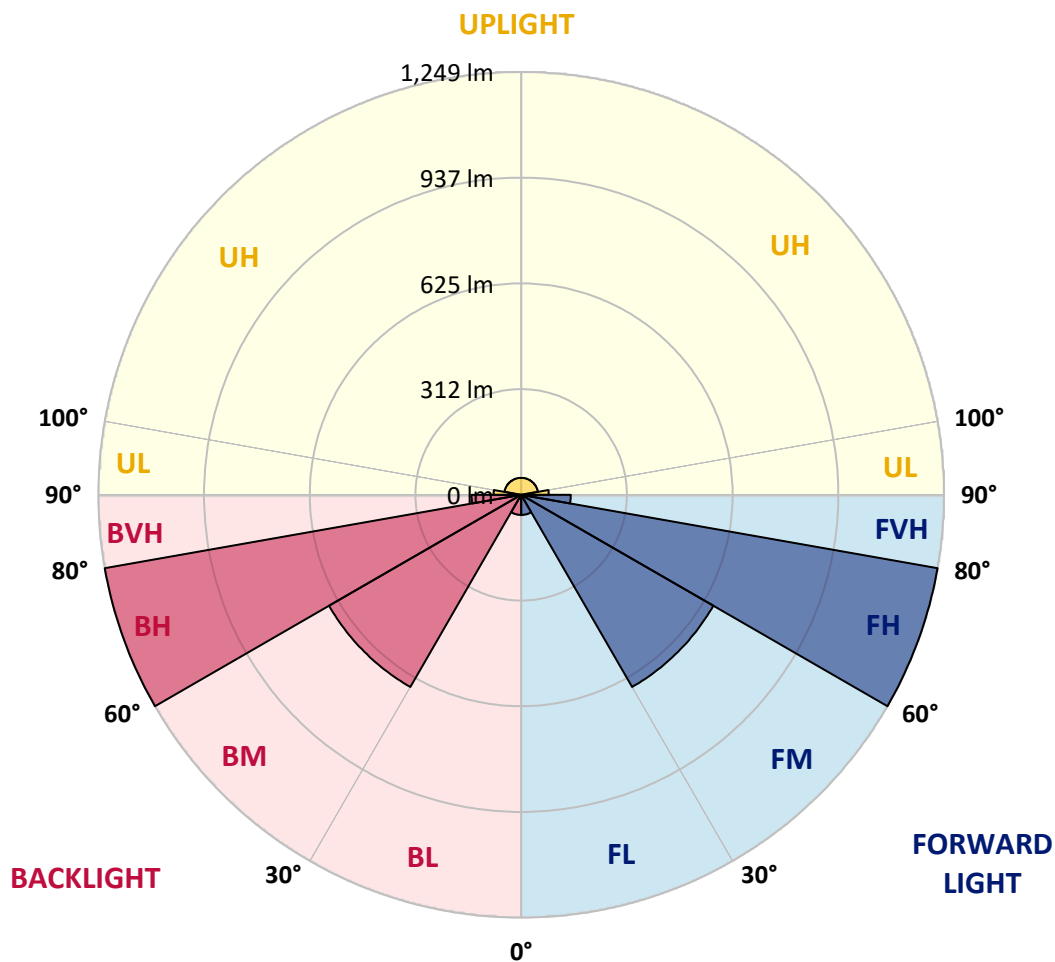
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.5	1.4			
FM (30°-60°)	655.5	15.2			
FH (60°-80°)	1249.2	28.9			G1/1800
FVH (80°-90°)	146.6	3.4			G2/225
BL (0°-30°)	59.5	1.4	B0/110		
BM (30°-60°)	655.5	15.2	B1/1000		
BH (60°-80°)	1249.2	28.9	B3/2500		G1/1800
BVH (80°-90°)	146.6	3.4			G2/225
UL (90°-100°)	81.6	1.9		U3/500	
UH (100°-180°)	50.2	1.2		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.3	2.3	2.3	2.7	1.8	2.3	1.8	1.8	1.8	1.8	1.8
5°	20.1	19.7	18.3	33.9	16.0	8.2	4.6	2.7	1.8	1.8	1.8
7.5°	43.0	42.6	41.2	45.3	34.3	26.1	20.6	13.7	3.7	2.3	2.3
10°	51.7	51.3	49.4	49.9	48.1	46.7	38.5	23.4	10.5	3.7	3.7
12.5°	77.4	76.9	73.7	89.7	62.3	51.7	48.1	40.7	22.9	18.3	35.7
15°	105.8	105.8	101.2	103.5	85.6	75.5	55.9	70.1	76.9	73.3	78.3
17.5°	117.7	117.2	112.6	111.7	107.1	98.4	96.6	101.6	98.9	87.9	88.4
20°	149.7	149.3	143.3	160.7	132.8	111.7	139.2	121.8	112.2	127.7	148.3
22.5°	179.9	179.5	174.9	175.8	160.7	164.4	152.0	141.0	166.7	172.6	178.1
25°	213.4	212.0	194.1	190.5	177.7	194.6	174.4	202.8	185.4	193.7	208.3
27.5°	250.5	248.6	239.9	242.7	217.9	210.6	222.5	216.6	228.0	263.7	271.5
30°	274.3	263.7	255.9	254.6	259.6	235.8	245.0	250.9	263.3	278.8	292.6
32.5°	329.7	327.4	297.6	313.6	283.9	281.1	261.9	282.0	282.0	342.5	383.7
35°	354.4	352.1	343.9	333.3	326.0	300.8	310.0	303.6	350.3	372.7	407.0
37.5°	440.0	437.7	394.2	399.7	355.3	341.1	331.5	356.2	374.5	397.9	437.7
40°	473.4	471.6	454.2	429.5	413.0	372.2	360.3	380.9	403.4	429.0	469.8
42.5°	513.3	511.9	491.3	468.4	451.9	417.1	404.3	406.1	433.6	471.6	511.4
45°	560.9	560.9	547.6	508.2	492.2	467.5	446.9	449.2	474.8	520.6	561.8
47.5°	615.4	614.4	606.7	562.7	550.3	512.8	496.3	503.6	523.3	574.2	617.7
50°	679.0	674.4	674.0	623.6	608.5	570.0	554.5	566.8	578.7	629.1	676.3
52.5°	744.5	745.9	746.3	696.9	681.8	648.8	626.4	639.6	639.6	692.7	744.5
55°	822.3	825.5	823.2	774.2	776.5	740.8	710.1	726.6	720.7	771.5	817.7
57.5°	922.6	921.7	926.3	869.9	877.3	848.4	813.6	824.2	815.0	856.7	897.9
60°	1022.9	1022.9	1034.8	985.8	1005.5	962.0	939.5	945.0	912.5	947.3	983.9
62.5°	1127.3	1128.2	1145.6	1129.1	1133.7	1087.4	1073.2	1064.5	1002.7	1048.0	1073.2
65°	1233.0	1234.4	1263.2	1281.1	1247.2	1205.1	1192.7	1171.7	1105.3	1169.4	1174.0
67.5°	1340.2	1346.1	1380.5	1418.5	1366.7	1288.4	1306.3	1268.3	1199.6	1260.9	1257.7
70°	1457.8	1462.0	1485.3	1548.9	1456.0	1355.3	1374.5	1346.6	1265.1	1341.5	1347.5
72°	1488.5	1491.3	1516.4	1601.1	1483.0	1388.7	1419.8	1375.0	1294.4	1378.2	1382.7
72.5°	1486.7	1490.8	1511.4	1591.1	1482.1	1394.6	1428.1	1378.2	1293.9	1375.9	1375.4
75°	1347.0	1356.6	1388.2	1434.5	1400.6	1382.7	1454.2	1358.9	1242.2	1287.5	1277.0
77.5°	988.5	995.8	1041.6	1070.9	1137.8	1257.7	1386.4	1248.1	1086.0	1065.4	1030.6
80°	484.9	482.1	574.2	532.5	725.7	962.4	1150.6	987.6	767.8	625.0	535.2
82.5°	163.9	173.5	211.1	203.3	322.8	555.4	778.8	609.9	355.8	242.2	200.1
85°	92.5	95.7	116.3	111.7	131.4	215.7	400.6	277.5	155.7	130.0	115.8
87.5°	81.5	82.9	82.0	80.6	87.0	120.9	121.3	125.5	95.2	88.4	88.8
90°	82.4	83.3	74.6	71.4	76.5	101.2	112.6	106.7	77.8	76.0	83.3
92.5°	89.3	90.2	81.0	77.8	82.0	103.9	115.8	109.9	78.8	81.0	88.8
95°	81.5	82.4	74.6	71.4	76.0	96.6	108.5	106.2	75.1	82.9	94.3
97.5°	52.2	52.7	52.2	52.2	60.0	73.3	76.5	72.3	49.9	50.8	51.7
100°	20.6	16.5	23.4	34.3	42.6	43.0	41.2	38.0	32.1	21.1	10.5
102.5°	6.9	6.9	16.0	22.4	25.2	20.1	16.0	16.0	18.8	13.3	6.9
105°	6.9	6.9	8.7	10.5	10.5	5.5	5.0	8.2	11.9	6.9	6.9
107.5°	6.4	6.9	4.6	4.1	3.7	3.7	3.7	3.7	4.6	5.0	6.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	5.5	5.5	3.7	3.7	3.2	2.7	3.7	3.2	3.7	4.1	5.5
112.5°	4.1	4.6	2.7	2.7	2.7	2.3	3.2	2.7	2.7	3.2	3.7
115°	4.1	4.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.7	3.7
117.5°	4.1	3.7	2.3	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.7
120°	4.1	3.7	2.3	1.8	1.4	1.4	1.4	1.4	1.8	2.3	3.7
122.5°	3.7	3.7	2.3	1.8	1.4	1.4	1.4	1.4	1.4	2.3	3.7
125°	3.7	3.7	2.3	1.8	1.4	1.4	0.9	1.4	1.4	2.3	3.2
127.5°	3.7	3.2	2.3	1.4	1.4	0.9	0.9	0.9	1.4	1.8	3.2
130°	3.2	3.2	2.3	1.4	0.9	0.9	0.9	0.9	0.9	1.8	2.7
132.5°	2.7	2.7	1.8	1.4	0.9	0.9	0.9	0.9	0.9	1.4	2.3
135°	2.3	2.3	1.8	1.4	0.9	1.4	0.9	0.9	0.9	0.9	1.8
137.5°	2.3	2.3	1.8	1.4	0.9	1.4	0.9	0.9	0.9	0.9	1.4
140°	2.3	2.3	1.8	1.4	1.4	1.4	0.9	0.9	0.9	0.9	1.4
142.5°	2.3	2.3	1.8	1.4	1.4	1.4	0.9	0.9	0.9	1.4	1.4
145°	2.3	2.3	2.3	1.8	1.4	1.4	0.9	0.9	1.4	1.4	1.8
147.5°	2.7	2.7	2.3	1.8	1.4	0.9	0.9	0.9	1.4	1.8	1.8
150°	2.3	2.3	1.8	1.4	1.4	0.9	0.5	0.5	0.9	1.8	1.8
152.5°	1.8	1.8	1.4	0.9	0.9	0.5	0.0	0.5	0.9	1.4	1.8
155°	1.4	0.9	0.9	0.5	0.5	0.0	0.0	0.0	0.5	0.9	1.4
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: P414969

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	1.8
2.5°	1.8
5°	1.8
7.5°	2.3
10°	3.7
12.5°	36.6
15°	78.8
17.5°	88.4
20°	160.3
22.5°	180.4
25°	212.9
27.5°	277.9
30°	295.3
32.5°	393.3
35°	414.4
37.5°	442.8
40°	473.4
42.5°	512.8
45°	561.8
47.5°	618.6
50°	674.9
52.5°	742.7
55°	820.9
57.5°	895.6
60°	981.2
62.5°	1067.3
65°	1174.0
67.5°	1257.7
70°	1349.8
72°	1384.1
72.5°	1375.9
75°	1278.8
77.5°	1033.9
80°	525.2
82.5°	185.9
85°	114.0
87.5°	87.0
90°	82.0
92.5°	87.5
95°	92.9
97.5°	49.4
100°	7.3
102.5°	7.3
105°	7.3
107.5°	7.3



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CANDELA DISTRIBUTION (continued):

	90°
110°	6.0
112.5°	4.1
115°	4.1
117.5°	4.1
120°	4.1
122.5°	4.1
125°	3.7
127.5°	3.2
130°	2.7
132.5°	2.3
135°	1.8
137.5°	1.4
140°	1.4
142.5°	1.4
145°	1.8
147.5°	1.8
150°	1.8
152.5°	1.8
155°	1.4
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)