

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: P414033

Luminaire Tested: **LXF.LXT-PA1-100-830-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414033
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-PA1-100-830-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 8190 lumens
Efficiency: N/A
Efficacy: 85.3 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): 96
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

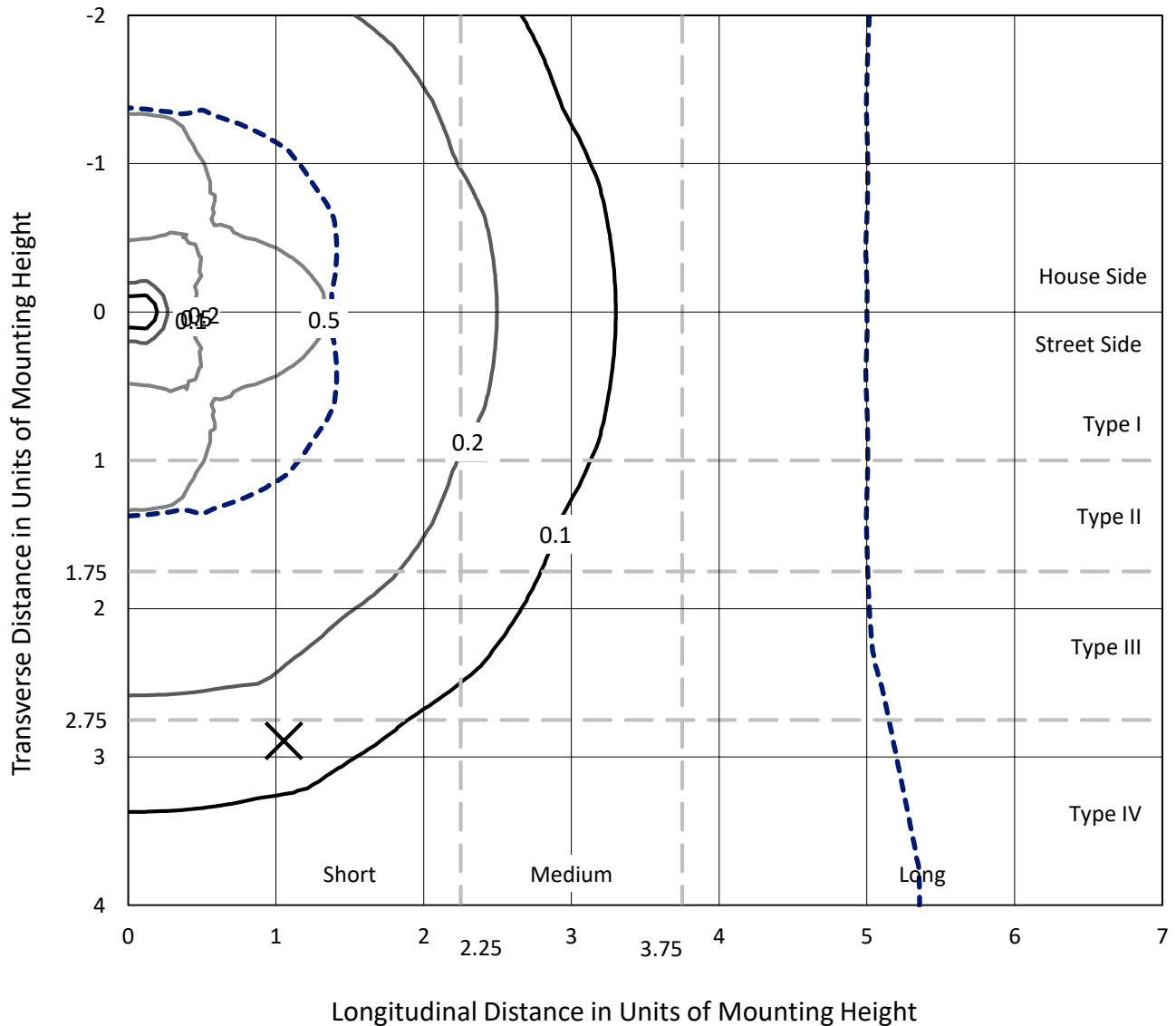


REPORT NUMBER: P414033

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

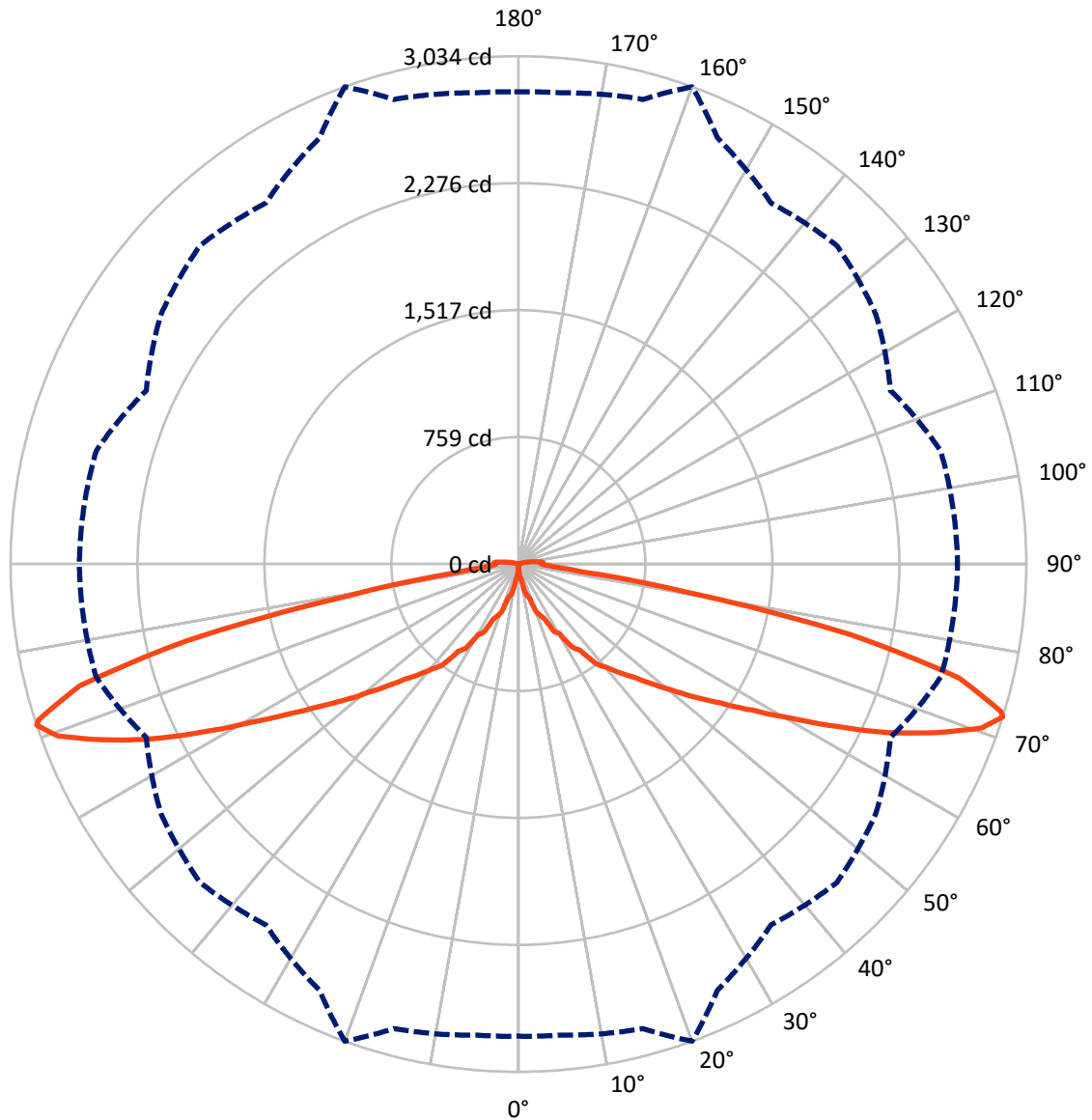
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P414033
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-5WQ-CL

Luminous Intensity Polar Plot



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



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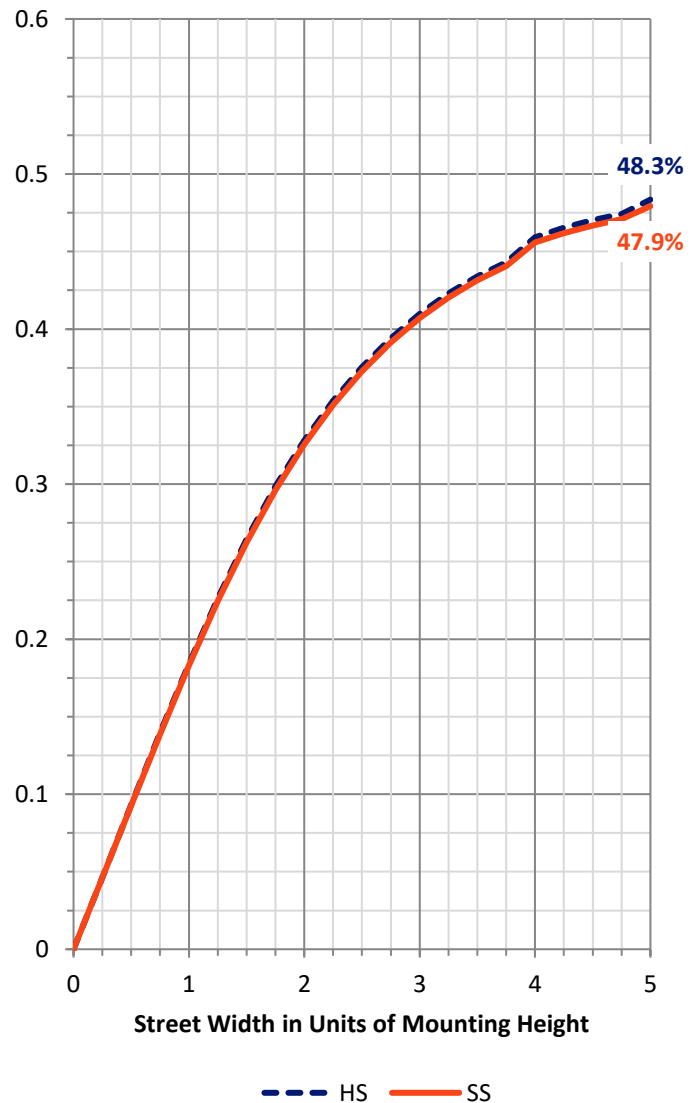
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3999.8	95.1	4095.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3999.8	95.1	4095.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	7999.7	190.3	8190.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	44.9	0.5
20°-30°	177.5	2.2
30°-40°	410.8	5.0
40°-50°	747.7	9.1
50°-60°	1325.7	16.2
60°-70°	2242.6	27.4
70°-80°	2491.8	30.4
80°-90°	555.5	6.8
90°-100°	154.6	1.9
100°-110°	22.8	0.3
110°-120°	5.3	0.1
120°-130°	3.3	0.0
130°-140°	2.0	0.0
140°-150°	1.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7999.7	97.7
0°-180°	8190.0	100.0



REPORT NUMBER: P414033

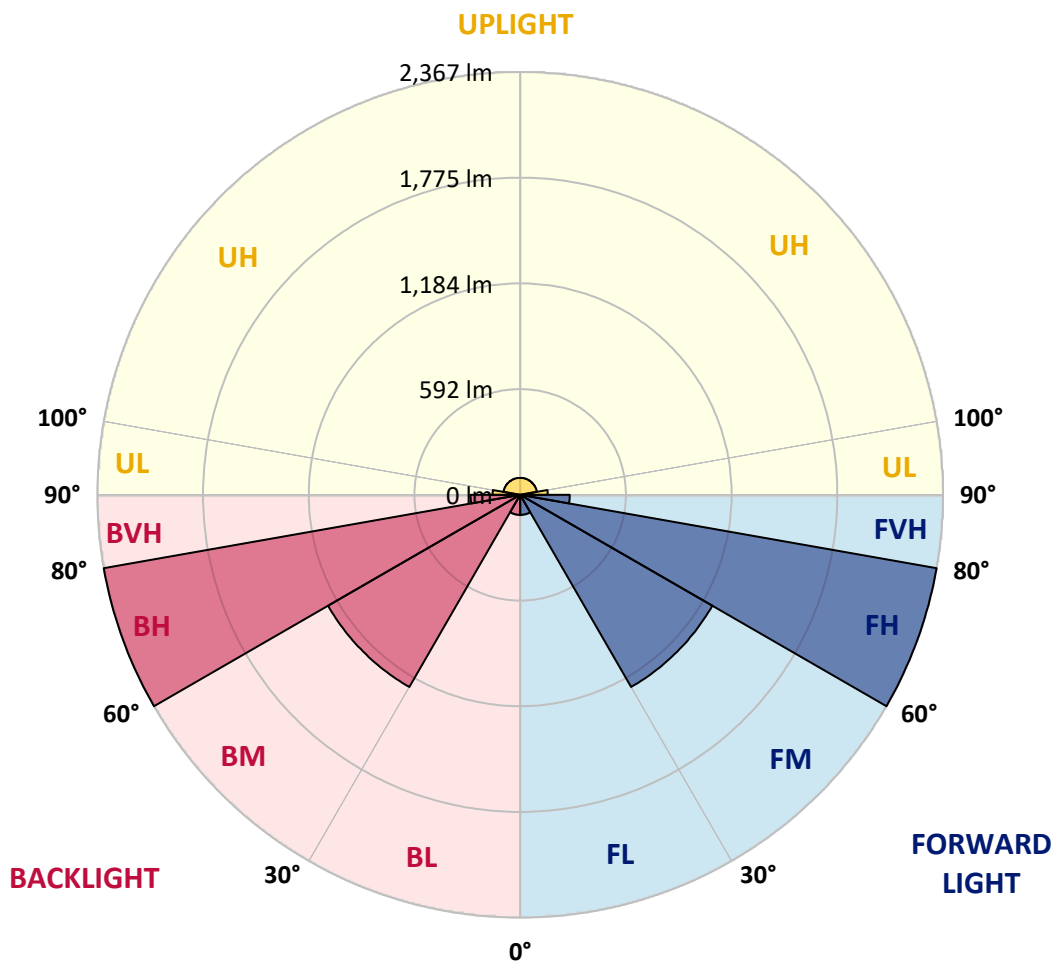
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.7	1.4			
FM (30°-60°)	1242.1	15.2			
FH (60°-80°)	2367.2	28.9			G2/5000
FVH (80°-90°)	277.8	3.4			G3/500
BL (0°-30°)	112.7	1.4	B1/500		
BM (30°-60°)	1242.1	15.2	B2/2500		
BH (60°-80°)	2367.2	28.9	B3/2500		G2/5000
BVH (80°-90°)	277.8	3.4			G3/500
UL (90°-100°)	154.6	1.9		U3/500	
UH (100°-180°)	95.1	1.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	4.3	4.3	4.3	5.2	3.5	4.3	3.5	3.5	3.5	3.5	3.5
5°	38.2	37.3	34.7	64.2	30.4	15.6	8.7	5.2	3.5	3.5	3.5
7.5°	81.6	80.7	78.1	85.9	65.1	49.5	39.0	26.0	6.9	4.3	4.3
10°	98.0	97.2	93.7	94.6	91.1	88.5	72.9	44.2	20.0	6.9	6.9
12.5°	146.6	145.8	139.7	170.1	118.0	98.0	91.1	77.2	43.4	34.7	67.7
15°	200.4	200.4	191.7	196.1	162.2	143.2	105.9	132.7	145.8	138.8	148.4
17.5°	223.0	222.1	213.4	211.7	203.0	186.5	183.1	192.6	187.4	166.6	167.5
20°	283.7	282.8	271.6	304.5	251.6	211.7	263.8	230.8	212.6	242.1	281.1
22.5°	341.0	340.1	331.4	333.2	304.5	311.5	288.1	267.2	315.8	327.1	337.5
25°	404.3	401.7	367.9	360.9	336.6	368.7	330.6	384.4	351.4	367.0	394.8
27.5°	474.6	471.1	454.6	459.8	413.0	399.1	421.7	410.4	432.1	499.8	514.5
30°	519.7	499.8	485.0	482.4	491.9	446.8	464.2	475.5	498.9	528.4	554.4
32.5°	624.7	620.4	564.0	594.3	537.9	532.7	496.3	534.5	534.5	649.0	727.1
35°	671.5	667.2	651.6	631.6	617.8	570.0	587.4	575.2	663.7	706.2	771.3
37.5°	833.8	829.5	747.0	757.4	673.3	646.4	628.2	675.0	709.7	754.0	829.5
40°	897.1	893.7	860.7	813.8	782.6	705.4	682.8	721.9	764.4	813.0	890.2
42.5°	972.6	970.0	931.0	887.6	856.3	790.4	766.1	769.6	821.6	893.7	969.1
45°	1062.8	1062.8	1037.7	963.1	932.7	885.8	846.8	851.1	899.7	986.5	1064.6
47.5°	1166.1	1164.4	1149.6	1066.3	1042.9	971.7	940.5	954.4	991.7	1088.0	1170.4
50°	1286.7	1278.0	1277.1	1181.7	1153.1	1080.2	1050.7	1074.1	1096.7	1192.1	1281.5
52.5°	1410.8	1413.4	1414.2	1320.5	1291.9	1229.4	1186.9	1212.1	1212.1	1312.7	1410.8
55°	1558.3	1564.3	1560.0	1467.2	1471.5	1403.8	1345.7	1376.9	1365.6	1462.0	1549.6
57.5°	1748.3	1746.5	1755.2	1648.5	1662.4	1607.7	1541.8	1561.7	1544.4	1623.3	1701.4
60°	1938.3	1938.3	1960.8	1868.0	1905.3	1822.9	1780.4	1790.8	1729.2	1795.1	1864.5
62.5°	2136.1	2137.8	2170.8	2139.6	2148.2	2060.6	2033.7	2017.2	1900.1	1986.0	2033.7
65°	2336.5	2339.1	2393.8	2427.6	2363.4	2283.6	2260.2	2220.3	2094.5	2215.9	2224.6
67.5°	2539.5	2550.8	2615.9	2687.9	2589.9	2441.5	2475.3	2403.3	2273.2	2389.4	2383.4
70°	2762.5	2770.3	2814.6	2935.2	2759.1	2568.2	2604.6	2551.7	2397.3	2542.1	2553.4
72°	2820.7	2825.9	2873.6	3034.1	2810.2	2631.5	2690.5	2605.5	2452.8	2611.6	2620.2
72.5°	2817.2	2825.0	2864.0	3015.0	2808.5	2642.8	2706.1	2611.6	2451.9	2607.2	2606.4
75°	2552.6	2570.8	2630.6	2718.3	2654.1	2620.2	2755.6	2575.1	2353.9	2439.8	2419.8
77.5°	1873.2	1887.1	1973.9	2029.4	2156.1	2383.4	2627.2	2365.2	2058.0	2019.0	1953.0
80°	918.8	913.6	1088.0	1009.1	1375.2	1823.8	2180.3	1871.5	1455.0	1184.3	1014.3
82.5°	310.6	328.8	400.0	385.2	611.7	1052.4	1475.8	1155.7	674.1	459.0	379.2
85°	175.3	181.3	220.4	211.7	249.0	408.7	759.2	525.8	295.0	246.4	219.5
87.5°	154.4	157.0	155.3	152.7	164.8	229.1	229.9	237.7	180.5	167.5	168.3
90°	156.2	157.9	141.4	135.3	144.9	191.7	213.4	202.2	147.5	144.0	157.9
92.5°	169.2	170.9	153.6	147.5	155.3	197.0	219.5	208.2	149.2	153.6	168.3
95°	154.4	156.2	141.4	135.3	144.0	183.1	205.6	201.3	142.3	157.0	178.7
97.5°	98.9	99.8	98.9	98.9	113.7	138.8	144.9	137.1	94.6	96.3	98.0
100°	39.0	31.2	44.2	65.1	80.7	81.6	78.1	72.0	60.7	39.9	20.0
102.5°	13.0	13.0	30.4	42.5	47.7	38.2	30.4	30.4	35.6	25.2	13.0
105°	13.0	13.0	16.5	20.0	20.0	10.4	9.5	15.6	22.6	13.0	13.0
107.5°	12.1	13.0	8.7	7.8	6.9	6.9	6.9	6.9	8.7	9.5	13.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	10.4	10.4	6.9	6.9	6.1	5.2	6.9	6.1	6.9	7.8	10.4
112.5°	7.8	8.7	5.2	5.2	5.2	4.3	6.1	5.2	5.2	6.1	6.9
115°	7.8	7.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.2	6.9
117.5°	7.8	6.9	4.3	3.5	3.5	3.5	3.5	3.5	3.5	5.2	6.9
120°	7.8	6.9	4.3	3.5	2.6	2.6	2.6	2.6	3.5	4.3	6.9
122.5°	6.9	6.9	4.3	3.5	2.6	2.6	2.6	2.6	2.6	4.3	6.9
125°	6.9	6.9	4.3	3.5	2.6	2.6	1.7	2.6	2.6	4.3	6.1
127.5°	6.9	6.1	4.3	2.6	2.6	1.7	1.7	1.7	2.6	3.5	6.1
130°	6.1	6.1	4.3	2.6	1.7	1.7	1.7	1.7	1.7	3.5	5.2
132.5°	5.2	5.2	3.5	2.6	1.7	1.7	1.7	1.7	1.7	2.6	4.3
135°	4.3	4.3	3.5	2.6	1.7	2.6	1.7	1.7	1.7	1.7	3.5
137.5°	4.3	4.3	3.5	2.6	1.7	2.6	1.7	1.7	1.7	1.7	2.6
140°	4.3	4.3	3.5	2.6	2.6	2.6	1.7	1.7	1.7	1.7	2.6
142.5°	4.3	4.3	3.5	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6
145°	4.3	4.3	4.3	3.5	2.6	2.6	1.7	1.7	2.6	2.6	3.5
147.5°	5.2	5.2	4.3	3.5	2.6	1.7	1.7	1.7	2.6	3.5	3.5
150°	4.3	4.3	3.5	2.6	2.6	1.7	0.9	0.9	1.7	3.5	3.5
152.5°	3.5	3.5	2.6	1.7	1.7	0.9	0.0	0.9	1.7	2.6	3.5
155°	2.6	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.9	1.7	2.6
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: P414033

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	3.5
2.5°	3.5
5°	3.5
7.5°	4.3
10°	6.9
12.5°	69.4
15°	149.2
17.5°	167.5
20°	303.7
22.5°	341.8
25°	403.4
27.5°	526.6
30°	559.6
32.5°	745.3
35°	785.2
37.5°	839.0
40°	897.1
42.5°	971.7
45°	1064.6
47.5°	1172.2
50°	1278.9
52.5°	1407.3
55°	1555.7
57.5°	1697.1
60°	1859.3
62.5°	2022.4
65°	2224.6
67.5°	2383.4
70°	2557.8
72°	2622.8
72.5°	2607.2
75°	2423.3
77.5°	1959.1
80°	995.2
82.5°	352.3
85°	216.0
87.5°	164.8
90°	155.3
92.5°	165.7
95°	176.1
97.5°	93.7
100°	13.9
102.5°	13.9
105°	13.9
107.5°	13.9



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CANDELA DISTRIBUTION (continued):

	90°
110°	11.3
112.5°	7.8
115°	7.8
117.5°	7.8
120°	7.8
122.5°	7.8
125°	6.9
127.5°	6.1
130°	5.2
132.5°	4.3
135°	3.5
137.5°	2.6
140°	2.6
142.5°	2.6
145°	3.5
147.5°	3.5
150°	3.5
152.5°	3.5
155°	2.6
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)