

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: P415281

Luminaire Tested: **LXF.LXT-PA1-40-830-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415281
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-PA1-40-830-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 4107 lumens
Efficiency: N/A
Efficacy: 102.7 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

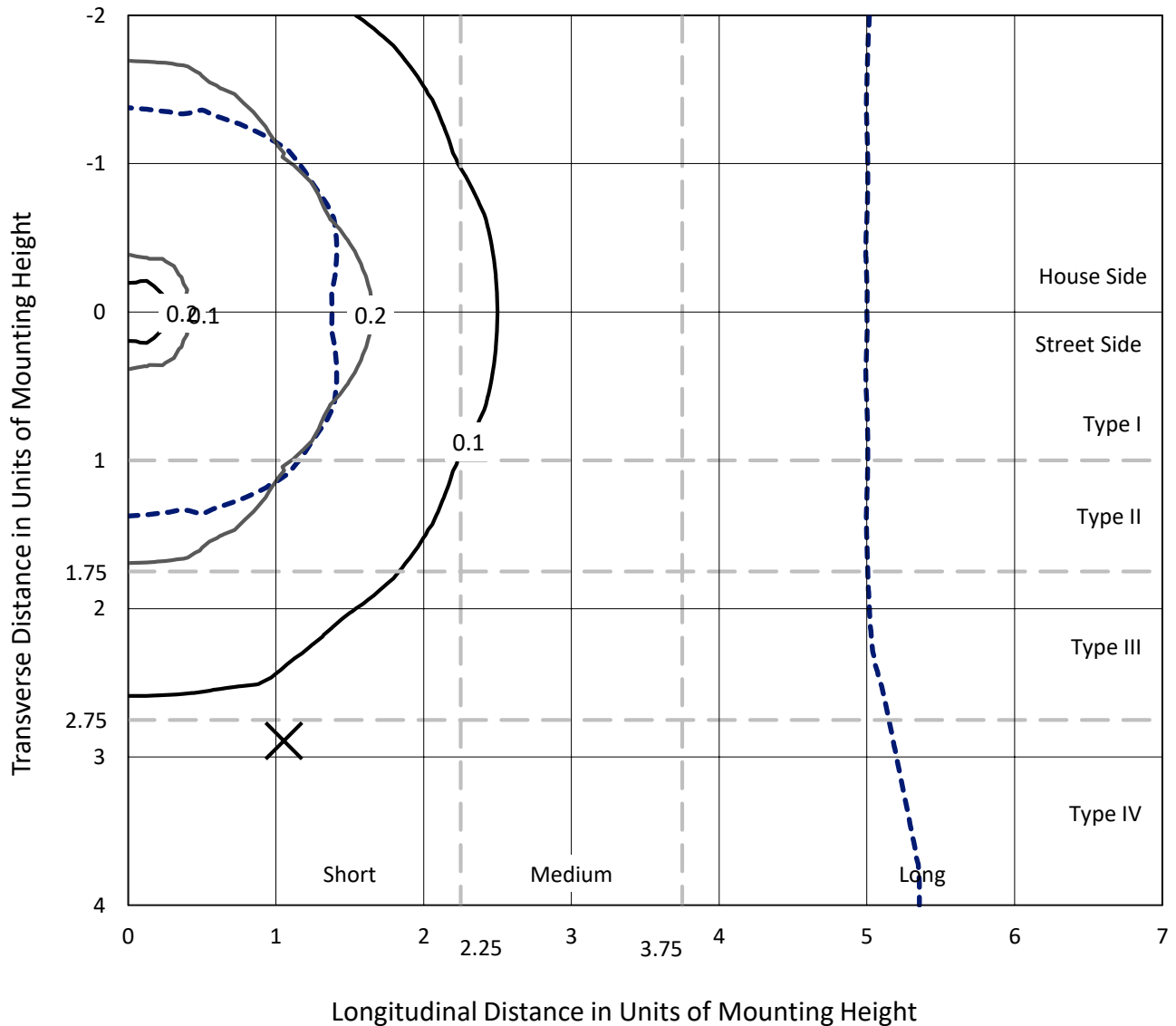
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415281
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

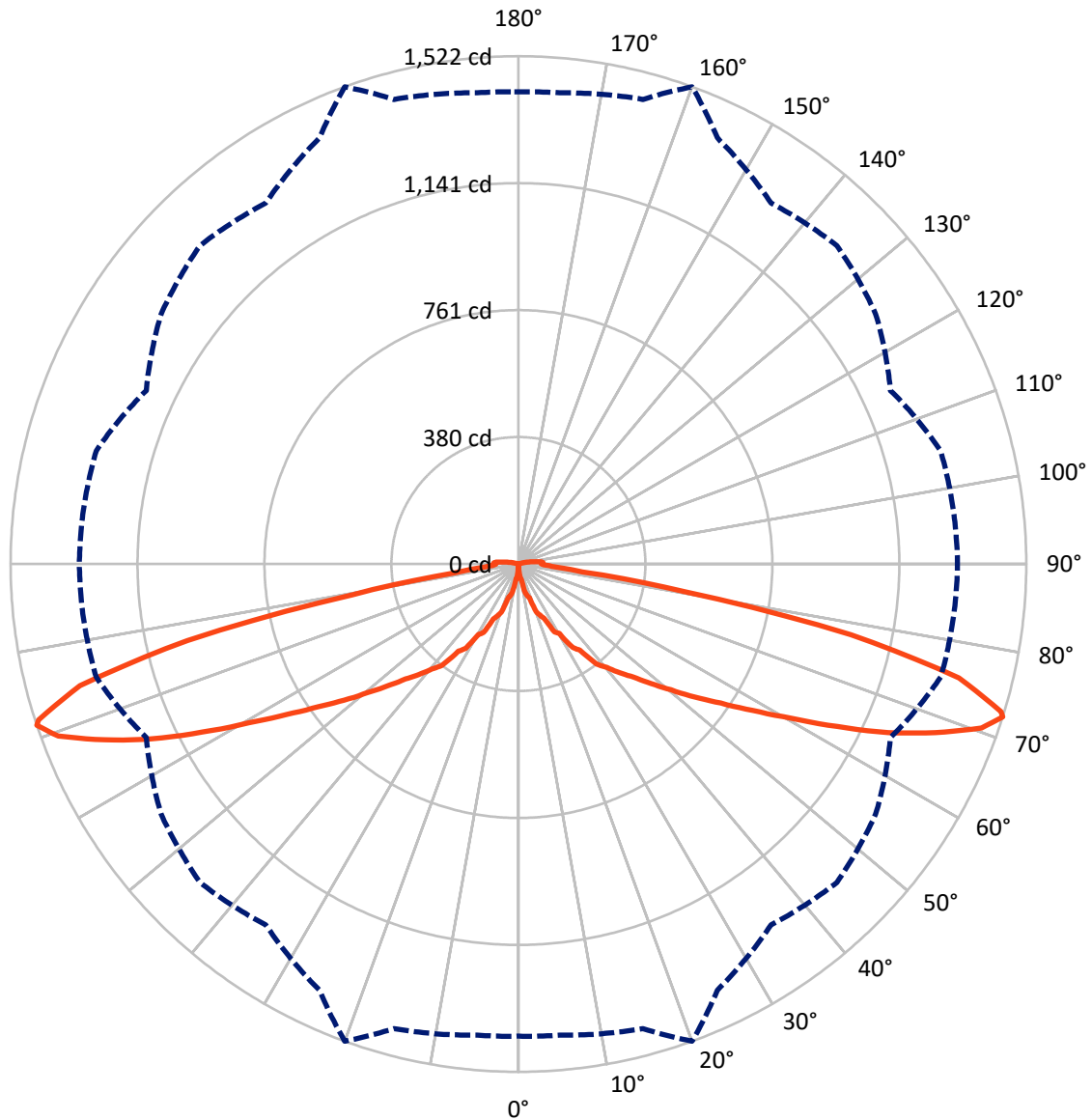
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415281
CATALOG NUMBER: LXF.LXT-PA1-40-830-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-PA1-40-830-U-5WQ-CL

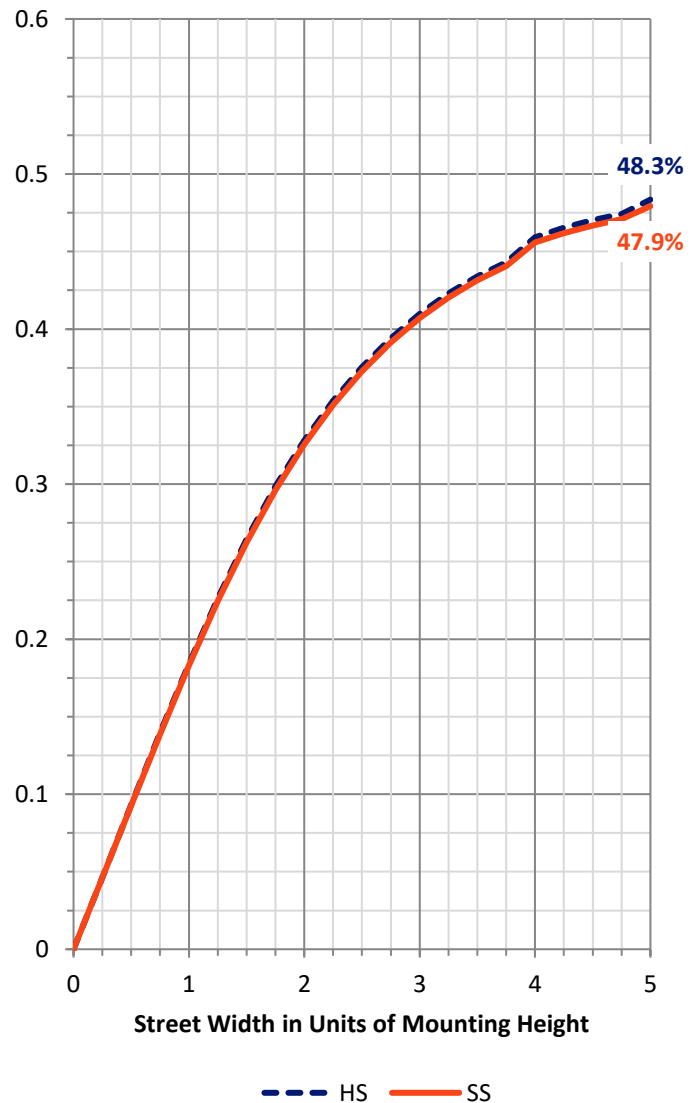
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2005.8	47.7	2053.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2005.8	47.7	2053.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	4011.6	95.4	4107.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	22.5	0.5
20°-30°	89.0	2.2
30°-40°	206.0	5.0
40°-50°	374.9	9.1
50°-60°	664.8	16.2
60°-70°	1124.6	27.4
70°-80°	1249.6	30.4
80°-90°	278.6	6.8
90°-100°	77.5	1.9
100°-110°	11.4	0.3
110°-120°	2.7	0.1
120°-130°	1.7	0.0
130°-140°	1.0	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°	4011.6	97.7
0°-180°	4107.0	100.0



REPORT NUMBER: P415281

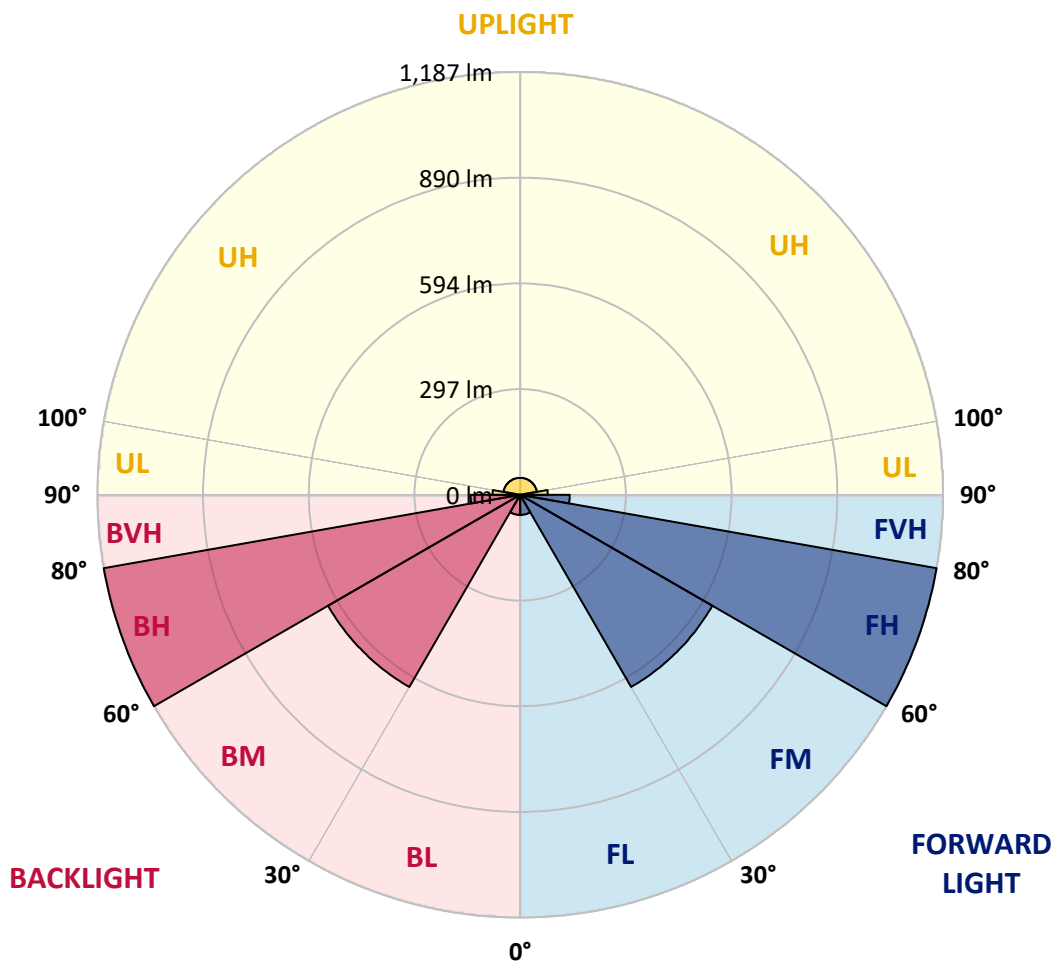
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.5	1.4			
FM	(30°-60°)	622.9	15.2			
FH	(60°-80°)	1187.1	28.9			G1/1800
FVH	(80°-90°)	139.3	3.4			G2/225
BL	(0°-30°)	56.5	1.4	B0/110		
BM	(30°-60°)	622.9	15.2	B1/1000		
BH	(60°-80°)	1187.1	28.9	B3/2500		G1/1800
BVH	(80°-90°)	139.3	3.4			G2/225
UL	(90°-100°)	77.5	1.9		U3/500	
UH	(100°-180°)	47.7	1.2		U2/50	

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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.2	2.2	2.2	2.6	1.7	2.2	1.7	1.7	1.7	1.7	1.7
5°	19.1	18.7	17.4	32.2	15.2	7.8	4.4	2.6	1.7	1.7	1.7
7.5°	40.9	40.5	39.2	43.1	32.6	24.8	19.6	13.1	3.5	2.2	2.2
10°	49.2	48.7	47.0	47.4	45.7	44.4	36.5	22.2	10.0	3.5	3.5
12.5°	73.5	73.1	70.0	85.3	59.2	49.2	45.7	38.7	21.8	17.4	33.9
15°	100.5	100.5	96.2	98.3	81.4	71.8	53.1	66.6	73.1	69.6	74.4
17.5°	111.8	111.4	107.0	106.2	101.8	93.5	91.8	96.6	94.0	83.5	84.0
20°	142.3	141.8	136.2	152.7	126.2	106.2	132.3	115.7	106.6	121.4	141.0
22.5°	171.0	170.6	166.2	167.1	152.7	156.2	144.4	134.0	158.4	164.0	169.2
25°	202.7	201.4	184.5	181.0	168.8	184.9	165.8	192.7	176.2	184.0	198.0
27.5°	238.0	236.3	228.0	230.6	207.1	200.1	211.5	205.8	216.7	250.6	258.0
30°	260.6	250.6	243.2	241.9	246.7	224.1	232.8	238.4	250.2	265.0	278.0
32.5°	313.3	311.1	282.8	298.0	269.8	267.1	248.9	268.0	268.0	325.4	364.6
35°	336.8	334.6	326.7	316.7	309.8	285.9	294.6	288.5	332.8	354.2	386.8
37.5°	418.1	415.9	374.6	379.8	337.6	324.1	315.0	338.5	355.9	378.1	415.9
40°	449.9	448.1	431.6	408.1	392.4	353.7	342.4	362.0	383.3	407.7	446.4
42.5°	487.7	486.4	466.8	445.1	429.4	396.4	384.2	385.9	412.0	448.1	486.0
45°	533.0	533.0	520.4	482.9	467.7	444.2	424.6	426.8	451.2	494.7	533.8
47.5°	584.8	583.9	576.5	534.7	523.0	487.3	471.6	478.6	497.3	545.6	586.9
50°	645.2	640.9	640.4	592.6	578.2	541.7	526.9	538.6	549.9	597.8	642.6
52.5°	707.4	708.8	709.2	662.2	647.8	616.5	595.2	607.8	607.8	658.3	707.4
55°	781.4	784.5	782.3	735.7	737.9	704.0	674.8	690.5	684.8	733.1	777.1
57.5°	876.7	875.8	880.2	826.7	833.6	806.2	773.1	783.2	774.5	814.0	853.2
60°	972.0	972.0	983.3	936.7	955.4	914.1	892.8	898.0	867.1	900.2	935.0
62.5°	1071.2	1072.0	1088.6	1072.9	1077.3	1033.3	1019.8	1011.6	952.8	995.9	1019.8
65°	1171.7	1173.0	1200.4	1217.4	1185.2	1145.1	1133.4	1113.4	1050.3	1111.2	1115.6
67.5°	1273.5	1279.1	1311.8	1347.9	1298.7	1224.3	1241.3	1205.2	1139.9	1198.2	1195.2
70°	1385.3	1389.2	1411.4	1471.9	1383.6	1287.9	1306.1	1279.6	1202.1	1274.8	1280.5
72°	1414.5	1417.1	1441.0	1521.5	1409.2	1319.6	1349.2	1306.6	1230.0	1309.6	1314.0
72.5°	1412.7	1416.6	1436.2	1511.9	1408.4	1325.3	1357.0	1309.6	1229.5	1307.4	1307.0
75°	1280.0	1289.2	1319.2	1363.1	1330.9	1314.0	1381.8	1291.3	1180.4	1223.5	1213.5
77.5°	939.3	946.3	989.8	1017.7	1081.2	1195.2	1317.4	1186.0	1032.0	1012.4	979.4
80°	460.8	458.1	545.6	506.0	689.6	914.5	1093.4	938.5	729.6	593.9	508.6
82.5°	155.8	164.9	200.6	193.2	306.7	527.8	740.1	579.5	338.1	230.2	190.1
85°	87.9	90.9	110.5	106.2	124.9	204.9	380.7	263.7	147.9	123.6	110.1
87.5°	77.4	78.8	77.9	76.6	82.7	114.9	115.3	119.2	90.5	84.0	84.4
90°	78.3	79.2	70.9	67.9	72.7	96.2	107.0	101.4	74.0	72.2	79.2
92.5°	84.8	85.7	77.0	74.0	77.9	98.8	110.1	104.4	74.8	77.0	84.4
95°	77.4	78.3	70.9	67.9	72.2	91.8	103.1	100.9	71.4	78.8	89.6
97.5°	49.6	50.0	49.6	49.6	57.0	69.6	72.7	68.7	47.4	48.3	49.2
100°	19.6	15.7	22.2	32.6	40.5	40.9	39.2	36.1	30.5	20.0	10.0
102.5°	6.5	6.5	15.2	21.3	23.9	19.1	15.2	15.2	17.8	12.6	6.5
105°	6.5	6.5	8.3	10.0	10.0	5.2	4.8	7.8	11.3	6.5	6.5
107.5°	6.1	6.5	4.4	3.9	3.5	3.5	3.5	3.5	4.4	4.8	6.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	5.2	5.2	3.5	3.5	3.0	2.6	3.5	3.0	3.5	3.9	5.2
112.5°	3.9	4.4	2.6	2.6	2.6	2.2	3.0	2.6	2.6	3.0	3.5
115°	3.9	3.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.6	3.5
117.5°	3.9	3.5	2.2	1.7	1.7	1.7	1.7	1.7	1.7	2.6	3.5
120°	3.9	3.5	2.2	1.7	1.3	1.3	1.3	1.3	1.7	2.2	3.5
122.5°	3.5	3.5	2.2	1.7	1.3	1.3	1.3	1.3	1.3	2.2	3.5
125°	3.5	3.5	2.2	1.7	1.3	1.3	0.9	1.3	1.3	2.2	3.0
127.5°	3.5	3.0	2.2	1.3	1.3	0.9	0.9	0.9	1.3	1.7	3.0
130°	3.0	3.0	2.2	1.3	0.9	0.9	0.9	0.9	0.9	1.7	2.6
132.5°	2.6	2.6	1.7	1.3	0.9	0.9	0.9	0.9	0.9	1.3	2.2
135°	2.2	2.2	1.7	1.3	0.9	1.3	0.9	0.9	0.9	0.9	1.7
137.5°	2.2	2.2	1.7	1.3	0.9	1.3	0.9	0.9	0.9	0.9	1.3
140°	2.2	2.2	1.7	1.3	1.3	1.3	0.9	0.9	0.9	0.9	1.3
142.5°	2.2	2.2	1.7	1.3	1.3	1.3	0.9	0.9	0.9	1.3	1.3
145°	2.2	2.2	2.2	1.7	1.3	1.3	0.9	0.9	1.3	1.3	1.7
147.5°	2.6	2.6	2.2	1.7	1.3	0.9	0.9	0.9	1.3	1.7	1.7
150°	2.2	2.2	1.7	1.3	1.3	0.9	0.4	0.4	0.9	1.7	1.7
152.5°	1.7	1.7	1.3	0.9	0.9	0.4	0.0	0.4	0.9	1.3	1.7
155°	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.4	0.9	1.3
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	1.7
2.5°	1.7
5°	1.7
7.5°	2.2
10°	3.5
12.5°	34.8
15°	74.8
17.5°	84.0
20°	152.3
22.5°	171.4
25°	202.3
27.5°	264.1
30°	280.6
32.5°	373.7
35°	393.8
37.5°	420.7
40°	449.9
42.5°	487.3
45°	533.8
47.5°	587.8
50°	641.3
52.5°	705.7
55°	780.1
57.5°	851.0
60°	932.4
62.5°	1014.2
65°	1115.6
67.5°	1195.2
70°	1282.6
72°	1315.3
72.5°	1307.4
75°	1215.2
77.5°	982.4
80°	499.0
82.5°	176.6
85°	108.3
87.5°	82.7
90°	77.9
92.5°	83.1
95°	88.3
97.5°	47.0
100°	7.0
102.5°	7.0
105°	7.0
107.5°	7.0



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
110°	5.7
112.5°	3.9
115°	3.9
117.5°	3.9
120°	3.9
122.5°	3.9
125°	3.5
127.5°	3.0
130°	2.6
132.5°	2.2
135°	1.7
137.5°	1.3
140°	1.3
142.5°	1.3
145°	1.7
147.5°	1.7
150°	1.7
152.5°	1.7
155°	1.3
157.5°	0.4
160°	0.4
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)