

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: P415700

Luminaire Tested: **LXF.LXT-PA1-50-830-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5126 lumens
Efficiency: N/A
Efficacy: 94.9 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

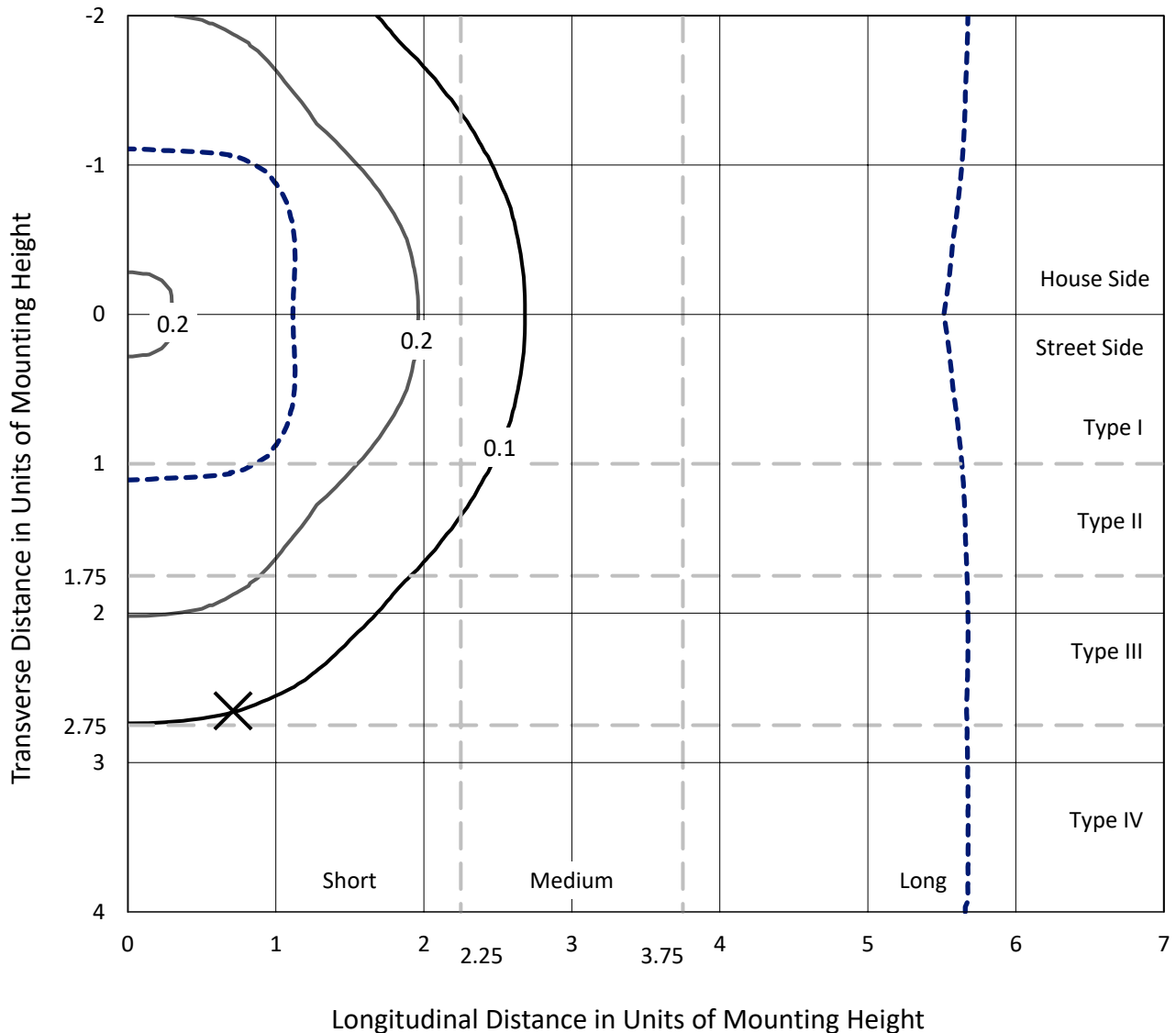
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415700
 CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

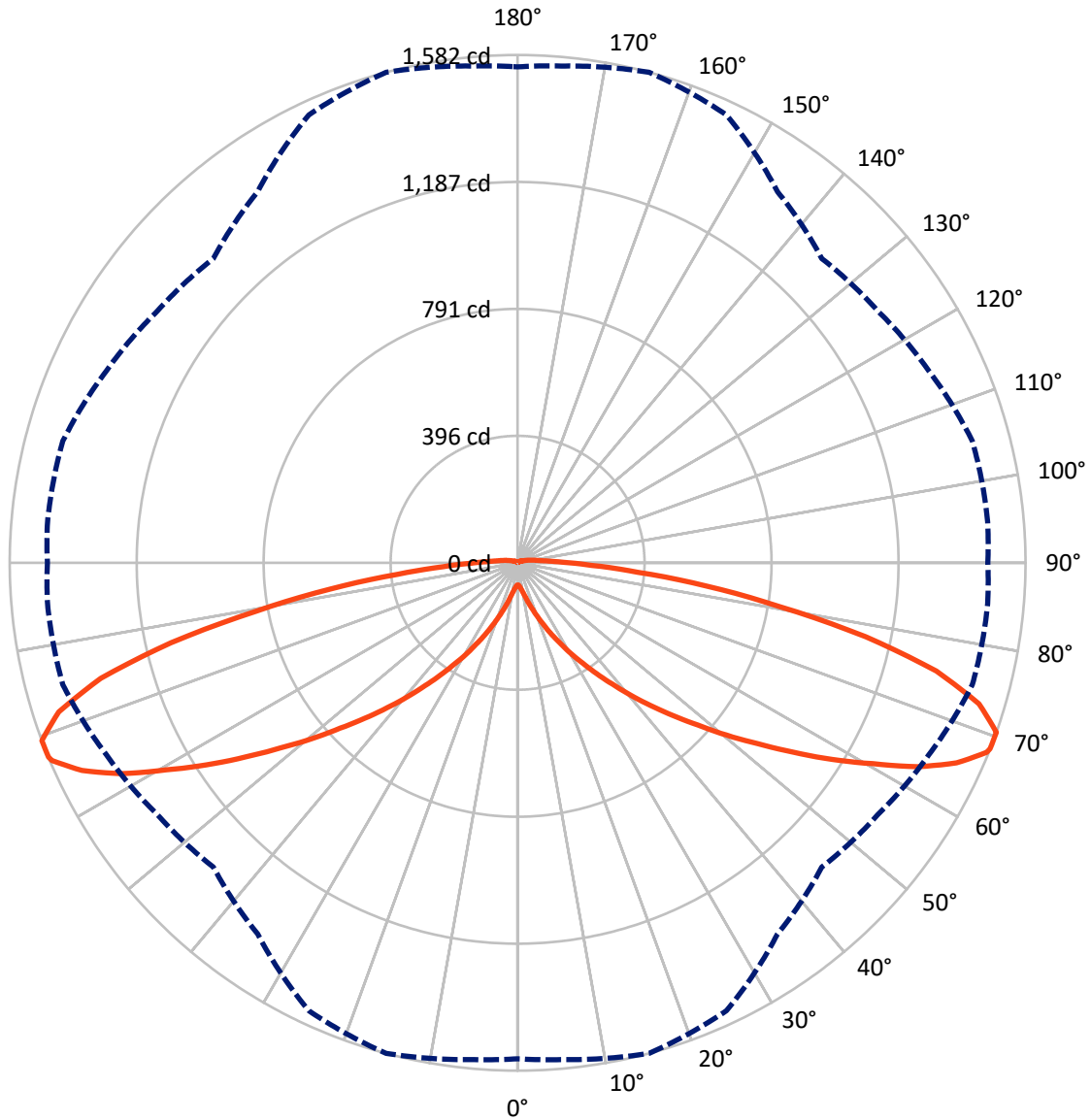
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415700
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P415700

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ-TL

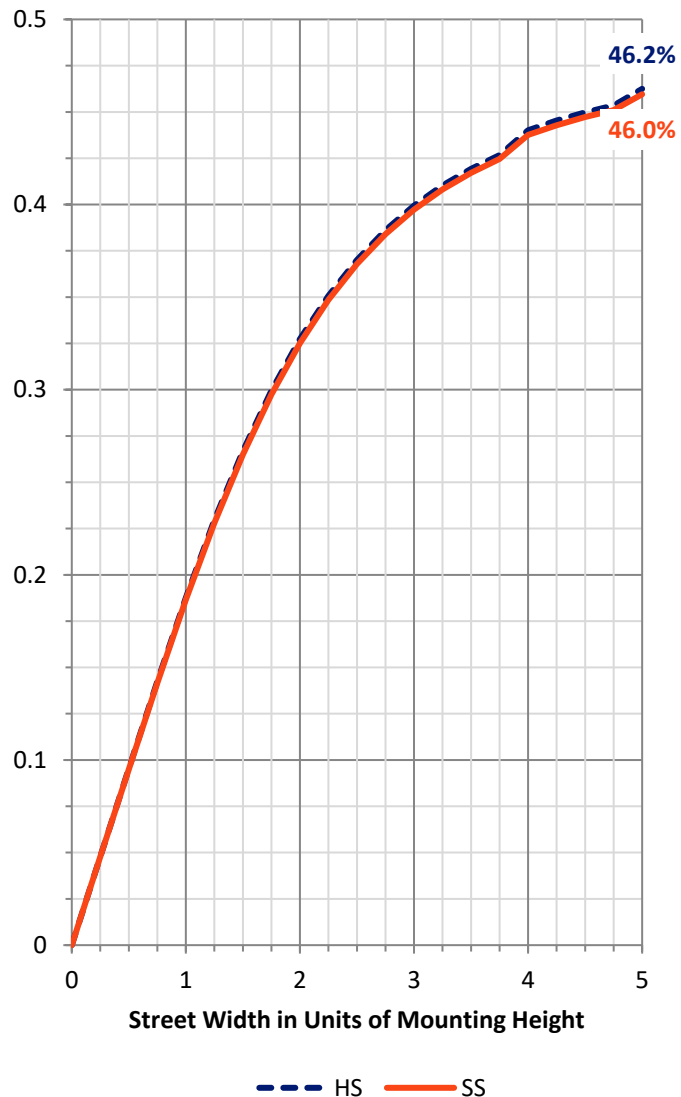
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2472.7	90.2	2563.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2472.7	90.2	2563.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	4945.5	180.5	5126.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	37.0	0.7
20°-30°	111.3	2.2
30°-40°	256.0	5.0
40°-50°	492.2	9.6
50°-60°	870.3	17.0
60°-70°	1348.7	26.3
70°-80°	1308.9	25.5
80°-90°	513.4	10.0
90°-100°	110.5	2.2
100°-110°	37.7	0.7
110°-120°	16.6	0.3
120°-130°	8.4	0.2
130°-140°	4.5	0.1
140°-150°	2.1	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4945.5	96.5
0°-180°	5126.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415700

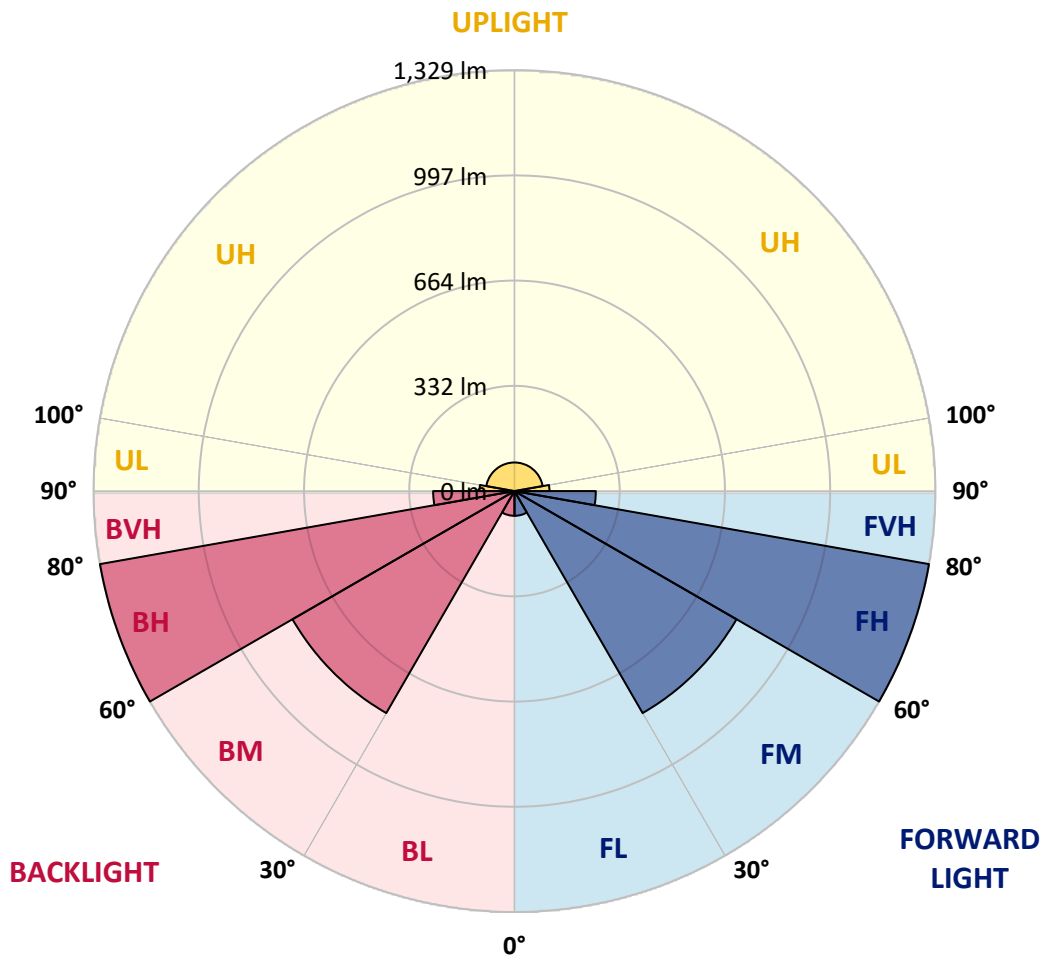
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.0	1.5			
FM (30°-60°)	809.2	15.8			
FH (60°-80°)	1328.8	25.9			G1/1800
FVH (80°-90°)	256.7	5.0			G3/500
BL (0°-30°)	78.0	1.5	B0/110		
BM (30°-60°)	809.2	15.8	B1/1000		
BH (60°-80°)	1328.8	25.9	B3/2500		G1/1800
BVH (80°-90°)	256.7	5.0			G3/500
UL (90°-100°)	110.5	2.2		U3/500	
UH (100°-180°)	90.2	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P415700

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	70.1	70.1	70.1	70.7	70.7	71.3	70.7	70.1	70.1	69.6	69.6
5°	75.2	75.2	75.2	75.2	75.7	75.7	74.6	74.1	73.5	73.5	73.5
7.5°	83.0	83.0	83.6	83.0	83.0	82.5	81.4	80.2	80.2	79.7	79.7
10°	95.4	94.3	94.3	93.7	93.1	92.0	90.9	90.3	89.2	89.2	88.1
12.5°	112.2	111.7	110.0	108.3	106.0	104.4	103.2	102.7	102.7	102.7	103.8
15°	131.9	132.4	131.3	127.4	122.9	119.5	119.0	119.0	120.1	121.2	121.2
17.5°	157.7	156.5	153.7	149.3	143.6	140.3	138.0	139.7	142.5	144.2	145.3
20°	185.7	185.2	181.2	173.9	167.8	163.3	161.6	163.8	168.9	173.4	172.8
22.5°	218.3	217.7	211.5	202.0	193.6	188.5	186.8	191.3	202.0	207.6	208.7
25°	255.3	253.6	248.0	235.1	223.3	215.5	216.6	224.4	238.5	249.7	249.1
27.5°	297.4	295.1	284.5	269.9	254.2	246.3	248.6	261.5	280.6	293.5	295.1
30°	343.4	340.0	328.8	307.5	289.5	278.3	283.9	301.9	326.0	344.5	346.8
32.5°	387.7	391.6	372.6	351.2	326.6	312.0	319.3	344.0	373.7	399.5	401.7
35°	443.8	440.5	424.2	396.1	365.8	350.7	360.2	390.5	424.2	454.5	455.6
37.5°	503.9	500.5	479.2	445.0	409.6	391.6	404.0	436.5	479.7	510.0	516.8
40°	568.4	561.7	542.0	499.9	456.7	438.2	450.0	491.0	537.5	570.6	575.1
42.5°	631.8	627.9	607.7	559.4	510.0	486.5	503.9	544.3	598.1	630.7	636.3
45°	700.8	700.3	678.4	625.6	570.1	543.7	561.7	606.6	658.2	695.8	699.1
47.5°	773.8	774.3	755.2	702.5	635.2	605.4	622.8	673.3	733.9	767.6	771.0
50°	860.2	856.8	843.9	782.2	711.5	677.8	700.3	753.0	809.1	845.0	848.4
52.5°	951.1	951.1	935.9	879.2	796.8	762.0	781.1	834.9	897.8	930.3	937.0
55°	1052.1	1047.6	1041.4	979.7	895.5	855.1	874.2	935.4	993.1	1021.2	1021.8
57.5°	1161.5	1157.0	1155.9	1100.3	1004.4	951.6	973.5	1031.3	1097.0	1115.5	1121.1
60°	1267.5	1275.4	1270.9	1222.1	1113.8	1054.3	1079.0	1139.6	1203.0	1219.8	1225.4
62.5°	1383.1	1387.0	1399.4	1339.9	1223.2	1159.8	1184.5	1238.3	1302.9	1316.9	1319.1
65°	1483.0	1486.9	1503.2	1447.1	1314.7	1247.9	1275.9	1332.6	1397.1	1409.5	1402.2
67.5°	1542.5	1551.4	1576.1	1522.8	1386.5	1313.0	1341.6	1394.9	1451.0	1462.2	1452.7
68°	1551.4	1558.7	1581.7	1533.5	1395.5	1320.8	1351.1	1403.9	1461.1	1470.1	1462.8
70°	1545.3	1553.7	1582.3	1539.7	1411.7	1340.5	1369.1	1414.0	1466.7	1470.1	1465.0
72.5°	1460.0	1475.1	1503.2	1488.0	1384.2	1319.7	1343.8	1371.3	1407.8	1407.2	1401.1
75°	1296.7	1290.0	1347.8	1355.1	1286.6	1249.6	1261.4	1261.9	1269.2	1259.1	1238.9
77.5°	1036.9	1052.6	1108.7	1157.6	1134.5	1120.0	1122.2	1089.1	1074.5	1031.3	1017.8
80°	756.4	768.7	828.7	902.8	935.9	952.7	933.7	871.4	820.3	776.0	760.9
82.5°	516.2	520.7	591.4	662.7	728.9	749.1	732.2	647.5	576.8	529.7	508.9
85°	317.6	324.9	375.4	446.1	524.1	570.1	530.8	446.1	374.8	337.8	329.4
87.5°	186.8	198.1	231.7	285.0	359.7	398.9	368.1	294.6	237.3	210.4	200.3
90°	116.7	123.4	144.8	183.5	241.3	269.9	249.1	191.3	153.2	130.2	122.9
92.5°	81.4	83.6	98.2	122.9	164.4	184.0	166.6	131.3	104.9	87.5	84.7
95°	60.6	62.3	71.3	87.0	113.3	128.5	116.7	92.6	74.6	62.8	61.2
97.5°	47.7	48.8	56.1	66.2	83.0	93.7	86.4	70.7	57.8	48.3	46.6
100°	37.0	38.2	44.9	52.7	65.1	70.7	66.2	55.5	45.4	37.0	35.9
102.5°	29.2	29.7	35.9	43.2	52.2	56.1	52.7	44.9	35.9	28.6	28.1
105°	23.0	23.6	29.2	35.9	43.2	46.0	43.8	37.0	28.6	21.9	21.3
107.5°	18.0	18.5	23.0	29.7	35.9	38.2	35.9	30.3	22.4	17.4	16.8



REPORT NUMBER: P415700

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	14.6	14.6	19.1	24.7	30.3	32.0	30.3	24.7	18.0	14.0	13.5
112.5°	12.3	12.3	15.7	20.8	25.2	27.5	25.2	20.2	14.6	11.2	11.2
115°	10.1	10.7	12.9	17.4	21.3	23.0	21.3	16.8	12.3	9.5	9.5
117.5°	9.0	9.5	11.2	14.6	18.5	19.6	18.0	14.0	10.1	8.4	8.4
120°	8.4	8.4	9.5	12.3	15.7	16.8	15.1	12.3	9.0	7.9	7.9
122.5°	7.9	7.9	8.4	10.7	13.5	14.6	12.9	10.1	7.9	7.3	6.7
125°	7.3	7.3	7.9	9.5	11.8	12.3	11.2	9.0	6.7	6.2	6.2
127.5°	6.7	6.7	7.3	8.4	10.1	10.7	10.1	7.9	6.2	6.2	6.2
130°	6.2	6.2	6.7	7.3	9.0	9.5	8.4	6.7	5.6	5.6	5.6
132.5°	5.6	5.6	5.6	6.7	7.9	7.9	7.3	6.2	5.6	5.0	5.0
135°	5.6	5.6	5.6	5.6	6.7	7.3	6.2	5.6	5.0	5.0	5.0
137.5°	5.0	5.0	5.0	5.0	5.6	6.2	5.6	5.0	4.5	4.5	4.5
140°	4.5	4.5	4.5	4.5	5.0	5.0	5.0	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	4.5	3.9	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
155°	1.1	1.1	1.1	1.1	1.7	1.1	1.7	1.1	1.1	1.1	1.1
157.5°	0.6	0.6	1.1	1.1	1.1	1.7	1.1	1.1	0.6	0.6	0.6
160°	0.0	0.6	0.6	0.6	1.1	1.1	1.1	0.6	0.6	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

(END OF REPORT)