

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: P255060

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-5WQ-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 5577.7 lumens
Efficiency: N/A
Efficacy: 103.3 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): 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

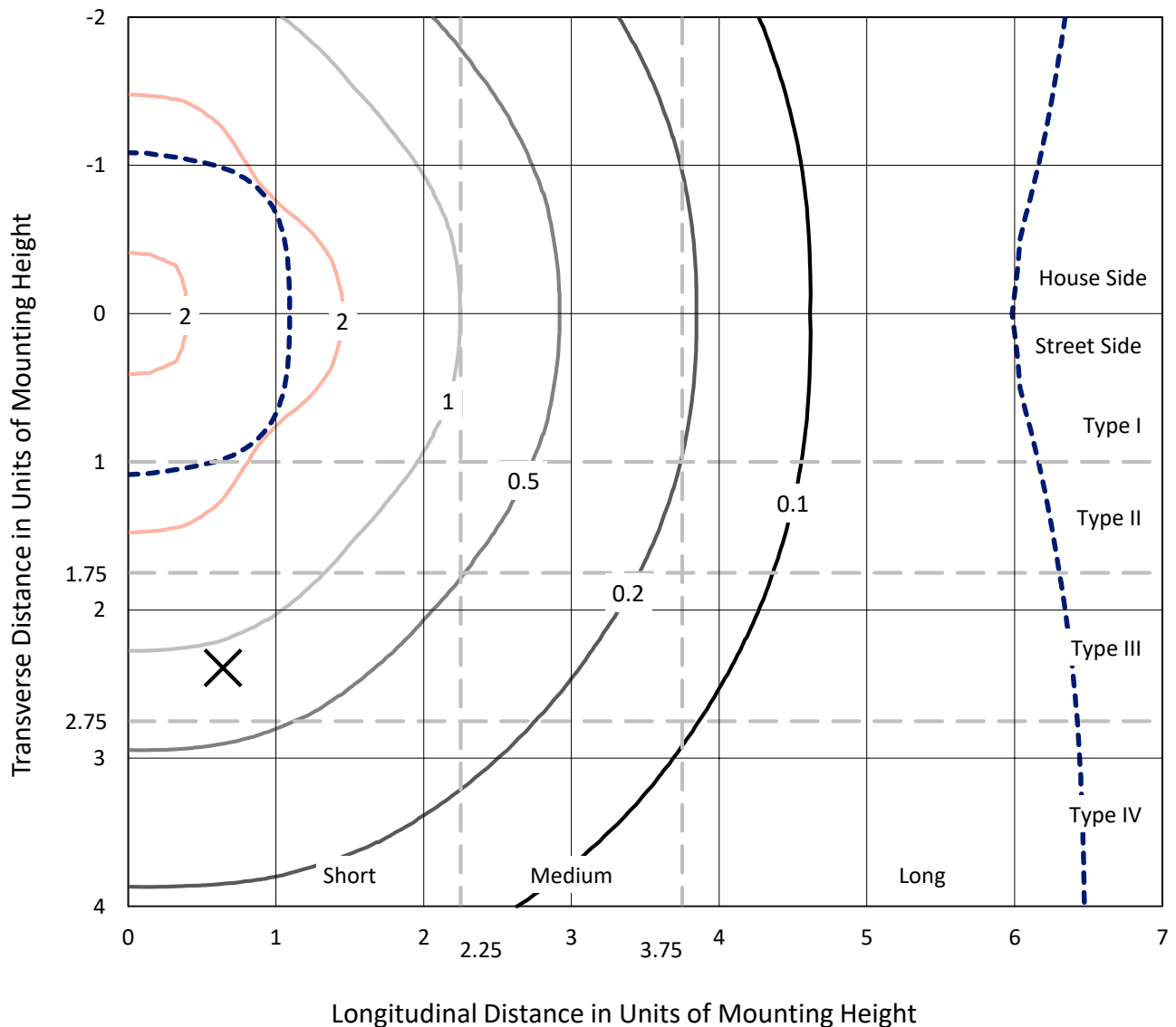


REPORT NUMBER: P255060

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

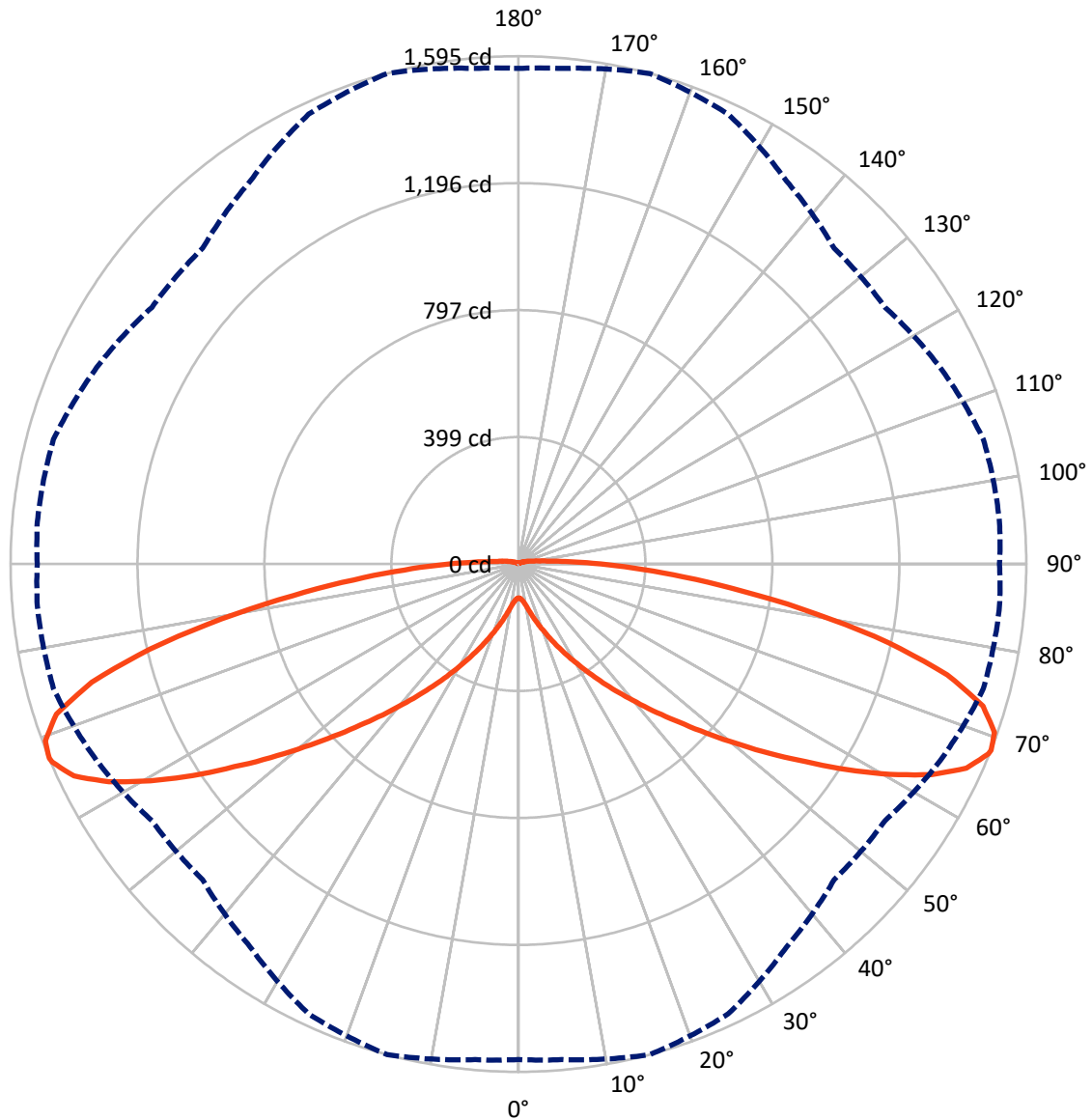


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P255060

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-TL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P255060

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-TL-7030

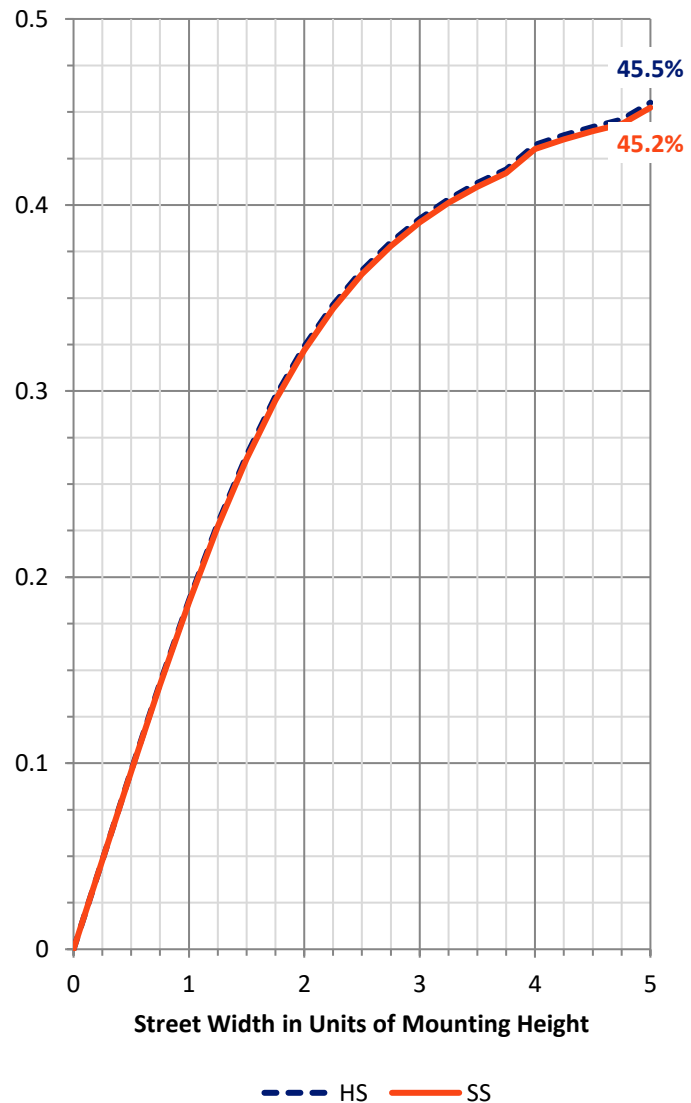
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2677.2	111.6	2788.8
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2677.2	111.6	2788.8
	% Fixture	48.0	2.0	50.0
Total	Lumens	5354.4	223.2	5577.7
	% Fixture	96.0	4.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	51.0	0.9
20°-30°	134.4	2.4
30°-40°	282.1	5.1
40°-50°	529.6	9.5
50°-60°	935.8	16.8
60°-70°	1411.4	25.3
70°-80°	1368.0	24.5
80°-90°	630.6	11.3
90°-100°	150.0	2.7
100°-110°	41.9	0.8
110°-120°	17.6	0.3
120°-130°	7.9	0.1
130°-140°	3.8	0.1
140°-150°	1.6	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5354.4	96.0
0°-180°	5577.7	100.0

Coefficient of Utilization



REPORT NUMBER: P255060

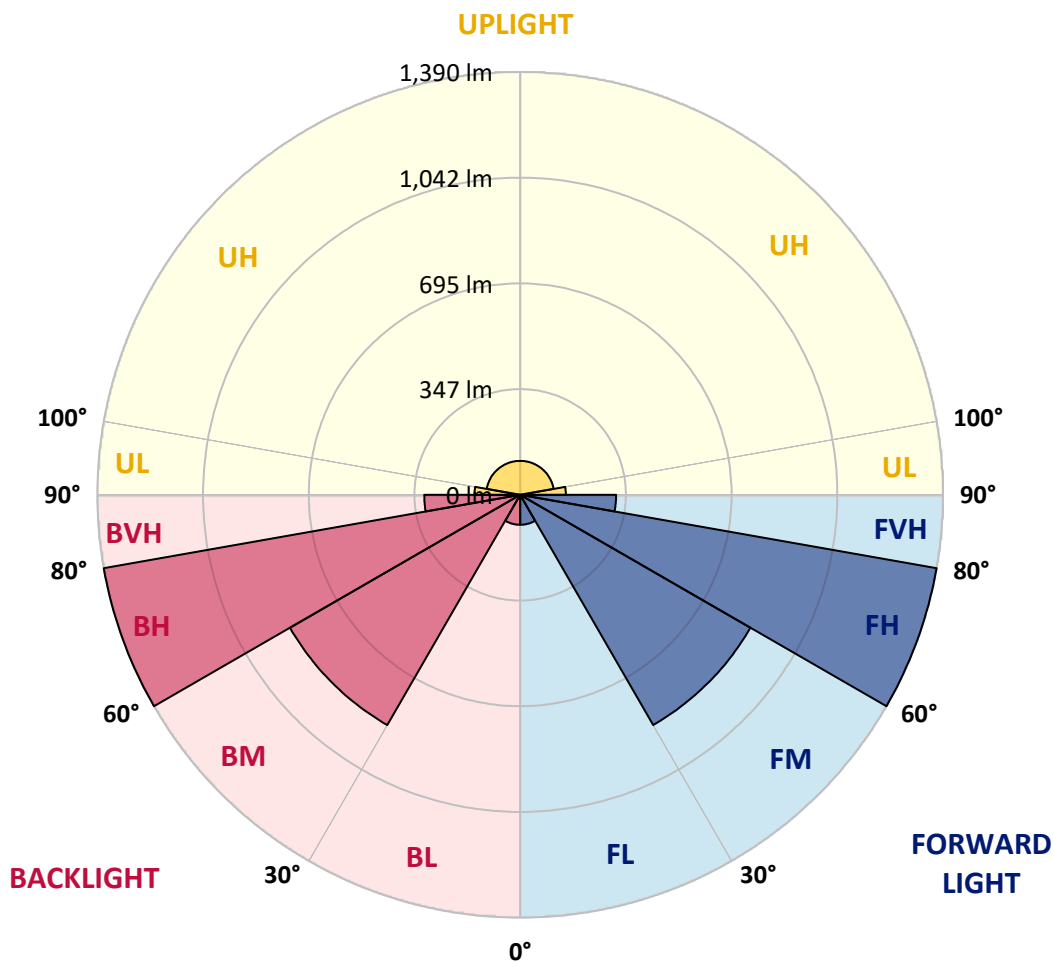
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.4	1.8			
FM	(30°-60°)	873.8	15.7			
FH	(60°-80°)	1389.7	24.9			G1/1800
FVH	(80°-90°)	315.3	5.7			G3/500
BL	(0°-30°)	98.4	1.8	B0/110		
BM	(30°-60°)	873.8	15.7	B1/1000		
BH	(60°-80°)	1389.7	24.9	B3/2500		G1/1800
BVH	(80°-90°)	315.3	5.7			G3/500
UL	(90°-100°)	150.0	2.7		U3/500	
UH	(100°-180°)	111.6	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P255060

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
2.5°	108.1	108.1	108.1	108.1	108.1	108.8	108.1	108.1	108.1	108.1	108.1
5°	112.6	112.6	112.6	113.2	113.2	113.2	113.2	113.2	113.2	113.8	113.2
7.5°	120.7	120.7	120.7	120.7	120.7	120.7	121.4	122.0	122.0	122.6	122.6
10°	133.2	133.2	132.6	132.6	132.6	133.2	133.2	134.5	135.2	137.0	136.3
12.5°	152.6	152.6	151.5	150.1	149.4	148.9	150.1	152.6	154.5	157.7	157.0
15°	174.5	174.5	173.2	171.4	170.8	170.1	170.8	173.9	177.0	180.2	179.5
17.5°	199.0	198.3	197.0	194.6	194.6	193.9	193.9	197.0	200.8	205.2	205.2
20°	225.8	224.5	222.7	219.6	219.6	218.9	219.6	222.1	227.7	232.7	232.7
22.5°	256.4	255.2	252.7	249.5	247.7	246.5	247.0	250.9	257.8	264.6	265.3
25°	290.8	289.0	286.5	282.8	277.7	275.3	276.5	282.8	291.5	300.3	298.4
27.5°	327.1	326.5	322.8	317.2	309.6	305.9	308.9	316.6	327.1	336.5	337.2
30°	369.8	367.7	362.8	354.1	346.0	338.3	341.6	351.6	365.9	378.5	379.1
32.5°	414.1	413.4	407.9	395.3	381.6	374.6	377.8	392.2	409.0	421.6	424.2
35°	465.5	464.2	457.9	441.6	424.2	414.7	417.9	435.4	456.0	471.7	472.9
37.5°	521.7	518.6	511.2	491.6	469.2	457.9	461.1	481.1	506.1	521.7	525.4
40°	579.8	579.3	570.5	547.9	520.4	504.8	509.8	532.3	561.1	578.6	581.1
42.5°	647.5	646.2	637.4	611.2	577.3	559.2	564.9	591.7	623.0	640.6	643.6
45°	718.7	720.0	708.1	682.5	643.1	622.4	626.2	656.8	691.2	713.1	715.6
47.5°	801.3	799.4	792.5	760.7	715.6	691.8	696.2	730.0	770.8	791.4	792.5
50°	888.3	886.4	883.9	850.7	798.8	774.4	777.0	813.9	855.1	876.4	882.0
52.5°	985.2	985.8	987.1	950.8	892.6	859.6	865.2	907.1	950.8	970.2	975.2
55°	1092.8	1093.4	1096.0	1059.0	993.3	956.4	963.3	1009.7	1056.5	1075.9	1077.9
57.5°	1212.3	1209.2	1219.3	1175.4	1103.4	1060.9	1068.4	1116.6	1166.7	1185.4	1189.2
60°	1331.8	1327.4	1341.1	1297.4	1214.9	1168.5	1172.3	1228.5	1282.3	1294.2	1302.4
62.5°	1433.2	1437.6	1455.7	1411.2	1319.9	1263.6	1269.8	1326.7	1386.8	1398.7	1400.6
65°	1512.5	1518.8	1545.7	1499.5	1408.7	1341.1	1349.9	1408.7	1470.6	1476.3	1475.0
67.5°	1554.4	1560.1	1590.7	1552.6	1460.7	1394.3	1399.3	1456.3	1508.8	1514.5	1508.8
68°	1555.8	1562.0	1594.5	1558.2	1467.6	1401.8	1405.0	1460.7	1511.3	1516.3	1510.7
70°	1537.0	1551.9	1585.8	1558.8	1473.8	1412.5	1413.0	1458.2	1506.3	1502.6	1497.5
72.5°	1464.4	1477.5	1525.0	1513.8	1442.5	1390.0	1382.4	1413.7	1441.9	1431.2	1428.1
75°	1316.8	1329.2	1390.6	1403.1	1363.0	1324.9	1306.7	1316.8	1316.1	1296.8	1289.3
77.5°	1102.9	1120.4	1187.8	1234.2	1221.1	1205.4	1174.7	1159.8	1131.6	1092.1	1079.7
80°	857.0	874.5	947.8	1012.2	1038.4	1040.2	1012.2	962.1	905.8	852.0	841.4
82.5°	635.6	653.7	715.0	795.1	829.5	849.5	818.3	753.8	690.6	631.2	620.5
85°	444.1	457.2	519.2	584.2	634.2	656.2	621.8	566.7	502.9	451.7	441.6
87.5°	302.7	310.3	359.0	424.2	471.0	492.3	462.9	409.0	350.2	303.4	292.7
90°	192.1	197.0	233.4	287.8	335.3	354.1	330.9	284.0	230.2	192.1	185.2
92.5°	117.6	120.0	147.0	190.7	230.9	252.1	231.4	189.6	145.8	118.2	114.5
95°	76.9	78.7	94.5	122.6	155.8	171.4	157.7	126.4	96.9	78.7	76.3
97.5°	57.0	58.1	67.5	82.6	102.6	114.5	105.1	86.4	69.5	58.1	56.3
100°	44.4	45.1	51.3	60.6	71.9	78.7	73.9	63.2	52.6	44.4	43.8
102.5°	35.6	35.6	41.3	48.2	55.0	58.8	55.7	50.0	41.3	35.1	34.4
105°	28.2	28.7	33.1	39.5	44.4	46.9	45.1	40.7	33.1	27.6	26.9
107.5°	22.5	22.5	26.9	32.6	37.5	39.5	37.5	33.8	26.2	21.9	21.3



REPORT NUMBER: P255060

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	17.5	18.1	21.3	26.9	31.2	33.1	31.2	27.6	21.3	17.5	16.9
112.5°	14.4	14.4	16.9	21.9	26.2	27.6	26.2	21.9	16.9	13.7	13.7
115°	11.9	11.9	13.7	18.1	21.9	23.2	21.9	18.1	13.7	11.3	11.3
117.5°	10.1	10.6	11.9	15.0	18.1	18.8	18.1	15.0	11.3	10.1	9.4
120°	8.7	9.4	10.1	12.6	15.0	15.7	14.4	11.9	9.4	8.7	8.0
122.5°	8.0	8.0	8.7	10.1	12.6	13.1	11.9	10.1	8.0	7.5	7.5
125°	7.5	7.5	7.5	8.7	10.1	10.6	10.1	8.0	6.9	6.9	6.9
127.5°	6.9	6.9	6.9	7.5	8.7	8.7	8.0	6.9	6.2	6.2	6.2
130°	6.2	6.2	6.2	6.2	6.9	7.5	6.9	6.2	5.7	5.7	5.7
132.5°	5.7	5.7	5.7	5.7	5.7	6.2	5.7	5.0	5.0	5.0	5.0
135°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.4	4.4	4.4	4.4
137.5°	4.4	4.4	4.4	4.4	4.4	4.4	3.8	3.8	3.8	4.4	4.4
140°	3.8	3.8	3.8	3.8	3.2	3.2	3.2	3.2	3.8	3.8	3.8
142.5°	3.8	3.8	3.2	3.2	2.5	2.5	2.5	2.5	3.2	3.2	3.2
145°	3.2	3.2	2.5	2.5	2.5	1.8	1.8	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
152.5°	1.2	1.2	1.2	1.2	1.2	0.6	1.2	1.2	1.2	1.2	1.2
155°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	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)