

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: P254790

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
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-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5469.5 lumens
Efficiency: N/A
Efficacy: 101.3 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

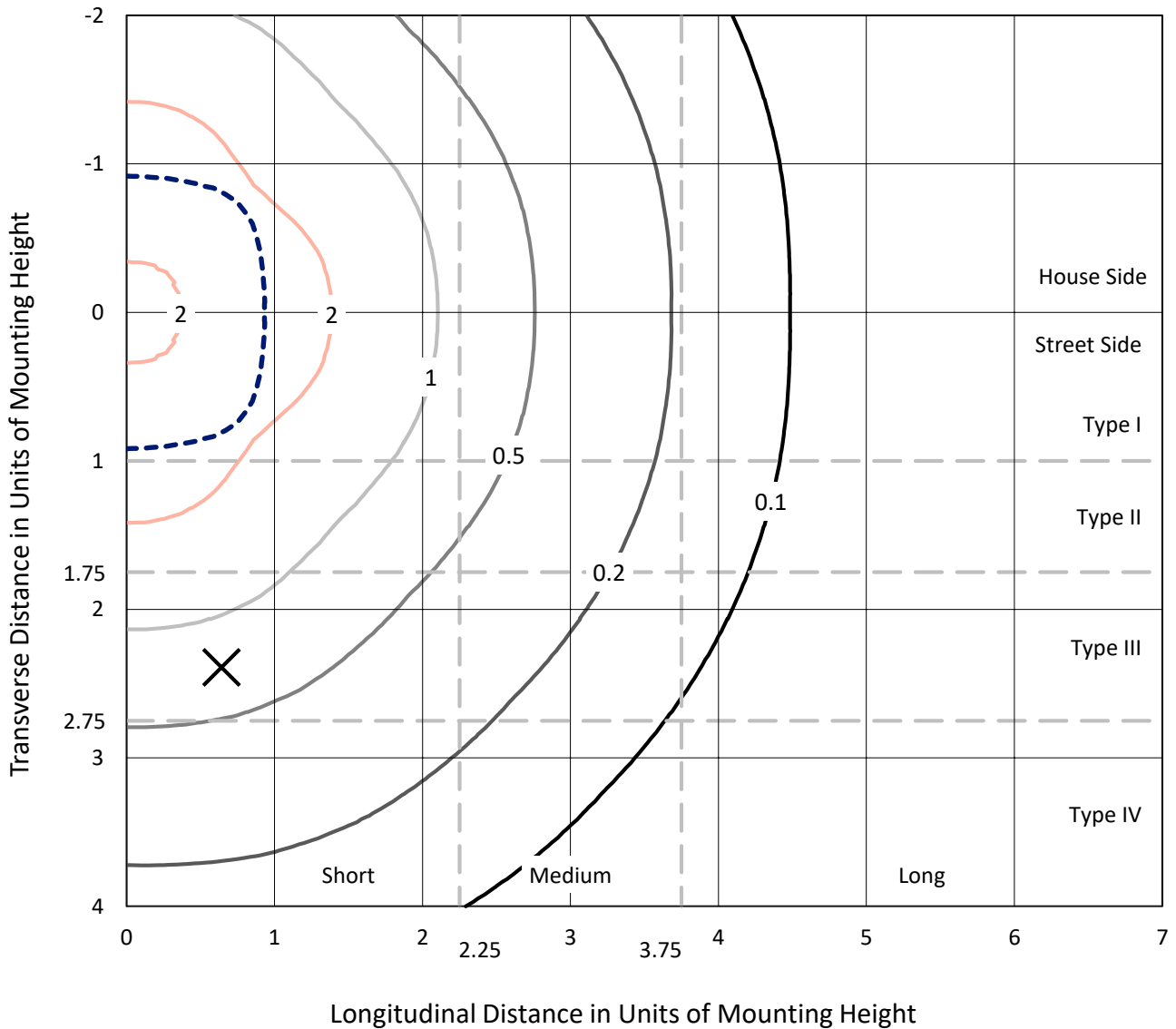


REPORT NUMBER: P254790

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

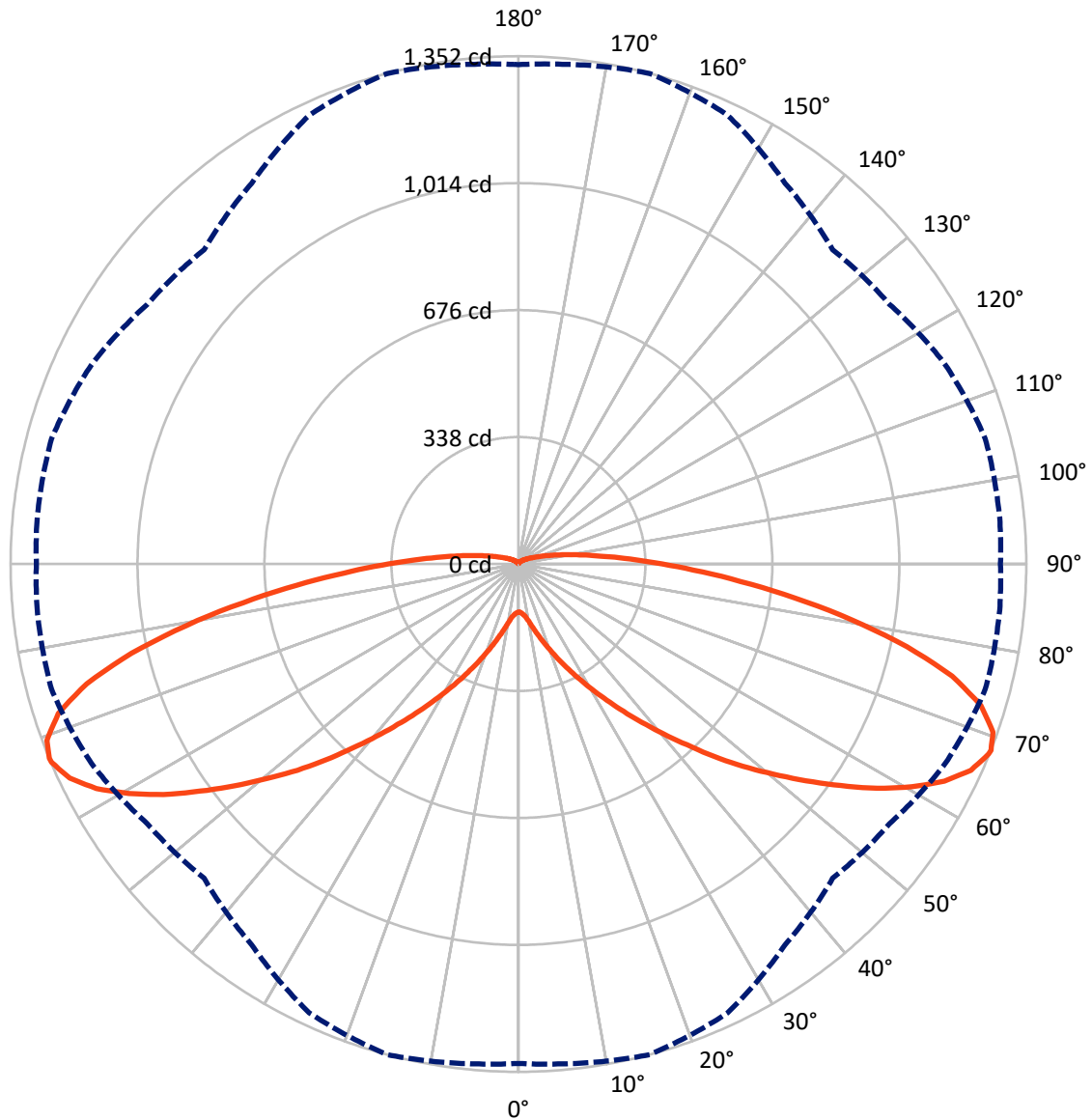


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P254790

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P254790

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

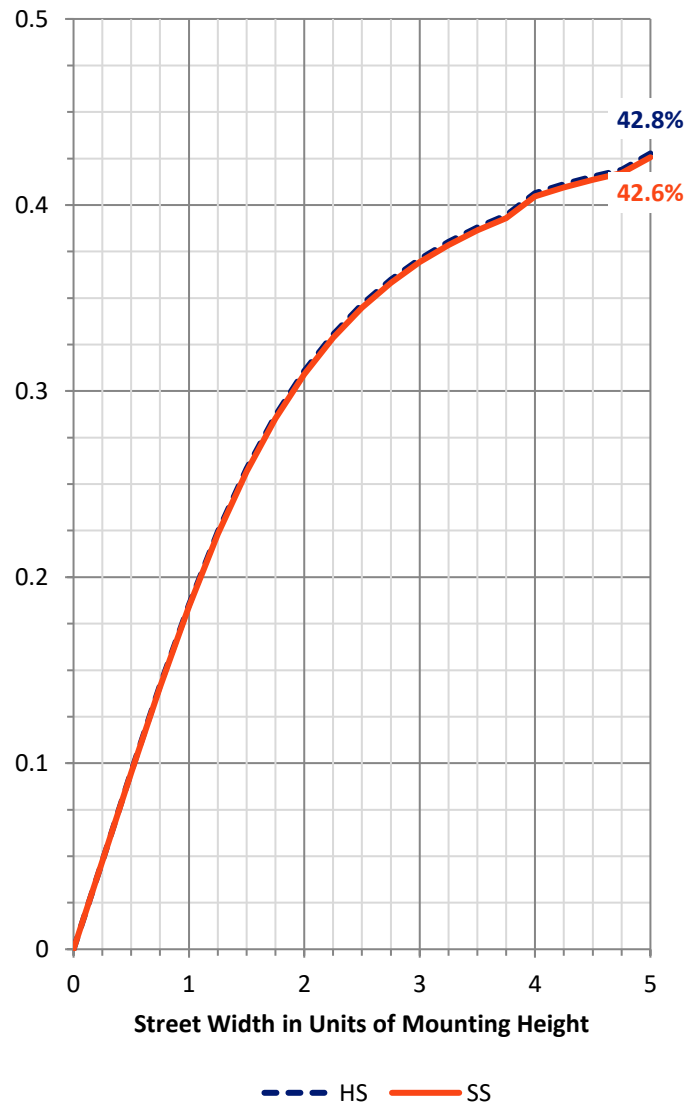
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2506.0	228.7	2734.8
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2506.0	228.7	2734.8
	% Fixture	45.8	4.2	50.0
Total	Lumens	5012.1	457.4	5469.5
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.2
10°-20°	56.1	1.0
20°-30°	143.0	2.6
30°-40°	297.0	5.4
40°-50°	542.1	9.9
50°-60°	885.4	16.2
60°-70°	1221.5	22.3
70°-80°	1180.2	21.6
80°-90°	673.5	12.3
90°-100°	271.1	5.0
100°-110°	106.5	1.9
110°-120°	46.1	0.8
120°-130°	21.2	0.4
130°-140°	9.2	0.2
140°-150°	3.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5012.1	91.6
0°-180°	5469.5	100.0



REPORT NUMBER: P254790

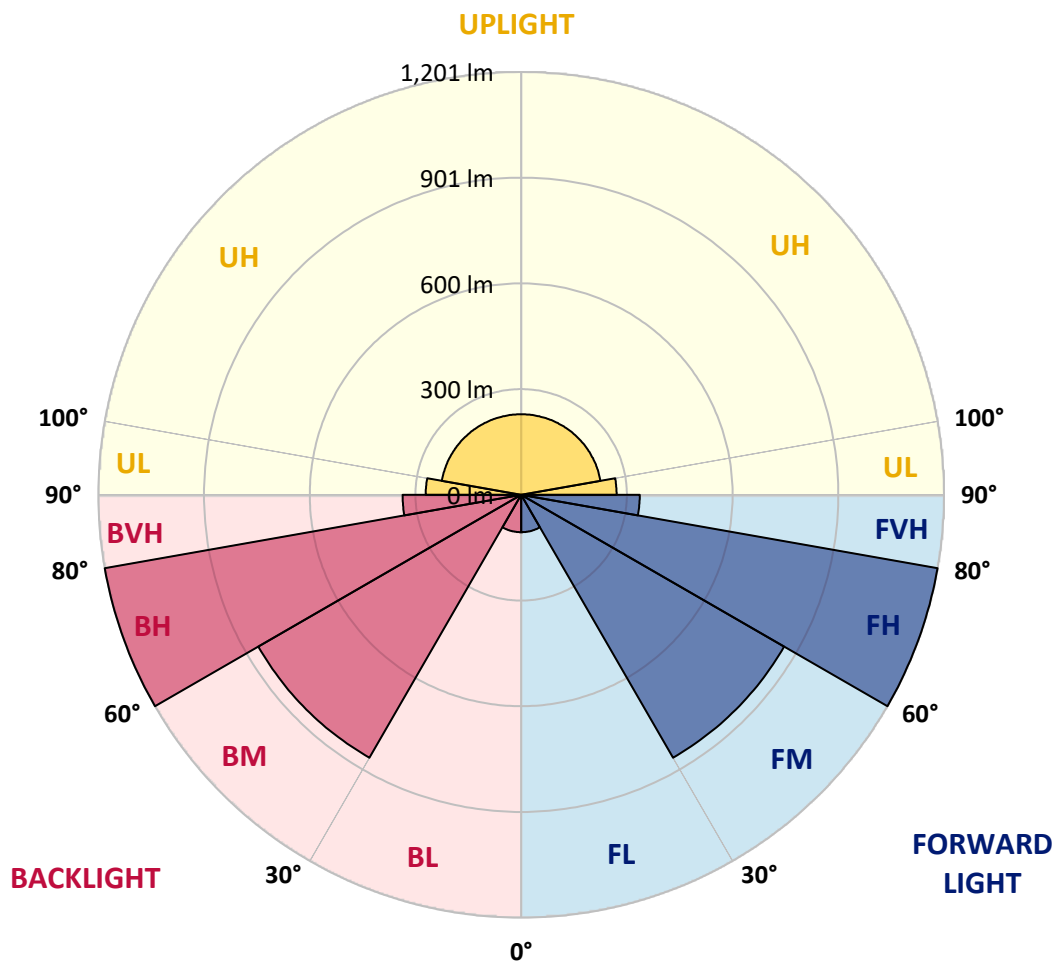
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.3	1.9			
FM (30°-60°)	862.2	15.8			
FH (60°-80°)	1200.8	22.0			G1/1800
FVH (80°-90°)	336.8	6.2			G3/500
BL (0°-30°)	106.3	1.9	B0/110		
BM (30°-60°)	862.2	15.8	B1/1000		
BH (60°-80°)	1200.8	22.0	B3/2500		G1/1800
BVH (80°-90°)	336.8	6.2			G3/500
UL (90°-100°)	271.1	5.0		U3/500	
UH (100°-180°)	228.7	4.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P254790

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	128.8	128.8	128.8
5°	133.9	134.5	134.5	134.5	134.5	134.5	134.5	133.9	133.9	133.9	133.9
7.5°	142.6	142.6	142.6	142.6	142.6	142.0	142.0	142.0	141.4	141.4	140.7
10°	156.3	156.3	156.3	155.8	155.1	154.5	154.5	153.8	153.3	153.3	152.6
12.5°	174.5	174.5	174.5	171.4	170.8	169.6	169.6	169.6	170.1	170.1	170.8
15°	196.4	196.4	196.4	192.7	190.1	187.1	188.3	188.9	190.1	190.1	190.7
17.5°	221.5	221.5	220.1	216.5	212.7	210.8	209.6	211.4	212.7	213.9	213.9
20°	249.0	249.0	247.0	242.1	238.3	237.1	235.8	235.8	239.0	240.2	239.0
22.5°	280.2	278.9	277.7	271.5	267.6	264.6	264.6	264.0	267.6	270.2	269.7
25°	315.9	314.6	310.9	304.0	299.6	295.9	295.2	295.2	301.4	305.3	304.7
27.5°	354.6	352.8	347.8	340.3	333.3	328.5	329.0	331.5	337.2	344.0	344.0
30°	397.1	395.9	387.9	380.3	369.1	362.8	364.1	370.9	378.5	385.9	386.6
32.5°	444.1	441.6	432.2	422.2	408.4	400.3	402.8	411.0	422.2	433.4	434.1
35°	496.0	493.6	482.3	468.5	451.0	440.4	444.1	456.6	471.7	484.8	485.4
37.5°	552.3	548.6	534.9	520.4	496.7	484.1	490.3	506.6	524.2	539.2	541.1
40°	609.8	609.8	594.9	575.5	546.8	531.6	538.5	560.5	583.0	596.8	599.9
42.5°	674.3	674.9	658.1	634.9	601.2	583.7	591.7	617.5	644.9	659.9	663.1
45°	741.9	743.7	731.3	698.7	659.9	638.6	648.0	680.5	711.2	726.9	729.3
47.5°	814.4	816.9	805.0	767.5	723.1	700.0	709.9	746.9	782.6	797.6	800.0
50°	891.3	893.2	878.9	842.0	791.9	763.7	776.3	817.6	854.4	869.4	873.2
52.5°	970.8	972.7	959.0	922.0	863.8	832.5	847.7	890.8	932.0	945.2	945.7
55°	1050.8	1053.4	1041.5	1001.5	938.9	903.2	920.2	965.9	1010.2	1022.7	1026.5
57.5°	1129.7	1132.2	1127.2	1082.1	1015.2	974.6	993.9	1044.0	1087.7	1097.8	1098.4
60°	1203.5	1207.9	1204.1	1159.7	1087.1	1042.8	1063.4	1116.0	1159.7	1167.9	1169.1
62.5°	1268.6	1271.0	1273.0	1232.9	1150.9	1102.8	1125.9	1180.3	1222.9	1227.8	1227.3
65°	1313.0	1318.0	1324.2	1285.4	1202.8	1150.9	1174.7	1227.8	1267.3	1271.0	1268.6
67.5°	1329.9	1336.8	1350.5	1316.1	1234.7	1180.3	1203.5	1252.8	1286.7	1288.6	1284.3
68°	1329.9	1336.1	1352.4	1318.6	1237.9	1183.5	1206.0	1254.9	1287.3	1287.3	1283.6
70°	1310.4	1319.2	1340.5	1314.8	1238.6	1186.0	1205.3	1247.3	1274.8	1269.8	1264.1
72.5°	1249.2	1259.2	1287.9	1272.4	1209.7	1162.8	1176.6	1207.2	1219.8	1209.7	1204.1
75°	1142.9	1153.4	1192.9	1190.4	1145.9	1107.2	1115.3	1129.0	1129.0	1110.3	1100.2
77.5°	1009.0	1019.0	1057.7	1073.4	1052.1	1023.3	1023.3	1020.3	1004.6	973.3	964.5
80°	850.0	858.9	900.1	933.3	929.6	913.3	905.8	885.8	858.2	823.9	811.2
82.5°	691.2	700.6	740.7	774.4	796.3	790.1	777.0	745.5	704.9	666.8	659.3
85°	547.9	551.1	592.9	636.1	661.1	663.6	649.9	609.8	567.9	530.5	521.7
87.5°	427.2	431.6	466.0	509.8	540.4	542.9	529.2	488.5	447.9	414.1	406.6
90°	328.5	335.3	362.8	402.2	431.6	437.9	424.2	387.9	349.6	319.0	312.8
92.5°	253.4	257.8	282.1	315.9	342.7	350.9	338.3	306.5	273.3	246.5	243.9
95°	199.0	200.2	219.6	248.3	270.9	281.5	269.7	242.7	213.9	192.1	189.6
97.5°	153.8	156.3	172.0	196.4	217.1	224.0	215.1	192.7	169.0	148.3	146.4
100°	119.4	121.4	135.2	157.0	173.9	180.2	173.2	154.5	132.6	116.4	116.4
102.5°	95.0	95.7	107.0	125.1	138.9	144.4	139.6	123.9	105.1	92.0	92.6
105°	76.3	76.3	85.1	101.3	114.5	118.2	113.8	100.1	83.8	73.9	73.9
107.5°	61.3	62.0	68.9	82.6	94.4	98.3	94.4	82.0	67.5	60.1	60.1



REPORT NUMBER: P254790

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	50.7	50.7	55.7	67.5	78.2	82.0	78.2	66.9	55.0	48.8	48.8
112.5°	41.9	41.9	45.7	55.7	65.0	68.9	65.0	55.0	45.1	40.7	40.7
115°	35.6	35.6	38.1	46.3	54.4	57.6	54.4	46.3	37.5	35.1	35.1
117.5°	30.7	30.7	32.6	38.8	45.7	48.8	45.7	38.1	31.9	30.0	30.0
120°	26.9	26.9	27.6	31.9	38.1	40.7	38.1	31.9	26.9	25.6	25.6
122.5°	23.2	23.2	23.2	26.9	31.9	33.8	31.2	26.9	23.2	22.5	22.5
125°	20.6	20.0	20.6	22.5	26.2	28.7	26.2	22.5	20.0	20.0	20.0
127.5°	18.1	18.1	17.5	18.8	21.9	23.2	21.9	18.8	17.5	17.5	17.5
130°	15.7	15.7	15.7	16.3	17.5	18.8	18.1	16.3	15.7	15.7	15.7
132.5°	13.7	13.7	13.1	13.7	14.4	15.0	14.4	13.1	13.1	13.7	13.7
135°	11.9	11.9	11.9	11.3	11.3	11.9	11.3	11.3	11.9	11.9	11.9
137.5°	10.6	10.6	10.1	9.4	8.7	8.7	8.7	9.4	10.1	10.1	10.6
140°	8.7	8.7	8.0	7.5	6.9	6.9	6.9	7.5	8.0	8.7	8.7
142.5°	7.5	7.5	6.9	5.7	5.0	4.4	5.0	5.7	6.2	6.9	6.9
145°	5.7	5.7	5.0	4.4	3.8	3.2	3.2	4.4	5.0	5.7	5.7
147.5°	4.4	4.4	3.8	3.2	2.5	1.8	1.8	3.2	3.8	4.4	4.4
150°	3.2	3.2	2.5	1.8	1.2	1.2	1.2	1.8	2.5	2.5	3.2
152.5°	1.8	1.8	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.8	1.8
155°	0.6	1.2	0.6	0.6	0.6	0.0	0.6	0.6	0.6	1.2	1.2
157.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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

(END OF REPORT)