

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: P415124

Luminaire Tested: **LXF.LXT-PA1-40-750-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023 lumens
Efficiency: N/A
Efficacy: 125.6 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): 40
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

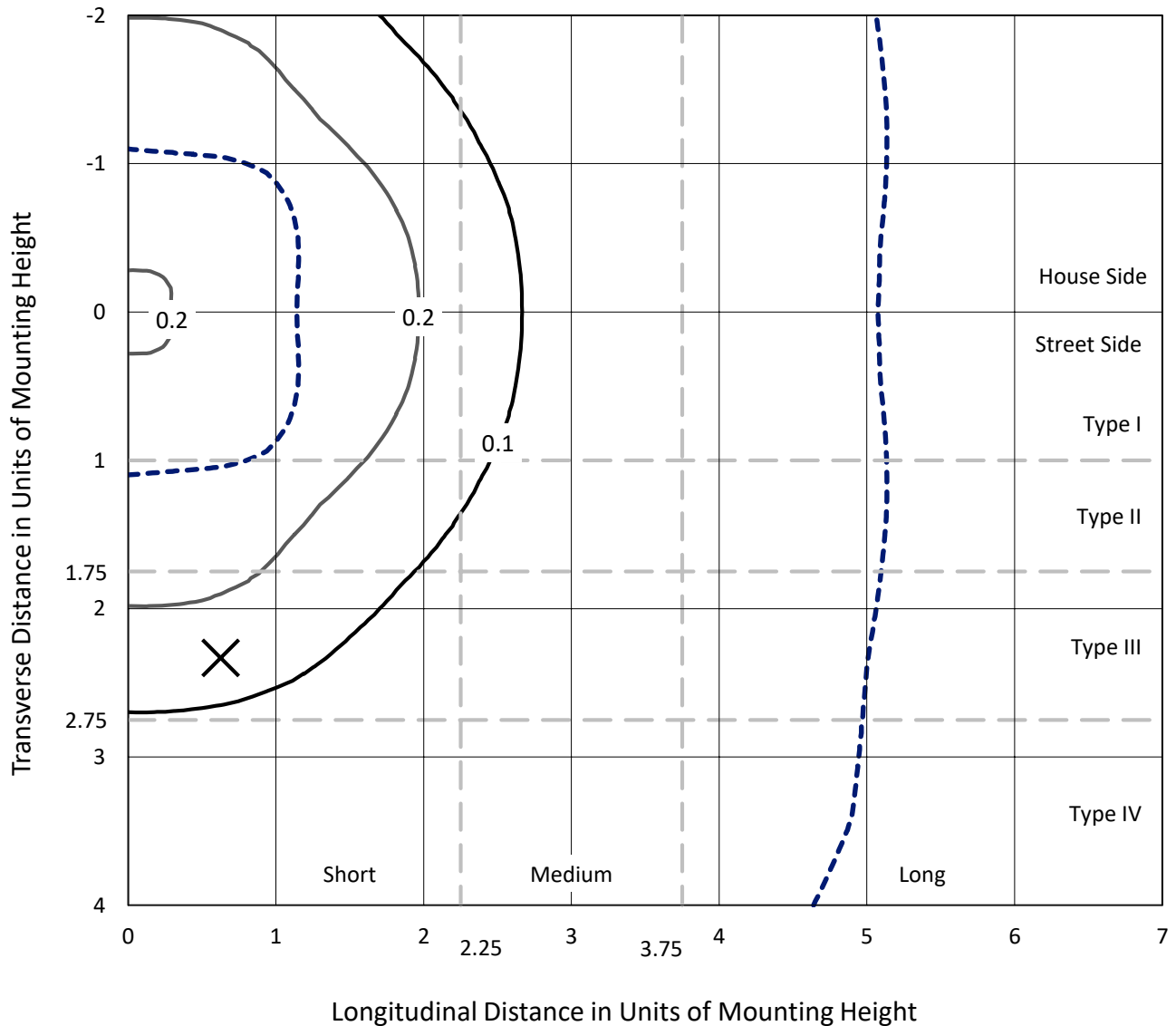


REPORT NUMBER: P415124

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

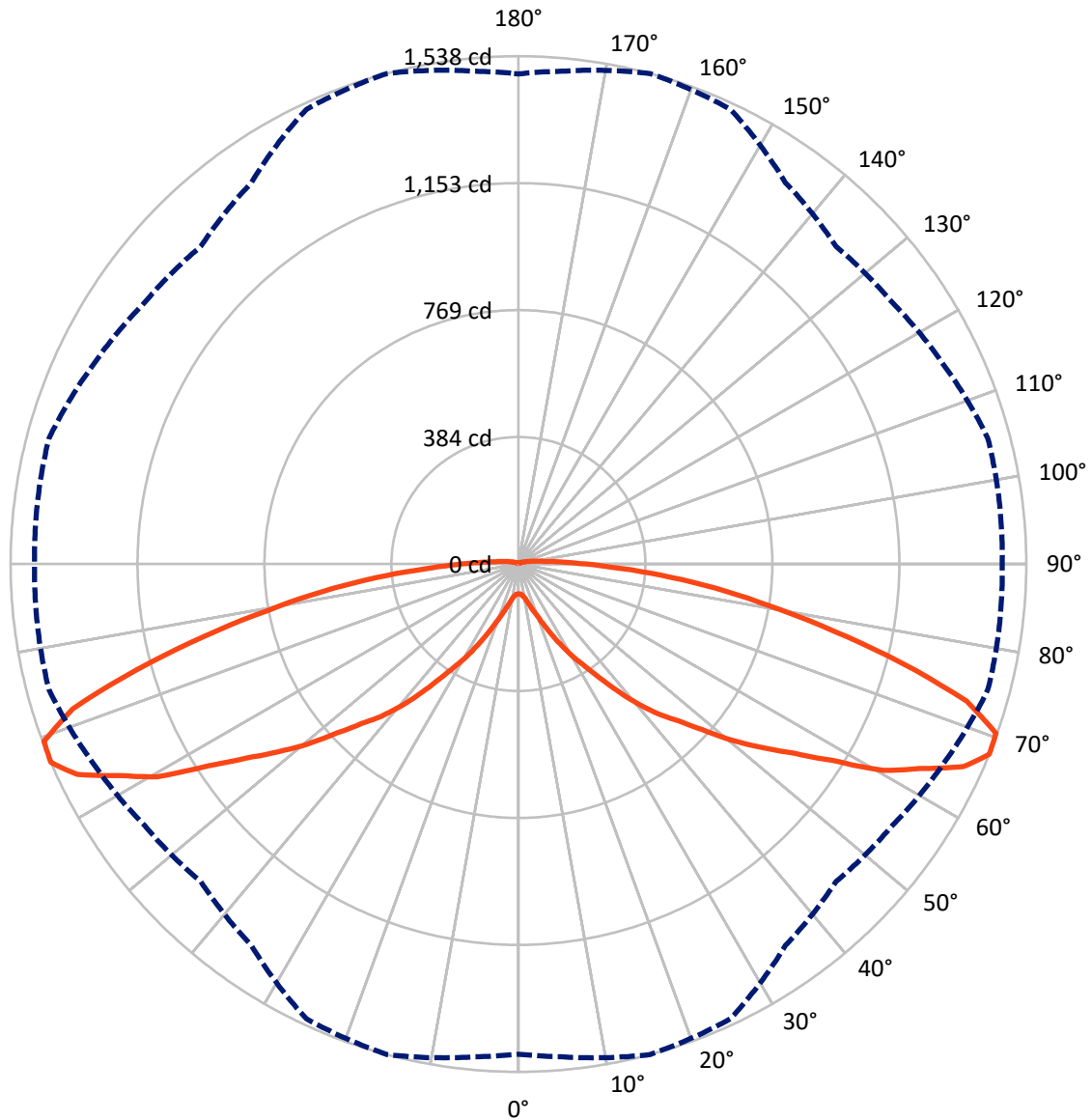


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415124

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-A

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P415124

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-A

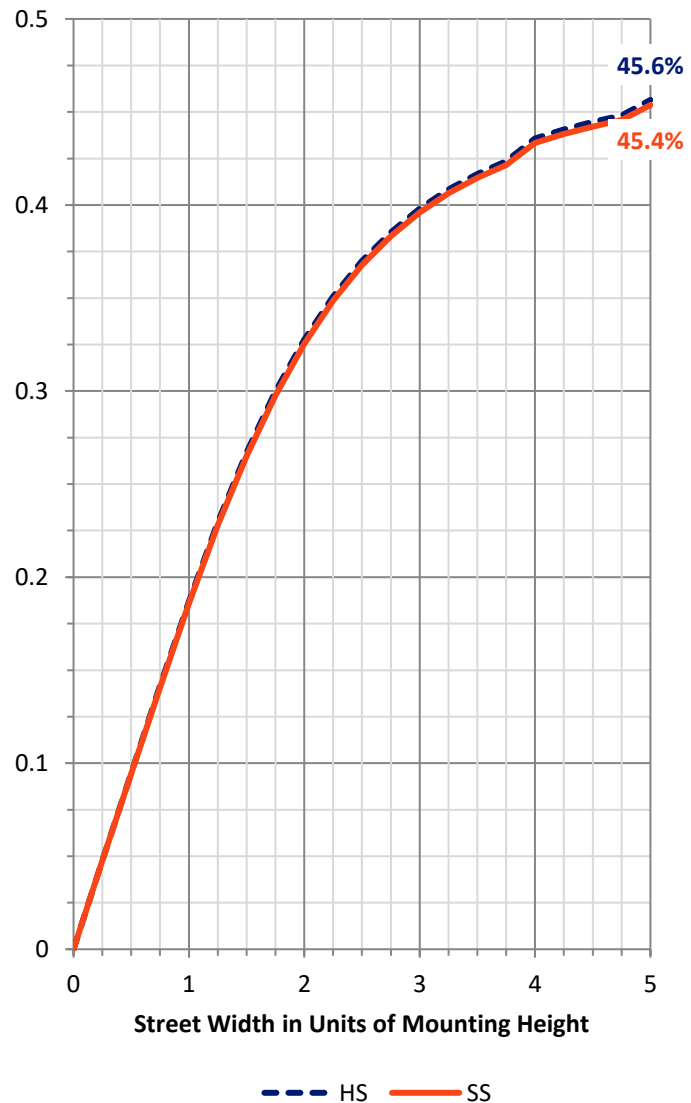
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2412.4	99.1	2511.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2412.4	99.1	2511.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	4824.8	198.2	5023.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.2
10°-20°	37.5	0.7
20°-30°	108.2	2.2
30°-40°	254.7	5.1
40°-50°	480.0	9.6
50°-60°	856.2	17.0
60°-70°	1353.5	26.9
70°-80°	1192.5	23.7
80°-90°	533.0	10.6
90°-100°	132.4	2.6
100°-110°	36.5	0.7
110°-120°	14.6	0.3
120°-130°	7.8	0.2
130°-140°	4.5	0.1
140°-150°	1.9	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4824.8	96.1
0°-180°	5023.0	100.0



REPORT NUMBER: P415124

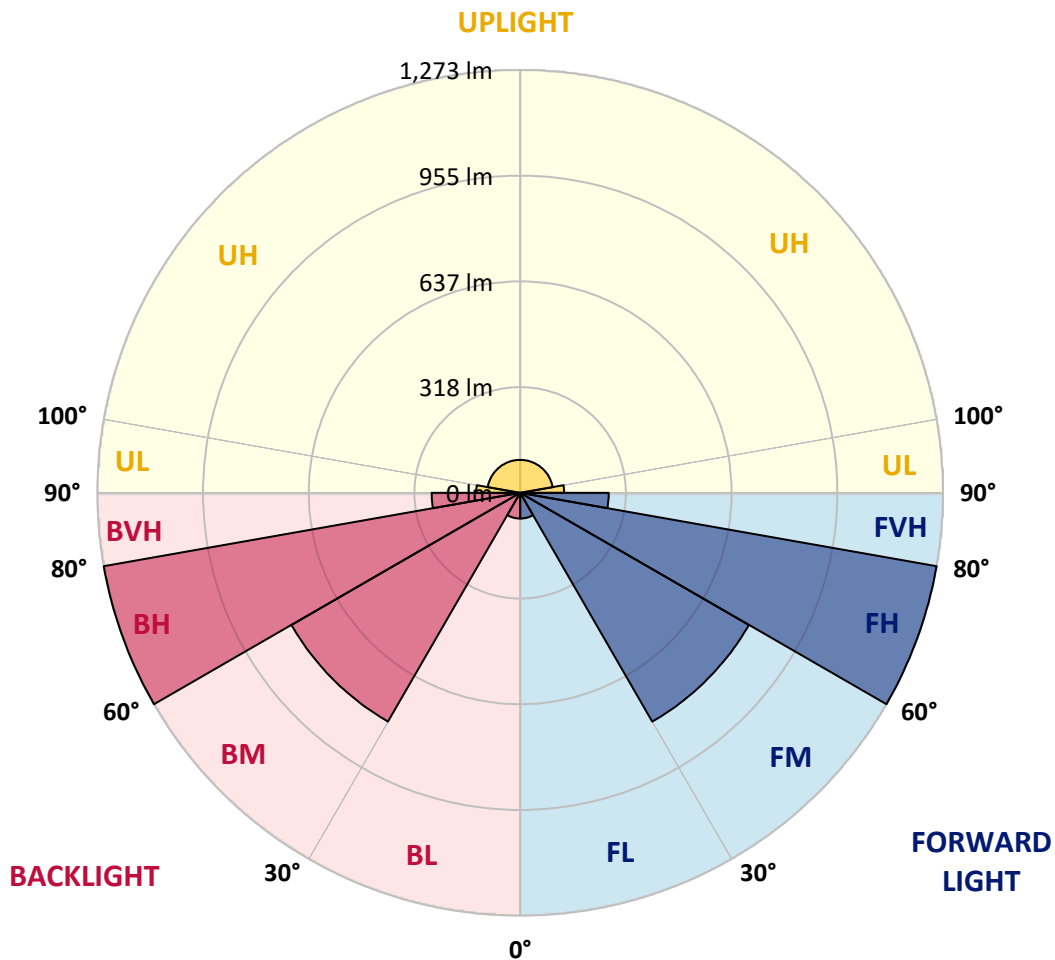
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.4	1.5			
FM (30°-60°)	795.4	15.8			
FH (60°-80°)	1273.0	25.3			G1/1800
FVH (80°-90°)	266.5	5.3			G3/500
BL (0°-30°)	77.4	1.5	B0/110		
BM (30°-60°)	795.4	15.8	B1/1000		
BH (60°-80°)	1273.0	25.3	B3/2500		G1/1800
BVH (80°-90°)	266.5	5.3			G3/500
UL (90°-100°)	132.4	2.6		U3/500	
UH (100°-180°)	99.1	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P415124

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	90.3	90.3	90.9	90.9	91.4	92.0	91.4	90.9	90.3	89.8	89.8
5°	93.1	93.1	93.1	93.1	93.6	93.6	93.1	92.0	91.4	90.9	90.9
7.5°	97.5	97.5	97.5	97.5	97.5	96.9	95.8	94.7	94.2	93.6	93.6
10°	104.6	104.6	103.5	103.5	102.9	102.4	101.3	100.2	99.1	99.6	99.6
12.5°	116.6	117.2	115.5	112.8	110.6	109.5	109.0	109.0	110.6	110.6	111.1
15°	134.1	134.1	131.4	127.6	123.2	119.9	121.0	123.7	126.5	128.1	128.1
17.5°	153.3	153.3	150.6	145.6	139.6	138.0	137.4	140.2	146.2	148.4	148.9
20°	177.4	177.4	172.5	165.3	159.9	157.7	157.7	162.1	168.6	173.6	173.0
22.5°	210.2	209.7	202.6	190.5	183.4	180.1	179.6	185.6	197.1	204.8	207.0
25°	249.7	249.1	239.8	223.9	213.0	204.2	206.4	216.8	234.3	246.4	246.4
27.5°	294.5	292.4	280.3	262.8	246.4	234.9	238.2	252.9	274.8	291.3	291.8
30°	338.3	338.3	325.2	304.4	282.5	268.3	272.1	292.9	319.2	344.9	345.5
32.5°	384.9	384.3	367.9	347.1	320.3	304.4	310.4	336.2	373.4	403.0	408.4
35°	444.6	445.1	422.1	393.6	359.7	342.2	350.4	383.8	428.1	463.7	467.0
37.5°	508.6	511.9	486.7	450.0	404.6	383.2	395.3	434.2	485.6	522.9	522.9
40°	577.6	579.2	556.2	509.7	455.0	427.0	442.9	484.5	523.9	555.7	557.3
42.5°	636.2	637.8	619.8	574.3	513.0	479.6	488.9	520.7	557.9	593.5	596.8
45°	682.2	687.6	676.7	637.8	575.4	534.9	533.8	566.1	611.0	648.2	652.6
47.5°	765.4	768.1	749.0	703.0	639.5	595.1	590.7	623.0	681.6	721.6	724.3
50°	838.8	847.0	839.8	790.6	715.0	661.4	661.9	704.6	768.1	808.6	812.5
52.5°	921.4	925.3	923.1	880.9	807.5	744.0	751.2	799.3	867.8	893.0	897.3
55°	997.0	1003.0	1010.7	979.5	906.6	850.8	857.4	908.8	954.8	978.9	981.1
57.5°	1116.9	1122.9	1122.4	1076.4	1013.9	959.7	970.7	1011.2	1071.4	1112.5	1119.6
60°	1247.2	1255.9	1269.6	1209.9	1116.3	1078.6	1092.2	1150.8	1219.3	1225.3	1232.9
62.5°	1334.2	1338.6	1364.3	1344.6	1235.7	1190.2	1226.4	1276.2	1311.8	1317.3	1315.1
65°	1448.1	1462.3	1480.4	1435.0	1347.4	1285.0	1326.6	1363.8	1427.8	1433.3	1432.2
67.5°	1484.2	1497.9	1537.9	1519.3	1409.8	1360.0	1381.3	1422.4	1471.6	1467.3	1465.1
70°	1487.0	1500.1	1534.1	1524.2	1424.0	1355.0	1376.9	1392.8	1438.3	1438.8	1432.8
72.5°	1338.1	1361.1	1419.1	1436.6	1349.0	1278.4	1280.0	1279.5	1282.8	1246.6	1232.4
75°	1127.3	1143.7	1200.6	1242.8	1197.9	1137.1	1136.0	1090.0	1080.2	1052.8	1043.0
77.5°	902.8	923.1	977.8	1023.8	1007.9	975.1	958.1	906.1	891.9	860.7	864.5
80°	701.9	717.8	772.0	831.6	836.0	813.0	794.4	751.7	723.8	697.5	686.0
82.5°	540.4	554.1	600.6	665.2	692.0	689.3	663.0	614.8	589.6	564.5	549.7
85°	373.4	385.4	431.4	509.7	557.9	574.9	545.3	484.5	439.6	404.0	395.8
87.5°	240.9	246.4	283.1	350.9	423.2	463.2	432.0	355.9	299.5	271.0	261.7
90°	150.6	158.8	185.1	227.2	297.8	348.7	317.0	239.8	199.3	170.3	164.2
92.5°	104.6	103.5	121.5	151.1	203.1	244.7	217.4	158.8	125.9	106.8	102.9
95°	69.0	71.7	81.6	100.2	137.4	163.2	143.4	105.7	82.7	69.0	67.3
97.5°	51.5	52.0	59.7	71.2	93.6	107.3	95.3	73.4	58.6	49.8	49.3
100°	40.5	41.1	46.5	53.1	65.7	74.5	66.8	55.3	45.4	38.9	38.9
102.5°	31.8	32.3	36.1	41.6	49.8	55.3	50.9	42.7	35.6	30.7	30.1
105°	25.2	25.2	28.5	32.8	38.9	42.7	40.0	33.4	27.4	24.1	24.1
107.5°	19.7	20.3	22.4	25.7	31.2	35.0	31.8	25.7	21.4	18.6	18.6
110°	15.9	15.9	17.5	20.8	25.2	28.5	25.7	20.8	17.0	15.3	15.3



REPORT NUMBER: P415124

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.1	13.1	14.2	17.0	20.8	23.5	20.8	17.0	13.7	12.6	12.6
115°	10.9	10.9	12.0	13.7	17.5	19.2	17.5	13.7	11.5	10.4	10.4
117.5°	9.9	9.9	10.4	12.0	14.8	15.9	14.8	11.5	9.9	9.3	9.3
120°	8.8	8.8	9.3	10.4	12.6	13.7	12.6	10.4	8.8	8.2	8.2
122.5°	8.2	8.2	8.2	9.3	11.5	12.0	10.9	9.3	7.7	7.7	7.7
125°	7.7	7.7	7.7	8.2	9.9	10.4	9.9	8.2	7.1	7.1	7.1
127.5°	7.1	7.1	7.1	7.7	8.8	9.3	8.8	7.7	6.6	6.6	6.6
130°	7.1	7.1	6.6	7.1	7.7	8.2	7.7	7.1	6.6	6.0	6.6
132.5°	6.6	6.6	6.6	6.6	7.1	7.1	7.1	6.6	6.0	6.0	6.0
135°	6.0	6.0	5.5	5.5	6.0	6.6	6.0	5.5	5.5	5.5	5.5
137.5°	5.5	4.9	4.9	4.9	5.5	5.5	5.5	4.9	4.9	4.9	4.9
140°	4.4	4.4	4.4	4.4	4.4	4.9	4.4	3.8	3.8	4.4	4.4
142.5°	3.8	3.8	3.8	3.3	3.8	3.8	3.8	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	2.7	3.3	3.3	3.3	2.7	2.7	2.7	2.7
147.5°	2.2	2.7	2.2	2.2	2.7	2.7	2.2	2.2	2.2	2.2	2.2
150°	1.6	1.6	1.6	1.6	2.2	2.2	1.6	1.6	1.6	1.6	1.6
152.5°	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.6	1.6	1.1	1.1	1.1	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	1.1	1.6	1.1	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.0	0.5	1.1	1.6	1.1	0.5	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)