

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: P695662

Luminaire Tested: **LXF.LXT-PA16-60-740-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-740-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7147 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

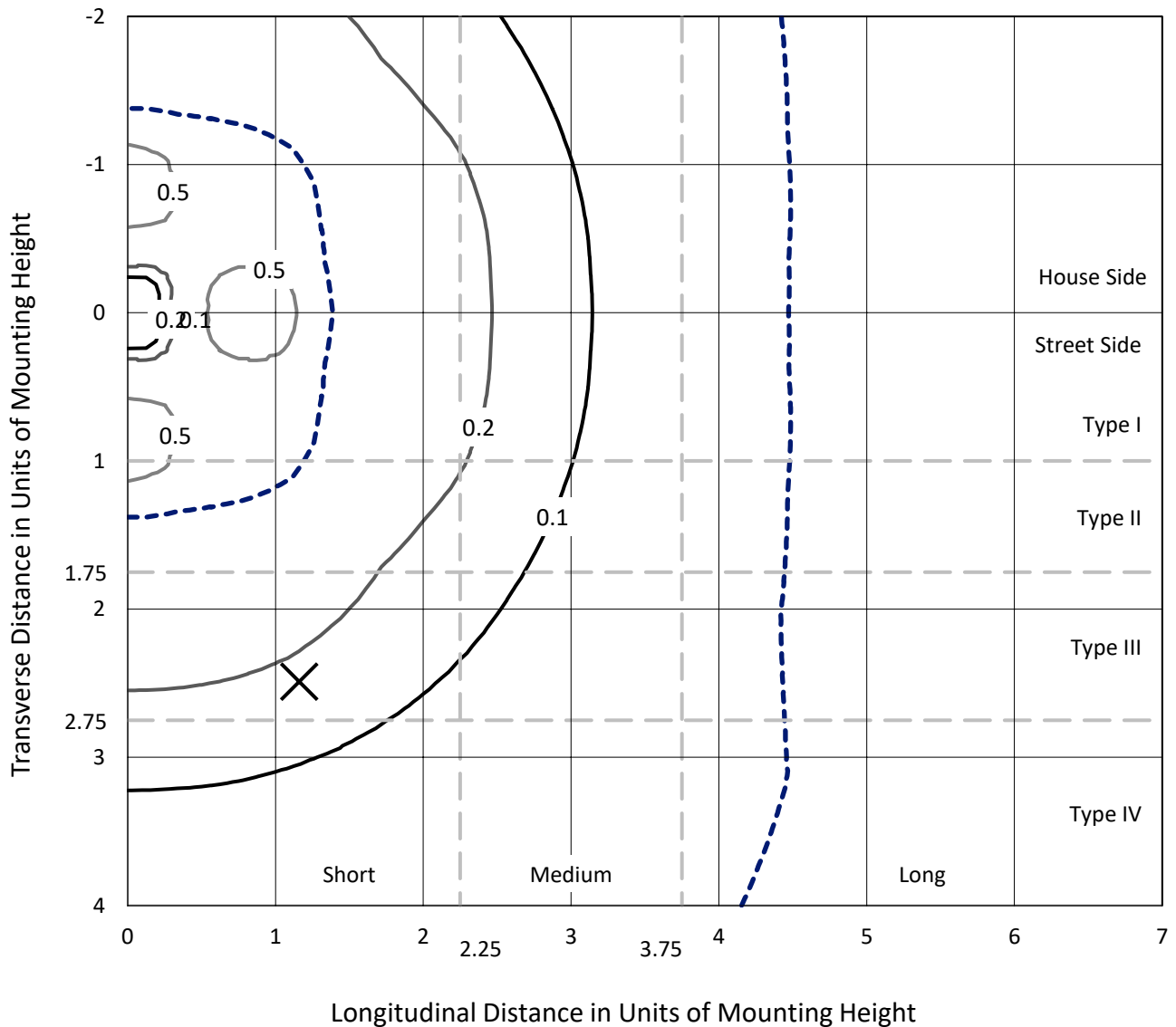
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695662
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

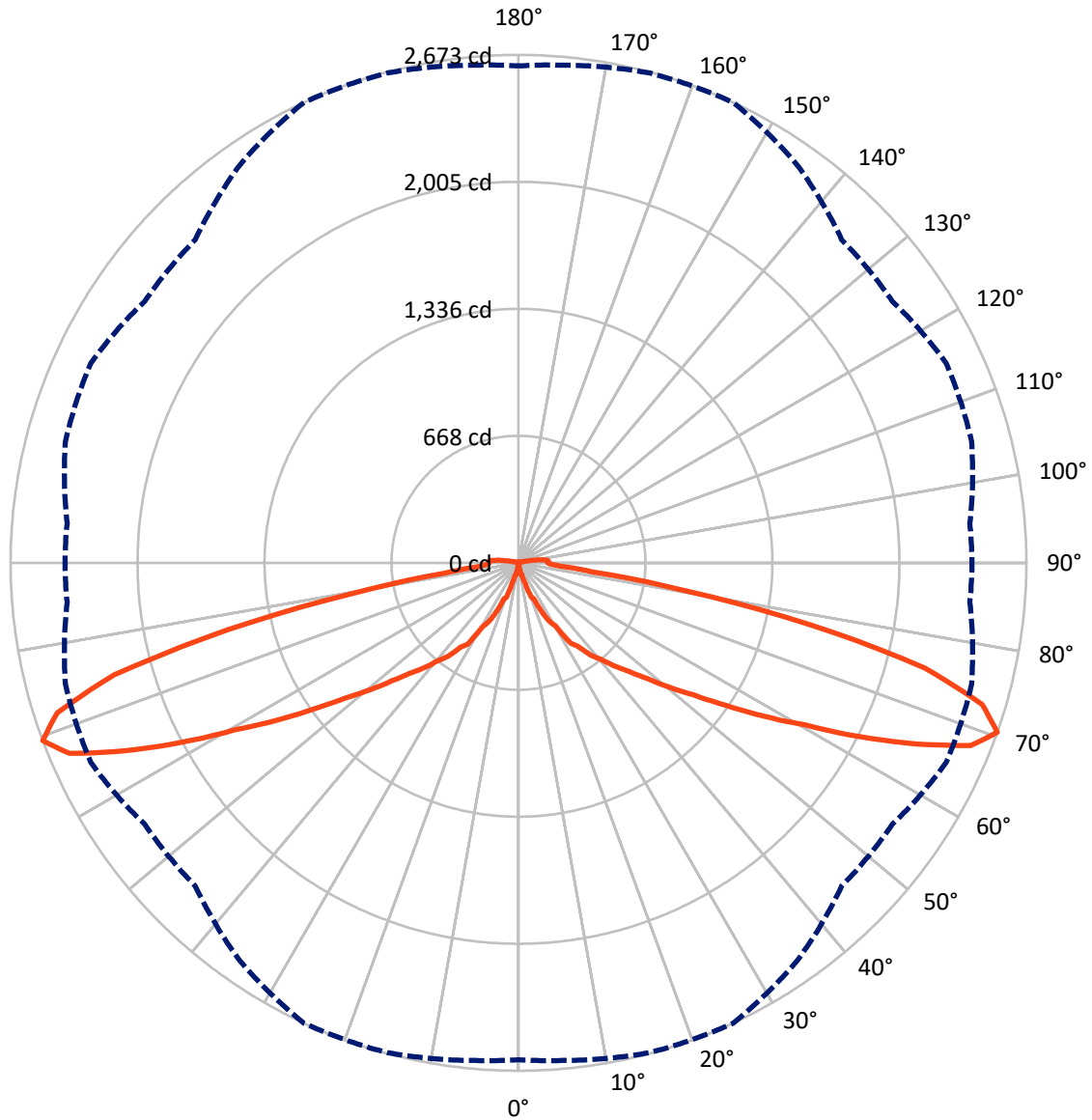
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P695662
CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695662
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-CL

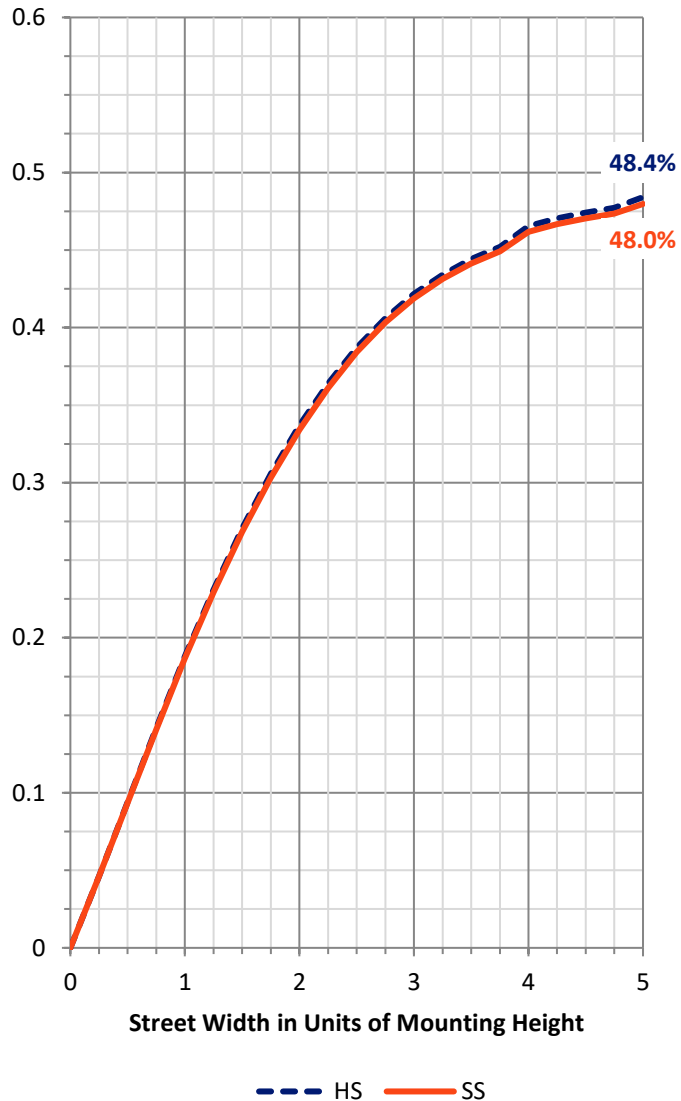
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3484.2	89.3	3573.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3484.2	89.3	3573.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	6968.3	178.7	7147.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	27.1	0.4
20°-30°	143.0	2.0
30°-40°	359.4	5.0
40°-50°	654.6	9.2
50°-60°	1193.6	16.7
60°-70°	2159.2	30.2
70°-80°	2056.4	28.8
80°-90°	374.6	5.2
90°-100°	144.9	2.0
100°-110°	21.1	0.3
110°-120°	5.5	0.1
120°-130°	3.4	0.0
130°-140°	2.1	0.0
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6968.3	97.5
0°-180°	7147.0	100.0

Coefficient of Utilization



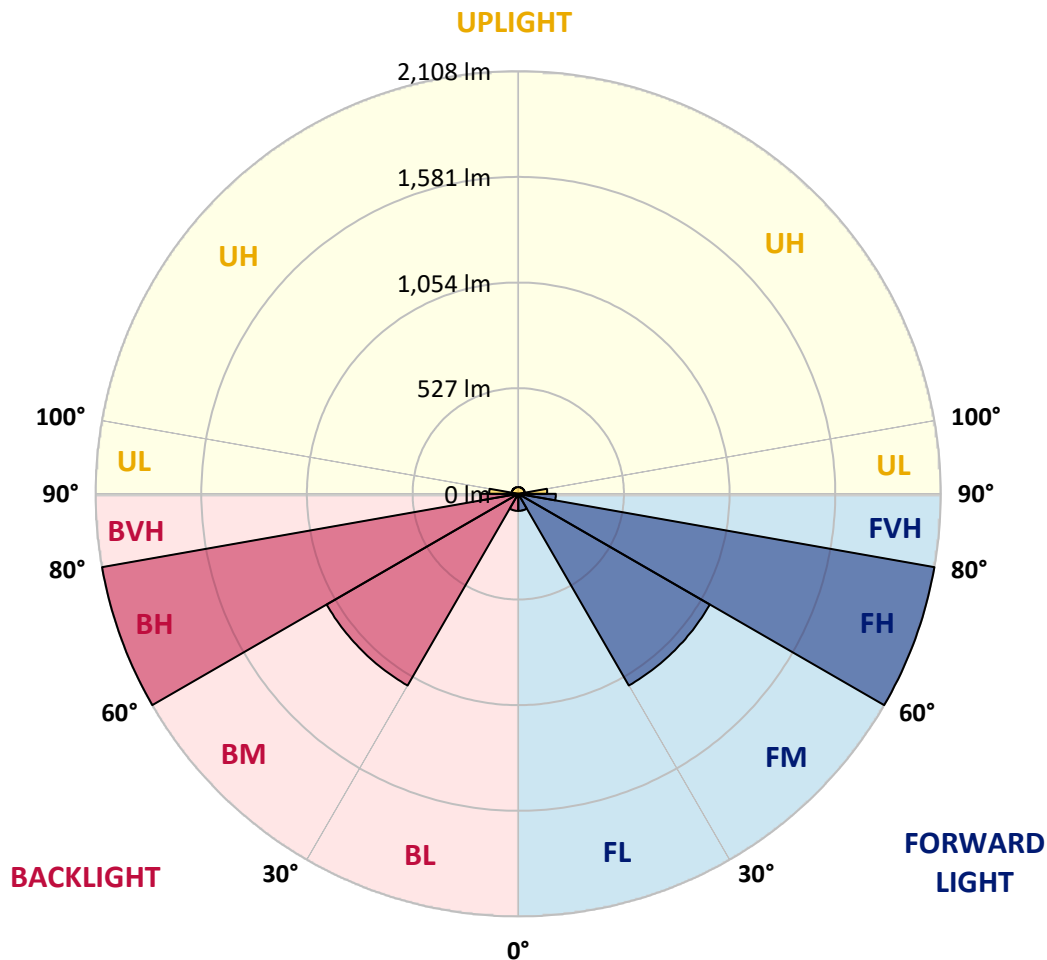
REPORT NUMBER: P695662
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.3	1.2			
FM (30°-60°)	1103.8	15.4			
FH (60°-80°)	2107.8	29.5			G2/5000
FVH (80°-90°)	187.3	2.6			G2/225
BL (0°-30°)	85.3	1.2	B0/110		
BM (30°-60°)	1103.8	15.4	B2/2500		
BH (60°-80°)	2107.8	29.5	B3/2500		G2/5000
BVH (80°-90°)	187.3	2.6			G2/225
UL (90°-100°)	144.9	2.0		U3/500	
UH (100°-180°)	33.7	0.5		U2/50	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P695662
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
7.5°	4.7	4.7	4.7	2.3	4.7	2.3	4.7	2.3	2.3	4.7	4.7
10°	48.9	41.9	21.0	14.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7
12.5°	65.2	65.2	62.9	60.5	51.2	14.0	7.0	14.0	23.3	48.9	53.6
15°	79.2	79.2	72.2	67.5	62.9	53.6	51.2	95.5	114.1	121.1	125.7
17.5°	193.3	193.3	177.0	111.8	72.2	100.1	137.4	125.7	132.7	135.0	137.4
20°	209.6	207.2	200.2	193.3	158.3	146.7	158.3	149.0	195.6	211.9	232.8
22.5°	274.7	258.4	228.2	204.9	221.2	197.9	183.9	253.8	270.1	281.7	284.1
25°	360.9	358.6	349.3	291.0	253.8	246.8	260.8	295.7	302.7	321.3	326.0
27.5°	384.2	386.5	367.9	349.3	337.6	307.3	323.6	360.9	419.1	442.4	444.7
30°	537.8	533.2	512.2	388.8	377.2	363.2	384.2	426.1	447.0	472.7	477.3
32.5°	563.5	556.5	549.5	505.2	421.4	414.4	440.1	461.0	563.5	633.3	635.6
35°	663.6	663.6	638.0	540.2	519.2	465.7	484.3	568.1	640.3	670.6	670.6
37.5°	717.1	712.5	691.5	614.7	542.5	519.2	549.5	607.7	679.9	717.1	717.1
40°	777.7	773.0	749.7	668.2	617.0	568.1	610.0	668.2	749.7	782.3	782.3
42.5°	849.8	845.2	819.6	742.7	672.9	628.7	663.6	747.4	819.6	840.5	849.8
45°	936.0	929.0	905.7	814.9	740.4	684.5	717.1	824.2	898.7	938.3	933.7
47.5°	1036.1	1026.8	1001.2	910.4	828.9	756.7	796.3	924.3	1010.5	1036.1	1043.1
50°	1138.6	1133.9	1122.3	1029.1	924.3	854.5	905.7	1040.8	1124.6	1138.6	1143.2
52.5°	1252.6	1241.0	1243.3	1154.9	1054.7	980.2	1040.8	1143.2	1252.6	1250.3	1248.0
55°	1385.4	1383.0	1390.0	1324.8	1210.7	1129.2	1196.8	1324.8	1394.7	1387.7	1373.7
57.5°	1541.4	1541.4	1560.0	1522.7	1413.3	1329.5	1373.7	1511.1	1550.7	1525.1	1518.1
60°	1746.3	1734.6	1767.2	1732.3	1657.8	1546.0	1601.9	1720.6	1736.9	1704.3	1711.3
62.5°	2002.4	1997.7	2016.3	2014.0	1925.5	1795.1	1853.4	1960.5	1979.1	1951.1	1962.8
65°	2286.4	2281.8	2305.1	2298.1	2197.9	2058.2	2109.5	2228.2	2228.2	2174.7	2179.3
67.5°	2519.3	2519.3	2554.2	2565.8	2428.5	2251.5	2286.4	2423.8	2414.5	2347.0	2349.3
70°	2614.7	2628.7	2668.3	2672.9	2556.5	2405.2	2400.5	2484.3	2468.0	2384.2	2386.5
72.5°	2451.7	2458.7	2528.6	2551.9	2526.2	2458.7	2386.5	2333.0	2293.4	2235.2	2235.2
75°	1986.1	1981.4	2072.2	2207.3	2284.1	2351.6	2181.6	2028.0	1969.8	1918.5	1937.2
77.5°	1262.0	1241.0	1343.4	1574.0	1783.5	1981.4	1795.1	1569.3	1418.0	1322.5	1308.5
80°	556.5	568.1	651.9	889.4	1171.2	1387.7	1250.3	919.7	712.5	579.8	540.2
82.5°	246.8	251.5	286.4	391.2	651.9	814.9	691.5	421.4	291.0	258.4	256.1
85°	170.0	179.3	174.6	214.2	302.7	365.5	319.0	211.9	177.0	167.6	160.7
87.5°	156.0	158.3	149.0	163.0	200.2	186.3	186.3	151.3	128.1	139.7	137.4
90°	163.0	165.3	149.0	153.7	183.9	165.3	172.3	142.0	132.7	149.0	146.7
92.5°	165.3	177.0	163.0	158.3	183.9	181.6	172.3	146.7	144.4	160.7	158.3
95°	146.7	163.0	146.7	149.0	170.0	172.3	163.0	144.4	149.0	160.7	165.3
97.5°	88.5	95.5	95.5	109.4	118.7	125.7	121.1	104.8	88.5	83.8	79.2
100°	32.6	32.6	46.6	69.9	65.2	53.6	67.5	67.5	39.6	21.0	14.0
102.5°	14.0	14.0	27.9	39.6	27.9	18.6	30.3	41.9	25.6	14.0	11.6
105°	14.0	14.0	16.3	21.0	11.6	9.3	11.6	21.0	11.6	11.6	11.6
107.5°	11.6	11.6	9.3	9.3	7.0	7.0	7.0	7.0	9.3	11.6	14.0
110°	11.6	9.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	11.6	11.6

REPORT NUMBER: P695662
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.3	7.0	4.7	4.7	4.7	7.0	4.7	4.7	4.7	7.0	7.0
115°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0
117.5°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0
120°	7.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	4.7	7.0	7.0
122.5°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
125°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
127.5°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
130°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
132.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
135°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)