

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: P695664

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6914 lumens
Efficiency: N/A
Efficacy: 111.5 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 - G3

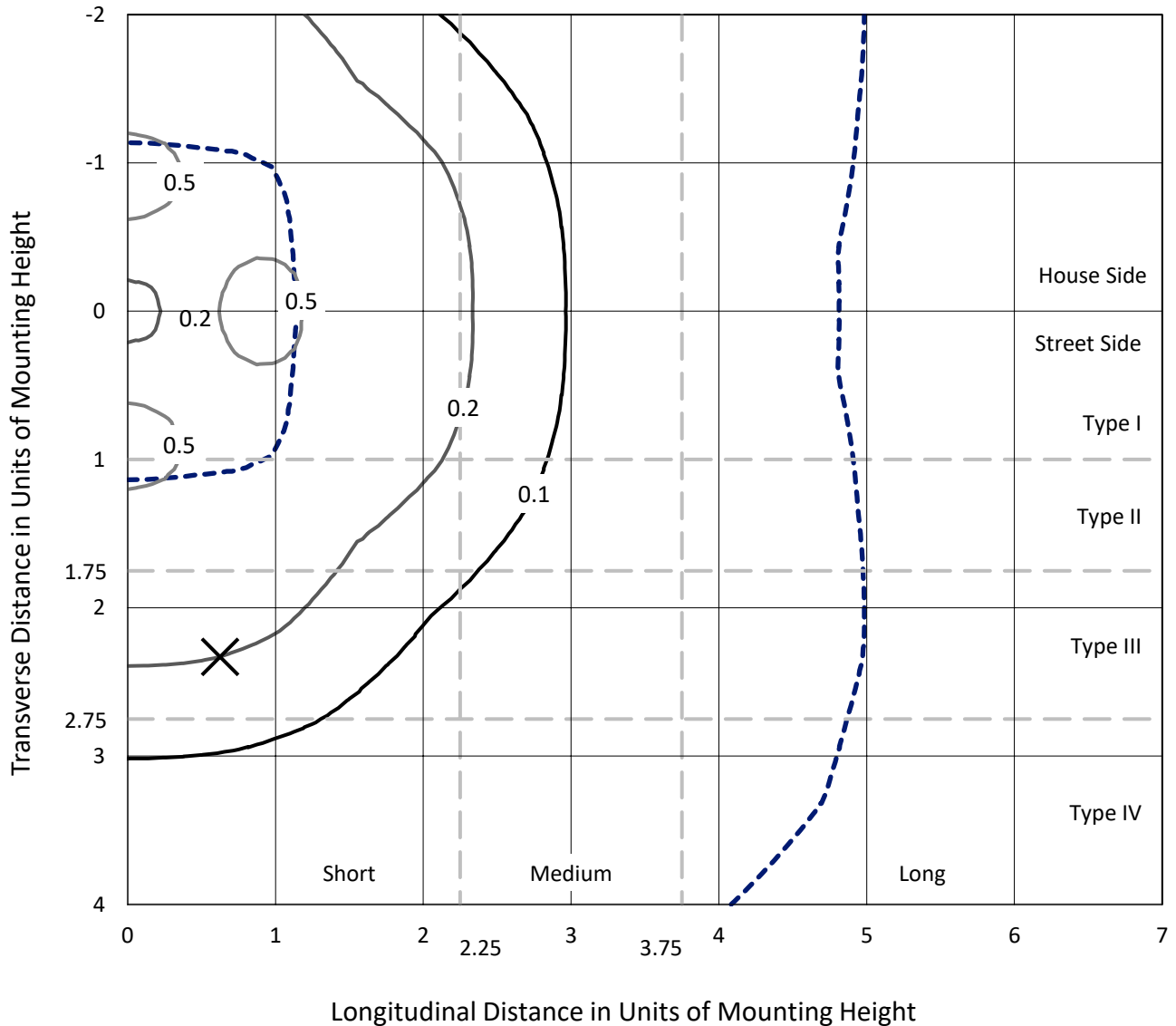
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695664
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

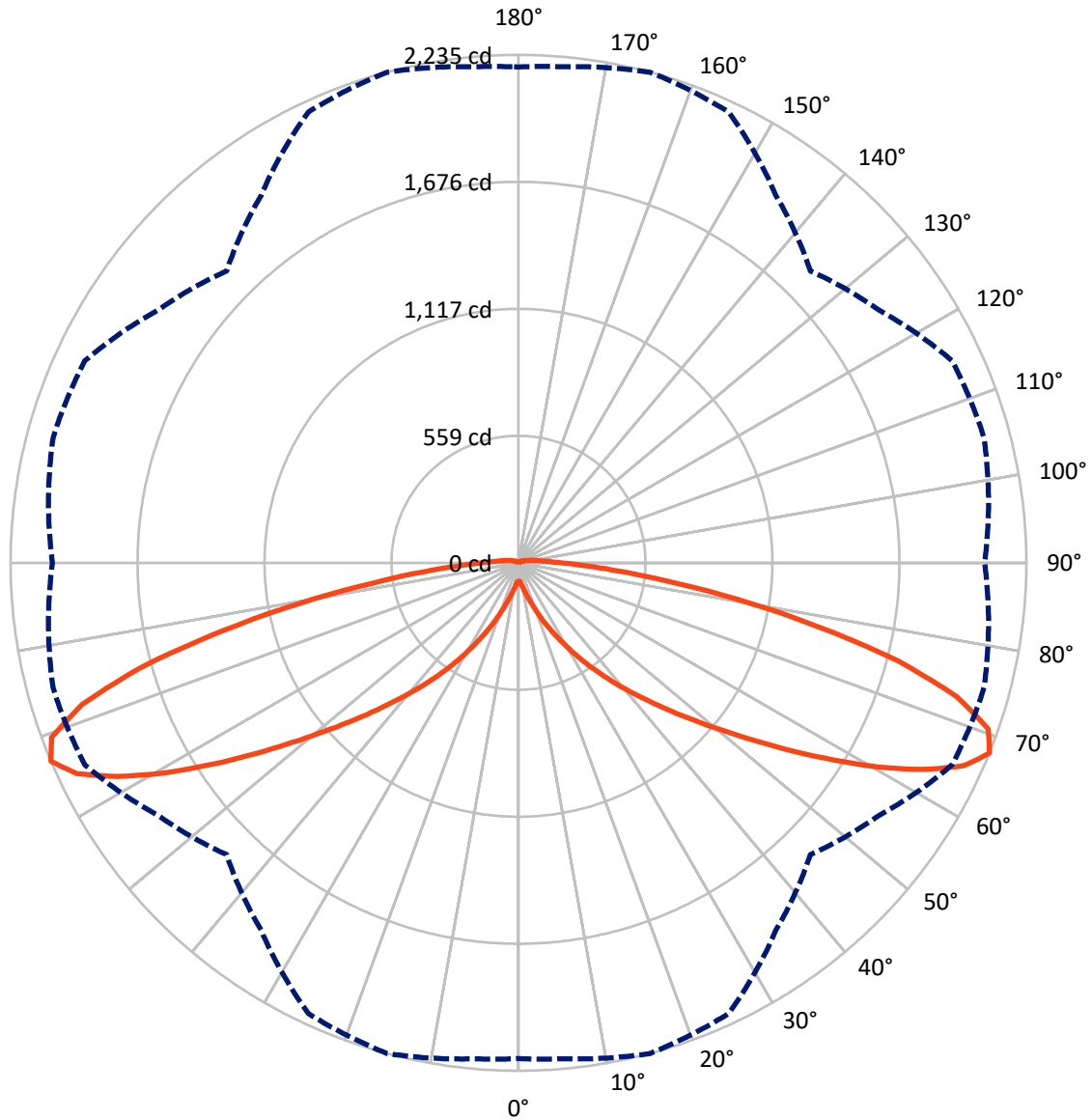
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695664
CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695664
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-TL

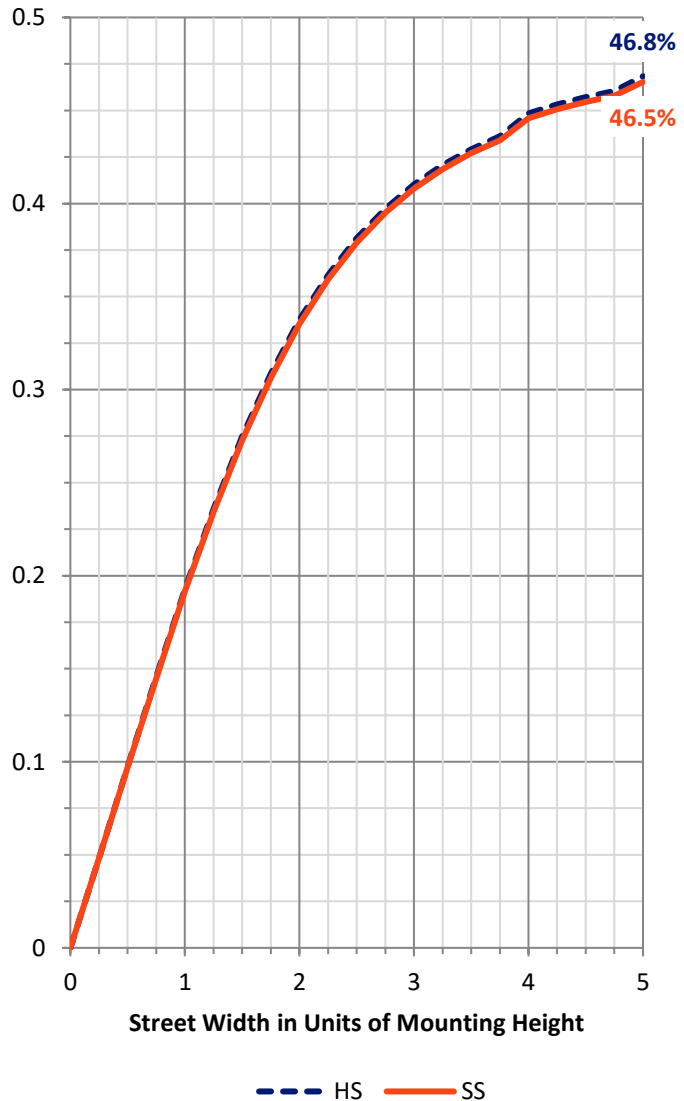
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3345.9	111.1	3457.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	3345.9	111.1	3457.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	6691.7	222.3	6914.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.1
10°-20°	46.9	0.7
20°-30°	147.2	2.1
30°-40°	346.1	5.0
40°-50°	674.9	9.8
50°-60°	1234.7	17.9
60°-70°	1940.3	28.1
70°-80°	1710.6	24.7
80°-90°	581.8	8.4
90°-100°	130.3	1.9
100°-110°	50.0	0.7
110°-120°	22.0	0.3
120°-130°	11.0	0.2
130°-140°	6.0	0.1
140°-150°	2.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6691.7	96.8
0°-180°	6914.0	100.0

Coefficient of Utilization



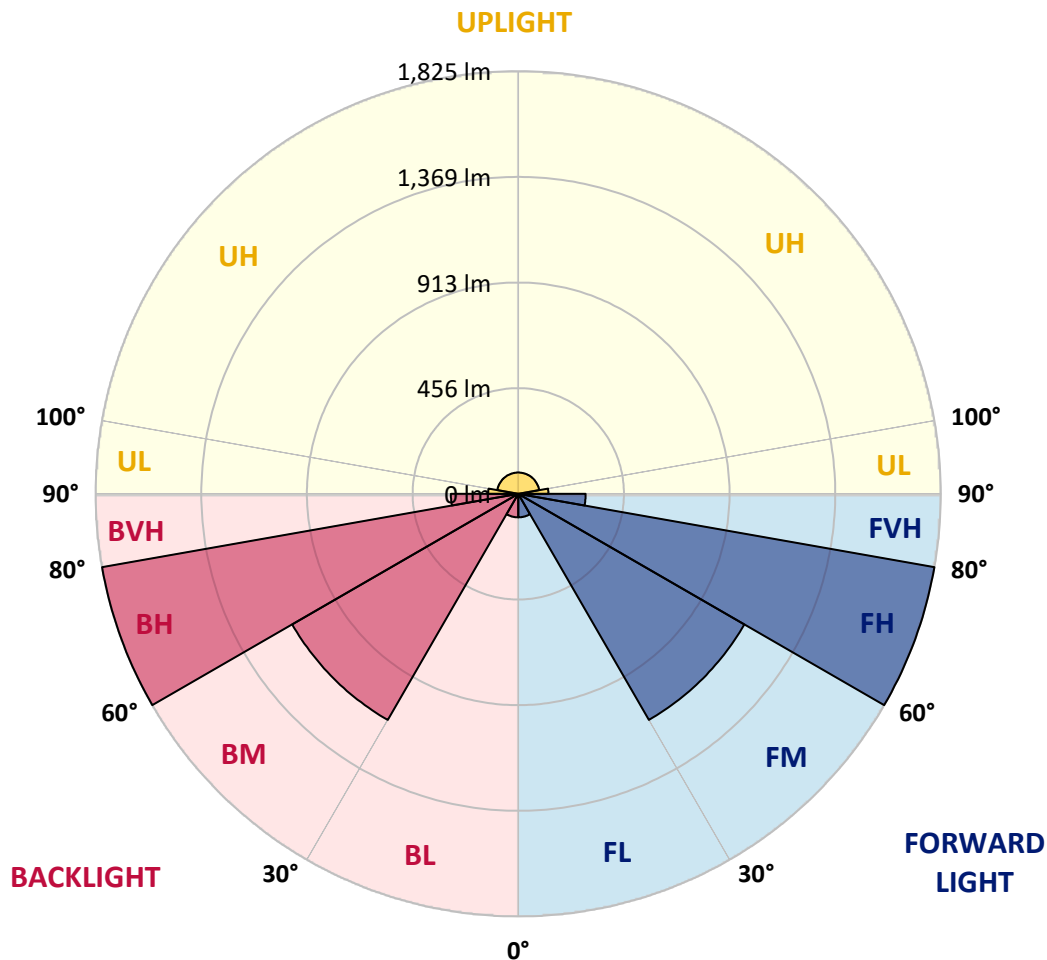
REPORT NUMBER: P695664
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.7	1.5			
FM (30°-60°)	1127.8	16.3			
FH (60°-80°)	1825.4	26.4			G2/5000
FVH (80°-90°)	290.9	4.2			G3/500
BL (0°-30°)	101.7	1.5	B0/110		
BM (30°-60°)	1127.8	16.3	B2/2500		
BH (60°-80°)	1825.4	26.4	B3/2500		G2/5000
BVH (80°-90°)	290.9	4.2			G3/500
UL (90°-100°)	130.3	1.9		U3/500	
UH (100°-180°)	91.9	1.3		U3/500	

BUG Rating: B3-U3-G3

Type V Short



REPORT NUMBER: P695664
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
2.5°	81.5	81.5	81.5	81.5	83.8	83.8	83.8	81.5	81.5	81.5	81.5
5°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	86.1
7.5°	97.8	97.8	97.8	97.8	97.8	100.1	97.8	97.8	97.8	97.8	97.8
10°	114.1	114.1	114.1	114.1	111.7	111.7	111.7	111.7	109.4	111.7	109.4
12.5°	135.0	135.0	135.0	132.7	130.4	130.4	130.4	128.0	130.4	130.4	130.4
15°	162.9	162.9	160.6	158.3	153.6	151.3	153.6	153.6	153.6	156.0	156.0
17.5°	193.2	195.5	190.9	186.2	181.6	181.6	179.2	181.6	186.2	188.5	188.5
20°	237.4	235.1	228.1	221.1	214.1	211.8	211.8	218.8	223.5	225.8	228.1
22.5°	281.7	281.7	274.7	260.7	251.4	246.7	249.1	256.0	267.7	277.0	277.0
25°	337.5	332.9	323.5	304.9	291.0	286.3	288.6	300.3	318.9	325.9	330.5
27.5°	393.4	391.1	377.1	356.1	335.2	325.9	332.9	353.8	374.8	388.7	393.4
30°	458.6	456.2	439.9	412.0	384.1	370.1	381.7	407.3	439.9	456.2	460.9
32.5°	530.7	528.4	507.4	470.2	432.9	419.0	432.9	470.2	507.4	528.4	530.7
35°	607.5	600.5	577.3	535.4	486.5	467.9	486.5	535.4	579.6	607.5	609.9
37.5°	684.3	679.7	654.1	605.2	547.0	523.7	544.7	607.5	656.4	689.0	682.0
40°	763.5	761.2	735.5	677.4	612.2	581.9	614.5	677.4	737.9	772.8	775.1
42.5°	854.3	854.3	821.7	761.2	682.0	647.1	682.0	763.5	831.0	858.9	861.2
45°	954.4	947.4	921.8	856.6	765.8	723.9	765.8	856.6	924.1	956.7	954.4
47.5°	1059.1	1054.4	1031.2	966.0	858.9	814.7	856.6	961.3	1031.2	1054.4	1054.4
50°	1180.1	1175.5	1154.5	1087.0	970.6	917.1	973.0	1077.7	1154.5	1175.5	1168.5
52.5°	1319.8	1305.8	1296.5	1231.3	1105.7	1035.8	1096.3	1222.0	1291.9	1296.5	1296.5
55°	1457.1	1466.4	1459.5	1389.6	1250.0	1166.2	1240.7	1378.0	1440.8	1450.1	1438.5
57.5°	1631.7	1641.0	1636.4	1564.2	1412.9	1312.8	1396.6	1547.9	1601.4	1599.1	1596.8
60°	1824.9	1829.6	1824.9	1762.1	1594.5	1468.8	1568.9	1727.1	1778.4	1764.4	1752.7
62.5°	1994.8	1999.5	2001.8	1955.3	1755.1	1615.4	1717.8	1897.1	1936.6	1913.4	1906.4
65°	2132.2	2129.8	2153.1	2104.2	1892.4	1736.5	1852.8	2041.4	2064.7	2027.4	2015.8
67.5°	2181.0	2190.4	2234.6	2188.0	1973.9	1815.6	1936.6	2104.2	2120.5	2074.0	2050.7
70°	2118.2	2139.1	2192.7	2169.4	1973.9	1827.2	1939.0	2085.6	2078.6	2020.4	1997.2
72.5°	1945.9	1950.6	2018.1	2029.7	1885.4	1764.4	1850.5	1955.3	1920.3	1841.2	1834.2
75°	1641.0	1641.0	1724.8	1776.0	1696.9	1599.1	1666.6	1713.2	1659.6	1566.5	1554.9
77.5°	1257.0	1270.9	1340.7	1452.5	1433.9	1387.3	1417.6	1426.9	1315.1	1217.4	1219.7
80°	884.5	903.1	977.6	1091.7	1124.3	1121.9	1128.9	1068.4	963.7	884.5	872.9
82.5°	593.6	584.2	654.1	756.5	833.3	847.3	842.6	758.8	656.4	581.9	572.6
85°	360.8	363.1	419.0	502.8	572.6	607.5	581.9	507.4	414.3	365.4	363.1
87.5°	223.5	228.1	260.7	316.6	388.7	421.3	393.4	328.2	260.7	225.8	223.5
90°	151.3	151.3	172.2	207.2	256.0	288.6	263.0	211.8	172.2	151.3	149.0
92.5°	109.4	114.1	121.0	144.3	179.2	200.2	181.6	144.3	121.0	109.4	107.1
95°	86.1	86.1	93.1	104.7	130.4	144.3	130.4	107.1	93.1	83.8	83.8
97.5°	67.5	69.8	74.5	83.8	100.1	109.4	100.1	83.8	74.5	67.5	65.2
100°	53.5	55.9	60.5	69.8	81.5	86.1	81.5	69.8	60.5	53.5	53.5
102.5°	41.9	44.2	48.9	58.2	67.5	69.8	67.5	55.9	48.9	41.9	41.9
105°	32.6	32.6	39.6	48.9	55.9	58.2	55.9	46.6	39.6	32.6	32.6
107.5°	25.6	25.6	32.6	39.6	46.6	48.9	46.6	39.6	30.3	25.6	25.6
110°	20.9	20.9	25.6	32.6	39.6	41.9	39.6	32.6	25.6	20.9	20.9

REPORT NUMBER: P695664
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-5WQ-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.3	16.3	20.9	27.9	32.6	34.9	32.6	27.9	20.9	16.3	16.3
115°	14.0	14.0	16.3	23.3	27.9	30.3	27.9	23.3	16.3	14.0	14.0
117.5°	11.6	11.6	14.0	18.6	23.3	25.6	23.3	18.6	14.0	11.6	11.6
120°	11.6	11.6	11.6	16.3	20.9	23.3	20.9	16.3	11.6	11.6	11.6
122.5°	9.3	9.3	11.6	14.0	18.6	18.6	16.3	14.0	11.6	9.3	9.3
125°	9.3	9.3	9.3	11.6	14.0	16.3	14.0	11.6	9.3	9.3	9.3
127.5°	9.3	9.3	9.3	9.3	14.0	14.0	14.0	9.3	9.3	9.3	9.3
130°	7.0	7.0	7.0	9.3	11.6	11.6	11.6	9.3	9.3	7.0	9.3
132.5°	7.0	7.0	7.0	9.3	9.3	11.6	9.3	9.3	7.0	7.0	7.0
135°	7.0	7.0	7.0	7.0	9.3	9.3	9.3	7.0	7.0	7.0	7.0
137.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
140°	4.7	4.7	4.7	4.7	7.0	7.0	7.0	4.7	4.7	7.0	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	2.3	4.7	2.3	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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)