

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: P255062

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255062
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-AF24-70-D-U-5WQ-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7227.5 lumens
Efficiency: N/A
Efficacy: 97.7 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): 74
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

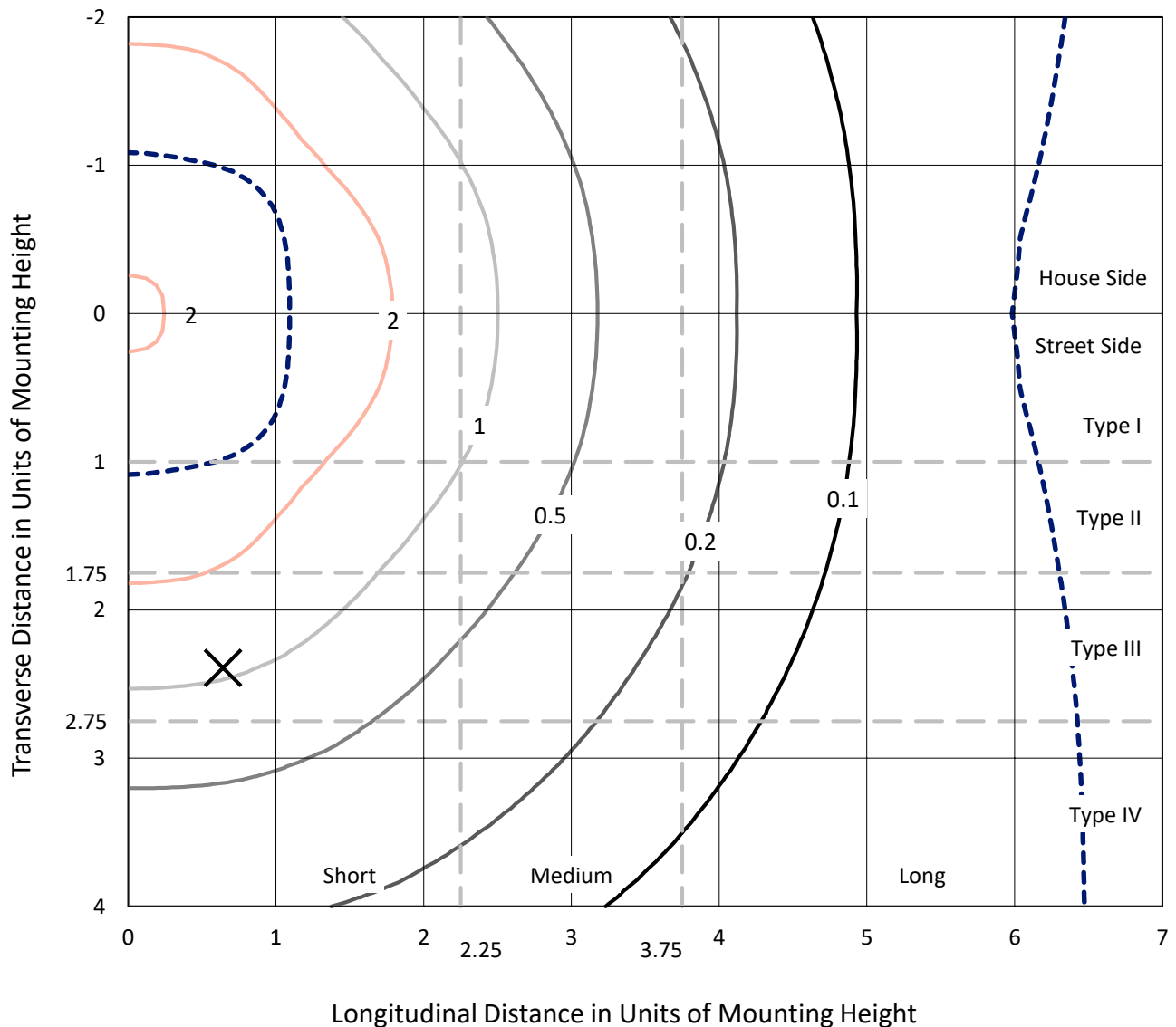


REPORT NUMBER: P255062

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

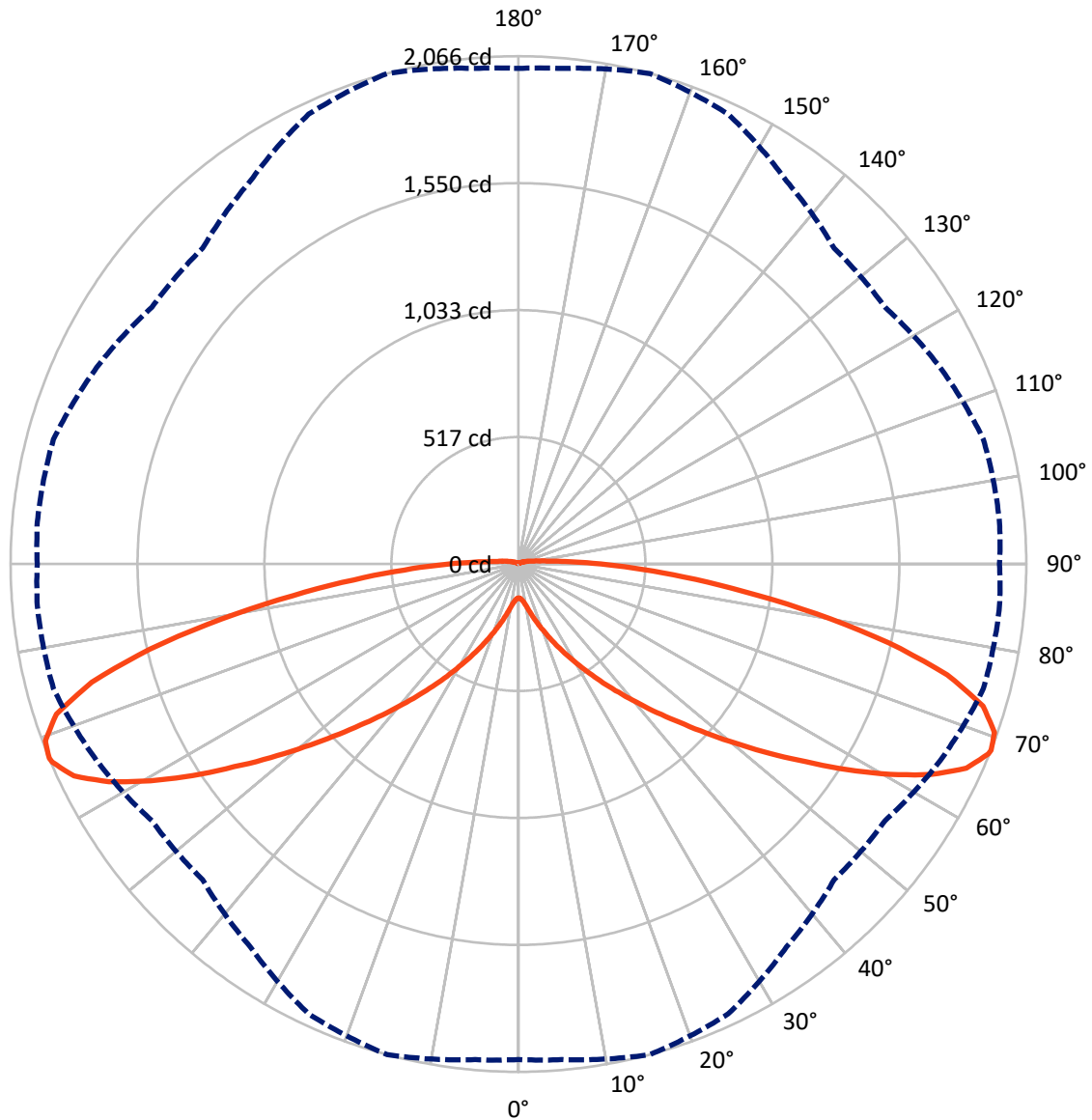


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P255062

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-TL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P255062

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-TL-7030

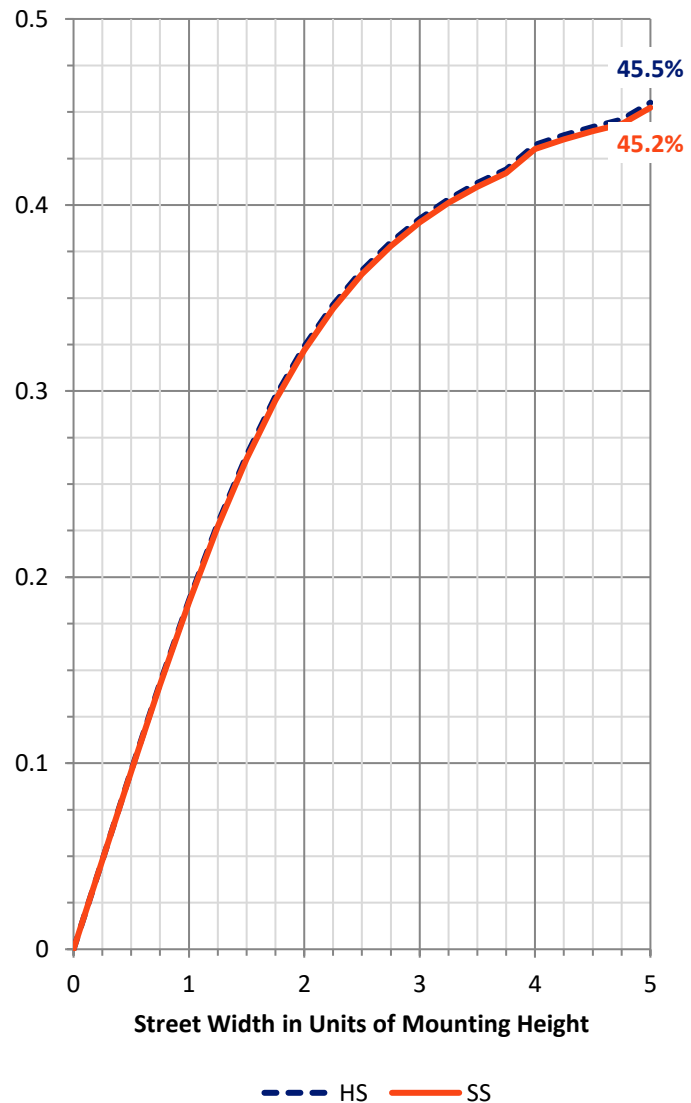
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3469.1	144.6	3613.8
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3469.1	144.6	3613.8
	% Fixture	48.0	2.0	50.0
Total	Lumens	6938.2	289.3	7227.5
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.2
10°-20°	66.1	0.9
20°-30°	174.2	2.4
30°-40°	365.6	5.1
40°-50°	686.3	9.5
50°-60°	1212.6	16.8
60°-70°	1828.9	25.3
70°-80°	1772.7	24.5
80°-90°	817.1	11.3
90°-100°	194.4	2.7
100°-110°	54.3	0.8
110°-120°	22.8	0.3
120°-130°	10.2	0.1
130°-140°	4.9	0.1
140°-150°	2.0	0.0
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6938.2	96.0
0°-180°	7227.5	100.0



REPORT NUMBER: P255062

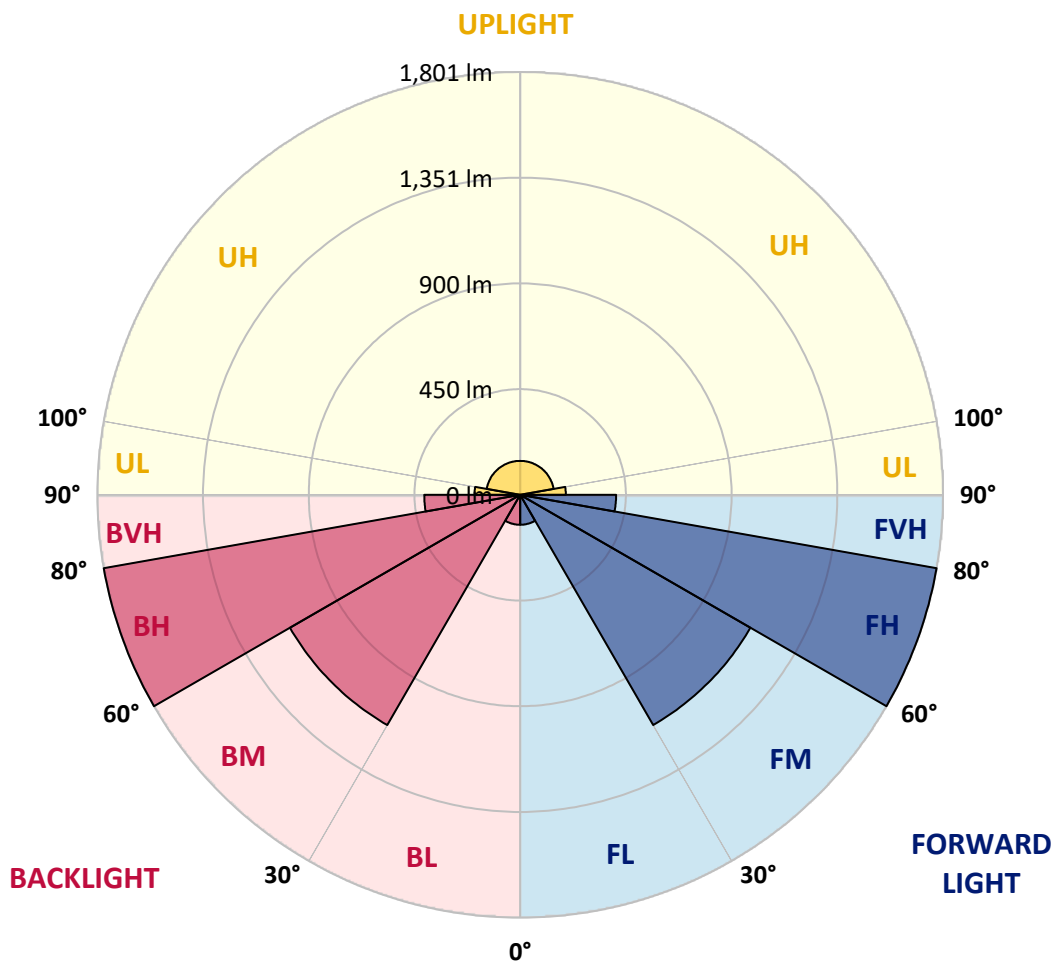
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.5	1.8			
FM (30°-60°)	1132.2	15.7			
FH (60°-80°)	1800.8	24.9			G2/5000
FVH (80°-90°)	408.5	5.7			G3/500
BL (0°-30°)	127.5	1.8	B1/500		
BM (30°-60°)	1132.2	15.7	B2/2500		
BH (60°-80°)	1800.8	24.9	B3/2500		G2/5000
BVH (80°-90°)	408.5	5.7			G3/500
UL (90°-100°)	194.4	2.7		U3/500	
UH (100°-180°)	144.6	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P255062

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2.5°	140.2	140.2	140.2	140.2	140.2	141.1	140.2	140.2	140.2	140.2	140.2
5°	145.9	145.9	145.9	146.7	146.7	146.7	146.7	146.7	146.7	147.5	146.7
7.5°	156.5	156.5	156.5	156.5	156.5	156.5	157.3	158.1	158.1	158.9	158.9
10°	172.6	172.6	171.9	171.9	171.9	172.6	172.6	174.3	175.1	177.5	176.7
12.5°	197.8	197.8	196.1	194.6	193.7	193.0	194.6	197.8	200.2	204.4	203.4
15°	226.1	226.1	224.5	222.2	221.2	220.4	221.2	225.3	229.5	233.5	232.6
17.5°	257.8	257.0	255.3	252.1	252.1	251.3	251.3	255.3	260.1	265.8	265.8
20°	292.6	290.9	288.6	284.5	284.5	283.7	284.5	287.8	295.0	301.5	301.5
22.5°	332.3	330.7	327.4	323.4	321.0	319.4	320.1	325.0	334.0	342.8	343.7
25°	377.0	374.4	371.3	366.3	359.9	356.6	358.3	366.3	377.7	389.1	386.7
27.5°	423.9	423.2	418.3	411.0	401.2	396.4	400.4	410.2	423.9	436.1	436.9
30°	479.0	476.6	470.2	458.8	448.3	438.5	442.6	455.5	474.1	490.3	491.2
32.5°	536.6	535.8	528.5	512.3	494.4	485.5	489.6	508.3	530.1	546.3	549.6
35°	603.1	601.5	593.4	572.3	549.6	537.4	541.5	564.1	590.9	611.2	612.8
37.5°	676.0	672.0	662.2	637.1	607.9	593.4	597.4	623.4	655.8	676.0	680.9
40°	751.3	750.6	739.2	710.0	674.3	654.1	660.6	689.8	727.1	749.7	753.1
42.5°	838.9	837.4	826.0	791.9	748.2	724.6	731.9	766.8	807.3	830.1	834.0
45°	931.3	933.0	917.6	884.4	833.3	806.6	811.4	851.1	895.7	924.0	927.3
47.5°	1038.3	1035.9	1027.0	985.6	927.3	896.5	902.2	945.9	998.6	1025.4	1027.0
50°	1151.0	1148.6	1145.4	1102.4	1035.1	1003.4	1006.8	1054.6	1108.0	1135.6	1142.9
52.5°	1276.7	1277.5	1279.1	1232.1	1156.7	1113.7	1121.0	1175.3	1232.1	1257.2	1263.7
55°	1416.1	1416.9	1420.2	1372.3	1287.2	1239.3	1248.3	1308.3	1369.0	1394.1	1396.7
57.5°	1570.9	1566.9	1579.8	1523.1	1429.8	1374.7	1384.5	1446.9	1511.7	1536.0	1540.9
60°	1725.7	1720.1	1737.9	1681.2	1574.1	1514.2	1519.0	1591.9	1661.7	1677.0	1687.6
62.5°	1857.0	1862.7	1886.2	1828.7	1710.4	1637.4	1645.5	1719.2	1797.0	1812.4	1814.9
65°	1960.0	1968.1	2002.9	1942.9	1825.4	1737.9	1749.2	1825.4	1905.7	1912.9	1911.3
67.5°	2014.3	2021.6	2061.2	2011.8	1892.7	1806.7	1813.2	1887.0	1955.0	1962.4	1955.0
68°	2016.0	2024.0	2066.1	2019.1	1901.5	1816.4	1820.6	1892.7	1958.4	1964.8	1957.5
70°	1991.6	2011.0	2054.8	2019.9	1909.8	1830.3	1831.0	1889.4	1951.8	1947.0	1940.6
72.5°	1897.5	1914.5	1976.2	1961.5	1869.2	1801.1	1791.5	1831.8	1868.4	1854.5	1850.6
75°	1706.3	1722.5	1801.9	1818.1	1766.2	1716.8	1693.3	1706.3	1705.4	1680.3	1670.6
77.5°	1429.0	1451.7	1539.3	1599.2	1582.2	1562.0	1522.2	1502.8	1466.4	1415.2	1399.1
80°	1110.5	1133.1	1228.0	1311.5	1345.5	1347.9	1311.5	1246.6	1173.7	1103.9	1090.2
82.5°	823.5	847.1	926.5	1030.2	1074.8	1100.8	1060.3	976.8	894.9	818.0	804.0
85°	575.5	592.5	672.8	757.0	821.9	850.2	805.7	734.3	651.7	585.2	572.3
87.5°	392.3	402.1	465.2	549.6	610.3	638.0	599.9	530.1	454.0	393.2	379.3
90°	248.9	255.3	302.3	372.9	434.5	458.8	428.9	367.9	298.3	248.9	240.0
92.5°	152.4	155.5	190.4	247.3	299.2	326.6	299.9	245.7	188.9	153.2	148.4
95°	99.8	102.1	122.4	158.9	201.8	222.2	204.4	163.8	125.6	102.1	98.9
97.5°	73.8	75.4	87.5	107.0	133.0	148.4	136.1	111.9	89.9	75.4	72.9
100°	57.6	58.4	66.4	78.6	93.2	102.1	95.6	81.8	68.1	57.6	56.7
102.5°	46.2	46.2	53.5	62.4	71.3	76.2	72.1	64.9	53.5	45.4	44.6
105°	36.5	37.2	42.9	51.1	57.6	60.7	58.4	52.7	42.9	35.6	34.9
107.5°	29.2	29.2	34.9	42.2	48.6	51.1	48.6	43.8	34.1	28.4	27.6



REPORT NUMBER: P255062

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	22.7	23.5	27.6	34.9	40.5	42.9	40.5	35.6	27.6	22.7	21.9
112.5°	18.7	18.7	21.9	28.4	34.1	35.6	34.1	28.4	21.9	17.8	17.8
115°	15.4	15.4	17.8	23.5	28.4	29.9	28.4	23.5	17.8	14.6	14.6
117.5°	13.0	13.7	15.4	19.4	23.5	24.4	23.5	19.4	14.6	13.0	12.1
120°	11.4	12.1	13.0	16.2	19.4	20.2	18.7	15.4	12.1	11.4	10.5
122.5°	10.5	10.5	11.4	13.0	16.2	17.1	15.4	13.0	10.5	9.8	9.8
125°	9.8	9.8	9.8	11.4	13.0	13.7	13.0	10.5	9.0	9.0	9.0
127.5°	9.0	9.0	9.0	9.8	11.4	11.4	10.5	9.0	8.0	8.0	8.0
130°	8.0	8.0	8.0	8.0	9.0	9.8	9.0	8.0	7.3	7.3	7.3
132.5°	7.3	7.3	7.3	7.3	7.3	8.0	7.3	6.4	6.4	6.4	6.4
135°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.7	5.7	5.7	5.7
137.5°	5.7	5.7	5.7	5.7	5.7	5.7	4.9	4.9	4.9	5.7	5.7
140°	4.9	4.9	4.9	4.9	4.1	4.1	4.1	4.1	4.9	4.9	4.9
142.5°	4.9	4.9	4.1	4.1	3.3	3.3	3.3	3.3	4.1	4.1	4.1
145°	4.1	4.1	3.3	3.3	3.3	2.4	2.4	3.3	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
152.5°	1.6	1.6	1.6	1.6	1.6	0.8	1.6	1.6	1.6	1.6	1.6
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	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)