

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: P255063

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255063
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-AF24-80-D-U-5WQ-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7899.4 lumens
Efficiency: N/A
Efficacy: 95.2 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

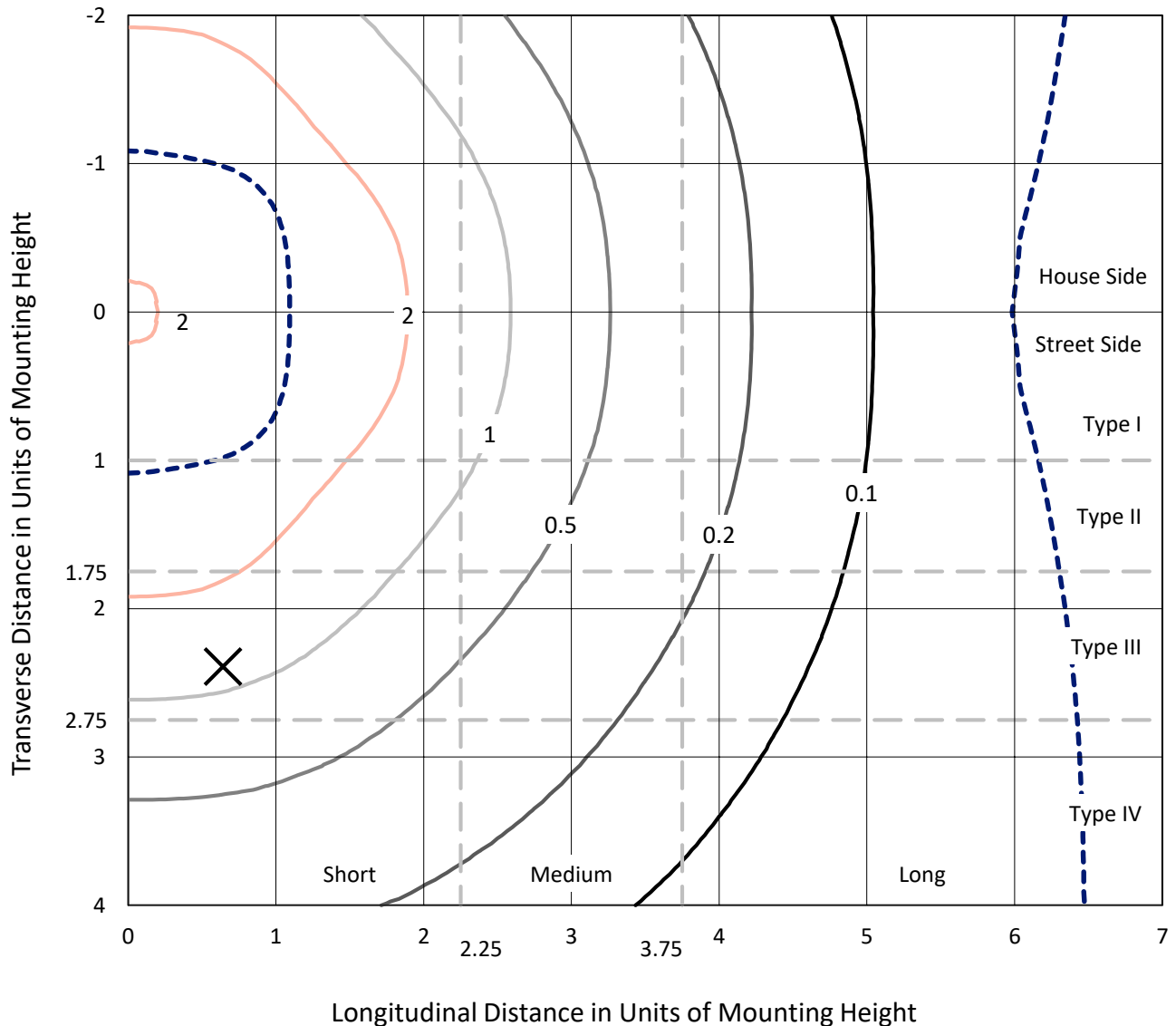
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255063
 CATALOG NUMBER: LXF.LXT-AF24-80-D-U-5WQ-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

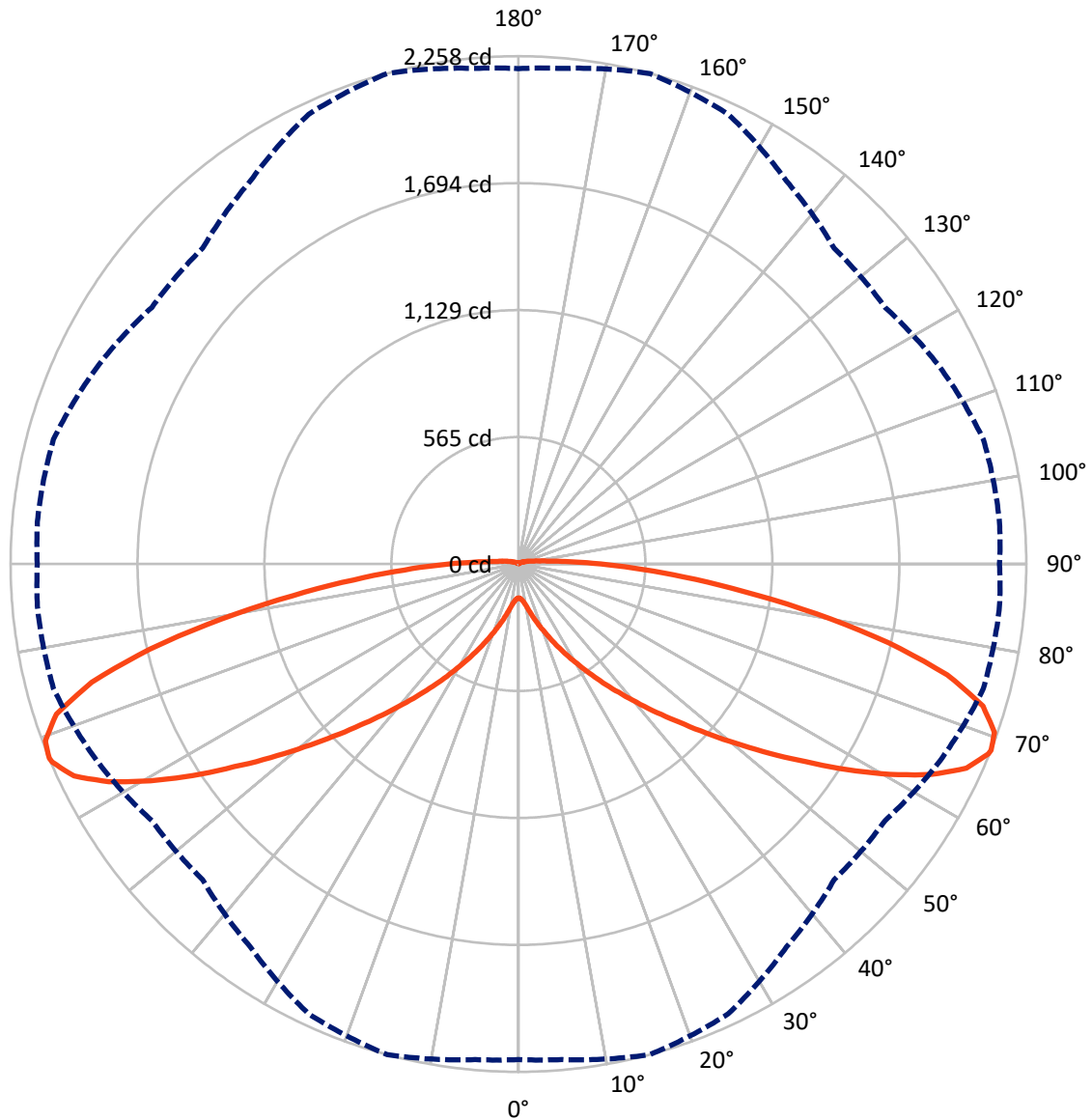


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P255063

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-5WQ-TL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P255063

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-5WQ-TL-7030

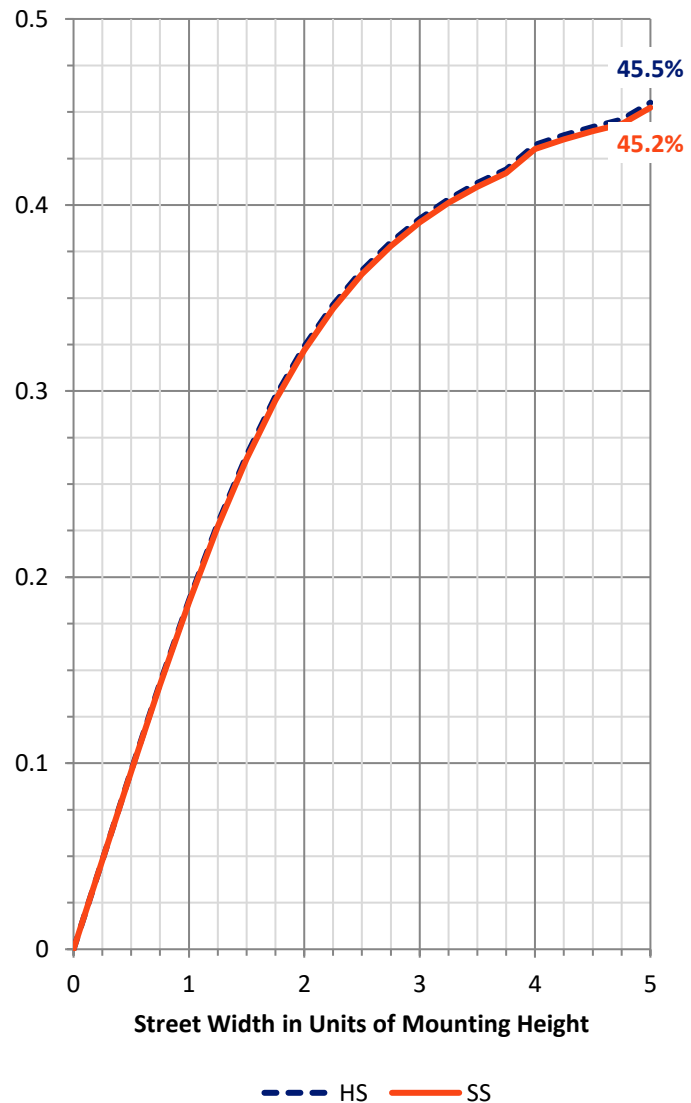
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3791.6	158.1	3949.7
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3791.6	158.1	3949.7
	% Fixture	48.0	2.0	50.0
Total	Lumens	7583.3	316.1	7899.4
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.2
10°-20°	72.2	0.9
20°-30°	190.4	2.4
30°-40°	399.5	5.1
40°-50°	750.1	9.5
50°-60°	1325.4	16.8
60°-70°	1999.0	25.3
70°-80°	1937.5	24.5
80°-90°	893.0	11.3
90°-100°	212.4	2.7
100°-110°	59.4	0.8
110°-120°	24.9	0.3
120°-130°	11.2	0.1
130°-140°	5.4	0.1
140°-150°	2.2	0.0
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7583.3	96.0
0°-180°	7899.4	100.0



REPORT NUMBER: P255063

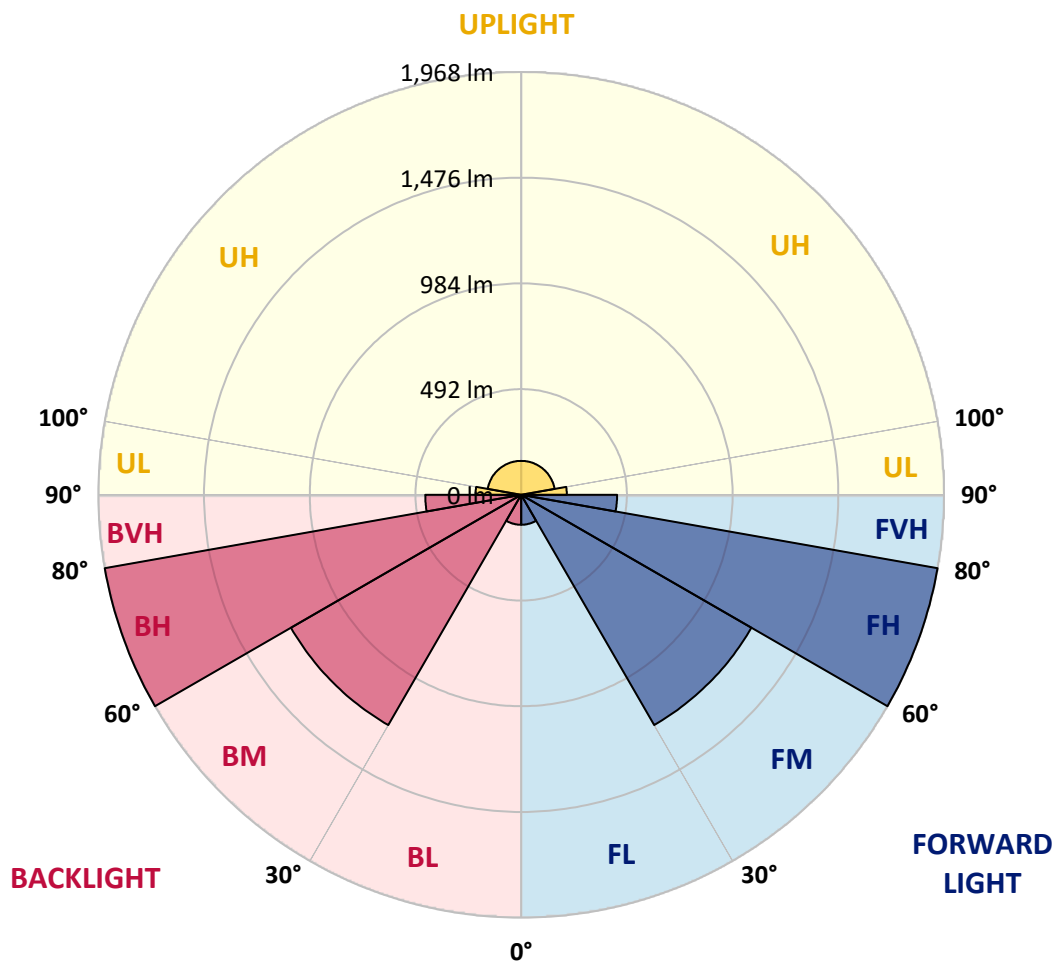
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-5WQ-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.4	1.8			
FM (30°-60°)	1237.5	15.7			
FH (60°-80°)	1968.2	24.9			G2/5000
FVH (80°-90°)	446.5	5.7			G3/500
BL (0°-30°)	139.4	1.8	B1/500		
BM (30°-60°)	1237.5	15.7	B2/2500		
BH (60°-80°)	1968.2	24.9	B3/2500		G2/5000
BVH (80°-90°)	446.5	5.7			G3/500
UL (90°-100°)	212.4	2.7		U3/500	
UH (100°-180°)	158.1	2.0		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P255063

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-5WQ-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
2.5°	153.3	153.3	153.3	153.3	153.3	154.2	153.3	153.3	153.3	153.3	153.3
5°	159.5	159.5	159.5	160.4	160.4	160.4	160.4	160.4	160.4	161.2	160.4
7.5°	171.0	171.0	171.0	171.0	171.0	171.0	171.9	172.7	172.7	173.6	173.6
10°	188.7	188.7	187.8	187.8	187.8	188.7	188.7	190.4	191.3	194.1	193.2
12.5°	216.2	216.2	214.3	212.6	211.8	210.9	212.6	216.2	218.8	223.2	222.4
15°	247.2	247.2	245.4	242.8	241.9	241.0	241.9	246.3	250.7	255.1	254.2
17.5°	281.8	280.8	279.0	275.6	275.6	274.7	274.7	279.0	284.4	290.6	290.6
20°	319.8	318.1	315.4	311.0	311.0	310.1	311.0	314.5	322.5	329.5	329.5
22.5°	363.2	361.4	358.0	353.5	350.8	349.1	349.9	355.3	365.0	374.8	375.7
25°	411.9	409.2	405.8	400.4	393.4	389.8	391.5	400.4	412.9	425.2	422.7
27.5°	463.4	462.5	457.1	449.2	438.5	433.2	437.7	448.3	463.4	476.6	477.5
30°	523.6	520.9	513.8	501.4	489.9	479.3	483.7	497.9	518.2	536.0	536.9
32.5°	586.5	585.6	577.7	560.0	540.4	530.7	535.2	555.5	579.4	597.1	600.7
35°	659.2	657.4	648.5	625.5	600.7	587.4	591.7	616.7	645.8	668.0	669.8
37.5°	738.8	734.4	723.9	696.3	664.4	648.5	653.0	681.2	716.7	738.8	744.2
40°	821.3	820.3	808.0	776.1	737.1	715.0	721.9	753.9	794.7	819.5	823.0
42.5°	916.9	915.1	902.8	865.6	817.7	792.0	800.0	838.1	882.4	907.2	911.7
45°	1018.0	1019.7	1002.9	966.5	910.7	881.5	886.8	930.3	979.0	1010.0	1013.5
47.5°	1134.8	1132.3	1122.4	1077.3	1013.5	979.8	986.1	1033.9	1091.5	1120.7	1122.4
50°	1258.0	1255.4	1251.8	1204.9	1131.4	1096.8	1100.4	1152.5	1211.0	1241.1	1249.2
52.5°	1395.4	1396.3	1398.0	1346.6	1264.2	1217.2	1225.3	1284.6	1346.6	1374.1	1381.1
55°	1547.7	1548.6	1552.1	1499.9	1406.8	1354.6	1364.3	1429.8	1496.3	1523.8	1526.5
57.5°	1716.9	1712.5	1726.7	1664.7	1562.7	1502.6	1513.1	1581.4	1652.2	1678.9	1684.1
60°	1886.2	1880.0	1899.5	1837.4	1720.5	1655.0	1660.2	1740.0	1816.1	1833.1	1844.6
62.5°	2029.7	2035.8	2061.5	1998.7	1869.3	1789.5	1798.4	1879.0	1964.2	1981.0	1983.6
65°	2142.1	2151.0	2189.1	2123.6	1995.1	1899.5	1911.8	1995.1	2082.8	2090.7	2089.0
67.5°	2201.6	2209.5	2252.9	2198.9	2068.6	1974.8	1981.9	2062.5	2136.9	2144.9	2136.9
68°	2203.3	2212.2	2258.3	2206.8	2078.4	1985.4	1989.8	2068.6	2140.4	2147.5	2139.6
70°	2176.8	2198.0	2245.9	2207.7	2087.3	2000.4	2001.3	2065.1	2133.3	2128.1	2120.9
72.5°	2074.0	2092.6	2159.9	2144.0	2042.9	1968.6	1957.9	2002.1	2042.0	2027.0	2022.6
75°	1864.8	1882.6	1969.4	1987.1	1930.4	1876.4	1850.8	1864.8	1864.0	1836.5	1825.9
77.5°	1561.9	1586.7	1682.4	1747.9	1729.3	1707.1	1663.8	1642.5	1602.7	1546.8	1529.1
80°	1213.8	1238.6	1342.1	1433.5	1470.6	1473.3	1433.5	1362.6	1282.8	1206.7	1191.6
82.5°	900.1	925.8	1012.7	1126.0	1174.7	1203.1	1158.8	1067.6	978.1	893.8	878.9
85°	629.0	647.6	735.4	827.4	898.3	929.4	880.6	802.6	712.3	639.6	625.5
87.5°	428.9	439.4	508.5	600.7	667.1	697.2	655.5	579.4	496.1	429.7	414.6
90°	271.9	279.0	330.4	407.5	474.8	501.4	468.6	402.2	326.0	271.9	262.2
92.5°	166.5	170.1	208.1	270.2	326.9	357.1	327.8	268.4	206.4	167.5	162.1
95°	108.9	111.7	133.8	173.6	220.6	242.8	223.2	178.9	137.3	111.7	108.0
97.5°	80.7	82.4	95.7	116.9	145.4	162.1	148.8	122.3	98.4	82.4	79.8
100°	63.0	63.8	72.6	86.0	101.8	111.7	104.6	89.5	74.4	63.0	62.1
102.5°	50.5	50.5	58.5	68.2	78.0	83.2	78.8	70.9	58.5	49.6	48.7
105°	39.9	40.8	47.0	55.8	63.0	66.4	63.8	57.6	47.0	39.0	38.1
107.5°	31.9	31.9	38.1	46.1	53.2	55.8	53.2	47.8	37.2	31.0	30.1



REPORT NUMBER: P255063

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-5WQ-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	24.8	25.6	30.1	38.1	44.2	47.0	44.2	39.0	30.1	24.8	23.9
112.5°	20.3	20.3	23.9	31.0	37.2	39.0	37.2	31.0	23.9	19.4	19.4
115°	16.8	16.8	19.4	25.6	31.0	32.8	31.0	25.6	19.4	16.0	16.0
117.5°	14.2	15.1	16.8	21.3	25.6	26.6	25.6	21.3	16.0	14.2	13.3
120°	12.4	13.3	14.2	17.7	21.3	22.2	20.3	16.8	13.3	12.4	11.5
122.5°	11.5	11.5	12.4	14.2	17.7	18.6	16.8	14.2	11.5	10.6	10.6
125°	10.6	10.6	10.6	12.4	14.2	15.1	14.2	11.5	9.8	9.8	9.8
127.5°	9.8	9.8	9.8	10.6	12.4	12.4	11.5	9.8	8.8	8.8	8.8
130°	8.8	8.8	8.8	8.8	9.8	10.6	9.8	8.8	7.9	7.9	7.9
132.5°	7.9	7.9	7.9	7.9	7.9	8.8	7.9	7.1	7.1	7.1	7.1
135°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.2	6.2	6.2	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	5.4	5.4	5.4	6.2	6.2
140°	5.4	5.4	5.4	5.4	4.5	4.5	4.5	4.5	5.4	5.4	5.4
142.5°	5.4	5.4	4.5	4.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5
145°	4.5	4.5	3.5	3.5	3.5	2.6	2.6	3.5	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	2.6	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
152.5°	1.7	1.7	1.7	1.7	1.7	0.9	1.7	1.7	1.7	1.7	1.7
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	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)