

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: P255006

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-T2U-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.1 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

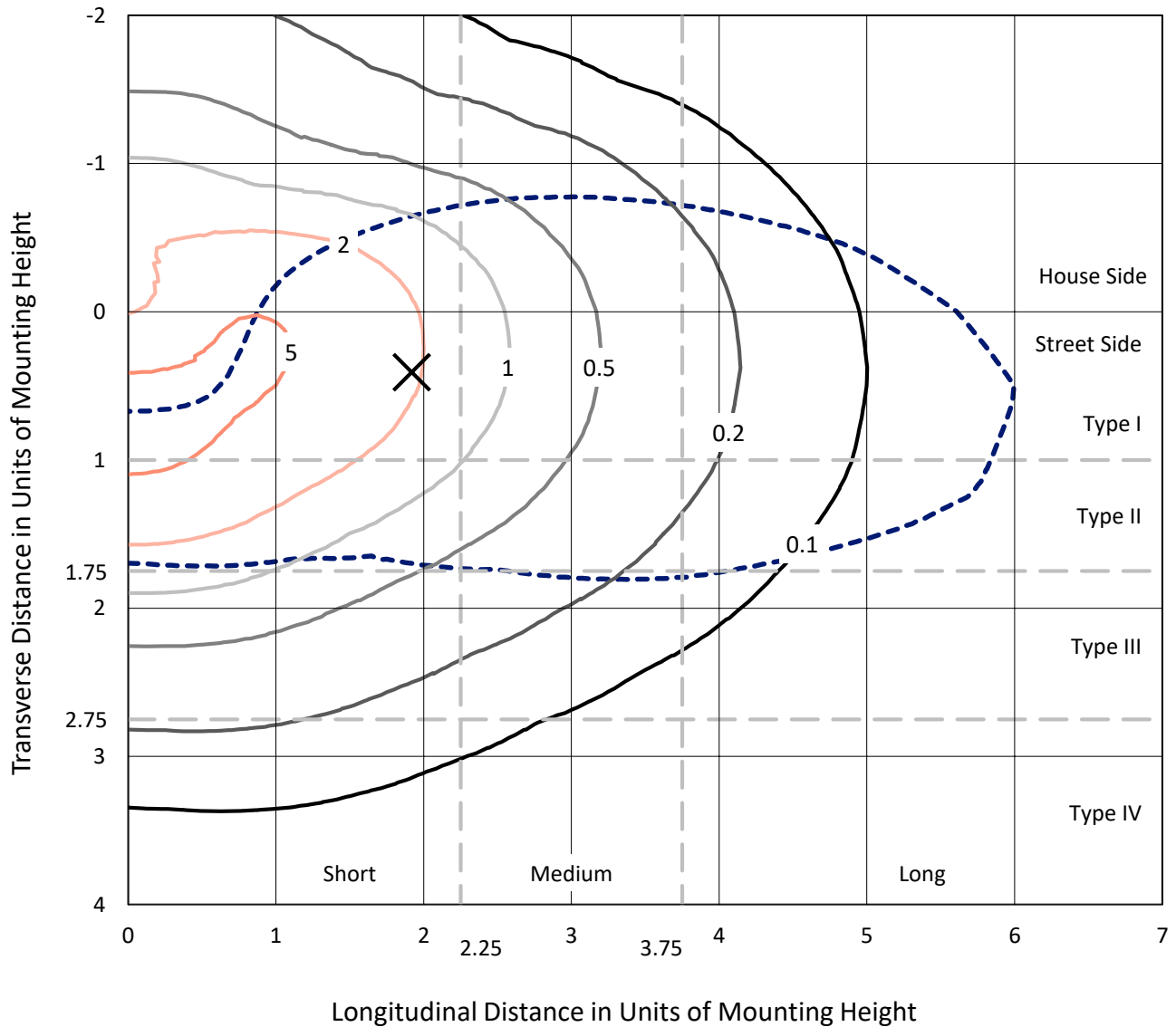
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

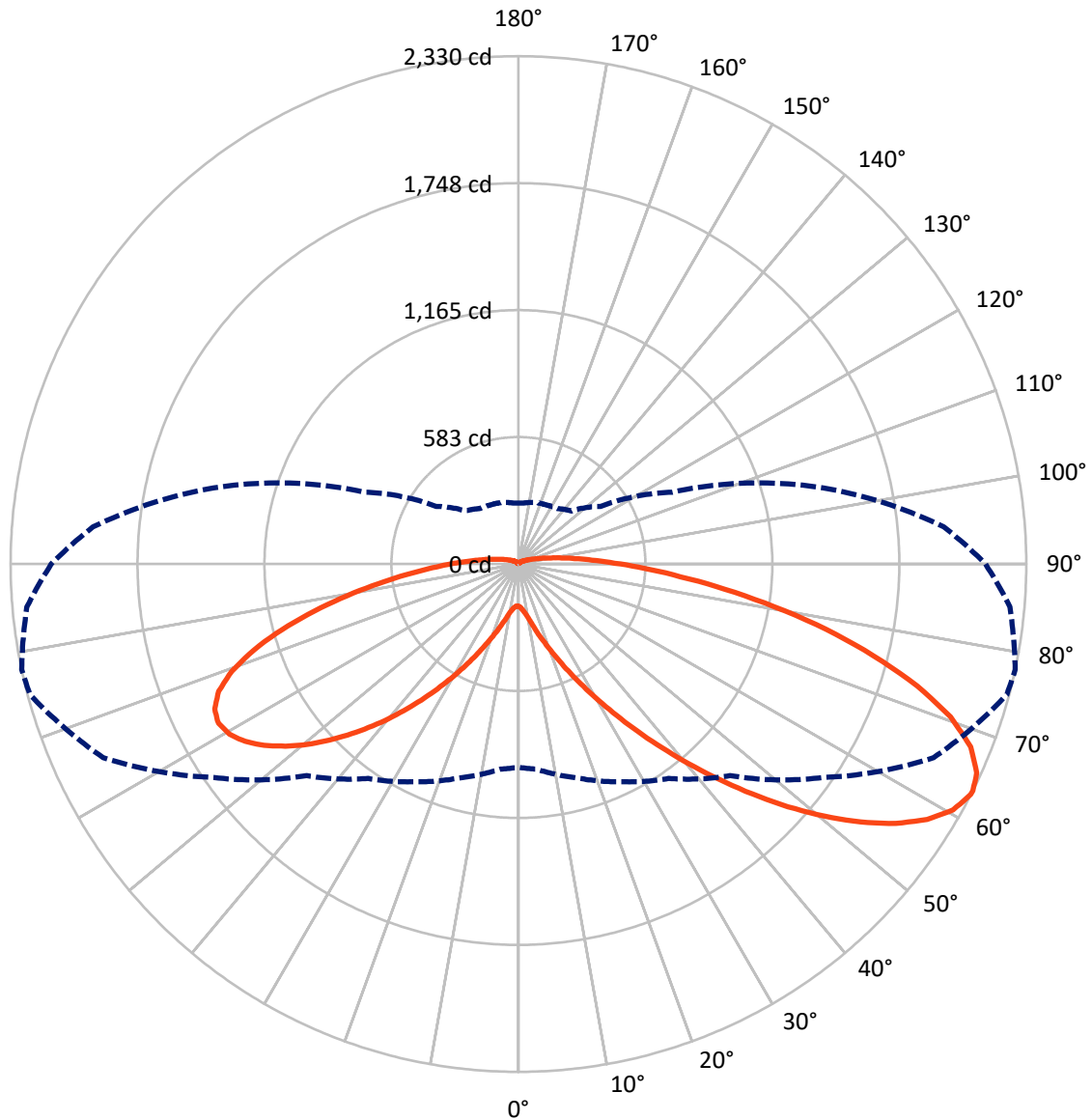


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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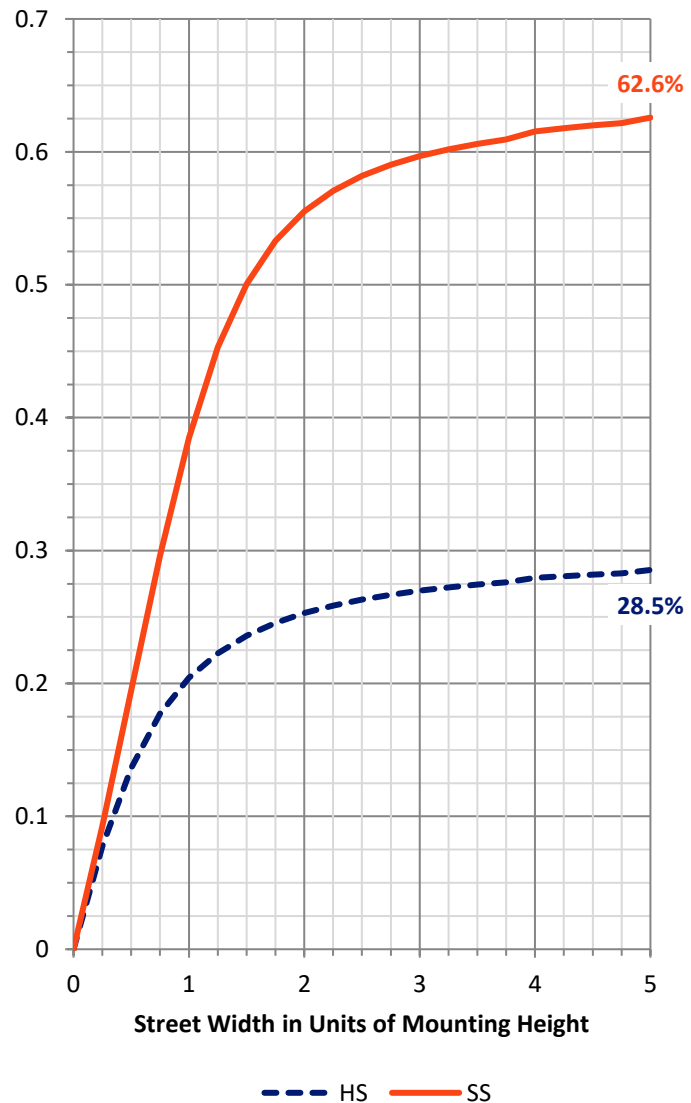
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1539.4	140.7	1680.1
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	3327.8	174.2	3502.1
	% Fixture	64.2	3.4	67.6
Total	Lumens	4867.2	315.0	5182.1
	% Fixture	93.9	6.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.4
10°-20°	88.3	1.7
20°-30°	230.9	4.5
30°-40°	479.3	9.2
40°-50°	807.4	15.6
50°-60°	1061.2	20.5
60°-70°	1050.8	20.3
70°-80°	748.0	14.4
80°-90°	380.7	7.3
90°-100°	165.6	3.2
100°-110°	75.8	1.5
110°-120°	38.5	0.7
120°-130°	20.5	0.4
130°-140°	10.2	0.2
140°-150°	3.6	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4867.2	93.9
0°-180°	5182.1	100.0



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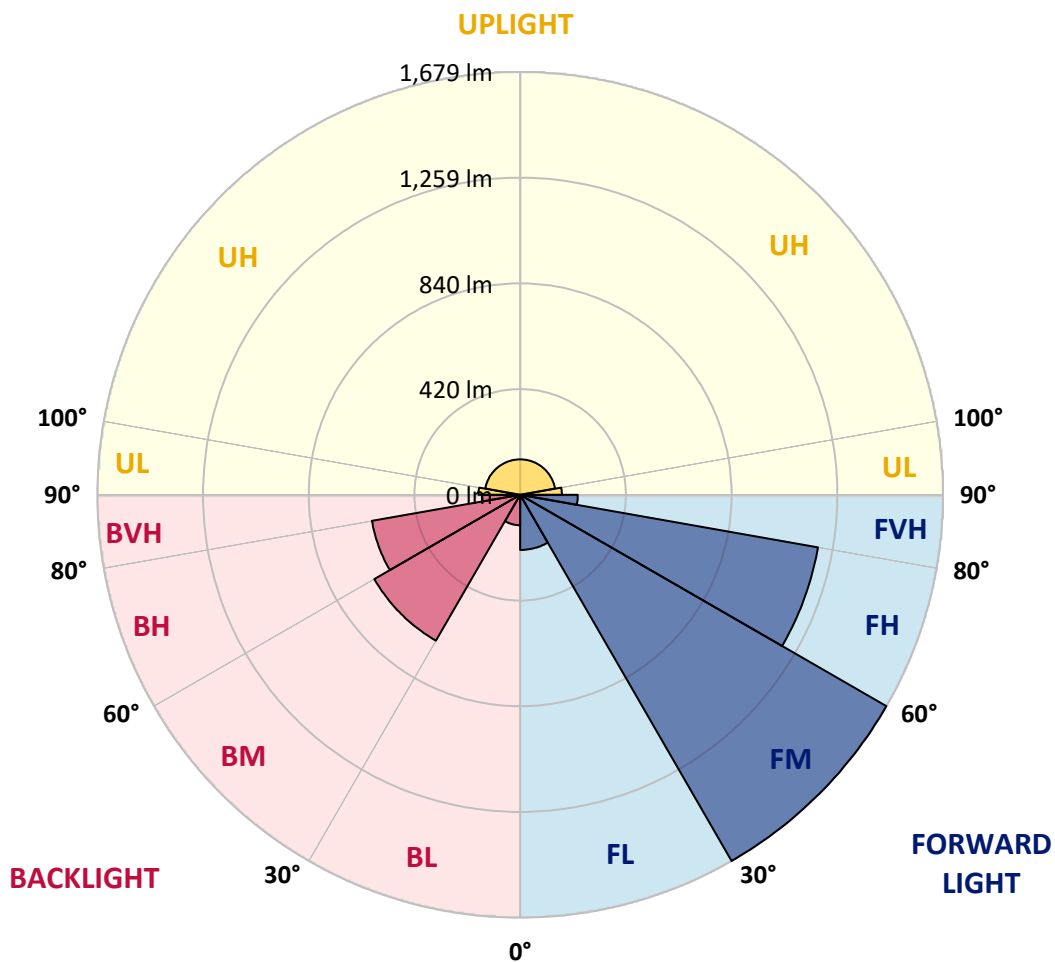
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.0	4.2			
FM (30°-60°)	1679.2	32.4			
FH (60°-80°)	1201.0	23.2			G1/1800
FVH (80°-90°)	228.6	4.4			G3/500
BL (0°-30°)	120.8	2.3	B1/500		
BM (30°-60°)	668.7	12.9	B1/1000		
BH (60°-80°)	597.8	11.5	B2/1000		G2/1000
BVH (80°-90°)	152.1	2.9			G2/225
UL (90°-100°)	165.6	3.2		U3/500	
UH (100°-180°)	140.7	2.7		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9
2.5°	215.2	215.8	215.8	214.5	213.4	210.9	208.3	205.2	200.8	200.2	197.1
5°	240.8	241.5	240.8	238.4	235.9	231.5	226.5	220.8	213.4	212.7	207.0
7.5°	272.2	272.7	272.2	267.8	263.5	257.1	250.2	242.1	231.5	229.6	222.2
10°	311.0	312.2	310.3	306.6	299.1	289.6	280.9	269.0	257.8	253.4	243.9
12.5°	360.3	360.3	356.6	350.9	341.6	329.8	318.4	304.1	291.5	285.2	275.3
15°	415.4	416.1	411.1	404.2	394.1	376.0	363.5	348.4	332.8	327.2	312.8
17.5°	478.5	479.8	473.5	463.6	449.8	431.7	416.1	398.5	380.3	370.9	355.9
20°	552.5	552.5	545.5	532.4	514.8	494.8	474.8	454.8	434.8	423.5	407.9
22.5°	636.2	636.2	628.1	610.5	585.5	563.7	541.8	519.2	497.3	485.4	465.5
25°	733.2	737.0	721.3	699.4	671.3	640.6	618.7	592.4	568.7	555.6	533.6
27.5°	842.7	844.6	825.1	792.6	756.4	724.4	700.1	676.4	650.0	636.2	610.0
30°	960.3	956.6	939.0	900.2	852.7	813.9	789.5	767.6	737.6	726.9	698.1
32.5°	1086.7	1084.2	1061.7	1008.5	957.1	910.2	884.0	870.2	840.2	828.3	797.6
35°	1219.9	1215.5	1188.6	1132.9	1065.4	1014.2	990.3	983.5	955.9	944.0	907.1
37.5°	1359.4	1349.5	1315.6	1244.9	1174.9	1120.5	1109.8	1099.8	1081.6	1069.1	1025.4
40°	1470.7	1466.4	1432.6	1358.7	1283.1	1237.5	1230.6	1237.5	1219.9	1205.5	1154.9
42.5°	1560.9	1557.7	1530.8	1458.3	1382.5	1340.6	1348.1	1370.6	1365.0	1350.7	1294.4
45°	1623.4	1620.4	1600.8	1538.4	1468.9	1438.3	1472.0	1513.4	1517.1	1505.1	1438.8
47.5°	1645.3	1643.5	1632.8	1587.1	1534.0	1526.5	1593.4	1658.4	1674.1	1664.1	1589.0
50°	1617.1	1618.4	1622.2	1601.5	1569.0	1590.3	1689.1	1796.8	1830.5	1819.2	1739.2
52.5°	1544.6	1549.0	1567.1	1574.0	1569.0	1623.4	1769.2	1921.9	1979.3	1966.8	1884.2
55°	1433.3	1439.5	1471.4	1507.0	1532.7	1621.0	1819.2	2027.6	2110.2	2101.4	2015.8
57.5°	1286.8	1299.4	1342.6	1405.7	1457.6	1582.2	1833.6	2100.2	2217.1	2210.9	2127.6
60°	1124.9	1135.4	1194.9	1277.5	1352.5	1506.4	1802.3	2131.4	2289.6	2291.6	2212.7
62.5°	964.0	975.9	1046.0	1131.7	1227.4	1397.5	1727.9	2112.6	2319.7	2329.1	2260.9
63°	932.7	944.6	1014.7	1102.3	1201.2	1373.2	1707.8	2102.0	2319.7	2330.4	2264.1
65°	811.4	822.6	892.1	983.5	1087.9	1266.9	1610.9	2039.5	2294.7	2311.0	2259.1
67.5°	670.0	681.9	751.9	842.1	942.8	1116.7	1458.3	1910.6	2209.0	2238.4	2205.2
70°	550.5	563.0	626.8	712.0	805.8	964.0	1283.7	1737.3	2071.3	2103.2	2090.7
72.5°	453.5	464.3	526.7	598.0	681.9	822.6	1104.8	1528.3	1874.4	1913.1	1920.6
75°	370.4	381.7	436.7	500.5	574.2	692.4	931.6	1307.5	1630.2	1684.1	1705.4
77.5°	302.2	312.8	361.6	417.3	479.8	576.8	772.0	1088.5	1380.1	1445.2	1472.7
80°	246.5	256.5	296.5	347.2	400.4	478.5	632.5	877.2	1132.4	1191.2	1219.9
82.5°	200.2	208.9	243.9	288.5	333.5	396.6	516.1	701.9	904.6	954.1	969.6
85°	161.3	169.0	200.2	239.0	277.2	325.9	417.3	554.9	707.6	746.4	765.7
87.5°	128.9	135.2	163.3	197.1	229.6	274.0	337.8	442.3	547.4	576.2	588.7
90°	104.5	109.5	132.6	161.3	190.7	223.3	274.0	344.0	420.9	441.6	450.4
92.5°	85.1	88.8	109.5	133.3	159.5	188.9	223.3	272.2	324.1	337.8	343.4
95°	71.3	72.5	90.6	111.3	132.6	157.7	182.7	216.5	250.2	259.6	262.1
97.5°	58.2	60.1	75.7	94.5	112.6	131.3	149.4	173.2	194.6	200.2	200.8
100°	50.0	50.7	63.8	80.8	96.3	111.3	124.4	138.9	151.5	153.3	154.5
102.5°	42.5	43.1	54.4	70.0	83.2	95.7	105.8	113.8	118.9	119.5	119.5
105°	36.9	37.5	46.9	60.6	72.5	82.0	90.1	93.2	94.5	93.9	93.9
107.5°	33.1	33.1	41.3	53.2	63.8	71.9	76.9	77.6	75.7	74.4	74.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	29.4	30.0	36.3	47.5	57.0	63.2	66.9	65.0	61.3	60.1	60.1
112.5°	26.9	27.6	31.9	41.9	50.0	56.3	58.2	55.0	50.0	48.8	49.3
115°	25.0	25.0	28.7	36.9	45.1	50.0	50.7	46.9	41.3	40.7	41.3
117.5°	23.2	23.2	25.6	33.1	40.0	44.5	44.5	40.0	35.1	33.8	34.4
120°	21.9	21.9	23.8	29.4	35.6	39.5	38.8	34.4	29.4	29.4	30.0
122.5°	20.6	20.6	21.9	26.2	31.9	35.1	34.4	29.4	25.0	25.0	25.6
125°	19.4	19.4	20.0	23.8	28.2	30.7	30.0	25.0	21.9	21.9	22.5
127.5°	18.1	18.1	18.8	21.3	25.0	26.9	25.6	21.3	19.4	19.4	20.0
130°	17.5	17.5	17.5	18.8	21.9	23.8	21.9	18.1	16.9	16.9	17.5
132.5°	16.3	16.3	16.3	16.9	18.8	20.0	18.8	15.7	15.0	15.0	15.7
135°	15.7	15.7	15.0	15.0	16.3	16.9	15.0	13.1	13.1	13.1	13.7
137.5°	14.4	14.4	13.7	13.1	13.7	13.7	12.6	10.6	11.3	11.3	11.9
140°	13.1	13.1	12.6	11.3	10.6	10.6	9.4	8.7	9.4	9.4	10.1
142.5°	11.3	11.3	10.6	9.4	8.0	7.5	6.9	6.9	7.5	7.5	8.0
145°	9.4	9.4	8.7	7.5	6.2	5.7	5.0	5.0	5.7	5.7	6.2
147.5°	7.5	7.5	6.9	5.7	4.4	3.2	3.2	3.8	4.4	4.4	4.4
150°	6.2	6.2	5.7	4.4	2.5	1.8	1.2	1.8	2.5	2.5	2.5
152.5°	4.4	4.4	3.8	2.5	1.8	0.6	0.6	1.2	1.8	1.8	1.8
155°	2.5	2.5	1.8	1.2	0.6	0.6	0.6	0.6	1.2	1.2	1.2
157.5°	1.2	1.2	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9	193.9
2.5°	195.8	194.6	191.4	188.3	185.8	183.9	182.7	180.9	180.2	179.5	179.5
5°	204.0	200.8	195.1	189.6	184.5	180.2	176.5	173.2	171.4	170.1	170.8
7.5°	217.1	212.1	204.0	195.1	187.1	180.9	175.2	171.4	168.3	166.4	166.4
10°	237.7	230.9	218.3	205.9	195.8	186.4	179.5	173.9	170.1	168.3	168.3
12.5°	267.1	258.4	240.8	223.3	209.6	197.1	188.3	182.7	181.4	179.5	179.5
15°	302.2	291.5	270.3	247.7	229.0	212.1	204.6	199.6	196.4	193.9	193.9
17.5°	343.4	329.8	302.7	275.3	252.2	234.6	222.2	215.2	211.4	209.6	209.6
20°	391.0	374.1	341.0	306.6	277.7	259.0	242.1	231.5	227.7	225.8	225.2
22.5°	446.1	425.4	385.3	342.2	308.4	283.4	263.5	247.7	243.3	241.5	240.3
25°	511.8	488.6	435.4	382.9	341.0	306.6	282.1	264.6	258.4	256.5	255.8
27.5°	585.5	557.4	492.3	427.9	371.6	327.2	298.4	280.2	272.2	269.7	270.3
30°	668.1	635.1	554.9	473.5	401.6	346.0	311.5	292.2	283.4	280.9	280.9
32.5°	760.1	716.3	623.1	521.7	429.8	361.6	322.9	302.7	292.2	290.3	290.3
35°	861.4	815.7	697.0	570.6	454.8	374.1	330.9	311.0	299.7	297.1	297.1
37.5°	977.8	917.8	775.0	617.5	476.1	383.5	336.5	316.0	304.7	300.9	300.9
40°	1096.1	1026.6	856.5	661.9	494.2	389.1	339.7	318.4	307.8	302.7	302.2
42.5°	1225.6	1138.6	939.6	702.5	506.8	392.2	340.4	320.3	309.1	302.7	301.5
45°	1360.1	1266.2	1016.5	737.6	516.1	392.2	339.7	319.7	309.1	300.9	299.7
47.5°	1495.8	1389.4	1096.6	767.0	520.5	390.4	338.4	319.0	308.4	298.4	297.1
50°	1637.1	1512.7	1172.4	790.2	519.8	386.7	335.3	317.2	305.9	295.3	294.0
52.5°	1769.8	1625.9	1241.8	806.5	516.1	381.0	331.6	315.3	304.1	292.2	290.9
55°	1898.7	1739.7	1301.9	815.2	507.9	374.1	327.8	312.8	302.2	289.0	288.5
57.5°	2002.5	1835.5	1348.8	814.5	496.1	365.4	323.4	309.6	299.7	287.2	285.9
60°	2087.6	1912.5	1378.9	805.1	481.8	356.6	318.4	305.9	297.1	284.6	282.8
62.5°	2137.6	1955.6	1386.3	785.1	464.3	346.6	311.5	300.3	292.9	281.6	279.6
63°	2143.3	1959.3	1384.5	780.1	460.4	344.0	310.3	299.7	292.2	280.9	279.0
65°	2141.4	1958.2	1366.3	754.4	444.1	334.2	304.1	294.0	287.8	277.2	275.3
67.5°	2092.7	1910.6	1315.1	712.0	420.4	320.9	294.0	285.9	279.6	270.3	268.3
70°	1986.9	1809.3	1228.6	658.8	394.1	305.9	281.6	275.3	269.0	260.2	257.8
72.5°	1830.5	1659.7	1113.0	601.8	366.6	288.5	267.8	261.4	256.5	249.0	244.6
75°	1626.6	1470.2	979.1	538.0	336.5	270.3	250.9	245.9	239.6	232.7	229.0
77.5°	1389.4	1253.8	837.7	472.3	305.9	249.6	232.7	227.0	221.5	213.9	208.9
80°	1149.9	1036.0	697.5	408.5	275.3	227.7	212.7	207.7	200.8	192.8	187.7
82.5°	922.1	833.3	570.6	349.7	245.3	205.9	192.1	185.8	178.3	170.1	167.0
85°	720.0	655.0	459.8	296.5	215.8	183.9	171.4	165.2	155.8	146.4	142.6
87.5°	555.6	507.9	369.1	249.6	188.9	162.7	150.1	142.6	133.9	124.4	121.4
90°	426.0	393.6	295.3	210.3	164.6	141.4	131.3	124.4	114.5	105.1	102.6
92.5°	326.5	304.7	237.1	177.0	140.7	123.9	115.2	107.6	97.6	88.2	86.4
95°	250.9	236.4	191.4	148.3	122.1	108.2	100.7	92.6	82.6	73.9	71.9
97.5°	194.6	184.5	154.5	125.1	105.8	94.5	88.2	80.1	70.0	62.0	60.6
100°	150.8	144.5	125.7	105.1	92.0	82.6	76.4	69.5	60.1	51.4	51.4
102.5°	117.6	113.8	103.2	90.1	80.1	73.2	67.5	60.1	50.7	43.8	43.1
105°	93.2	91.3	85.1	76.9	70.0	64.5	59.4	51.9	43.1	36.9	36.9
107.5°	74.4	73.9	70.7	65.7	61.3	57.0	52.6	45.1	36.9	31.9	31.9



REPORT NUMBER: P255006

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	60.6	60.6	59.4	56.3	53.7	50.0	45.7	39.5	31.2	27.6	27.6
112.5°	50.0	50.7	50.0	48.8	47.5	44.5	40.7	33.8	26.9	24.4	24.4
115°	41.9	42.5	42.5	42.5	41.9	39.5	35.6	29.4	23.2	21.3	21.3
117.5°	35.6	36.3	36.9	36.9	36.3	34.4	31.2	25.6	20.0	18.8	19.4
120°	30.7	31.2	31.9	32.6	31.9	30.7	26.9	21.9	17.5	16.9	16.9
122.5°	26.9	27.6	27.6	28.2	28.2	26.9	23.8	18.8	15.0	15.0	15.0
125°	23.2	23.8	24.4	24.4	25.0	23.2	20.0	15.7	13.1	13.1	13.7
127.5°	20.6	20.6	20.6	21.3	21.3	20.0	17.5	13.1	11.3	11.9	11.9
130°	18.1	18.1	18.8	18.8	18.8	17.5	14.4	11.3	10.1	10.6	10.6
132.5°	15.7	16.3	16.3	15.7	15.7	15.0	11.9	9.4	8.7	9.4	9.4
135°	13.7	14.4	14.4	13.1	13.1	11.9	10.1	7.5	8.0	8.0	8.7
137.5°	11.9	12.6	11.9	11.3	10.6	10.1	8.0	6.2	6.9	7.5	7.5
140°	10.1	10.1	10.1	9.4	8.7	7.5	6.2	5.0	6.2	6.2	6.2
142.5°	8.0	8.0	8.0	7.5	6.2	5.7	4.4	4.4	5.0	5.0	5.0
145°	6.2	6.2	6.2	5.7	4.4	3.8	3.2	3.2	3.8	4.4	4.4
147.5°	4.4	4.4	4.4	3.8	2.5	1.8	1.8	2.5	3.2	3.2	3.2
150°	3.2	3.2	3.2	2.5	1.8	1.2	1.2	1.8	1.8	2.5	2.5
152.5°	1.8	2.5	2.5	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.8	1.2	1.2	0.6	0.0	0.0	0.6	0.6	0.6
157.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
162.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)