

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: P255278

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
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-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6815.6 lumens
Efficiency: N/A
Efficacy: 92.1 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 - G2

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

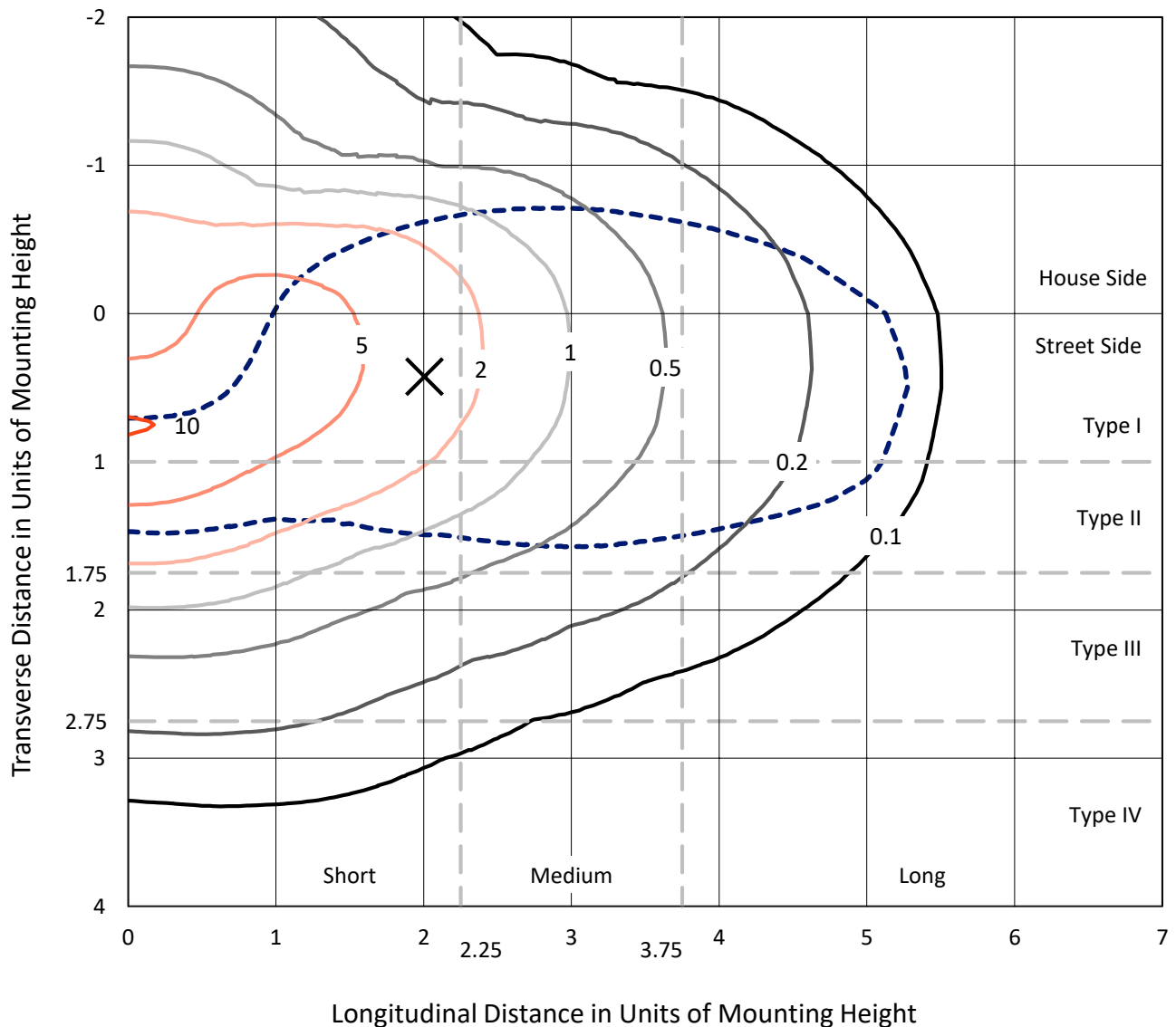


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

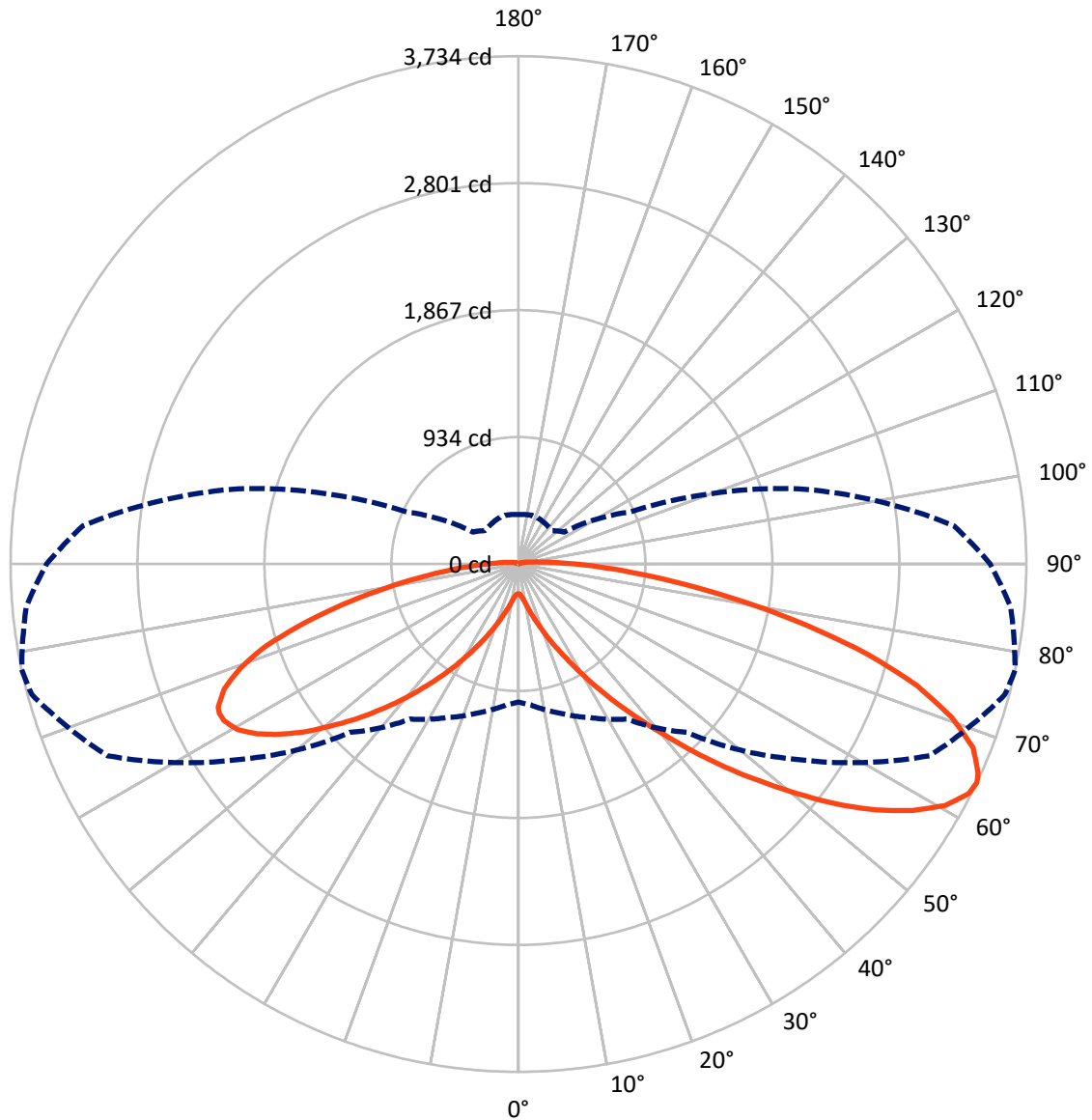


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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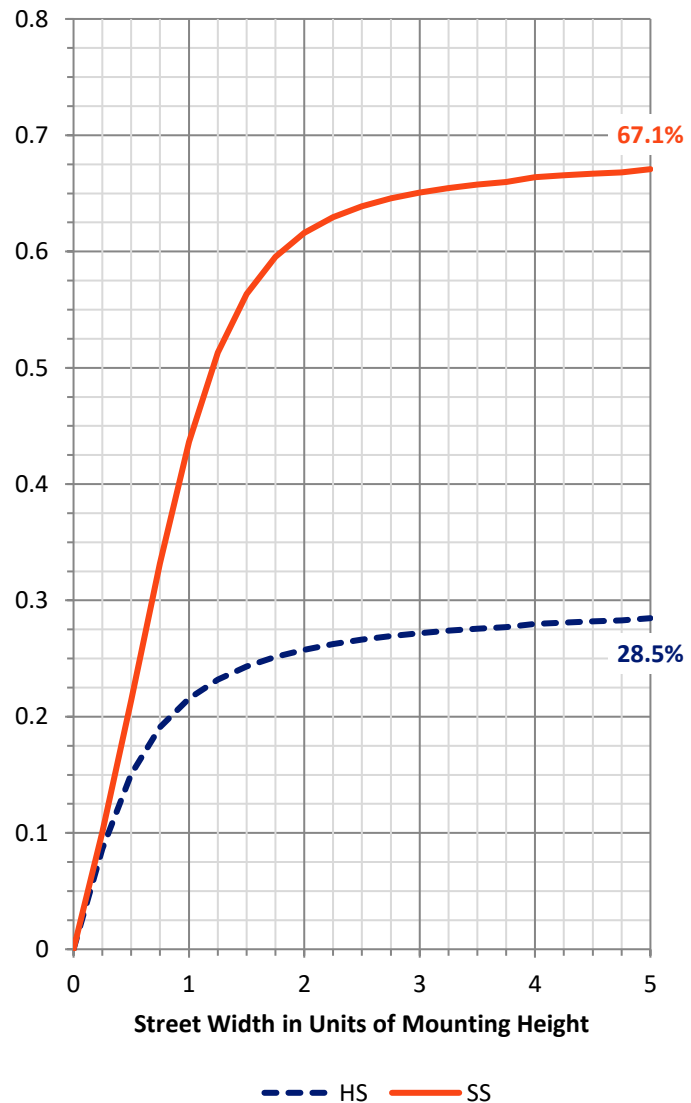
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2001.2	92.2	2093.4
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	4634.9	87.3	4722.2
	% Fixture	68.0	1.3	69.3
Total	Lumens	6636.1	179.5	6815.6
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	0.4
10°-20°	110.5	1.6
20°-30°	308.0	4.5
30°-40°	669.2	9.8
40°-50°	1155.8	17.0
50°-60°	1530.2	22.5
60°-70°	1492.8	21.9
70°-80°	970.3	14.2
80°-90°	375.5	5.5
90°-100°	108.4	1.6
100°-110°	41.2	0.6
110°-120°	17.9	0.3
120°-130°	7.8	0.1
130°-140°	3.2	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6636.1	97.4
0°-180°	6815.6	100.0

Coefficient of Utilization



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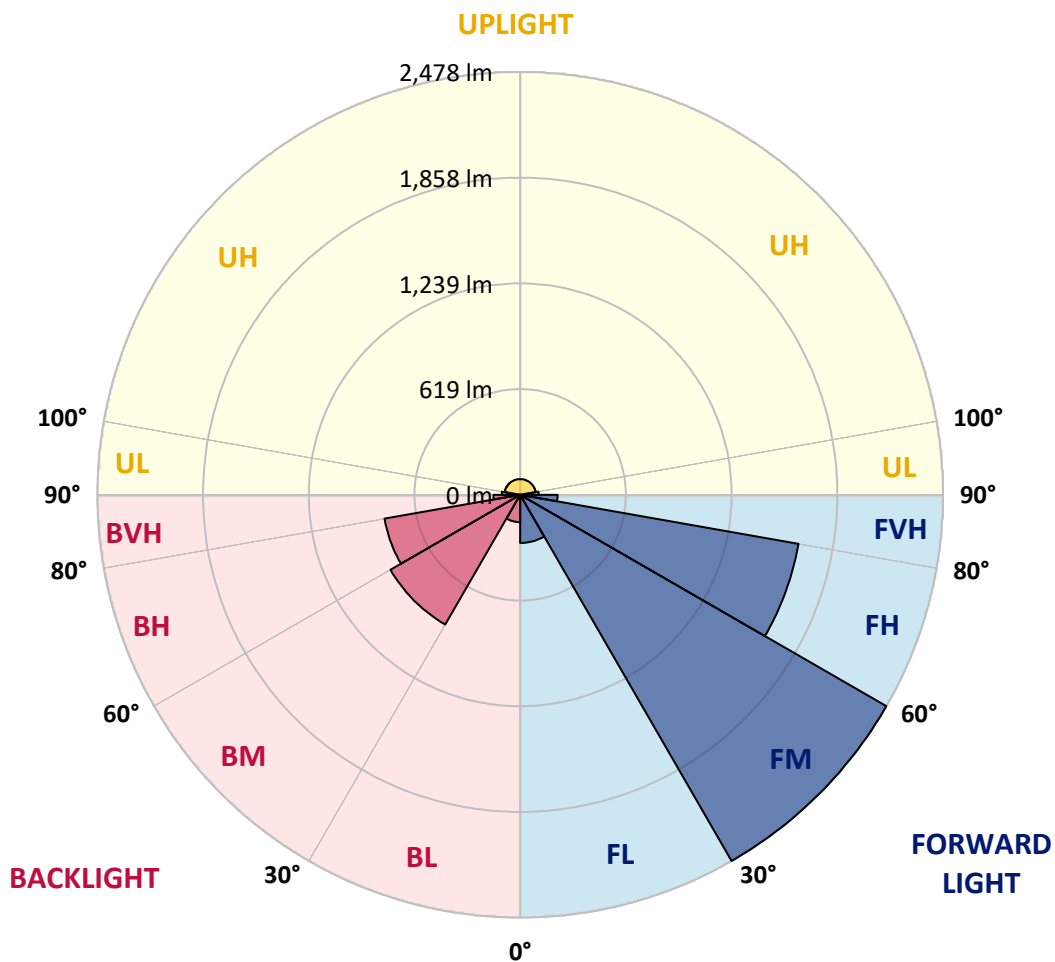
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	282.1	4.1			
FM	(30°-60°)	2477.7	36.4			
FH	(60°-80°)	1656.1	24.3			G1/1800
FVH	(80°-90°)	219.0	3.2			G2/225
BL	(0°-30°)	160.3	2.4	B1/500		
BM	(30°-60°)	877.5	12.9	B1/1000		
BH	(60°-80°)	806.9	11.8	B2/1000		G2/1000
BVH	(80°-90°)	156.5	2.3			G2/225
UL	(90°-100°)	108.4	1.6		U3/500	
UH	(100°-180°)	92.2	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	237.5	236.6	236.6	237.5	235.0	234.3	231.8	228.6	226.1	225.3	222.9
5°	263.5	261.7	260.1	261.0	258.5	254.5	250.4	245.7	241.6	240.0	235.9
7.5°	294.2	295.9	292.6	290.9	287.8	283.6	276.4	270.8	265.1	262.7	258.5
10°	342.8	343.6	337.9	338.8	329.1	324.2	317.0	307.2	300.7	296.6	290.9
12.5°	409.2	408.5	402.1	399.6	387.5	378.5	367.2	355.8	349.3	344.5	334.8
15°	490.3	488.7	484.7	474.9	456.3	445.0	431.2	414.2	405.3	398.8	388.2
17.5°	585.9	586.8	578.7	565.8	540.7	524.5	504.1	481.5	468.5	459.6	448.2
20°	705.2	706.0	691.4	672.7	640.3	617.7	583.6	562.4	542.3	537.3	519.5
22.5°	847.0	846.2	824.3	800.0	756.2	722.2	684.9	650.8	627.3	620.8	601.4
25°	1008.3	1006.8	979.9	954.0	888.4	843.8	795.1	753.1	729.6	716.5	694.7
27.5°	1197.9	1194.8	1159.0	1121.8	1038.3	972.6	913.4	873.7	844.6	827.5	803.3
30°	1402.3	1398.9	1356.0	1295.3	1205.2	1129.8	1052.0	1005.8	972.6	959.7	926.4
32.5°	1622.7	1616.2	1565.9	1492.2	1386.0	1290.4	1211.6	1159.0	1118.5	1105.6	1062.5
35°	1846.4	1837.4	1783.9	1698.0	1575.6	1471.0	1390.9	1335.7	1285.6	1268.5	1216.6
37.5°	2061.1	2049.0	2006.9	1898.3	1774.3	1677.0	1587.0	1518.1	1463.0	1447.5	1379.5
40°	2231.4	2224.1	2185.1	2080.7	1962.3	1864.2	1795.3	1740.2	1670.5	1647.0	1574.0
42.5°	2361.1	2353.8	2323.7	2237.1	2131.6	2064.5	2006.9	1967.1	1907.1	1882.0	1779.1
45°	2428.3	2417.8	2404.8	2342.4	2270.3	2237.1	2229.8	2215.1	2156.8	2127.6	2007.6
47.5°	2412.9	2408.1	2420.2	2382.2	2353.8	2383.0	2445.3	2474.5	2407.3	2380.5	2254.0
50°	2315.6	2322.2	2352.9	2349.7	2377.3	2476.2	2633.3	2729.9	2687.7	2652.0	2514.3
52.5°	2152.7	2161.7	2216.8	2246.8	2326.2	2513.4	2779.3	2970.5	2974.6	2933.3	2777.7
55°	1938.8	1958.3	2025.4	2083.9	2212.0	2470.5	2865.3	3173.2	3234.0	3191.8	3026.5
57.5°	1685.1	1713.4	1787.2	1883.6	2032.8	2352.9	2882.3	3324.8	3453.6	3418.8	3260.8
60°	1420.8	1441.1	1532.7	1641.3	1790.4	2173.0	2811.7	3404.2	3626.4	3604.4	3475.5
62.5°	1161.4	1184.2	1278.3	1397.3	1543.3	1917.7	2644.0	3398.5	3706.5	3717.1	3602.9
64°	1014.8	1039.9	1132.3	1245.0	1390.9	1751.5	2504.5	3335.3	3704.9	3734.1	3633.5
65°	923.2	948.3	1039.0	1150.9	1293.6	1636.4	2400.0	3274.5	3689.4	3713.8	3634.4
67.5°	721.3	741.7	827.5	942.7	1057.0	1348.7	2068.5	3034.5	3564.7	3605.2	3559.0
70°	554.4	573.8	652.5	758.7	854.3	1096.6	1708.6	2683.6	3324.0	3380.7	3358.8
72.5°	426.3	442.5	512.2	604.6	682.5	867.3	1364.9	2268.7	2975.4	3067.8	3072.0
75°	329.1	342.1	399.6	479.8	541.4	674.3	1063.4	1822.0	2531.3	2653.7	2682.0
77.5°	257.0	265.1	311.3	377.0	427.1	515.4	800.0	1402.3	2042.5	2164.1	2214.3
80°	201.8	208.3	243.9	295.9	335.5	387.5	585.9	1037.4	1565.9	1676.1	1724.0
82.5°	156.5	162.1	190.4	232.6	263.5	297.5	419.0	739.2	1139.6	1230.4	1269.3
85°	119.1	123.3	147.5	179.0	204.2	228.6	292.6	505.0	793.6	862.4	889.2
87.5°	88.4	91.6	111.9	137.7	156.5	175.1	213.2	333.9	533.3	582.8	602.2
90°	64.0	66.4	82.7	104.6	120.7	134.5	154.8	221.2	342.8	376.1	390.7
92.5°	45.4	47.8	60.7	78.6	94.1	105.3	119.1	153.9	219.6	237.5	248.8
95°	33.3	34.9	44.6	59.2	72.9	83.5	94.8	111.9	145.1	154.8	158.9
97.5°	25.1	25.9	34.1	45.4	57.6	66.4	74.6	85.1	102.1	107.0	109.4
100°	19.4	20.2	26.8	36.5	46.2	54.3	60.0	66.4	75.4	78.6	80.2
102.5°	16.2	17.1	21.9	29.9	38.1	44.6	49.5	53.5	57.6	59.2	61.6
105°	14.6	14.6	19.4	25.9	32.4	38.1	42.2	43.8	44.6	45.4	46.2
107.5°	12.1	13.0	17.1	22.7	28.4	33.3	35.6	35.6	34.1	34.1	34.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	11.4	11.4	14.6	19.4	25.1	28.4	29.9	28.4	25.1	25.1	25.9
112.5°	9.8	10.5	13.0	17.1	21.9	25.1	25.1	22.7	18.7	18.7	19.4
115°	9.0	9.0	11.4	15.4	18.7	21.1	21.1	18.7	13.7	13.7	14.6
117.5°	8.0	8.0	9.8	13.0	16.2	18.7	17.8	14.6	10.5	10.5	12.1
120°	8.0	8.0	9.0	11.4	13.7	15.4	14.6	11.4	8.0	8.0	9.8
122.5°	7.3	7.3	8.0	9.8	12.1	13.0	12.1	9.0	6.4	7.3	8.0
125°	7.3	7.3	7.3	9.0	10.5	11.4	10.5	7.3	5.7	5.7	6.4
127.5°	6.4	6.4	6.4	7.3	9.0	9.8	8.0	5.7	4.9	4.9	5.7
130°	6.4	6.4	5.7	6.4	8.0	8.0	6.4	4.1	3.3	4.1	4.9
132.5°	5.7	5.7	5.7	5.7	6.4	6.4	5.7	3.3	3.3	3.3	4.1
135°	5.7	5.7	4.9	4.9	5.7	5.7	4.1	2.4	2.4	2.4	3.3
137.5°	4.9	4.9	4.9	4.1	4.1	4.1	3.3	1.6	1.6	2.4	2.4
140°	4.1	4.1	4.1	3.3	3.3	2.4	1.6	0.8	1.6	1.6	2.4
142.5°	3.3	3.3	3.3	2.4	2.4	1.6	0.8	0.8	0.8	1.6	1.6
145°	2.4	2.4	2.4	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6
147.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	222.2	221.2	218.8	217.2	215.6	213.9	213.9	212.4	211.5	210.8	210.8
5°	235.0	231.8	227.8	224.5	220.4	216.5	213.2	210.8	209.1	208.3	207.5
7.5°	254.5	250.4	243.2	237.5	230.2	224.5	219.6	214.8	213.2	211.5	211.5
10°	287.0	279.6	269.1	258.5	248.8	239.1	233.4	226.9	225.3	223.7	223.7
12.5°	329.9	322.7	305.6	290.9	275.6	262.7	253.7	248.0	246.4	243.9	244.7
15°	381.0	367.9	349.3	328.3	308.7	290.9	280.5	271.5	267.4	265.1	265.8
17.5°	438.4	423.9	397.1	369.7	344.5	325.0	307.2	294.2	287.8	285.2	285.2
20°	505.0	488.7	454.7	417.4	385.0	357.4	334.8	315.3	307.2	304.0	304.0
22.5°	583.6	563.3	516.2	468.5	428.0	387.5	357.4	333.9	324.2	321.0	321.0
25°	674.3	647.6	587.6	528.5	467.6	413.3	375.3	350.1	338.8	334.8	334.8
27.5°	769.1	744.0	666.3	590.9	507.4	434.5	389.1	361.5	348.5	346.2	345.3
30°	889.2	853.6	753.1	650.1	541.4	449.0	394.8	367.9	355.0	352.6	352.6
32.5°	1014.8	972.6	851.0	711.6	567.4	455.5	395.5	370.4	359.0	356.6	355.8
35°	1162.3	1108.0	953.2	774.8	590.9	457.9	394.8	372.0	363.1	359.9	359.0
37.5°	1322.8	1253.9	1061.0	833.2	603.0	453.9	392.2	371.3	364.7	360.7	359.9
40°	1496.2	1416.8	1184.2	880.2	604.6	445.8	387.5	372.0	365.6	360.7	359.0
42.5°	1689.9	1594.3	1303.4	923.2	599.9	436.1	384.1	372.0	366.3	360.7	359.0
45°	1905.6	1788.8	1428.1	956.4	586.8	424.7	381.0	372.0	367.2	359.9	359.0
47.5°	2135.7	1997.2	1556.2	982.4	570.7	413.3	379.3	373.6	369.7	360.7	359.9
50°	2376.5	2216.8	1680.2	999.4	551.1	402.8	377.7	373.6	371.3	361.5	360.7
52.5°	2635.8	2449.4	1814.8	1008.3	528.5	392.2	376.1	375.3	372.8	364.0	362.3
55°	2877.4	2673.1	1934.8	1008.3	505.0	382.5	374.4	376.1	375.3	366.3	364.7
57.5°	3102.6	2879.0	2040.1	996.1	479.8	372.8	371.3	375.3	376.1	367.9	366.3
60°	3297.2	3058.9	2114.6	976.7	453.9	363.1	367.2	373.6	376.1	368.8	367.2
62.5°	3428.5	3183.7	2139.8	935.4	426.3	352.6	359.9	368.8	373.6	367.2	365.6
64°	3469.1	3215.4	2134.2	904.5	409.2	346.2	355.0	365.6	370.4	365.6	364.0
65°	3480.4	3220.2	2113.8	878.6	398.8	341.2	350.9	362.3	367.9	363.1	361.5
67.5°	3412.2	3136.0	2014.2	801.6	373.6	328.3	339.6	350.9	358.3	355.8	354.2
70°	3238.9	2957.6	1849.6	717.3	347.7	312.8	324.2	336.4	345.3	343.6	342.8
72.5°	2952.7	2676.3	1642.1	618.4	321.8	295.9	304.0	317.7	326.6	325.8	324.2
75°	2574.2	2305.9	1356.8	528.5	293.4	273.9	282.1	294.2	303.0	301.5	301.5
77.5°	2131.6	1874.8	1089.4	436.8	267.4	250.4	257.8	267.4	275.6	273.1	272.4
80°	1660.7	1442.8	832.4	355.8	240.0	225.3	230.2	237.5	244.7	241.6	240.7
82.5°	1220.7	1055.3	613.6	285.2	212.4	197.0	201.0	207.5	211.5	208.3	207.5
85°	855.9	737.6	444.1	226.9	182.4	169.4	170.2	173.5	176.7	171.9	171.0
87.5°	577.1	494.4	308.0	180.0	153.9	142.7	141.8	143.4	145.9	141.1	138.6
90°	378.5	322.7	210.8	145.9	128.9	119.1	117.6	117.6	118.3	112.6	111.0
92.5°	240.0	209.1	153.2	119.1	107.8	98.9	96.4	95.6	94.8	89.1	88.4
95°	156.5	143.4	117.6	98.9	89.1	81.8	79.4	77.8	76.2	72.1	70.5
97.5°	110.3	103.8	93.2	81.8	74.6	68.1	65.7	63.3	61.6	56.7	55.9
100°	82.7	80.2	75.4	68.1	62.4	56.7	54.3	51.9	50.3	45.4	44.6
102.5°	64.0	64.0	61.6	56.7	51.9	47.0	45.4	42.9	40.5	37.2	36.5
105°	49.5	49.5	50.3	47.8	43.8	40.5	38.1	36.5	34.1	29.9	29.9
107.5°	37.2	38.9	40.5	39.7	37.2	34.1	32.4	30.8	27.6	25.1	25.1



REPORT NUMBER: P255278

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.4	29.2	32.4	33.3	31.5	29.2	27.6	25.1	22.7	20.2	20.2
112.5°	21.1	22.7	25.9	27.6	26.8	25.1	23.5	21.1	17.8	17.1	17.1
115°	16.2	17.8	21.1	22.7	22.7	21.1	19.4	17.1	14.6	13.7	14.6
117.5°	13.0	14.6	17.1	18.7	18.7	17.1	16.2	13.7	12.1	12.1	12.1
120°	10.5	12.1	13.7	15.4	15.4	14.6	13.0	11.4	9.8	10.5	10.5
122.5°	9.0	9.8	11.4	12.1	13.0	12.1	10.5	9.0	8.0	9.0	9.0
125°	7.3	8.0	9.8	9.8	10.5	9.8	9.0	7.3	6.4	7.3	7.3
127.5°	6.4	7.3	8.0	8.0	9.0	8.0	7.3	5.7	5.7	6.4	6.4
130°	4.9	5.7	6.4	6.4	7.3	6.4	5.7	4.9	4.9	5.7	5.7
132.5°	4.1	4.9	4.9	5.7	5.7	5.7	4.9	3.3	4.1	4.1	4.1
135°	4.1	4.1	4.9	4.1	4.1	4.1	3.3	2.4	3.3	3.3	3.3
137.5°	3.3	3.3	4.1	4.1	3.3	3.3	2.4	1.6	2.4	3.3	3.3
140°	2.4	3.3	3.3	3.3	3.3	2.4	1.6	0.8	1.6	1.6	1.6
142.5°	2.4	2.4	3.3	3.3	2.4	1.6	0.8	0.0	0.8	0.8	0.8
145°	1.6	2.4	2.4	2.4	1.6	1.6	0.8	0.0	0.0	0.8	0.0
147.5°	1.6	1.6	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
150°	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.8	0.8	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)