

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: P255008

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255008
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-AF24-70-D-U-T2U-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 6714 lumens
Efficiency: N/A
Efficacy: 90.7 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): 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

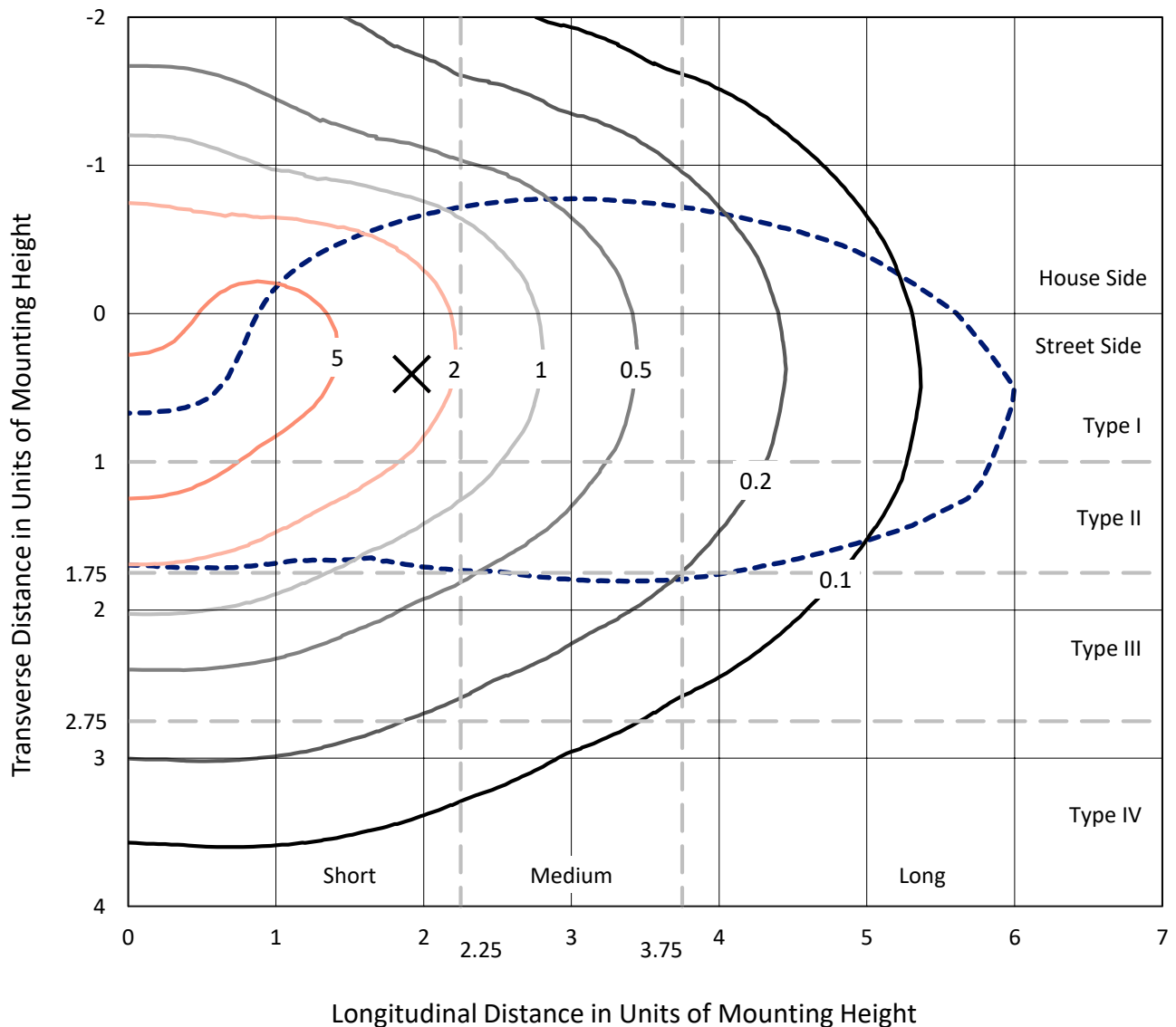


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

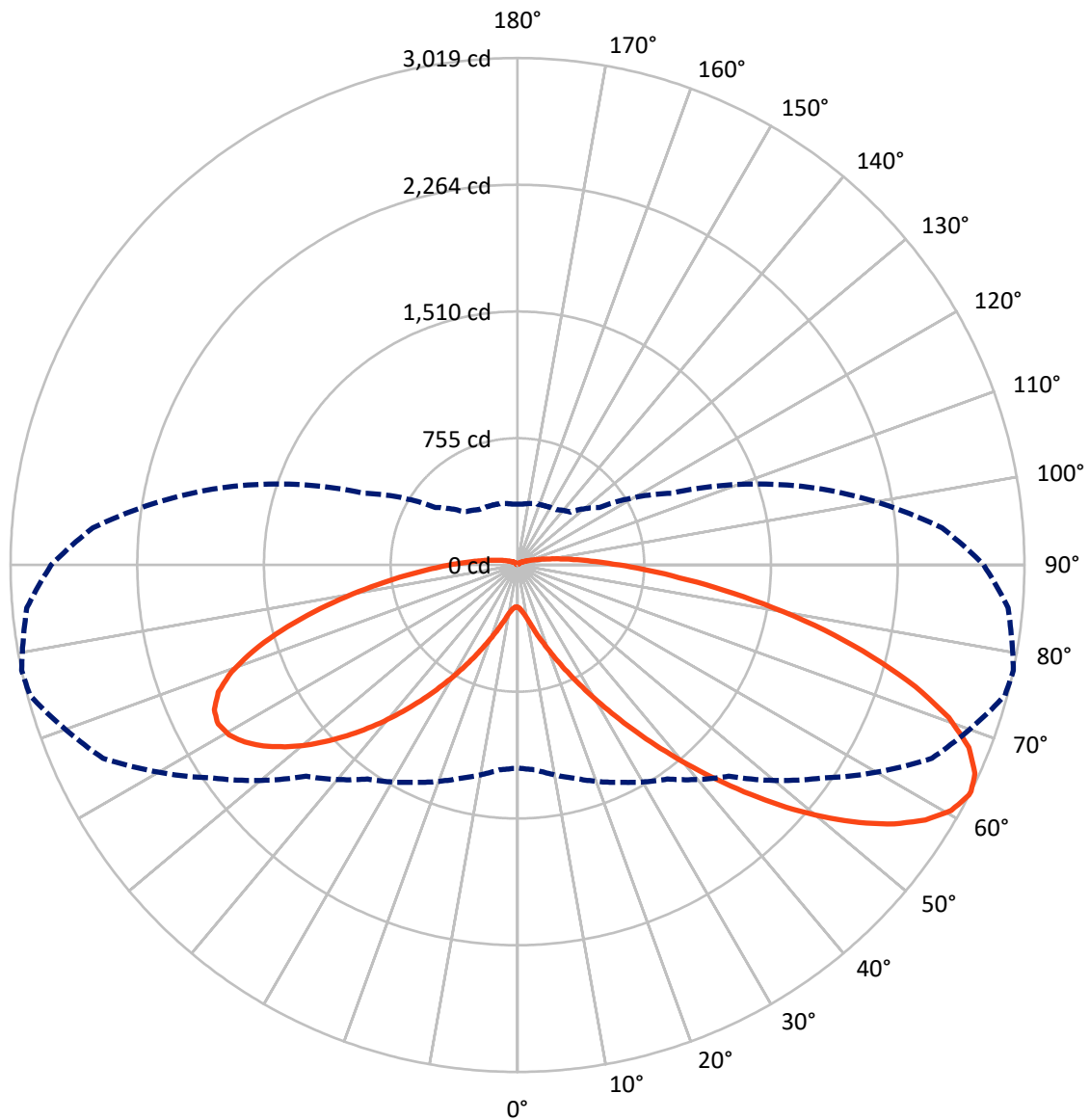


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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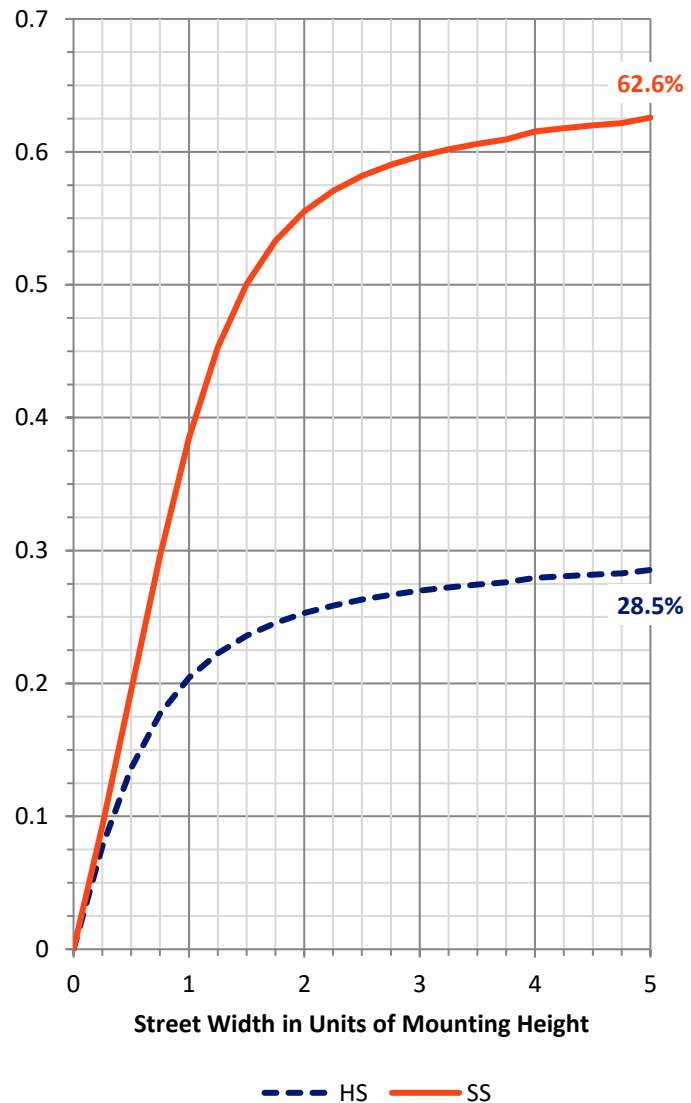
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1994.4	182.3	2176.7
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	4311.5	225.8	4537.3
	% Fixture	64.2	3.4	67.6
Total	Lumens	6305.9	408.1	6714.0
	% Fixture	93.9	6.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	0.4
10°-20°	114.4	1.7
20°-30°	299.1	4.5
30°-40°	621.0	9.2
40°-50°	1046.0	15.6
50°-60°	1374.9	20.5
60°-70°	1361.4	20.3
70°-80°	969.2	14.4
80°-90°	493.3	7.3
90°-100°	214.6	3.2
100°-110°	98.2	1.5
110°-120°	49.9	0.7
120°-130°	26.6	0.4
130°-140°	13.3	0.2
140°-150°	4.7	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6305.9	93.9
0°-180°	6714.0	100.0



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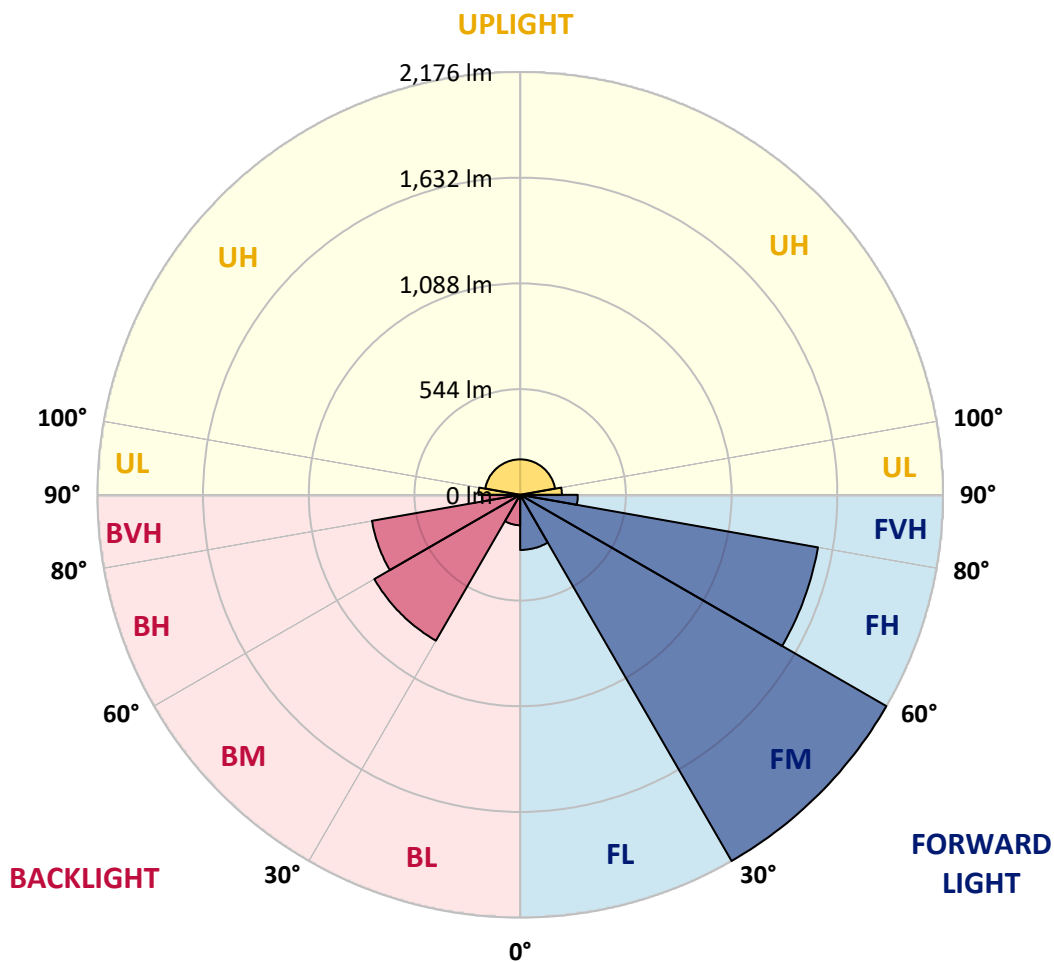
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.8	4.2			
FM (30°-60°)	2175.5	32.4			
FH (60°-80°)	1556.0	23.2			G1/1800
FVH (80°-90°)	296.2	4.4			G3/500
BL (0°-30°)	156.5	2.3	B1/500		
BM (30°-60°)	866.4	12.9	B1/1000		
BH (60°-80°)	774.5	11.5	B2/1000		G2/1000
BVH (80°-90°)	197.0	2.9			G2/225
UL (90°-100°)	214.6	3.2		U3/500	
UH (100°-180°)	182.3	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°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3
2.5°	278.8	279.6	279.6	277.9	276.4	273.1	269.9	265.8	260.1	259.4	255.3
5°	312.1	312.8	312.1	308.7	305.6	299.9	293.4	286.2	276.4	275.6	268.2
7.5°	352.6	353.4	352.6	346.9	341.2	333.1	324.2	313.7	299.9	297.5	287.8
10°	402.8	404.5	402.0	397.1	387.5	375.3	364.0	348.5	333.9	328.3	316.1
12.5°	466.9	466.9	461.9	454.7	442.5	427.1	412.6	393.9	377.7	369.7	356.6
15°	538.2	538.9	532.5	523.6	510.7	487.1	470.9	451.5	431.2	423.9	405.3
17.5°	620.0	621.6	613.6	600.6	582.8	559.3	538.9	516.2	492.8	480.6	461.2
20°	715.6	715.6	706.8	689.8	667.0	641.2	615.2	589.2	563.3	548.7	528.5
22.5°	824.3	824.3	813.8	791.0	758.7	730.3	701.9	672.7	644.4	629.0	603.0
25°	949.9	954.8	934.5	906.2	869.7	830.0	801.6	767.5	736.7	719.7	691.4
27.5°	1091.7	1094.2	1069.1	1026.9	979.9	938.5	907.0	876.1	842.2	824.3	790.3
30°	1244.1	1239.3	1216.6	1166.4	1104.7	1054.5	1022.8	994.5	955.6	941.9	904.5
32.5°	1408.0	1404.6	1375.5	1306.5	1240.1	1179.4	1145.2	1127.4	1088.5	1073.2	1033.4
35°	1580.6	1574.9	1540.0	1467.9	1380.3	1313.9	1283.0	1274.2	1238.5	1223.0	1175.3
37.5°	1761.3	1748.2	1704.6	1612.8	1522.2	1451.6	1437.9	1424.8	1401.4	1385.2	1328.5
40°	1905.5	1899.9	1856.1	1760.5	1662.4	1603.2	1594.3	1603.2	1580.6	1561.9	1496.2
42.5°	2022.3	2018.2	1983.4	1889.3	1791.2	1736.9	1746.6	1775.9	1768.6	1749.9	1677.0
45°	2103.3	2099.2	2074.1	1993.1	1903.1	1863.4	1907.1	1960.6	1965.5	1950.1	1864.2
47.5°	2131.6	2129.3	2115.5	2056.3	1987.4	1977.7	2064.4	2148.7	2168.9	2156.0	2058.8
50°	2095.1	2096.8	2101.7	2075.0	2032.8	2060.3	2188.4	2327.8	2371.6	2356.9	2253.3
52.5°	2001.2	2006.9	2030.4	2039.4	2032.8	2103.3	2292.2	2489.9	2564.6	2548.3	2441.3
55°	1856.9	1865.0	1906.3	1952.6	1985.8	2100.1	2356.9	2626.9	2733.8	2722.5	2611.6
57.5°	1667.2	1683.4	1739.4	1821.3	1888.5	2049.8	2375.7	2720.9	2872.5	2864.3	2756.6
60°	1457.3	1471.0	1548.1	1655.1	1752.3	1951.7	2335.1	2761.4	2966.5	2968.9	2866.9
62.5°	1249.1	1264.4	1355.2	1466.3	1590.3	1810.8	2238.6	2737.2	3005.4	3017.5	2929.2
63°	1208.5	1223.9	1314.7	1428.1	1556.2	1779.1	2212.7	2723.4	3005.4	3019.2	2933.3
65°	1051.3	1065.9	1155.9	1274.2	1409.5	1641.3	2087.1	2642.3	2973.0	2994.0	2926.8
67.5°	868.1	883.5	974.3	1091.0	1221.4	1446.8	1889.3	2475.4	2861.9	2900.1	2857.1
70°	713.3	729.5	812.2	922.3	1044.0	1249.1	1663.2	2250.8	2683.6	2724.9	2708.7
72.5°	587.6	601.4	682.5	774.8	883.5	1065.9	1431.4	1980.1	2428.3	2478.5	2488.3
75°	479.8	494.4	565.8	648.5	744.0	897.2	1206.9	1693.9	2112.2	2181.9	2209.4
77.5°	391.4	405.3	468.5	540.7	621.6	747.4	1000.2	1410.3	1788.0	1872.2	1908.0
80°	319.4	332.3	384.1	449.8	518.8	620.0	819.5	1136.3	1467.1	1543.2	1580.6
82.5°	259.4	270.8	316.1	373.6	432.0	513.8	668.6	909.4	1172.1	1236.0	1256.3
85°	209.1	218.8	259.4	309.6	359.0	422.3	540.7	718.9	916.6	967.0	992.1
87.5°	166.9	175.1	211.5	255.3	297.5	355.0	437.7	573.1	709.2	746.5	762.7
90°	135.4	141.8	171.9	209.1	247.3	289.3	355.0	445.8	545.5	572.2	583.6
92.5°	110.3	115.0	141.8	172.6	206.7	244.7	289.3	352.6	419.9	437.7	445.0
95°	92.5	94.1	117.6	144.2	171.9	204.2	236.6	280.5	324.2	336.4	339.6
97.5°	75.4	77.8	98.2	122.4	145.9	170.2	193.7	224.5	252.1	259.4	260.1
100°	64.8	65.7	82.7	104.6	124.8	144.2	161.2	180.0	196.1	198.6	200.2
102.5°	55.0	55.9	70.5	90.8	107.8	124.0	137.0	147.5	153.9	154.8	154.8
105°	47.8	48.6	60.7	78.6	94.1	106.2	116.7	120.7	122.4	121.6	121.6
107.5°	42.9	42.9	53.5	69.0	82.7	93.2	99.7	100.5	98.2	96.4	96.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	38.1	38.9	47.0	61.6	73.8	81.8	86.8	84.3	79.4	77.8	77.8
112.5°	34.9	35.6	41.3	54.3	64.8	72.9	75.4	71.3	64.8	63.3	64.0
115°	32.4	32.4	37.2	47.8	58.4	64.8	65.7	60.7	53.5	52.7	53.5
117.5°	29.9	29.9	33.3	42.9	51.9	57.6	57.6	51.9	45.4	43.8	44.6
120°	28.4	28.4	30.8	38.1	46.2	51.1	50.3	44.6	38.1	38.1	38.9
122.5°	26.8	26.8	28.4	34.1	41.3	45.4	44.6	38.1	32.4	32.4	33.3
125°	25.1	25.1	25.9	30.8	36.5	39.7	38.9	32.4	28.4	28.4	29.2
127.5°	23.5	23.5	24.4	27.6	32.4	34.9	33.3	27.6	25.1	25.1	25.9
130°	22.7	22.7	22.7	24.4	28.4	30.8	28.4	23.5	21.9	21.9	22.7
132.5°	21.1	21.1	21.1	21.9	24.4	25.9	24.4	20.2	19.4	19.4	20.2
135°	20.2	20.2	19.4	19.4	21.1	21.9	19.4	17.1	17.1	17.1	17.8
137.5°	18.7	18.7	17.8	17.1	17.8	17.8	16.2	13.7	14.6	14.6	15.4
140°	17.1	17.1	16.2	14.6	13.7	13.7	12.1	11.4	12.1	12.1	13.0
142.5°	14.6	14.6	13.7	12.1	10.5	9.8	9.0	9.0	9.8	9.8	10.5
145°	12.1	12.1	11.4	9.8	8.0	7.3	6.4	6.4	7.3	7.3	8.0
147.5°	9.8	9.8	9.0	7.3	5.7	4.1	4.1	4.9	5.7	5.7	5.7
150°	8.0	8.0	7.3	5.7	3.3	2.4	1.6	2.4	3.3	3.3	3.3
152.5°	5.7	5.7	4.9	3.3	2.4	0.8	0.8	1.6	2.4	2.4	2.4
155°	3.3	3.3	2.4	1.6	0.8	0.8	0.8	0.8	1.6	1.6	1.6
157.5°	1.6	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3
2.5°	253.7	252.1	248.0	243.9	240.7	238.3	236.6	234.3	233.4	232.6	232.6
5°	264.2	260.1	252.9	245.7	239.1	233.4	228.6	224.5	222.2	220.4	221.2
7.5°	281.3	274.8	264.2	252.9	242.3	234.3	226.9	222.2	218.1	215.6	215.6
10°	308.0	299.1	282.9	266.7	253.7	241.6	232.6	225.3	220.4	218.1	218.1
12.5°	346.2	334.8	312.1	289.3	271.5	255.3	243.9	236.6	235.0	232.6	232.6
15°	391.4	377.7	350.1	321.0	296.6	274.8	265.1	258.5	254.5	251.3	251.3
17.5°	445.0	427.1	392.2	356.6	326.6	304.0	287.8	278.8	273.9	271.5	271.5
20°	506.5	484.7	441.7	397.1	359.9	335.5	313.7	299.9	295.0	292.6	291.8
22.5°	577.9	551.1	499.4	443.4	399.6	367.2	341.2	321.0	315.3	312.8	311.3
25°	662.9	633.0	564.1	496.0	441.7	397.1	365.6	342.8	334.8	332.3	331.5
27.5°	758.7	722.2	637.8	554.4	481.4	423.9	386.7	363.1	352.6	349.3	350.1
30°	865.7	822.7	718.9	613.6	520.4	448.2	403.6	378.5	367.2	364.0	364.0
32.5°	984.8	928.0	807.3	676.0	556.7	468.5	418.3	392.2	378.5	376.1	376.1
35°	1116.1	1056.9	902.9	739.2	589.2	484.7	428.8	402.8	388.2	385.0	385.0
37.5°	1266.9	1189.1	1004.2	800.0	616.8	496.8	436.1	409.2	394.8	389.8	389.8
40°	1420.1	1330.0	1109.6	857.5	640.3	504.1	440.1	412.6	398.8	392.2	391.4
42.5°	1587.7	1475.1	1217.3	910.2	656.5	508.2	441.0	414.9	400.4	392.2	390.7
45°	1762.1	1640.5	1317.1	955.6	668.6	508.2	440.1	414.2	400.4	389.8	388.2
47.5°	1937.9	1800.1	1420.8	993.7	674.3	505.8	438.4	413.3	399.6	386.7	385.0
50°	2121.2	1959.9	1518.9	1023.6	673.6	501.0	434.5	411.0	396.4	382.5	381.0
52.5°	2293.0	2106.5	1608.9	1044.7	668.6	493.7	429.6	408.5	393.9	378.5	377.0
55°	2460.0	2254.0	1686.8	1056.1	658.2	484.7	424.7	405.3	391.4	374.4	373.6
57.5°	2594.5	2378.0	1747.5	1055.3	642.8	473.3	419.0	401.2	388.2	372.0	370.4
60°	2704.7	2477.8	1786.4	1043.1	624.1	461.9	412.6	396.4	385.0	368.8	366.3
62.5°	2769.5	2533.7	1796.1	1017.2	601.4	449.0	403.6	389.1	379.3	364.7	362.3
63°	2776.9	2538.5	1793.7	1010.7	596.5	445.8	402.0	388.2	378.5	364.0	361.5
65°	2774.4	2536.9	1770.2	977.6	575.5	432.7	393.9	381.0	372.8	359.0	356.6
67.5°	2711.2	2475.4	1703.7	922.3	544.6	415.8	381.0	370.4	362.3	350.1	347.7
70°	2574.2	2344.0	1591.9	853.5	510.7	396.4	364.7	356.6	348.5	337.2	333.9
72.5°	2371.6	2150.3	1441.9	779.7	474.9	373.6	346.9	338.8	332.3	322.6	317.0
75°	2107.4	1904.7	1268.5	697.1	436.1	350.1	325.0	318.5	310.4	301.5	296.6
77.5°	1800.1	1624.2	1085.3	612.0	396.4	323.4	301.5	294.2	287.0	277.2	270.8
80°	1489.8	1342.2	903.7	529.3	356.6	295.0	275.6	269.1	260.1	249.6	243.1
82.5°	1194.8	1079.6	739.2	453.1	317.7	266.7	248.8	240.7	231.0	220.4	216.5
85°	932.8	848.6	595.7	384.1	279.6	238.3	222.2	213.9	201.8	189.7	184.7
87.5°	719.7	658.2	478.2	323.4	244.7	210.8	194.5	184.7	173.5	161.2	157.3
90°	552.0	509.8	382.5	272.4	213.2	183.2	170.2	161.2	148.4	136.1	133.0
92.5°	423.1	394.8	307.2	229.3	182.4	160.5	149.1	139.5	126.4	114.2	111.9
95°	325.0	306.4	248.0	192.1	158.1	140.2	130.4	119.9	107.0	95.6	93.2
97.5°	252.1	239.1	200.2	162.1	137.0	122.4	114.2	103.8	90.8	80.2	78.6
100°	195.3	187.3	162.9	136.1	119.1	107.0	98.9	89.9	77.8	66.4	66.4
102.5°	152.4	147.5	133.8	116.7	103.8	94.8	87.5	77.8	65.7	56.7	55.9
105°	120.7	118.3	110.3	99.7	90.8	83.5	77.0	67.3	55.9	47.8	47.8
107.5°	96.4	95.6	91.6	85.1	79.4	73.8	68.1	58.4	47.8	41.3	41.3



REPORT NUMBER: P255008

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	78.6	78.6	77.0	72.9	69.7	64.8	59.2	51.1	40.5	35.6	35.6
112.5°	64.8	65.7	64.8	63.3	61.6	57.6	52.7	43.8	34.9	31.5	31.5
115°	54.3	55.0	55.0	55.0	54.3	51.1	46.2	38.1	29.9	27.6	27.6
117.5°	46.2	47.0	47.8	47.8	47.0	44.6	40.5	33.3	25.9	24.4	25.1
120°	39.7	40.5	41.3	42.2	41.3	39.7	34.9	28.4	22.7	21.9	21.9
122.5°	34.9	35.6	35.6	36.5	36.5	34.9	30.8	24.4	19.4	19.4	19.4
125°	29.9	30.8	31.5	31.5	32.4	29.9	25.9	20.2	17.1	17.1	17.8
127.5°	26.8	26.8	26.8	27.6	27.6	25.9	22.7	17.1	14.6	15.4	15.4
130°	23.5	23.5	24.4	24.4	24.4	22.7	18.7	14.6	13.0	13.7	13.7
132.5°	20.2	21.1	21.1	20.2	20.2	19.4	15.4	12.1	11.4	12.1	12.1
135°	17.8	18.7	18.7	17.1	17.1	15.4	13.0	9.8	10.5	10.5	11.4
137.5°	15.4	16.2	15.4	14.6	13.7	13.0	10.5	8.0	9.0	9.8	9.8
140°	13.0	13.0	13.0	12.1	11.4	9.8	8.0	6.4	8.0	8.0	8.0
142.5°	10.5	10.5	10.5	9.8	8.0	7.3	5.7	5.7	6.4	6.4	6.4
145°	8.0	8.0	8.0	7.3	5.7	4.9	4.1	4.1	4.9	5.7	5.7
147.5°	5.7	5.7	5.7	4.9	3.3	2.4	2.4	3.3	4.1	4.1	4.1
150°	4.1	4.1	4.1	3.3	2.4	1.6	1.6	2.4	2.4	3.3	3.3
152.5°	2.4	3.3	3.3	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
155°	1.6	1.6	2.4	1.6	1.6	0.8	0.0	0.0	0.8	0.8	0.8
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)