

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: P255277

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255277
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-AF24-60-D-U-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6078 lumens
Efficiency: N/A
Efficacy: 95.0 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 - G2

Input Watts (W): 64
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

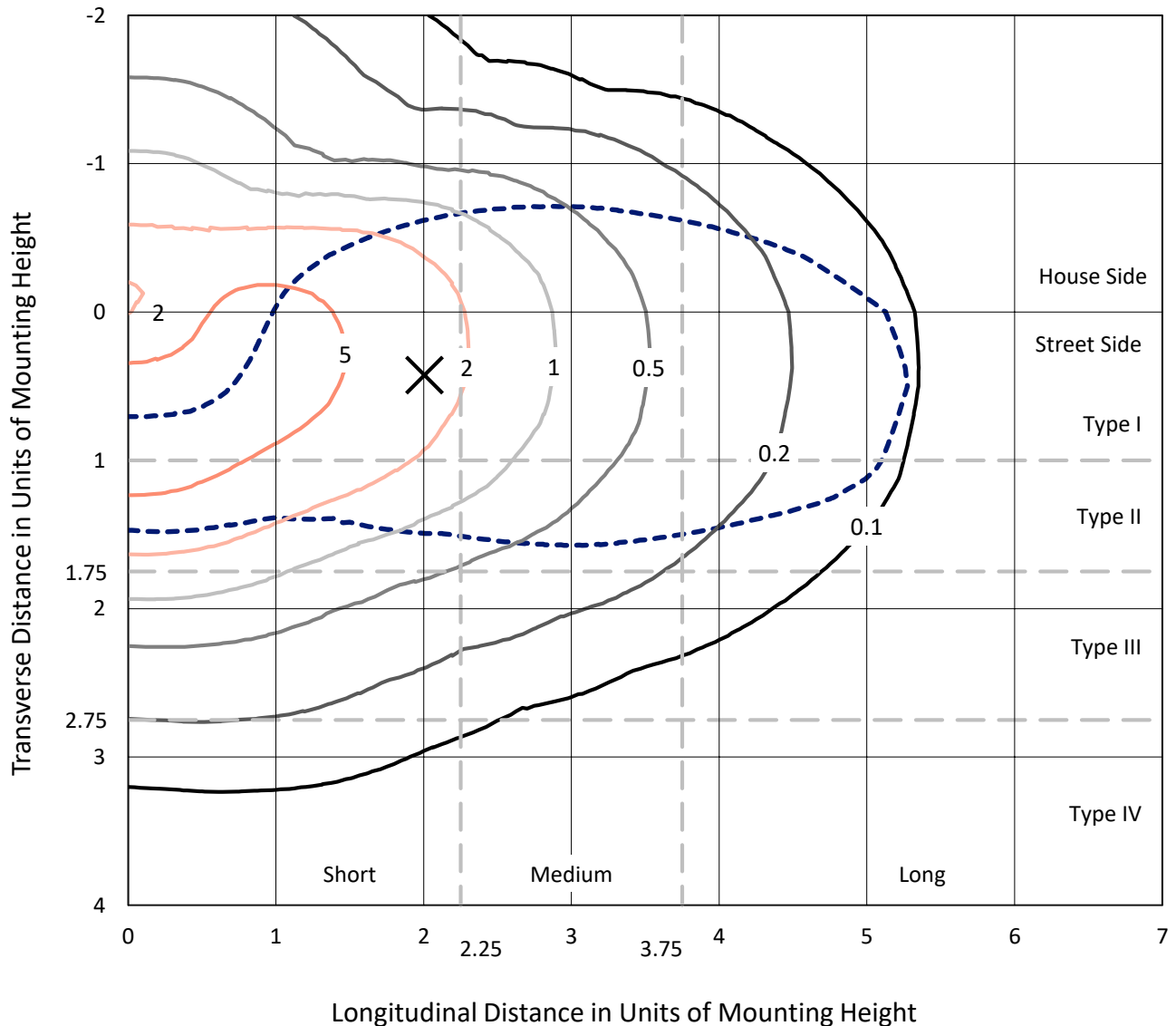


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

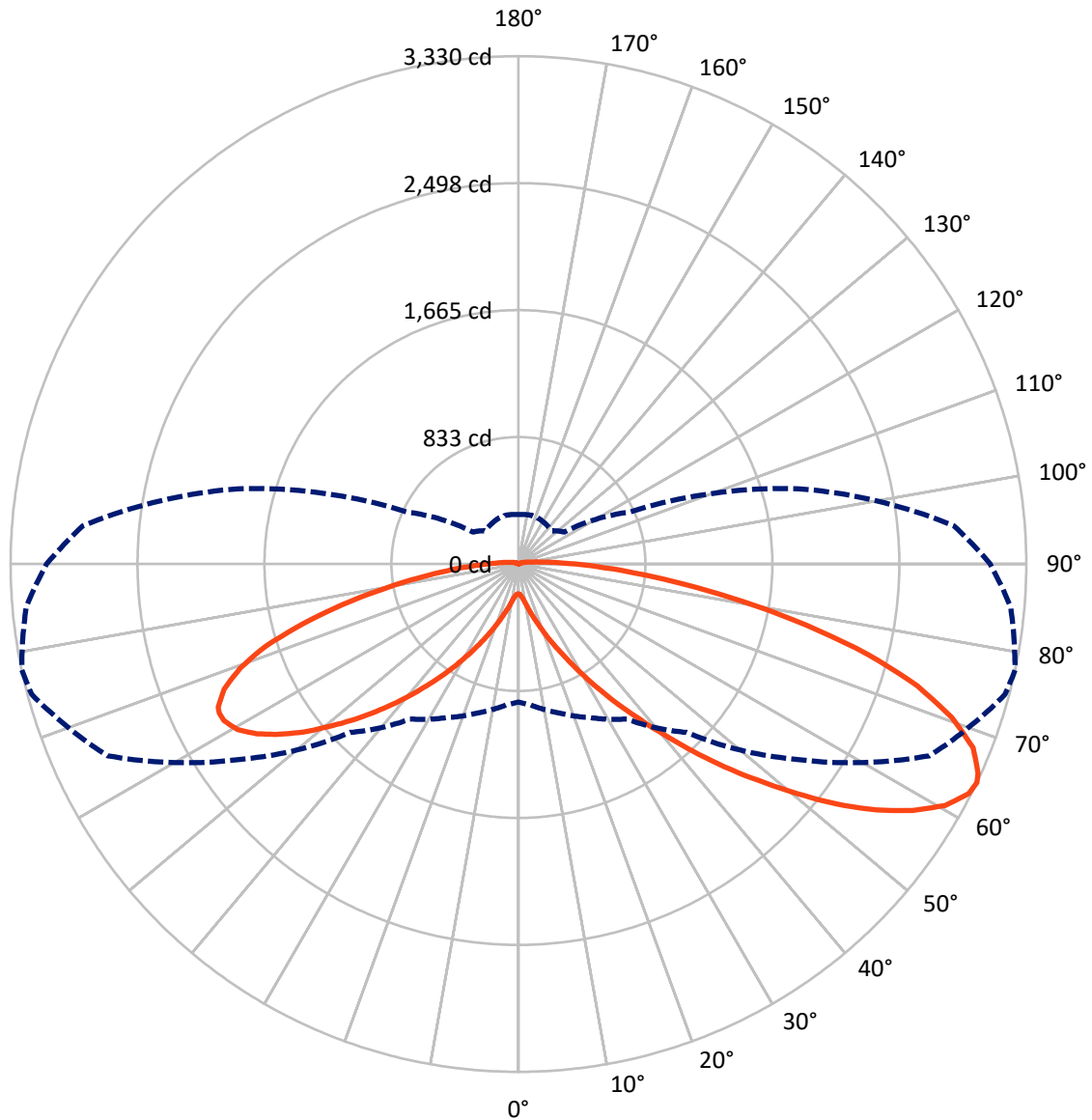


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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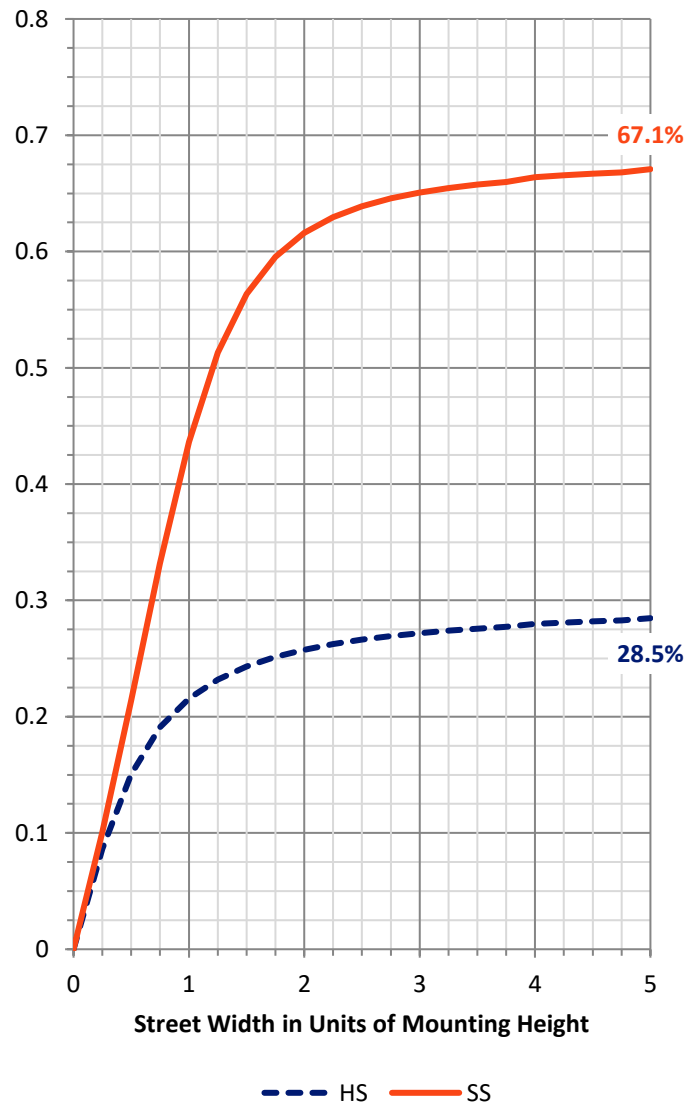
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1784.6	82.2	1866.8
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	4133.4	77.9	4211.2
	% Fixture	68.0	1.3	69.3
Total	Lumens	5918.0	160.0	6078.0
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.4
10°-20°	98.5	1.6
20°-30°	274.7	4.5
30°-40°	596.8	9.8
40°-50°	1030.7	17.0
50°-60°	1364.6	22.5
60°-70°	1331.3	21.9
70°-80°	865.3	14.2
80°-90°	334.9	5.5
90°-100°	96.6	1.6
100°-110°	36.8	0.6
110°-120°	16.0	0.3
120°-130°	7.0	0.1
130°-140°	2.8	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5918.0	97.4
0°-180°	6078.0	100.0

Coefficient of Utilization



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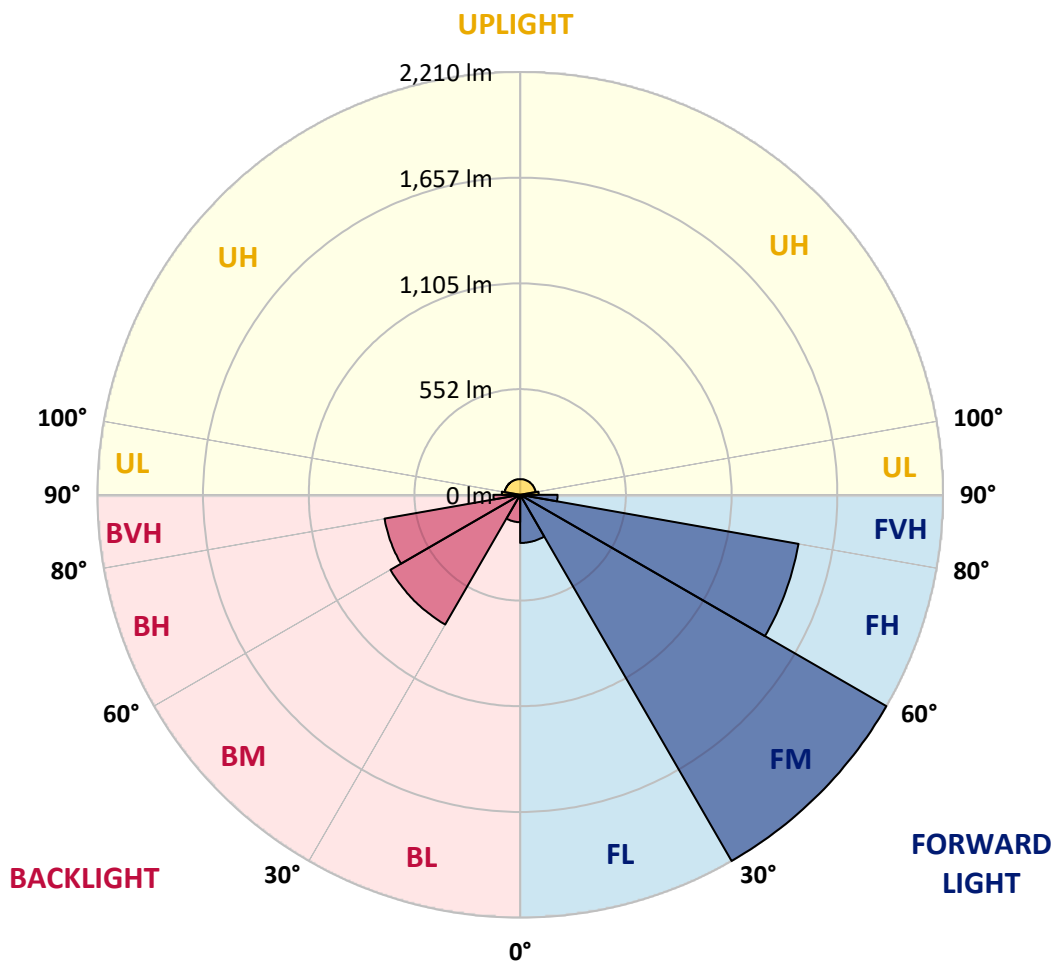
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.6	4.1			
FM (30°-60°)	2209.6	36.4			
FH (60°-80°)	1476.9	24.3			G1/1800
FVH (80°-90°)	195.3	3.2			G2/225
BL (0°-30°)	142.9	2.4	B1/500		
BM (30°-60°)	782.5	12.9	B1/1000		
BH (60°-80°)	719.6	11.8	B2/1000		G2/1000
BVH (80°-90°)	139.6	2.3			G2/225
UL (90°-100°)	96.6	1.6		U3/500	
UH (100°-180°)	82.2	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°	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9
2.5°	211.8	211.1	211.1	211.8	209.7	208.9	206.7	203.9	201.7	200.9	198.8
5°	234.9	233.5	232.0	232.7	230.5	226.9	223.3	219.1	215.3	213.9	210.4
7.5°	262.3	263.9	260.9	259.5	256.6	252.9	246.5	241.5	236.3	234.2	230.5
10°	305.7	306.5	301.4	302.1	293.5	289.1	282.7	273.9	268.1	264.5	259.5
12.5°	365.0	364.3	358.5	356.4	345.5	337.5	327.4	317.3	311.5	307.2	298.5
15°	437.2	435.8	432.2	423.6	407.0	396.8	384.6	369.4	361.4	355.6	346.3
17.5°	522.6	523.4	516.1	504.6	482.2	467.6	449.6	429.4	417.8	409.8	399.7
20°	628.9	629.6	616.6	600.0	571.0	550.7	520.4	501.6	483.6	479.2	463.4
22.5°	755.3	754.7	735.1	713.5	674.3	644.1	610.8	580.3	559.4	553.7	536.4
25°	899.2	897.8	873.8	850.8	792.2	752.5	709.1	671.5	650.5	638.9	619.5
27.5°	1068.3	1065.4	1033.6	1000.4	926.0	867.4	814.6	779.2	753.2	738.0	716.3
30°	1250.5	1247.6	1209.3	1155.1	1074.8	1007.6	938.2	897.0	867.4	855.8	826.2
32.5°	1447.0	1441.3	1396.5	1330.7	1236.0	1150.7	1080.6	1033.6	997.5	985.9	947.6
35°	1646.5	1638.7	1591.0	1514.4	1405.2	1311.8	1240.3	1191.3	1146.3	1131.2	1085.0
37.5°	1838.2	1827.3	1789.6	1692.9	1582.3	1495.5	1415.2	1353.8	1304.7	1291.0	1230.3
40°	1989.9	1983.4	1948.7	1855.4	1749.9	1662.5	1601.0	1551.9	1489.8	1468.8	1403.8
42.5°	2105.5	2099.1	2072.3	1995.0	1901.0	1841.0	1789.6	1754.2	1700.8	1678.3	1586.6
45°	2165.5	2156.1	2144.6	2088.9	2024.6	1995.0	1988.5	1975.5	1923.4	1897.4	1790.4
47.5°	2151.9	2147.5	2158.3	2124.3	2099.1	2125.1	2180.7	2206.8	2146.7	2122.9	2010.2
50°	2065.1	2070.9	2098.4	2095.5	2120.0	2208.2	2348.4	2434.4	2396.8	2365.0	2242.2
52.5°	1919.8	1927.8	1976.9	2003.7	2074.5	2241.5	2478.5	2649.1	2652.7	2615.8	2477.1
55°	1729.0	1746.3	1806.3	1858.4	1972.5	2203.1	2555.1	2829.9	2884.0	2846.4	2699.0
57.5°	1502.8	1528.0	1593.8	1679.9	1812.8	2098.4	2570.4	2965.0	3079.9	3048.9	2907.9
60°	1267.1	1285.2	1366.9	1463.7	1596.8	1937.8	2507.5	3035.9	3233.8	3214.4	3099.4
62.5°	1035.8	1056.0	1139.9	1246.1	1376.2	1710.2	2357.9	3030.8	3305.4	3314.8	3212.9
64°	905.0	927.4	1009.8	1110.3	1240.3	1562.0	2233.5	2974.4	3304.0	3330.0	3240.4
65°	823.3	845.6	926.6	1026.4	1153.7	1459.3	2140.3	2920.2	3290.3	3311.9	3241.0
67.5°	643.3	661.3	738.0	840.6	942.6	1202.7	1844.7	2706.3	3179.0	3215.1	3173.9
70°	494.4	511.8	582.0	676.6	761.9	978.0	1523.7	2393.3	2964.3	3014.9	2995.4
72.5°	380.2	394.7	456.8	539.2	608.6	773.4	1217.2	2023.2	2653.5	2735.9	2739.4
75°	293.5	305.1	356.4	427.9	482.8	601.4	948.4	1624.9	2257.4	2366.5	2391.8
77.5°	229.1	236.3	277.5	336.1	380.9	459.8	713.5	1250.5	1821.5	1929.9	1974.8
80°	180.0	185.7	217.5	263.9	299.3	345.5	522.6	925.2	1396.5	1494.7	1537.4
82.5°	139.6	144.5	169.9	207.5	234.9	265.3	373.6	659.2	1016.3	1097.3	1131.9
85°	106.2	110.0	131.5	159.7	182.1	203.9	260.9	450.3	707.7	769.0	792.9
87.5°	78.7	81.7	99.8	122.9	139.6	156.1	190.1	297.8	475.6	519.7	537.0
90°	57.2	59.2	73.8	93.2	107.7	119.9	138.1	197.3	305.7	335.4	348.4
92.5°	40.4	42.6	54.2	70.2	83.8	94.0	106.2	137.3	195.9	211.8	221.9
95°	29.6	31.0	39.8	52.8	65.0	74.4	84.5	99.8	129.4	138.1	141.7
97.5°	22.4	23.2	30.4	40.4	51.4	59.2	66.5	75.9	91.1	95.4	97.6
100°	17.4	18.0	23.8	32.6	41.2	48.4	53.5	59.2	67.2	70.2	71.6
102.5°	14.4	15.2	19.5	26.8	34.0	39.8	44.1	47.7	51.4	52.8	54.9
105°	13.0	13.0	17.4	23.2	29.0	34.0	37.5	39.0	39.8	40.4	41.2
107.5°	10.8	11.6	15.2	20.2	25.3	29.6	31.8	31.8	30.4	30.4	31.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	10.2	10.2	13.0	17.4	22.4	25.3	26.8	25.3	22.4	22.4	23.2
112.5°	8.6	9.4	11.6	15.2	19.5	22.4	22.4	20.2	16.6	16.6	17.4
115°	7.9	7.9	10.2	13.7	16.6	18.8	18.8	16.6	12.2	12.2	13.0
117.5°	7.2	7.2	8.6	11.6	14.4	16.6	16.0	13.0	9.4	9.4	10.8
120°	7.2	7.2	7.9	10.2	12.2	13.7	13.0	10.2	7.2	7.2	8.6
122.5°	6.5	6.5	7.2	8.6	10.8	11.6	10.8	7.9	5.8	6.5	7.2
125°	6.5	6.5	6.5	7.9	9.4	10.2	9.4	6.5	5.0	5.0	5.8
127.5°	5.8	5.8	5.8	6.5	7.9	8.6	7.2	5.0	4.4	4.4	5.0
130°	5.8	5.8	5.0	5.8	7.2	7.2	5.8	3.6	2.8	3.6	4.4
132.5°	5.0	5.0	5.0	5.0	5.8	5.8	5.0	2.8	2.8	2.8	3.6
135°	5.0	5.0	4.4	4.4	5.0	5.0	3.6	2.1	2.1	2.1	2.8
137.5°	4.4	4.4	4.4	3.6	3.6	3.6	2.8	1.4	1.4	2.1	2.1
140°	3.6	3.6	3.6	2.8	2.8	2.1	1.4	0.8	1.4	1.4	2.1
142.5°	2.8	2.8	2.8	2.1	2.1	1.4	0.8	0.8	0.8	1.4	1.4
145°	2.1	2.1	2.1	1.4	1.4	0.8	0.8	0.8	0.8	0.8	1.4
147.5°	1.4	1.4	1.4	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°	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9
2.5°	198.1	197.3	195.1	193.7	192.3	190.8	190.8	189.3	188.7	187.9	187.9
5°	209.7	206.7	203.1	200.3	196.5	193.0	190.1	187.9	186.5	185.7	185.0
7.5°	226.9	223.3	216.9	211.8	205.3	200.3	195.9	191.5	190.1	188.7	188.7
10°	255.8	249.3	240.0	230.5	221.9	213.3	208.1	202.3	200.9	199.5	199.5
12.5°	294.2	287.7	272.5	259.5	245.8	234.2	226.2	221.1	219.7	217.5	218.3
15°	339.7	328.1	311.5	292.7	275.5	259.5	250.1	242.1	238.5	236.3	237.1
17.5°	391.0	378.0	354.2	329.6	307.2	289.9	273.9	262.3	256.6	254.5	254.5
20°	450.3	435.8	405.5	372.2	343.3	318.7	298.5	281.2	273.9	271.1	271.1
22.5°	520.4	502.4	460.4	417.8	381.7	345.5	318.7	297.8	289.1	286.3	286.3
25°	601.4	577.6	524.0	471.2	417.1	368.6	334.7	312.3	302.1	298.5	298.5
27.5°	685.9	663.5	594.2	526.9	452.5	387.5	347.0	322.5	310.9	308.6	307.9
30°	792.9	761.1	671.5	579.7	482.8	400.4	352.1	328.1	316.7	314.4	314.4
32.5°	905.0	867.4	759.0	634.7	506.0	406.2	352.7	330.3	320.2	318.1	317.3
35°	1036.6	988.1	850.0	691.1	526.9	408.4	352.1	331.8	323.9	320.9	320.2
37.5°	1179.7	1118.2	946.1	743.1	537.8	404.8	349.8	331.0	325.3	321.7	320.9
40°	1334.3	1263.5	1056.0	785.0	539.2	397.6	345.5	331.8	326.0	321.7	320.2
42.5°	1507.1	1421.8	1162.3	823.3	535.0	388.9	342.6	331.8	326.6	321.7	320.2
45°	1699.3	1595.3	1273.6	852.9	523.4	378.8	339.7	331.8	327.4	320.9	320.2
47.5°	1904.6	1781.0	1387.8	876.0	508.8	368.6	338.2	333.2	329.6	321.7	320.9
50°	2119.3	1976.9	1498.4	891.2	491.5	359.3	336.8	333.2	331.0	322.5	321.7
52.5°	2350.6	2184.3	1618.3	899.2	471.2	349.8	335.4	334.7	332.4	324.5	323.1
55°	2566.0	2383.8	1725.4	899.2	450.3	341.2	333.9	335.4	334.7	326.6	325.3
57.5°	2767.0	2567.5	1819.3	888.4	427.9	332.4	331.0	334.7	335.4	328.1	326.6
60°	2940.3	2727.8	1885.9	871.1	404.8	323.9	327.4	333.2	335.4	328.9	327.4
62.5°	3057.5	2839.2	1908.2	834.0	380.2	314.4	320.9	328.9	333.2	327.4	326.0
64°	3093.6	2867.4	1903.2	806.7	365.0	308.6	316.7	326.0	330.3	326.0	324.5
65°	3103.8	2871.8	1885.2	783.5	355.6	304.3	313.0	323.1	328.1	323.9	322.5
67.5°	3043.1	2796.6	1796.2	714.9	333.2	292.7	302.8	313.0	319.5	317.3	315.9
70°	2888.4	2637.5	1649.5	639.7	310.1	279.0	289.1	299.9	307.9	306.5	305.7
72.5°	2633.2	2386.8	1464.4	551.5	287.0	263.9	271.1	283.3	291.2	290.5	289.1
75°	2295.6	2056.4	1210.0	471.2	261.6	244.3	251.6	262.3	270.3	268.9	268.9
77.5°	1901.0	1671.8	971.5	389.6	238.5	223.3	229.9	238.5	245.8	243.5	242.9
80°	1481.0	1286.6	742.3	317.3	213.9	200.9	205.3	211.8	218.3	215.3	214.7
82.5°	1088.5	941.2	547.2	254.5	189.3	175.7	179.3	185.0	188.7	185.7	185.0
85°	763.2	657.7	396.1	202.3	162.7	151.1	151.8	154.7	157.6	153.3	152.5
87.5°	514.6	441.0	274.7	160.5	137.3	127.2	126.5	128.0	130.1	125.7	123.6
90°	337.5	287.7	187.9	130.1	114.9	106.2	104.8	104.8	105.6	100.5	99.0
92.5°	213.9	186.5	136.6	106.2	96.1	88.2	86.0	85.3	84.5	79.5	78.7
95°	139.6	128.0	104.8	88.2	79.5	72.9	70.8	69.4	68.0	64.4	63.0
97.5°	98.4	92.6	83.1	72.9	66.5	60.7	58.6	56.4	54.9	50.6	49.8
100°	73.8	71.6	67.2	60.7	55.6	50.6	48.4	46.2	44.8	40.4	39.8
102.5°	57.2	57.2	54.9	50.6	46.2	41.9	40.4	38.4	36.2	33.3	32.6
105°	44.1	44.1	44.8	42.6	39.0	36.2	34.0	32.6	30.4	26.8	26.8
107.5°	33.3	34.8	36.2	35.4	33.3	30.4	29.0	27.5	24.6	22.4	22.4



REPORT NUMBER: P255277

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.3	26.0	29.0	29.6	28.2	26.0	24.6	22.4	20.2	18.0	18.0
112.5°	18.8	20.2	23.2	24.6	23.8	22.4	21.0	18.8	16.0	15.2	15.2
115°	14.4	16.0	18.8	20.2	20.2	18.8	17.4	15.2	13.0	12.2	13.0
117.5°	11.6	13.0	15.2	16.6	16.6	15.2	14.4	12.2	10.8	10.8	10.8
120°	9.4	10.8	12.2	13.7	13.7	13.0	11.6	10.2	8.6	9.4	9.4
122.5°	7.9	8.6	10.2	10.8	11.6	10.8	9.4	7.9	7.2	7.9	7.9
125°	6.5	7.2	8.6	8.6	9.4	8.6	7.9	6.5	5.8	6.5	6.5
127.5°	5.8	6.5	7.2	7.2	7.9	7.2	6.5	5.0	5.0	5.8	5.8
130°	4.4	5.0	5.8	5.8	6.5	5.8	5.0	4.4	4.4	5.0	5.0
132.5°	3.6	4.4	4.4	5.0	5.0	5.0	4.4	2.8	3.6	3.6	3.6
135°	3.6	3.6	4.4	3.6	3.6	3.6	2.8	2.1	2.8	2.8	2.8
137.5°	2.8	2.8	3.6	3.6	2.8	2.8	2.1	1.4	2.1	2.8	2.8
140°	2.1	2.8	2.8	2.8	2.8	2.1	1.4	0.8	1.4	1.4	1.4
142.5°	2.1	2.1	2.8	2.8	2.1	1.4	0.8	0.0	0.8	0.8	0.8
145°	1.4	2.1	2.1	2.1	1.4	1.4	0.8	0.0	0.0	0.8	0.0
147.5°	1.4	1.4	2.1	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0
150°	0.8	1.4	1.4	1.4	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)