

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: P255170

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
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-T4W-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6743.5 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - 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

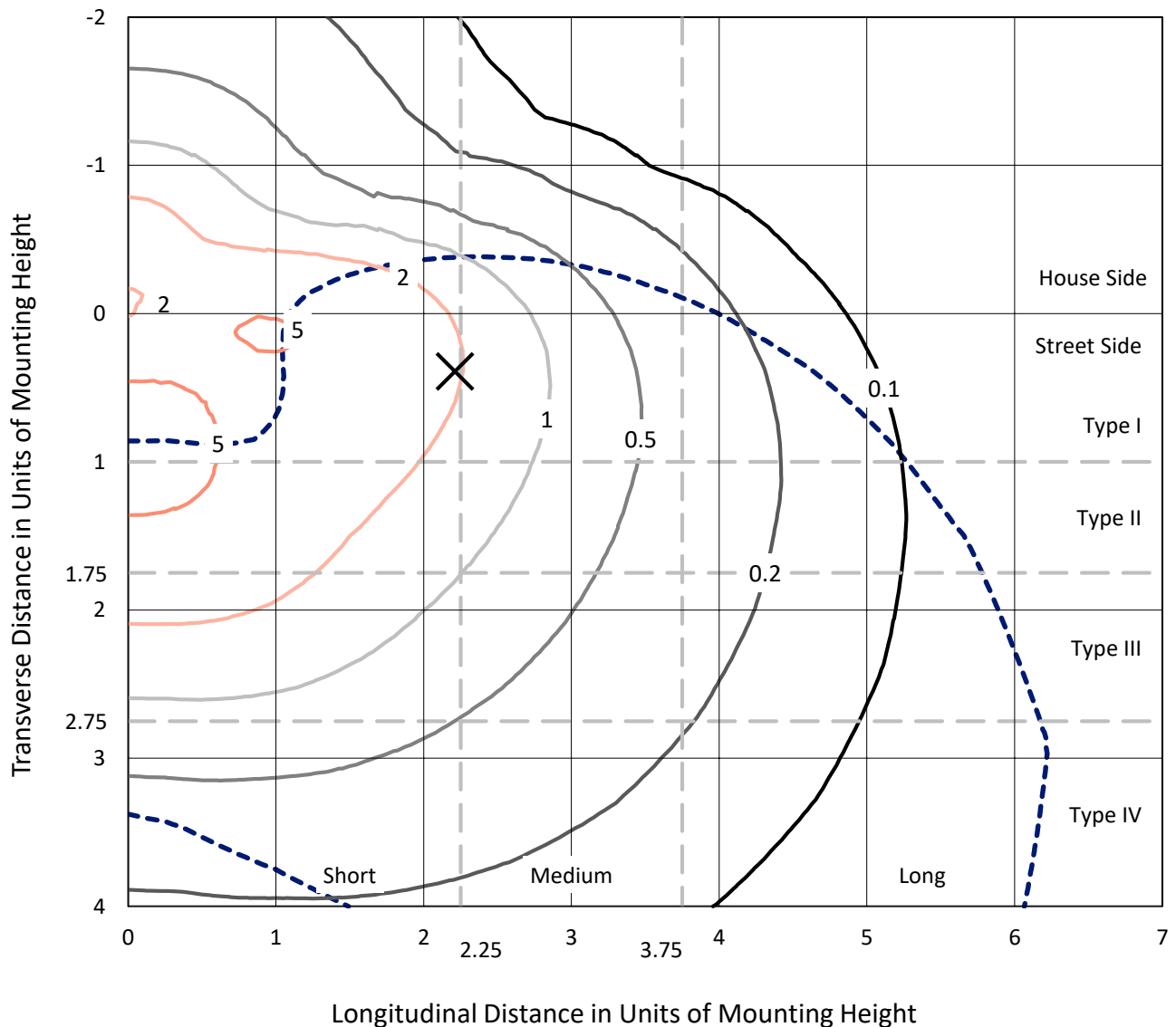


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

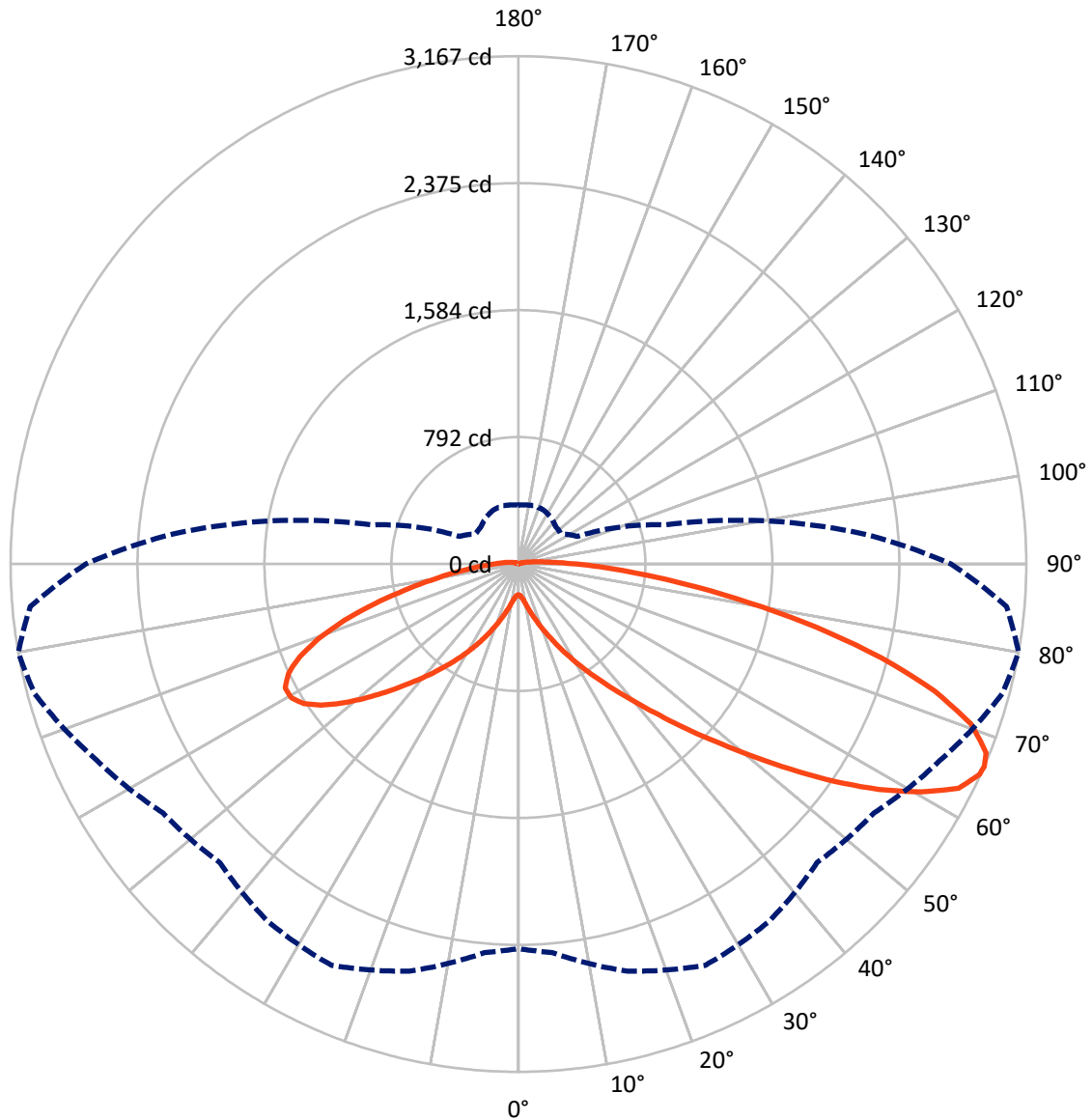


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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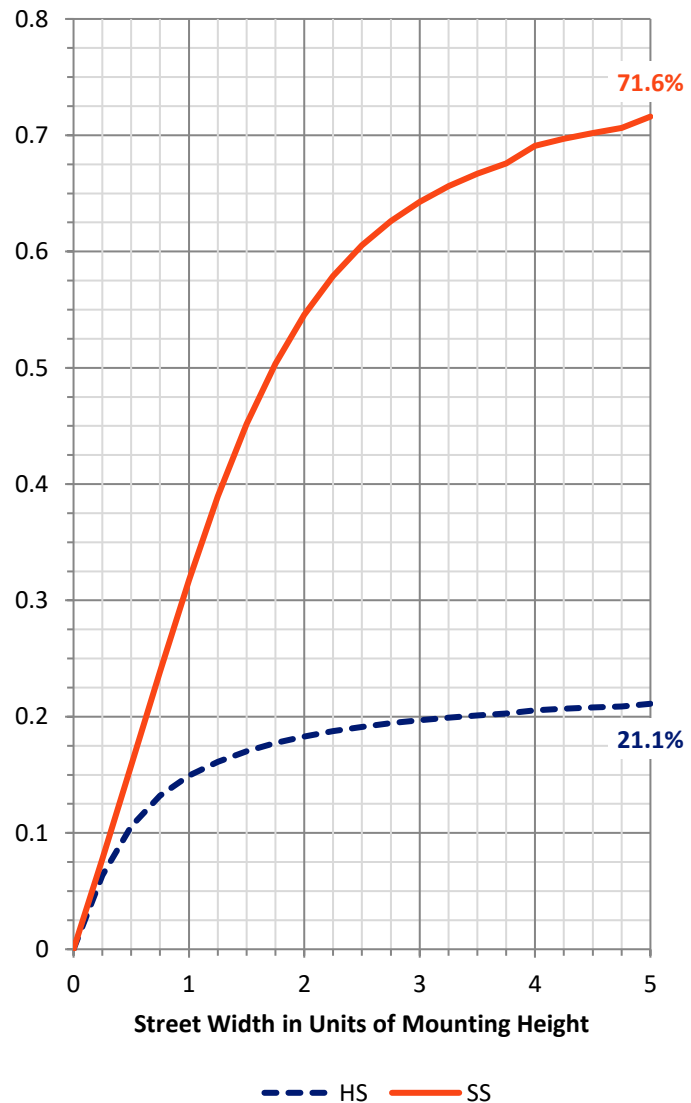
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1495.5	96.4	1591.9
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	5022.5	129.1	5151.6
	% Fixture	74.5	1.9	76.4
Total	Lumens	6518.0	225.5	6743.5
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.3
10°-20°	91.5	1.4
20°-30°	233.7	3.5
30°-40°	462.5	6.9
40°-50°	801.7	11.9
50°-60°	1278.3	19.0
60°-70°	1661.9	24.6
70°-80°	1374.5	20.4
80°-90°	593.0	8.8
90°-100°	154.6	2.3
100°-110°	45.6	0.7
110°-120°	17.0	0.3
120°-130°	5.9	0.1
130°-140°	1.9	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6518.0	96.7
0°-180°	6743.5	100.0

Coefficient of Utilization



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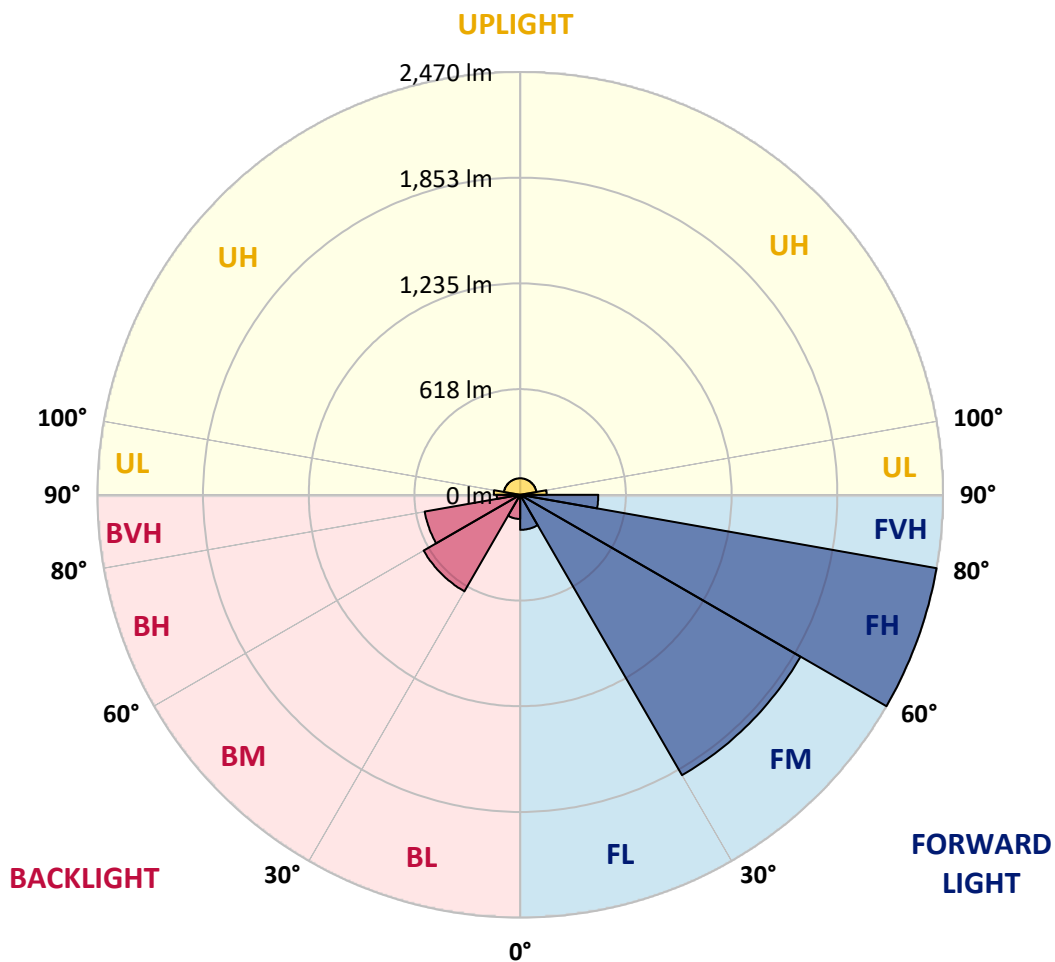
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.9	3.0			
FM (30°-60°)	1891.2	28.0			
FH (60°-80°)	2470.1	36.6			G2/5000
FVH (80°-90°)	456.4	6.8			G3/500
BL (0°-30°)	141.1	2.1	B1/500		
BM (30°-60°)	651.3	9.7	B1/1000		
BH (60°-80°)	566.4	8.4	B2/1000		G2/1000
BVH (80°-90°)	136.6	2.0			G2/225
UL (90°-100°)	154.6	2.3		U3/500	
UH (100°-180°)	96.4	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	206.7	205.9	206.7	206.7	205.9	205.1	202.5	201.0	198.6	196.8	196.1
5°	223.7	222.9	222.9	222.9	222.1	220.4	217.2	213.9	210.8	208.2	207.5
7.5°	248.0	245.7	245.7	244.7	243.1	240.7	236.6	233.4	230.2	226.1	224.5
10°	281.3	279.6	277.2	275.6	271.5	269.1	264.2	260.1	257.8	254.5	251.2
12.5°	320.9	323.4	321.8	315.2	310.4	306.4	299.9	297.4	295.0	290.9	288.6
15°	372.8	374.4	370.4	364.0	355.7	350.9	344.5	338.8	337.2	332.2	329.1
17.5°	432.0	435.2	428.8	419.0	408.5	397.1	392.2	386.6	384.1	379.2	376.1
20°	502.5	505.8	496.8	482.3	466.9	450.5	444.9	438.4	437.7	432.7	430.4
22.5°	585.2	587.6	573.8	552.8	530.9	509.8	500.9	494.4	495.2	491.1	490.3
25°	680.8	681.6	662.1	634.6	601.4	572.9	560.8	557.6	560.8	558.5	556.7
27.5°	788.6	787.8	769.9	727.0	676.8	637.8	623.3	624.1	631.3	632.9	632.9
30°	907.7	910.9	880.9	825.0	759.4	706.0	690.5	693.8	714.8	714.8	714.8
32.5°	1046.2	1045.5	1011.4	930.5	848.5	782.9	762.6	765.9	791.8	803.9	799.9
35°	1201.1	1199.4	1157.3	1053.6	945.7	864.8	837.2	852.6	888.3	902.1	898.7
37.5°	1367.3	1367.3	1317.7	1190.6	1051.9	954.0	923.9	940.9	991.2	1013.9	1001.7
40°	1537.4	1538.3	1479.9	1345.3	1172.7	1051.2	1017.1	1047.1	1117.6	1139.5	1131.4
42.5°	1707.6	1702.8	1648.5	1498.5	1302.4	1160.6	1119.3	1169.5	1255.4	1286.2	1274.8
45°	1879.5	1876.2	1826.7	1659.7	1444.2	1278.9	1235.9	1300.7	1412.6	1462.1	1450.8
47.5°	2045.6	2045.6	1999.3	1821.9	1598.3	1413.4	1374.5	1454.8	1596.6	1650.9	1653.3
50°	2202.0	2204.5	2164.8	1999.3	1755.5	1561.8	1527.7	1632.3	1817.0	1876.2	1880.3
52.5°	2347.9	2354.3	2328.5	2184.2	1931.2	1727.1	1702.8	1821.2	2037.4	2124.2	2134.7
55°	2477.6	2479.9	2476.7	2355.9	2112.0	1900.4	1892.4	2034.2	2300.0	2393.3	2393.3
57.5°	2568.3	2582.9	2612.9	2514.8	2300.0	2090.1	2088.5	2255.4	2540.8	2651.8	2645.2
60°	2609.6	2625.8	2702.1	2656.6	2474.2	2280.6	2297.6	2486.4	2796.8	2886.0	2880.3
62.5°	2583.8	2604.7	2728.8	2751.4	2612.9	2458.2	2490.6	2693.9	2976.8	3081.3	3018.1
65°	2463.8	2494.6	2668.0	2772.6	2704.5	2593.5	2655.0	2856.8	3100.0	3161.5	3066.0
66°	2398.1	2432.1	2628.3	2760.4	2722.3	2633.1	2706.2	2899.7	3123.5	3167.2	3056.2
67.5°	2288.8	2316.3	2540.8	2716.6	2730.4	2686.6	2766.9	2942.0	3116.9	3146.1	3003.5
70°	2033.5	2067.5	2315.4	2580.4	2689.1	2720.7	2809.0	2937.1	3037.6	2997.1	2807.4
72.5°	1723.0	1776.5	2022.9	2346.3	2558.7	2668.7	2765.3	2830.9	2826.9	2716.6	2490.6
75°	1372.1	1405.3	1666.3	2016.4	2313.9	2518.9	2615.3	2603.9	2502.7	2337.4	2083.7
77.5°	1024.5	1057.6	1289.5	1634.6	1975.1	2234.5	2322.0	2272.5	2084.4	1901.3	1655.8
80°	721.3	750.5	944.2	1266.8	1595.7	1863.2	1936.2	1865.7	1635.5	1453.9	1244.9
82.5°	492.0	504.9	667.0	946.6	1244.0	1471.8	1542.3	1451.5	1231.9	1059.3	896.4
85°	302.3	320.9	453.0	674.3	915.0	1090.1	1145.1	1073.8	885.0	747.3	617.6
87.5°	176.7	187.2	280.5	454.6	658.1	801.5	830.0	763.4	607.1	505.8	410.0
90°	94.8	102.9	161.2	283.6	446.6	554.4	575.5	513.8	397.1	322.6	262.6
92.5°	55.9	60.7	96.4	171.0	286.0	364.7	379.2	329.9	249.6	206.7	171.9
95°	36.5	39.7	63.3	107.0	175.9	231.0	238.3	204.2	158.0	136.1	119.1
97.5°	26.8	28.4	45.4	72.9	111.0	141.8	147.5	126.4	104.6	94.0	85.1
100°	21.1	22.7	34.9	53.5	74.6	91.6	93.2	82.7	72.1	66.4	63.3
102.5°	17.8	18.7	28.4	42.2	55.9	64.8	65.7	58.4	51.1	47.8	47.0
105°	15.4	16.2	24.4	34.9	44.6	50.3	50.3	43.8	37.2	34.9	35.6
107.5°	13.0	13.7	20.2	29.2	37.2	41.3	40.5	34.1	27.6	25.1	25.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	11.4	12.1	17.8	25.1	32.4	34.9	33.3	26.8	19.4	17.8	18.7
112.5°	10.5	10.5	15.4	21.9	27.6	29.2	26.8	20.2	13.7	13.0	13.7
115°	9.0	9.8	13.0	18.7	22.7	24.4	21.9	15.4	9.8	9.8	10.5
117.5°	8.0	9.0	11.4	15.4	19.4	20.2	17.8	12.1	7.3	7.3	8.0
120°	7.3	7.3	9.8	13.0	16.2	16.2	13.7	9.0	5.7	5.7	6.4
122.5°	6.4	7.3	8.0	10.5	13.0	13.0	10.5	6.4	4.9	4.9	5.7
125°	5.7	6.4	7.3	9.0	10.5	10.5	8.0	4.9	4.1	4.9	4.9
127.5°	5.7	5.7	6.4	7.3	9.0	8.0	6.4	3.3	4.1	4.1	4.9
130°	4.9	4.9	5.7	5.7	6.4	6.4	4.9	3.3	3.3	4.1	4.1
132.5°	4.1	4.1	4.9	4.9	5.7	4.9	3.3	2.4	3.3	3.3	4.1
135°	3.3	3.3	3.3	4.1	4.1	3.3	2.4	2.4	3.3	3.3	3.3
137.5°	3.3	2.4	3.3	3.3	2.4	1.6	1.6	1.6	2.4	3.3	3.3
140°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	2.4	2.4	3.3
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4	2.4
145°	0.0	0.0	0.8	0.8	0.0	0.0	0.8	0.8	1.6	1.6	2.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.9
2.5°	195.3	194.5	192.1	190.4	188.8	187.2	187.2	187.2	186.4	185.6	185.6
5°	205.9	204.2	201.0	197.8	193.7	190.4	188.8	188.0	186.4	184.7	184.7
7.5°	222.9	220.4	214.8	208.2	204.2	199.4	197.8	196.1	193.7	192.1	191.3
10°	248.8	244.7	235.9	227.7	219.6	213.2	210.8	209.1	207.5	207.5	207.5
12.5°	283.6	278.8	267.4	252.8	243.1	233.4	230.2	229.3	230.2	231.0	231.0
15°	324.2	316.1	301.4	282.0	268.2	257.8	254.5	254.5	256.1	256.9	256.9
17.5°	371.2	361.4	337.2	314.4	295.8	284.5	279.6	279.6	282.9	284.5	285.2
20°	420.6	410.0	382.5	346.1	322.6	309.6	304.0	304.8	308.7	312.8	313.7
22.5°	477.4	465.2	423.8	379.2	348.5	331.5	324.9	327.4	333.9	339.6	341.2
25°	542.2	526.7	472.5	414.9	372.0	349.3	344.5	349.3	359.0	366.3	367.1
27.5°	612.7	593.3	521.9	447.4	389.8	360.7	357.4	367.1	378.5	387.5	389.0
30°	691.3	667.0	573.8	475.8	403.6	369.6	366.3	379.2	393.2	403.6	405.3
32.5°	778.8	745.5	624.1	500.1	411.7	372.8	371.2	386.6	403.6	414.1	415.7
35°	873.6	830.0	677.5	519.5	414.9	372.0	371.2	389.0	406.9	417.4	418.3
37.5°	979.1	925.5	728.6	534.1	414.1	368.8	368.8	387.5	404.4	414.1	414.1
40°	1100.6	1029.2	784.5	543.8	410.0	363.1	364.0	380.9	397.1	403.6	404.4
42.5°	1239.2	1149.2	835.7	547.8	402.0	356.6	356.6	373.6	386.6	389.8	389.8
45°	1398.1	1282.9	891.4	547.1	393.9	349.3	350.0	364.7	374.4	375.2	374.4
47.5°	1588.5	1437.8	944.2	543.8	382.5	342.0	344.5	357.4	364.7	364.0	363.1
50°	1797.6	1604.7	996.0	536.6	372.8	337.2	340.4	352.6	359.0	356.6	355.0
52.5°	2023.7	1779.0	1042.3	525.2	362.3	333.1	338.8	350.9	356.6	352.6	352.6
55°	2258.0	1951.6	1078.7	508.2	353.4	330.6	339.6	350.9	357.4	353.4	353.4
57.5°	2470.3	2099.9	1095.8	488.7	346.1	329.9	341.2	355.0	360.7	357.4	357.4
60°	2637.2	2203.6	1084.4	466.0	338.8	329.1	344.5	359.8	366.3	362.3	362.3
62.5°	2737.0	2249.8	1043.9	441.7	333.1	329.9	349.3	367.1	372.0	367.1	365.5
65°	2732.8	2202.0	975.8	415.7	327.4	329.9	352.6	371.2	375.2	369.6	367.1
66°	2697.2	2160.7	940.9	406.0	325.8	329.1	353.4	371.2	376.1	369.6	367.1
67.5°	2629.9	2075.6	883.4	390.6	321.8	328.3	354.2	372.0	375.2	369.6	366.3
70°	2417.6	1886.7	775.6	364.7	314.4	324.2	351.7	369.6	372.0	367.1	364.0
72.5°	2099.9	1618.4	666.2	338.8	304.8	315.2	345.3	361.4	365.5	360.7	357.4
75°	1725.4	1313.0	556.7	313.7	290.2	302.3	332.2	348.5	353.4	349.3	345.3
77.5°	1341.2	1004.9	452.3	289.3	273.1	286.0	314.4	329.1	333.9	329.1	326.5
80°	995.3	743.2	363.1	263.5	253.7	265.8	292.6	305.5	310.4	304.8	303.0
82.5°	714.0	538.9	289.3	235.0	230.2	241.5	265.8	277.2	281.3	277.9	272.3
85°	477.4	371.2	228.6	204.2	205.1	215.6	235.9	243.1	248.0	244.7	240.0
87.5°	323.4	254.5	180.8	173.4	175.9	183.1	201.8	207.5	210.8	206.7	205.9
90°	210.8	175.9	143.4	146.7	149.9	155.5	166.9	169.4	173.4	169.4	168.6
92.5°	143.4	128.8	116.7	122.4	126.4	130.4	137.0	138.5	141.8	138.5	137.0
95°	105.3	99.7	94.8	102.1	106.2	108.6	112.6	111.9	114.2	111.0	109.4
97.5°	80.2	77.0	77.8	84.2	88.4	89.9	91.6	89.9	90.8	87.5	85.9
100°	62.4	60.7	63.3	69.7	72.9	72.9	73.8	72.1	70.5	67.3	64.8
102.5°	47.8	47.8	51.1	57.6	60.0	60.0	59.1	56.7	54.3	51.1	51.1
105°	36.5	37.2	42.2	47.8	49.3	48.6	48.6	45.4	42.2	38.1	38.1
107.5°	27.6	28.4	33.3	38.9	40.5	40.5	38.9	35.6	31.5	28.4	28.4



REPORT NUMBER: P255170

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.2	21.9	26.8	31.5	33.3	32.4	31.5	27.6	23.5	21.1	20.2
112.5°	15.4	16.2	21.1	25.1	26.8	26.8	25.1	21.1	17.1	15.4	15.4
115°	11.4	13.0	16.2	20.2	21.1	21.1	19.4	16.2	12.1	10.5	11.4
117.5°	9.0	9.8	13.0	16.2	16.2	16.2	14.6	11.4	9.0	8.0	8.0
120°	7.3	8.0	9.8	12.1	12.1	12.1	10.5	8.0	6.4	5.7	6.4
122.5°	5.7	6.4	7.3	9.0	9.0	9.0	8.0	5.7	4.1	4.1	4.9
125°	5.7	5.7	5.7	6.4	6.4	6.4	5.7	4.1	3.3	3.3	3.3
127.5°	4.9	4.9	4.9	4.9	4.9	4.1	3.3	2.4	1.6	2.4	2.4
130°	4.9	4.9	4.1	4.1	3.3	2.4	1.6	0.8	0.8	1.6	1.6
132.5°	4.1	4.1	4.1	3.3	2.4	1.6	0.8	0.0	0.0	0.8	0.8
135°	4.1	4.1	3.3	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.4	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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

(END OF REPORT)