

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: P254630

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
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-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6828.7 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - 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

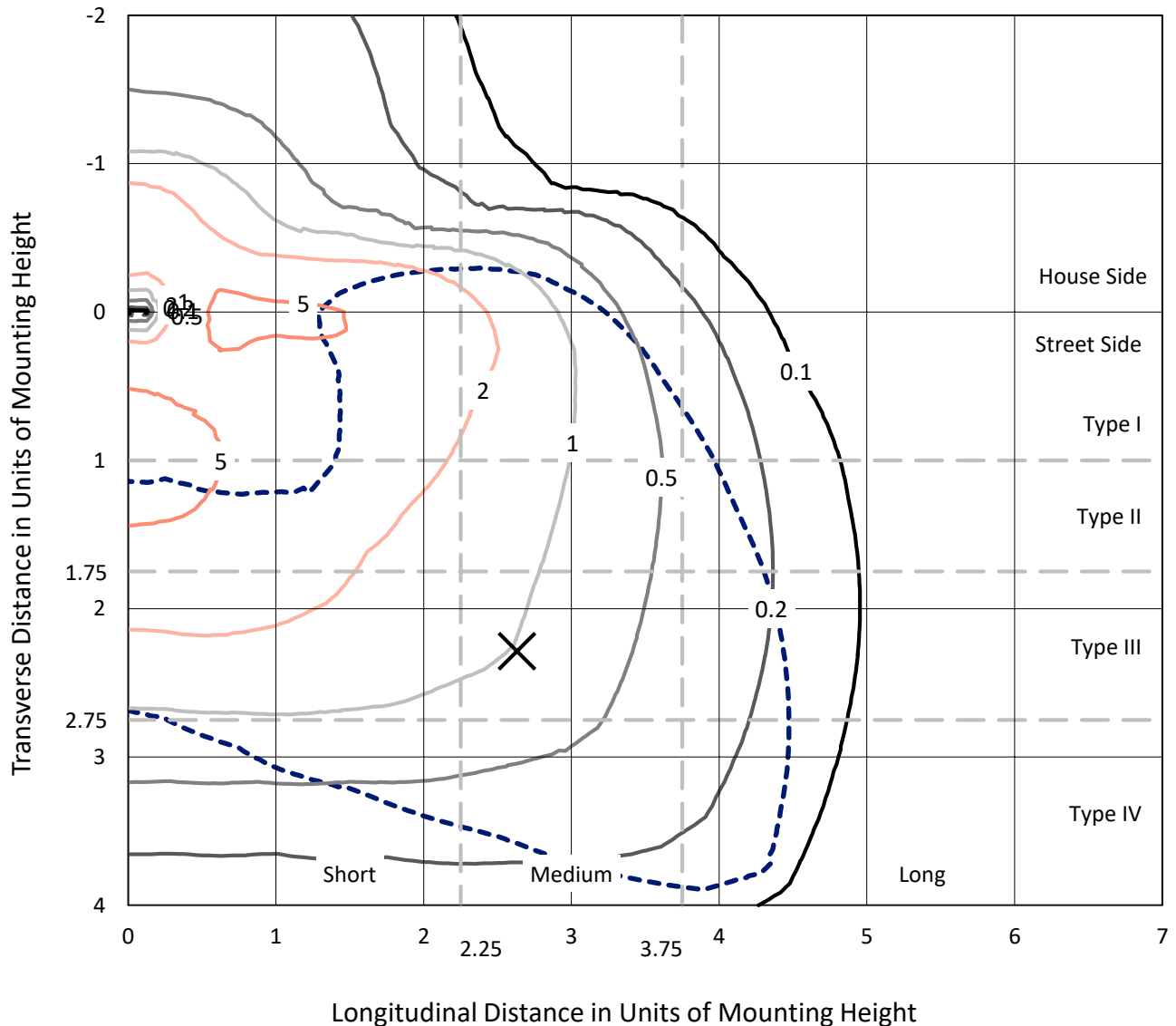


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Iso-Footcandle Lines of Horizontal Illumination

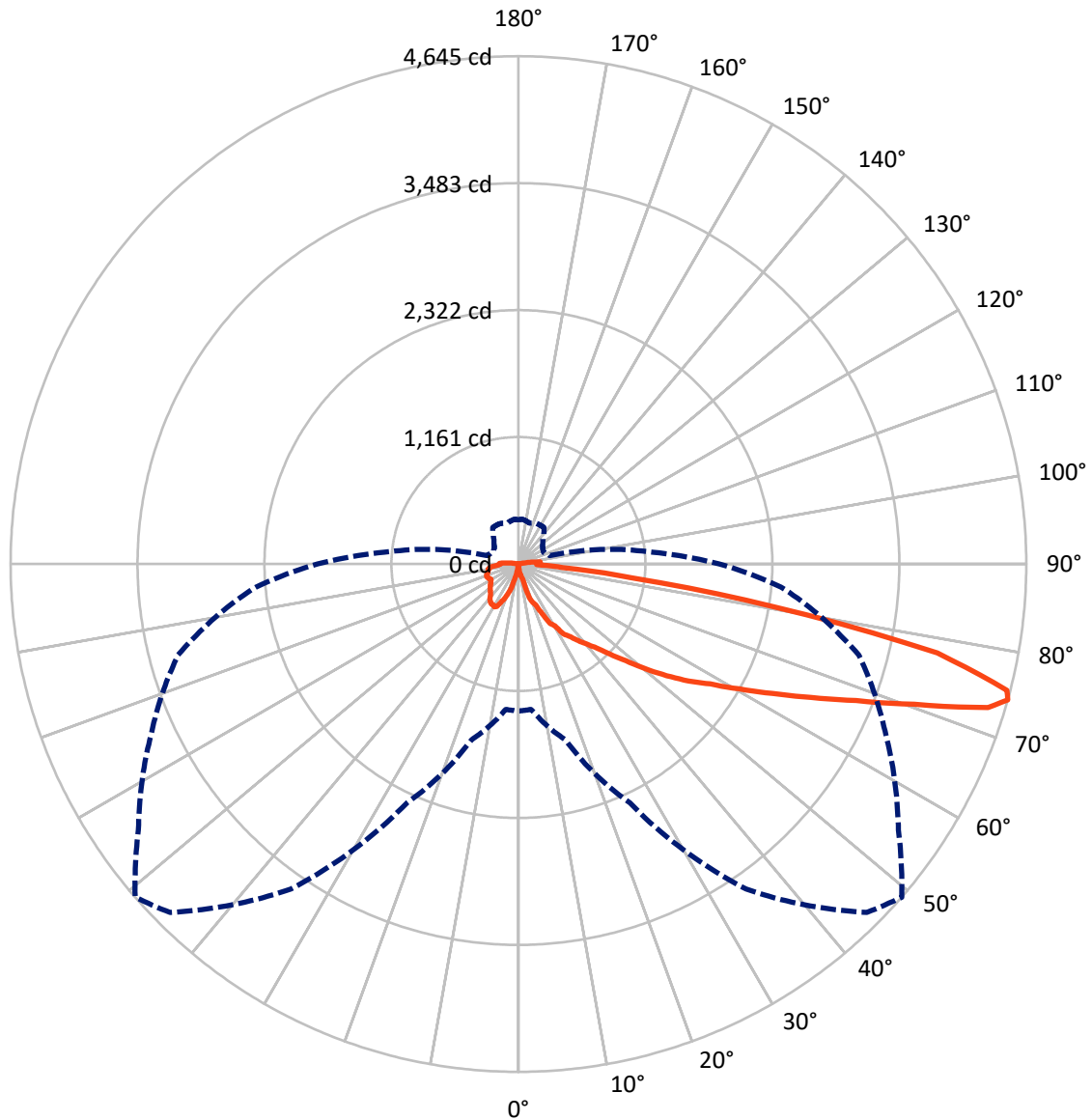
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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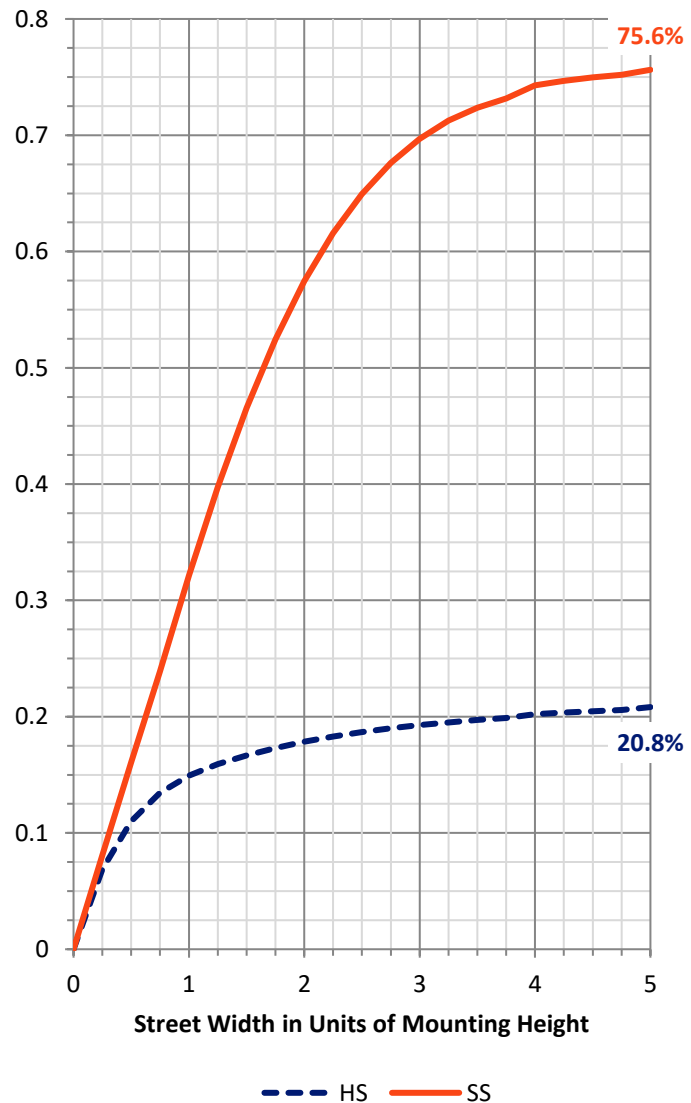
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1506.0	64.7	1570.7
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	5203.8	54.2	5258.0
	% Fixture	76.2	0.8	77.0
Total	Lumens	6709.8	118.9	6828.7
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	61.4	0.9
20°-30°	233.0	3.4
30°-40°	495.3	7.3
40°-50°	814.2	11.9
50°-60°	1313.1	19.2
60°-70°	1897.3	27.8
70°-80°	1557.6	22.8
80°-90°	334.1	4.9
90°-100°	107.6	1.6
100°-110°	8.5	0.1
110°-120°	1.2	0.0
120°-130°	0.8	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6709.8	98.3
0°-180°	6828.7	100.0



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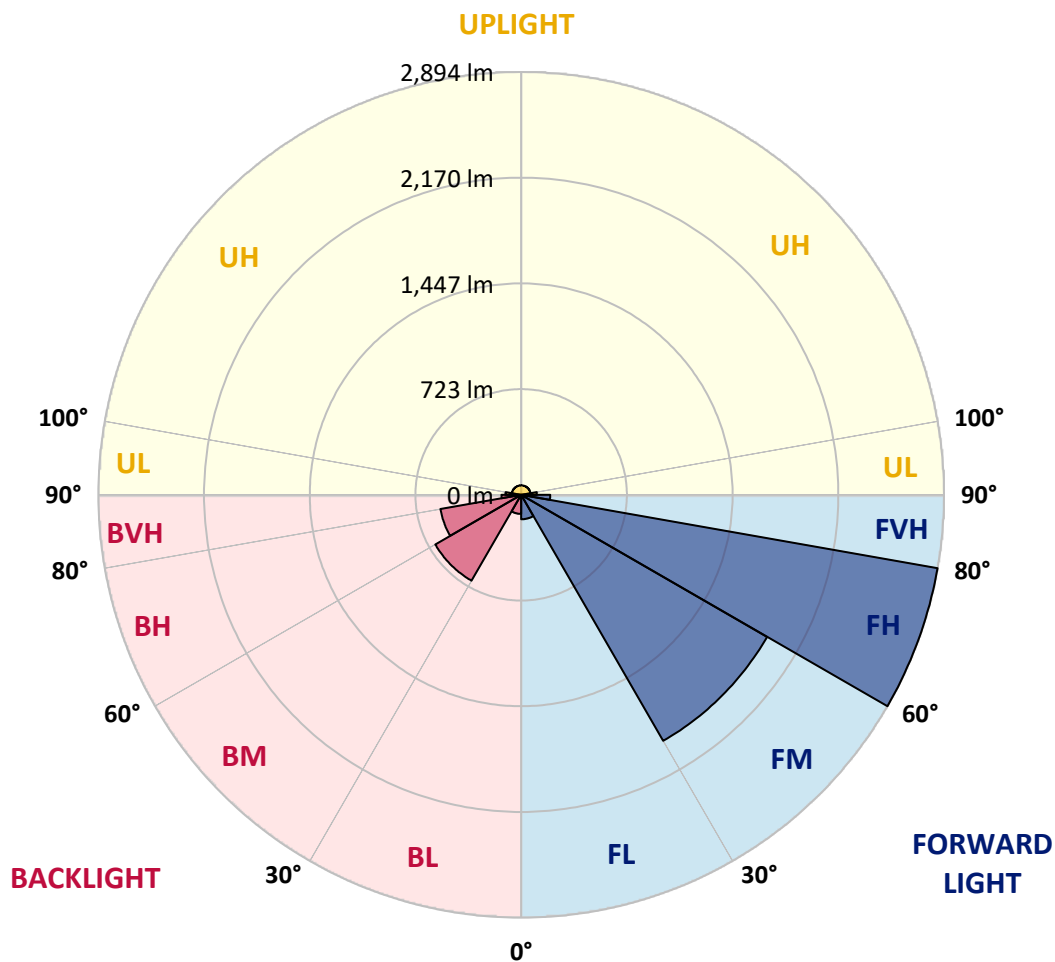
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.3	2.5			
FM (30°-60°)	1943.9	28.5			
FH (60°-80°)	2893.7	42.4			G2/5000
FVH (80°-90°)	198.8	2.9			G2/225
BL (0°-30°)	130.9	1.9	B1/500		
BM (30°-60°)	678.7	9.9	B1/1000		
BH (60°-80°)	561.2	8.2	B2/1000		G2/1000
BVH (80°-90°)	135.2	2.0			G2/225
UL (90°-100°)	107.6	1.6		U3/500	
UH (100°-180°)	64.7	0.9		U3/500	

BUG Rating: B2-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	5.7	4.9	4.1	3.3	3.3	2.4	2.4	2.4	3.3	3.3	3.3
5°	90.8	89.9	81.8	77.8	31.5	19.4	17.1	10.5	4.1	3.3	3.3
7.5°	107.8	106.2	103.7	108.6	101.3	88.4	81.1	47.0	13.0	4.1	3.3
10°	142.6	141.1	128.8	125.6	114.2	104.6	98.9	92.5	38.9	8.0	5.7
12.5°	269.9	260.9	253.7	214.8	145.1	117.6	116.7	109.4	91.6	82.7	100.5
15°	304.8	296.6	284.5	282.0	257.8	155.5	142.6	196.8	233.4	175.1	179.0
17.5°	345.3	349.3	333.1	299.1	277.9	297.4	327.4	289.3	256.1	213.2	216.4
20°	486.2	483.0	470.1	431.1	352.6	383.3	372.8	366.3	299.1	393.9	382.5
22.5°	504.9	504.1	497.5	474.0	506.5	408.4	405.3	451.5	444.9	453.0	436.8
25°	662.1	668.5	647.6	508.2	533.3	521.9	503.2	548.7	497.5	501.6	559.2
27.5°	693.7	690.5	679.1	650.7	564.1	618.4	613.5	582.0	645.9	680.8	684.8
30°	872.9	850.1	734.2	707.5	680.8	647.6	656.4	692.9	721.3	711.6	751.2
32.5°	959.6	953.9	935.3	830.0	736.6	717.2	764.3	777.2	761.0	901.2	970.1
35°	1248.9	1222.9	1073.8	919.9	821.0	810.3	815.3	814.5	925.5	950.7	1045.5
37.5°	1611.1	1577.0	1459.6	1128.1	896.4	848.5	889.1	930.4	968.5	1041.4	1114.3
40°	1823.4	1805.6	1711.6	1394.7	1045.5	923.1	962.8	983.0	1033.3	1093.2	1215.6
42.5°	1986.4	1984.7	1925.5	1582.7	1248.9	1041.4	1048.7	1051.1	1088.4	1185.7	1330.8
45°	2097.3	2095.8	2106.3	1759.4	1443.5	1175.9	1176.7	1147.5	1174.3	1300.7	1490.4
47.5°	2235.1	2210.9	2235.1	1946.7	1611.9	1335.5	1321.1	1252.8	1308.8	1460.4	1712.4
50°	2372.9	2350.2	2360.0	2093.3	1778.8	1530.0	1504.2	1413.4	1490.4	1661.4	1987.2
52.5°	2552.9	2523.7	2479.9	2248.1	2005.0	1732.8	1696.2	1622.5	1693.8	1914.2	2334.0
55°	2684.9	2663.8	2649.3	2467.7	2164.7	1912.6	1887.5	1804.0	1996.9	2197.1	2704.3
57.5°	2787.9	2796.0	2840.5	2736.8	2464.6	2110.4	2069.8	2035.0	2283.0	2531.7	3101.6
60°	2896.5	2881.0	2990.5	2987.2	2718.2	2308.8	2317.1	2312.2	2574.7	2851.1	3562.6
62.5°	2890.0	2902.2	3099.0	3164.7	2936.3	2573.9	2605.5	2596.6	2873.7	3168.7	3904.6
65°	2628.2	2663.8	3092.6	3242.5	3206.1	2887.6	2940.2	2932.9	3219.9	3439.5	4121.0
67.5°	2456.3	2501.8	2906.2	3305.7	3462.2	3289.6	3331.7	3305.0	3467.1	3590.2	4121.8
70°	2276.5	2308.1	2667.9	3330.9	3738.6	3813.9	3840.6	3675.3	3672.9	3676.1	3783.8
72.5°	1852.6	1856.7	2182.5	2945.1	3858.5	4382.0	4489.8	4126.7	3779.9	3514.9	3039.9
74°	1344.6	1333.9	1666.2	2409.3	3628.3	4506.0	4644.6	4241.8	3708.5	3223.0	2409.3
75°	970.1	997.6	1244.0	1949.0	3274.2	4472.0	4613.8	4218.3	3561.0	2927.3	1959.6
77.5°	308.7	319.2	405.3	821.0	2005.0	3664.8	3916.0	3544.8	2711.7	1849.4	1013.1
80°	165.3	172.6	216.4	322.6	841.2	2127.4	2371.4	2059.3	1505.8	929.6	554.4
82.5°	98.9	103.7	141.8	194.5	436.1	883.4	1045.5	856.6	733.4	535.0	387.5
85°	64.0	65.7	82.7	119.9	282.9	347.7	407.6	419.8	418.1	375.2	311.2
87.5°	35.6	36.5	38.9	51.1	129.7	182.4	166.2	203.4	243.1	241.5	275.6
90°	25.1	25.1	21.1	22.7	71.3	183.1	166.9	179.0	161.2	189.7	284.5
92.5°	23.5	24.4	19.4	20.2	56.7	180.0	201.0	200.2	165.3	198.6	286.0
95°	19.4	21.1	15.4	17.1	35.6	153.9	199.4	198.6	145.9	157.3	203.4
97.5°	15.4	16.2	10.5	13.0	21.1	78.5	119.9	114.2	77.0	66.4	79.4
100°	9.8	10.5	5.7	9.0	13.0	25.9	42.9	45.4	35.6	16.2	9.8
102.5°	9.8	10.5	4.1	5.7	5.7	7.3	9.8	8.0	11.4	5.7	8.0
105°	9.8	10.5	3.3	2.4	1.6	2.4	1.6	2.4	4.1	4.9	9.8
107.5°	7.3	8.0	1.6	1.6	0.8	1.6	1.6	1.6	2.4	4.1	9.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	4.9	4.9	0.8	0.8	0.0	1.6	1.6	1.6	2.4	3.3	4.9
112.5°	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	2.4	2.4	3.3
115°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	4.1
117.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.1
120°	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.1
122.5°	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.1
125°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.1
127.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.3
130°	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.3
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
142.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6
145°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4
147.5°	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4
150°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	1.6	1.6	0.8	0.8	1.6	2.4	4.1	5.7	5.7
7.5°	3.3	2.4	2.4	2.4	2.4	11.4	41.3	72.1	90.8	97.2	95.6
10°	5.7	4.9	4.9	4.9	24.4	79.4	106.2	108.6	116.7	118.3	117.6
12.5°	121.6	103.7	64.8	30.8	85.1	111.0	116.0	124.0	129.7	170.2	178.3
15°	180.0	177.4	172.6	182.4	197.8	127.3	156.5	209.1	236.6	247.2	250.4
17.5°	215.6	212.3	198.6	230.2	243.9	241.5	233.4	250.4	254.5	264.2	263.5
20°	391.4	383.3	342.0	271.5	255.3	320.9	263.5	264.2	328.3	366.3	363.1
22.5°	432.0	427.9	405.3	398.7	343.6	339.6	352.6	361.4	389.8	403.6	402.0
25°	560.8	555.9	450.5	413.3	419.0	359.8	420.6	393.0	405.3	441.7	436.8
27.5°	695.3	684.0	601.4	504.1	419.8	447.3	423.8	463.6	504.9	526.7	529.3
30°	760.2	739.9	643.4	530.0	460.3	442.5	445.8	505.8	513.0	531.6	535.7
32.5°	1004.1	987.0	820.1	544.6	461.2	423.1	468.4	494.4	572.2	612.7	615.9
35°	1073.0	1058.4	827.4	611.1	444.9	438.4	443.3	514.6	554.4	583.6	588.4
37.5°	1147.5	1122.4	841.2	573.8	457.9	408.4	428.8	467.6	536.5	586.7	599.8
40°	1252.8	1207.6	833.1	535.0	425.4	398.7	397.1	443.3	473.3	497.5	501.6
42.5°	1387.5	1309.7	838.0	498.4	396.3	371.2	377.7	398.7	409.2	411.0	411.0
45°	1552.8	1436.9	859.1	468.4	372.0	358.3	360.7	366.3	367.9	348.5	346.1
47.5°	1775.7	1600.6	877.0	444.9	354.1	349.3	342.0	345.3	338.8	312.8	309.5
50°	2039.9	1795.9	892.3	417.4	337.9	337.2	335.5	323.4	312.1	287.7	284.5
52.5°	2322.8	2026.9	900.4	387.5	324.9	327.4	329.0	308.7	292.6	273.9	272.3
55°	2692.2	2296.0	919.9	359.8	309.5	314.4	323.4	303.0	287.7	275.6	282.9
57.5°	3057.0	2594.2	903.6	334.7	298.3	302.3	316.1	308.0	300.7	300.7	302.3
60°	3410.3	2852.8	803.2	314.4	287.7	292.6	321.8	336.3	335.5	350.9	355.0
62.5°	3647.7	2987.2	654.8	296.6	278.8	297.4	348.5	382.5	376.8	383.3	386.6
65°	3744.2	2979.2	499.2	283.6	273.1	318.5	379.2	412.6	391.4	376.8	373.5
67.5°	3642.0	2800.0	405.3	273.1	273.1	337.9	405.3	414.1	391.4	392.2	386.6
70°	3227.9	2382.6	348.5	262.6	277.2	334.7	418.1	411.7	392.2	406.0	397.9
72.5°	2422.4	1697.9	312.8	255.3	275.6	321.8	411.0	411.0	394.7	421.4	413.3
74°	1837.2	1230.3	297.4	252.8	267.4	315.2	408.4	406.9	388.2	411.7	403.6
75°	1447.4	940.0	287.7	249.6	262.6	311.2	404.4	402.7	384.9	410.0	403.6
77.5°	739.9	491.1	265.1	243.9	250.4	305.5	393.9	394.7	372.0	395.5	390.6
80°	471.7	372.0	235.8	225.3	241.5	306.4	387.5	383.3	357.4	383.3	372.0
82.5°	376.1	307.1	191.3	195.3	230.2	301.4	383.3	364.7	338.8	377.7	338.8
85°	301.4	258.5	132.1	144.2	204.2	277.2	365.5	326.5	299.8	305.5	300.7
87.5°	254.5	209.1	62.4	94.0	159.6	212.3	271.5	252.8	232.6	242.3	231.7
90°	257.8	201.0	44.6	72.1	144.2	176.7	216.4	189.7	178.3	181.6	175.1
92.5°	250.4	192.1	45.4	60.0	141.1	193.7	228.6	193.7	171.0	164.6	158.9
95°	169.4	132.9	42.2	47.0	89.9	152.3	184.7	146.7	119.1	105.3	101.3
97.5°	64.8	58.4	36.5	38.9	47.0	81.1	107.0	94.0	64.0	46.2	43.8
100°	9.8	16.2	29.9	36.5	27.6	30.8	44.6	50.3	32.4	3.3	2.4
102.5°	10.5	9.0	12.1	27.6	16.2	6.4	13.7	27.6	17.8	1.6	1.6
105°	12.1	9.8	4.9	12.1	4.1	0.8	0.8	5.7	4.1	0.8	1.6
107.5°	10.5	9.0	3.3	2.4	0.8	0.8	0.0	0.0	0.0	0.8	1.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.7	5.7	3.3	1.6	0.8	0.8	0.0	0.0	0.0	1.6	1.6
112.5°	4.1	4.1	2.4	1.6	0.8	0.0	0.0	0.0	0.0	1.6	2.4
115°	4.9	4.1	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.4	2.4
117.5°	4.9	4.9	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.4	3.3
120°	4.9	4.9	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.4	2.4
122.5°	4.9	4.1	2.4	0.8	0.0	0.0	0.0	0.0	0.0	1.6	2.4
125°	4.1	4.1	2.4	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.6
127.5°	4.1	4.1	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6
130°	3.3	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
132.5°	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	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	0.0	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

(END OF REPORT)