

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: P255280

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255280
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-AF24-90-D-U-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8031.6 lumens
Efficiency: N/A
Efficacy: 85.4 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): 94
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

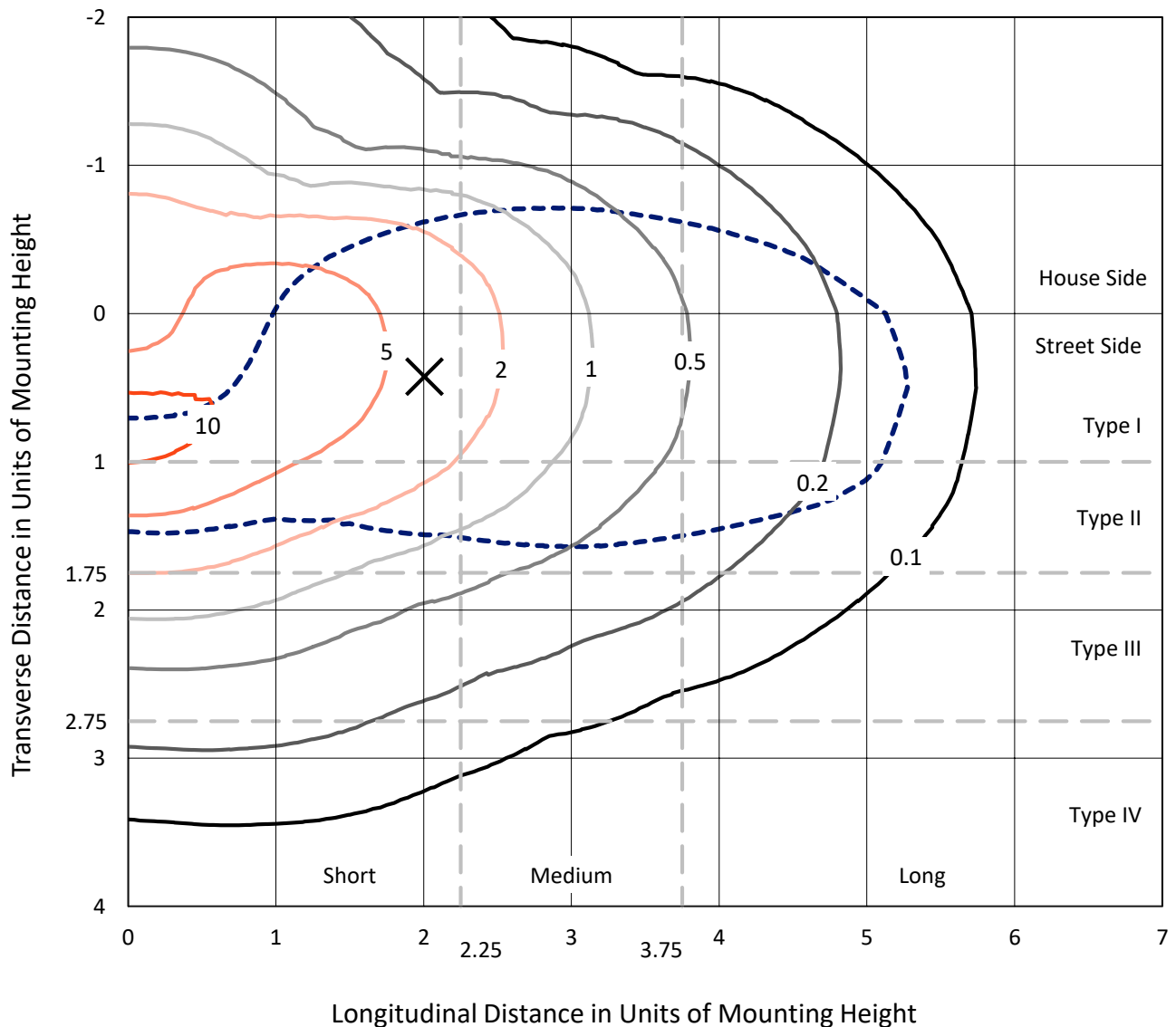


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

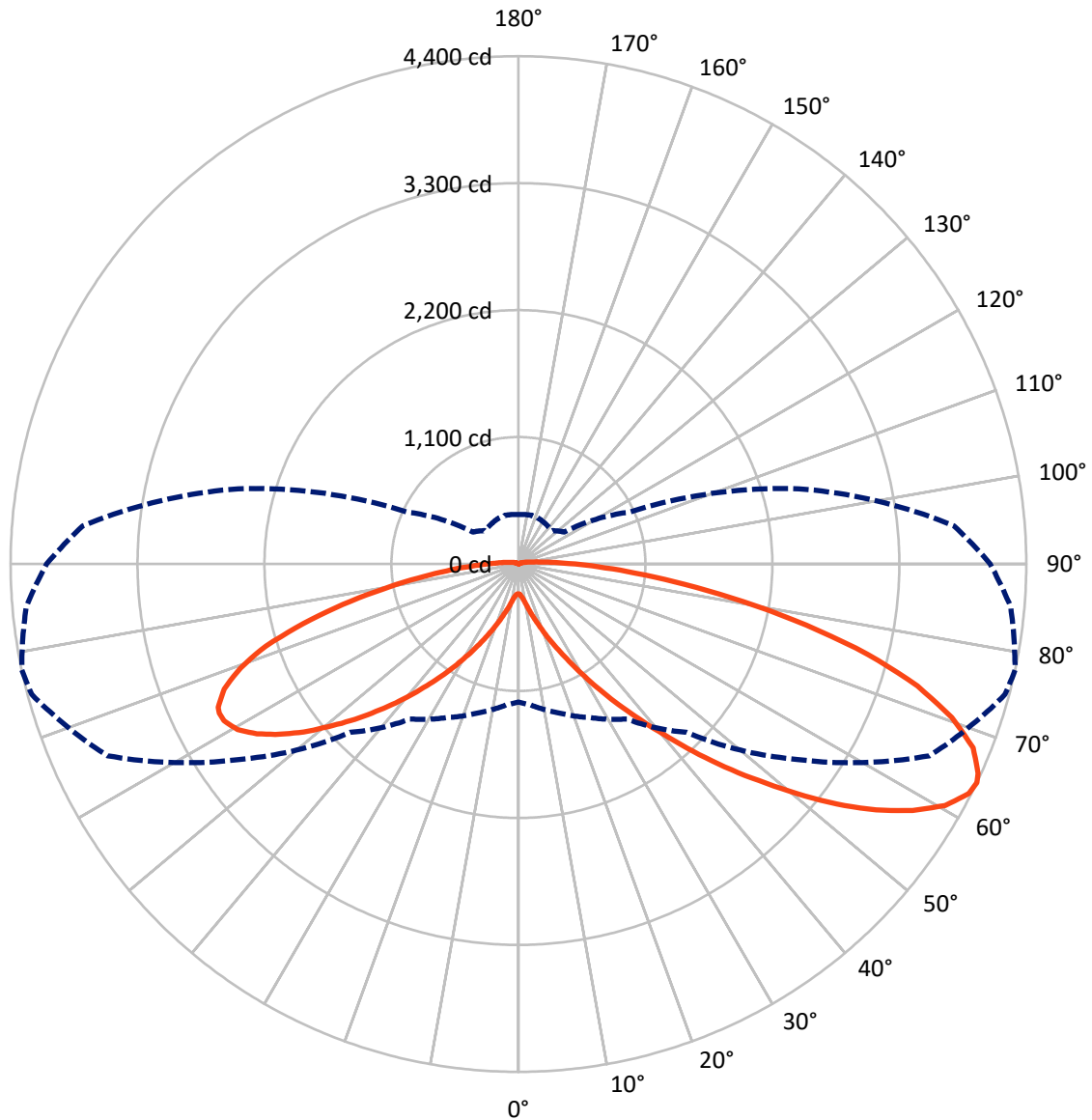


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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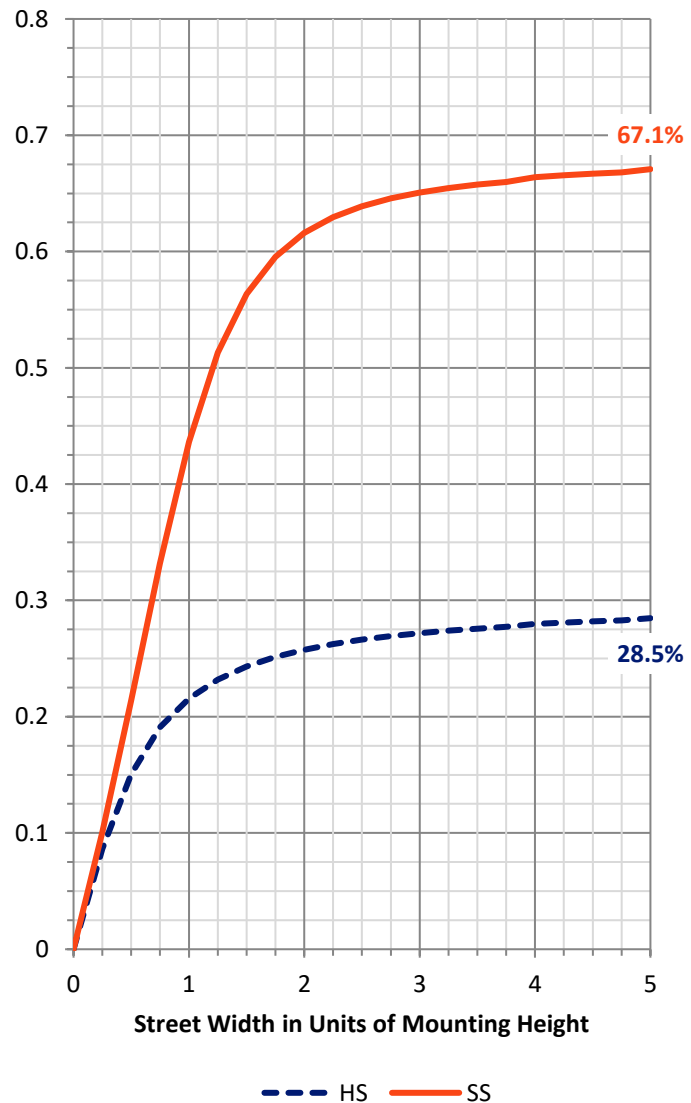
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2358.3	108.6	2466.8
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	5461.8	102.9	5564.8
	% Fixture	68.0	1.3	69.3
Total	Lumens	7820.1	211.5	8031.6
	% Fixture	97.4	2.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.4
10°-20°	130.2	1.6
20°-30°	363.0	4.5
30°-40°	788.6	9.8
40°-50°	1362.0	17.0
50°-60°	1803.2	22.5
60°-70°	1759.2	21.9
70°-80°	1143.4	14.2
80°-90°	442.5	5.5
90°-100°	127.7	1.6
100°-110°	48.6	0.6
110°-120°	21.1	0.3
120°-130°	9.2	0.1
130°-140°	3.8	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7820.1	97.4
0°-180°	8031.6	100.0



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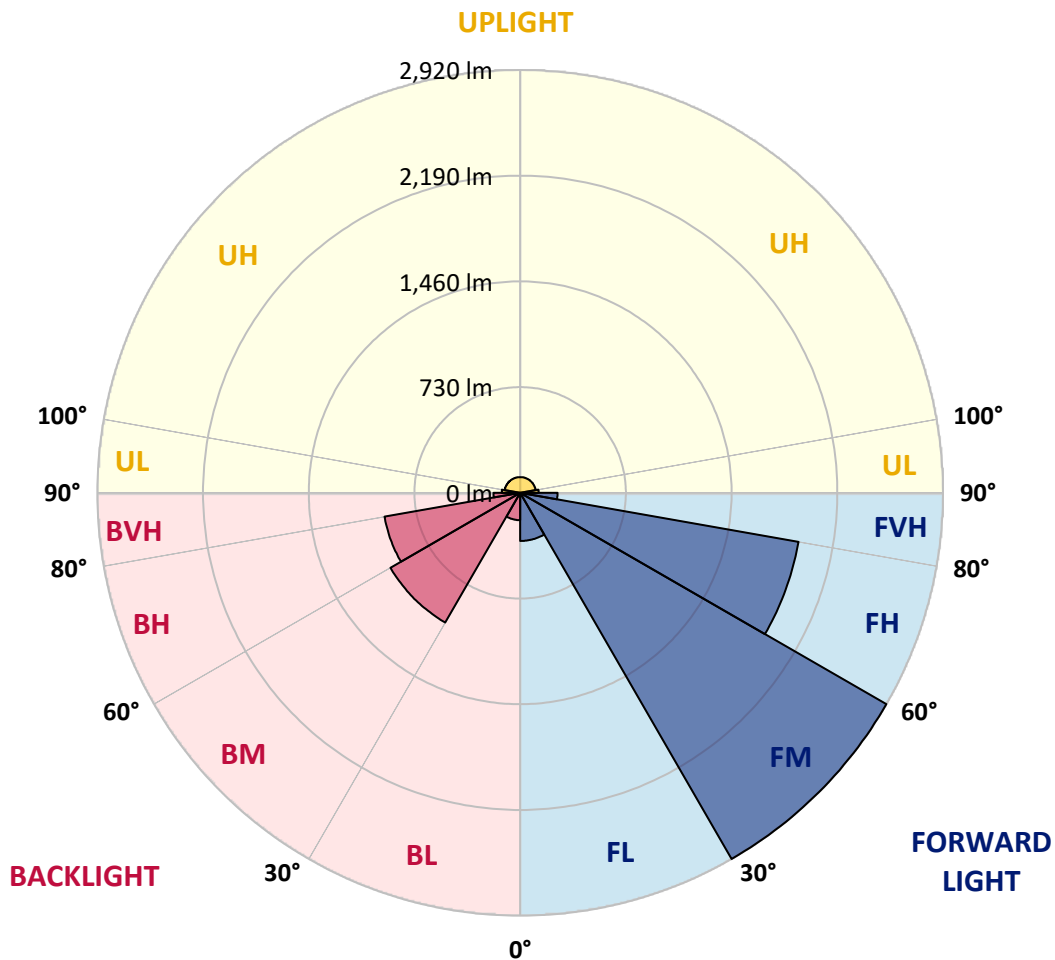
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	332.5	4.1			
FM (30°-60°)	2919.7	36.4			
FH (60°-80°)	1951.6	24.3			G2/5000
FVH (80°-90°)	258.0	3.2			G3/500
BL (0°-30°)	188.9	2.4	B1/500		
BM (30°-60°)	1034.0	12.9	B2/2500		
BH (60°-80°)	950.9	11.8	B2/1000		G2/1000
BVH (80°-90°)	184.5	2.3			G2/225
UL (90°-100°)	127.7	1.6		U3/500	
UH (100°-180°)	108.6	1.4		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°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
2.5°	279.8	278.9	278.9	279.8	277.0	276.0	273.1	269.4	266.5	265.5	262.7
5°	310.4	308.5	306.6	307.6	304.8	299.9	295.1	289.4	284.6	282.8	277.9
7.5°	346.7	348.6	344.8	342.8	339.0	334.4	325.7	319.0	312.4	309.4	304.8
10°	404.0	405.1	398.2	399.3	387.8	382.1	373.4	361.9	354.3	349.6	342.8
12.5°	482.4	481.4	473.7	470.9	456.6	446.0	432.6	419.3	411.7	405.9	394.4
15°	577.9	575.9	571.2	559.7	537.8	524.3	508.2	488.1	477.6	470.0	457.5
17.5°	690.5	691.5	682.0	666.7	637.1	618.0	594.1	567.4	552.1	541.6	528.2
20°	830.9	831.9	814.7	792.7	754.6	727.7	687.7	662.8	638.9	633.2	612.3
22.5°	998.1	997.2	971.5	942.7	891.1	851.0	807.1	767.0	739.2	731.6	708.8
25°	1188.2	1186.3	1154.8	1124.2	1046.8	994.3	937.0	887.3	859.7	844.3	818.6
27.5°	1411.7	1408.0	1365.8	1321.9	1223.4	1146.1	1076.4	1029.7	995.3	975.2	946.5
30°	1652.4	1648.6	1597.9	1526.4	1420.3	1331.5	1239.8	1185.4	1146.1	1130.9	1091.7
32.5°	1912.1	1904.5	1845.3	1758.4	1633.3	1520.6	1427.9	1365.8	1318.1	1302.8	1252.2
35°	2175.8	2165.3	2102.2	2001.0	1856.8	1733.6	1639.0	1574.1	1514.9	1494.7	1433.7
37.5°	2429.0	2414.6	2364.9	2237.0	2090.7	1976.2	1870.2	1789.0	1724.0	1705.9	1625.7
40°	2629.6	2620.9	2575.0	2451.9	2312.4	2196.7	2115.6	2050.7	1968.6	1940.9	1854.9
42.5°	2782.3	2773.8	2738.4	2636.2	2512.0	2432.7	2364.9	2318.2	2247.5	2217.9	2096.5
45°	2861.6	2849.2	2833.8	2760.3	2675.3	2636.2	2627.5	2610.4	2541.6	2507.3	2365.9
47.5°	2843.5	2837.7	2852.0	2807.2	2773.8	2808.1	2881.6	2916.0	2836.8	2805.2	2656.2
50°	2728.9	2736.5	2772.8	2768.9	2801.4	2918.0	3103.3	3216.9	3167.2	3125.3	2962.9
52.5°	2536.9	2547.4	2612.3	2647.7	2741.2	2961.9	3275.1	3500.5	3505.4	3456.6	3273.3
55°	2284.7	2307.7	2386.9	2455.7	2606.6	2911.2	3376.4	3739.4	3811.0	3761.4	3566.4
57.5°	1985.8	2019.1	2106.1	2219.7	2395.5	2772.8	3396.5	3917.9	4069.8	4028.8	3842.5
60°	1674.4	1698.2	1806.2	1934.1	2109.9	2560.7	3313.4	4011.6	4273.2	4247.5	4095.6
62.5°	1368.7	1395.5	1506.2	1646.6	1818.6	2259.8	3115.6	4004.9	4367.8	4380.3	4245.6
64°	1195.9	1225.5	1334.4	1467.2	1639.0	2064.0	2951.4	3930.4	4365.9	4400.3	4281.9
65°	1087.9	1117.5	1224.5	1356.4	1524.3	1928.4	2828.1	3858.7	4347.8	4376.5	4282.9
67.5°	850.0	874.0	975.2	1110.8	1245.5	1589.4	2437.5	3576.0	4200.7	4248.4	4194.0
70°	653.3	676.2	768.8	894.0	1006.8	1292.3	2013.4	3162.5	3917.1	3983.9	3958.1
72.5°	502.4	521.5	603.6	712.5	804.2	1022.0	1608.4	2673.5	3506.3	3615.2	3620.0
75°	387.8	403.0	470.9	565.4	638.1	794.7	1253.1	2147.2	2982.9	3127.1	3160.6
77.5°	302.7	312.4	366.8	444.1	503.3	607.5	942.7	1652.4	2407.0	2550.2	2609.4
80°	237.8	245.5	287.5	348.6	395.4	456.6	690.5	1222.6	1845.3	1975.2	2031.5
82.5°	184.3	190.9	224.4	274.1	310.4	350.5	493.9	871.2	1342.9	1449.9	1495.8
85°	140.4	145.2	173.8	211.1	240.7	269.4	344.8	595.0	935.0	1016.2	1047.8
87.5°	104.2	107.9	131.7	162.4	184.3	206.3	251.2	393.6	628.5	686.7	709.6
90°	75.5	78.3	97.5	123.3	142.4	158.5	182.5	260.8	404.0	443.1	460.4
92.5°	53.5	56.4	71.7	92.7	110.8	124.1	140.4	181.5	258.8	279.8	293.3
95°	39.2	41.1	52.6	69.7	86.0	98.4	111.8	131.7	171.0	182.5	187.2
97.5°	29.6	30.6	40.1	53.5	67.8	78.3	87.9	100.3	120.3	126.0	128.9
100°	23.0	23.9	31.4	42.9	54.4	64.0	70.7	78.3	88.8	92.7	94.5
102.5°	19.1	20.1	25.7	35.3	44.9	52.6	58.2	63.1	67.8	69.7	72.5
105°	17.2	17.2	23.0	30.6	38.2	44.9	49.7	51.6	52.6	53.5	54.4
107.5°	14.3	15.3	20.1	26.8	33.5	39.2	42.1	42.1	40.1	40.1	41.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	13.3	13.3	17.2	23.0	29.6	33.5	35.3	33.5	29.6	29.6	30.6
112.5°	11.5	12.4	15.3	20.1	25.7	29.6	29.6	26.8	22.0	22.0	23.0
115°	10.5	10.5	13.3	18.1	22.0	24.8	24.8	22.0	16.3	16.3	17.2
117.5°	9.5	9.5	11.5	15.3	19.1	22.0	21.0	17.2	12.4	12.4	14.3
120°	9.5	9.5	10.5	13.3	16.3	18.1	17.2	13.3	9.5	9.5	11.5
122.5°	8.6	8.6	9.5	11.5	14.3	15.3	14.3	10.5	7.6	8.6	9.5
125°	8.6	8.6	8.6	10.5	12.4	13.3	12.4	8.6	6.7	6.7	7.6
127.5°	7.6	7.6	7.6	8.6	10.5	11.5	9.5	6.7	5.7	5.7	6.7
130°	7.6	7.6	6.7	7.6	9.5	9.5	7.6	4.8	3.9	4.8	5.7
132.5°	6.7	6.7	6.7	6.7	7.6	7.6	6.7	3.9	3.9	3.9	4.8
135°	6.7	6.7	5.7	5.7	6.7	6.7	4.8	2.8	2.8	2.8	3.9
137.5°	5.7	5.7	5.7	4.8	4.8	4.8	3.9	1.8	1.8	2.8	2.8
140°	4.8	4.8	4.8	3.9	3.9	2.8	1.8	1.0	1.8	1.8	2.8
142.5°	3.9	3.9	3.9	2.8	2.8	1.8	1.0	1.0	1.0	1.8	1.8
145°	2.8	2.8	2.8	1.8	1.8	1.0	1.0	1.0	1.0	1.0	1.8
147.5°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
2.5°	261.6	260.8	257.9	256.0	254.0	252.2	252.2	250.2	249.3	248.3	248.3
5°	277.0	273.1	268.3	264.6	259.8	255.0	251.2	248.3	246.4	245.5	244.5
7.5°	299.9	295.1	286.6	279.8	271.3	264.6	258.8	253.2	251.2	249.3	249.3
10°	338.1	329.5	317.1	304.8	293.3	281.8	275.2	267.4	265.5	263.7	263.7
12.5°	388.8	380.1	360.1	342.8	324.7	309.4	299.0	292.3	290.4	287.5	288.5
15°	448.9	433.6	411.7	386.8	364.0	342.8	330.5	320.0	315.2	312.4	313.2
17.5°	516.7	499.6	468.0	435.5	405.9	383.1	361.9	346.7	339.0	336.2	336.2
20°	595.0	575.9	535.8	491.8	453.7	421.2	394.4	371.6	361.9	358.2	358.2
22.5°	687.7	663.9	608.5	552.1	504.3	456.6	421.2	393.6	382.1	378.2	378.2
25°	794.7	763.1	692.4	622.8	551.1	487.1	442.3	412.7	399.3	394.4	394.4
27.5°	906.5	876.8	785.1	696.3	597.8	512.0	458.5	426.0	410.7	407.9	406.9
30°	1047.8	1005.7	887.3	766.0	638.1	529.2	465.1	433.6	418.4	415.5	415.5
32.5°	1195.9	1146.1	1002.9	838.6	668.5	536.8	466.1	436.5	423.2	420.2	419.3
35°	1369.7	1305.6	1123.3	913.1	696.3	539.6	465.1	438.4	427.9	424.0	423.2
37.5°	1558.8	1477.6	1250.3	981.9	710.6	534.9	462.2	437.5	429.8	425.0	424.0
40°	1763.2	1669.6	1395.5	1037.3	712.5	525.3	456.6	438.4	430.8	425.0	423.2
42.5°	1991.5	1878.7	1535.8	1087.9	706.8	513.8	452.8	438.4	431.7	425.0	423.2
45°	2245.5	2107.9	1682.9	1127.1	691.5	500.5	448.9	438.4	432.6	424.0	423.2
47.5°	2516.8	2353.5	1833.9	1157.6	672.4	487.1	447.0	440.4	435.5	425.0	424.0
50°	2800.5	2612.3	1980.0	1177.7	649.5	474.7	445.1	440.4	437.5	426.0	425.0
52.5°	3106.1	2886.4	2138.5	1188.2	622.8	462.2	443.1	442.3	439.3	428.9	426.9
55°	3390.8	3150.1	2279.9	1188.2	595.0	450.8	441.3	443.1	442.3	431.7	429.8
57.5°	3656.3	3392.6	2404.0	1173.9	565.4	439.3	437.5	442.3	443.1	433.6	431.7
60°	3885.5	3604.7	2491.9	1150.9	534.9	427.9	432.6	440.4	443.1	434.7	432.6
62.5°	4040.2	3751.8	2521.6	1102.2	502.4	415.5	424.0	434.7	440.4	432.6	430.8
64°	4088.1	3789.0	2514.9	1066.0	482.4	407.9	418.4	430.8	436.5	430.8	428.9
65°	4101.4	3794.8	2491.0	1035.3	470.0	402.1	413.5	426.9	433.6	427.9	426.0
67.5°	4021.2	3695.4	2373.5	944.6	440.4	386.8	400.2	413.5	422.2	419.3	417.4
70°	3816.8	3485.3	2179.6	845.3	409.7	368.6	382.1	396.4	406.9	405.1	404.0
72.5°	3479.6	3153.9	1935.1	728.8	379.2	348.6	358.2	374.4	384.9	383.9	382.1
75°	3033.5	2717.4	1598.9	622.8	345.8	322.9	332.3	346.7	357.2	355.3	355.3
77.5°	2512.0	2209.2	1283.7	514.8	315.2	295.1	303.7	315.2	324.7	321.9	320.9
80°	1957.1	1700.2	980.9	419.3	282.8	265.5	271.3	279.8	288.5	284.6	283.6
82.5°	1438.4	1243.6	723.1	336.2	250.2	232.0	236.9	244.5	249.3	245.5	244.5
85°	1008.7	869.1	523.5	267.4	214.9	199.6	200.6	204.5	208.2	202.4	201.6
87.5°	680.0	582.7	363.0	212.1	181.5	168.2	167.1	169.1	172.0	166.2	163.4
90°	446.0	380.1	248.3	172.0	151.9	140.4	138.5	138.5	139.5	132.8	130.9
92.5°	282.8	246.4	180.5	140.4	127.1	116.6	113.6	112.7	111.8	105.1	104.2
95°	184.3	169.1	138.5	116.6	105.1	96.4	93.6	91.7	89.8	85.0	83.1
97.5°	129.9	122.3	109.8	96.4	87.9	80.2	77.3	74.6	72.5	66.8	65.9
100°	97.5	94.5	88.8	80.2	73.5	66.8	64.0	61.0	59.2	53.5	52.6
102.5°	75.5	75.5	72.5	66.8	61.0	55.4	53.5	50.6	47.7	43.9	42.9
105°	58.2	58.2	59.2	56.4	51.6	47.7	44.9	42.9	40.1	35.3	35.3
107.5°	43.9	45.9	47.7	46.8	43.9	40.1	38.2	36.3	32.4	29.6	29.6



REPORT NUMBER: P255280

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.5	34.4	38.2	39.2	37.2	34.4	32.4	29.6	26.8	23.9	23.9
112.5°	24.8	26.8	30.6	32.4	31.4	29.6	27.8	24.8	21.0	20.1	20.1
115°	19.1	21.0	24.8	26.8	26.8	24.8	23.0	20.1	17.2	16.3	17.2
117.5°	15.3	17.2	20.1	22.0	22.0	20.1	19.1	16.3	14.3	14.3	14.3
120°	12.4	14.3	16.3	18.1	18.1	17.2	15.3	13.3	11.5	12.4	12.4
122.5°	10.5	11.5	13.3	14.3	15.3	14.3	12.4	10.5	9.5	10.5	10.5
125°	8.6	9.5	11.5	11.5	12.4	11.5	10.5	8.6	7.6	8.6	8.6
127.5°	7.6	8.6	9.5	9.5	10.5	9.5	8.6	6.7	6.7	7.6	7.6
130°	5.7	6.7	7.6	7.6	8.6	7.6	6.7	5.7	5.7	6.7	6.7
132.5°	4.8	5.7	5.7	6.7	6.7	6.7	5.7	3.9	4.8	4.8	4.8
135°	4.8	4.8	5.7	4.8	4.8	4.8	3.9	2.8	3.9	3.9	3.9
137.5°	3.9	3.9	4.8	4.8	3.9	3.9	2.8	1.8	2.8	3.9	3.9
140°	2.8	3.9	3.9	3.9	3.9	2.8	1.8	1.0	1.8	1.8	1.8
142.5°	2.8	2.8	3.9	3.9	2.8	1.8	1.0	0.0	1.0	1.0	1.0
145°	1.8	2.8	2.8	2.8	1.8	1.8	1.0	0.0	0.0	1.0	0.0
147.5°	1.8	1.8	2.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	1.0	1.0	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)