

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: P416831

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-750-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8688.9 lumens
Efficiency: N/A
Efficacy: 104.7 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 - G4

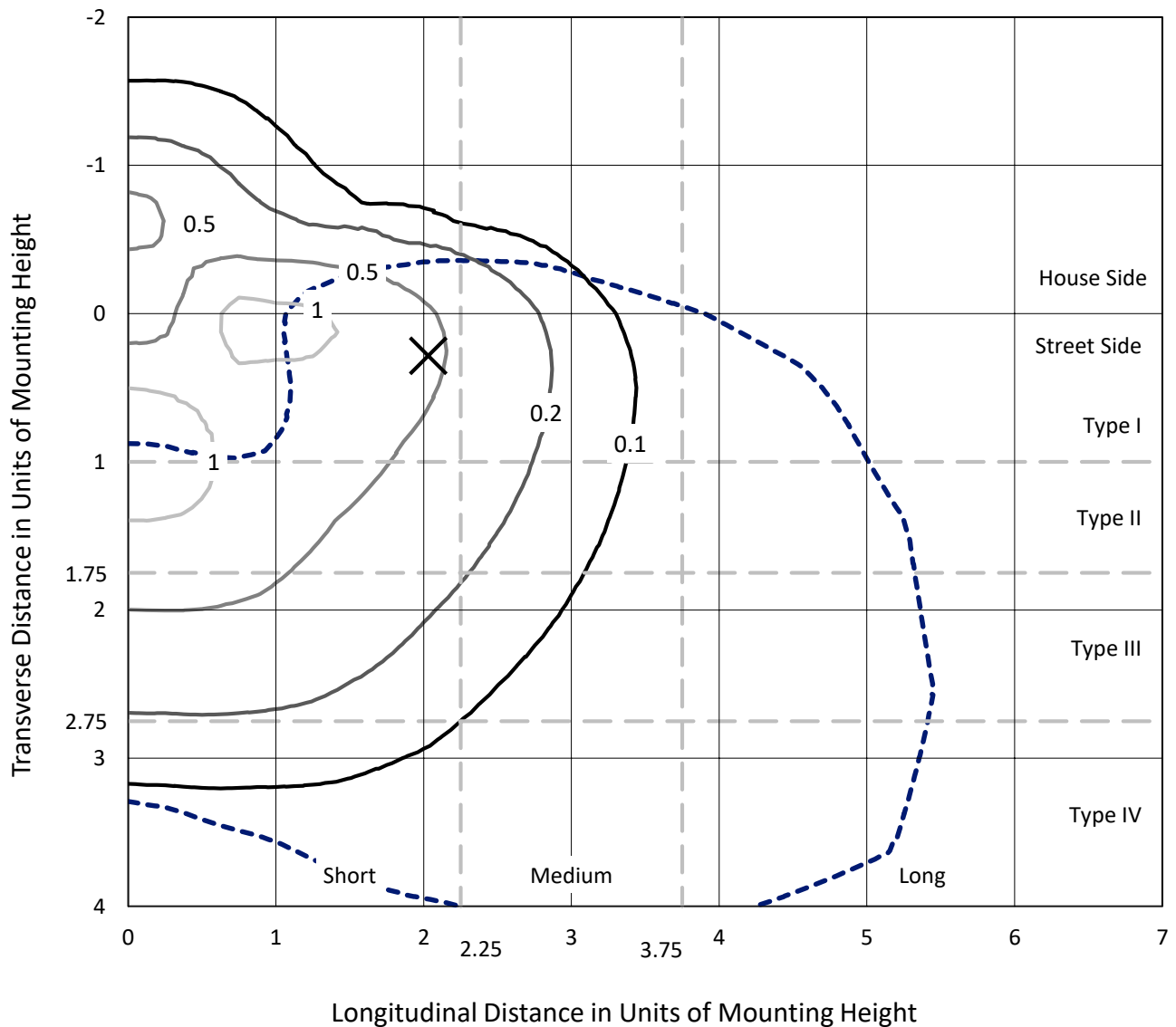
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

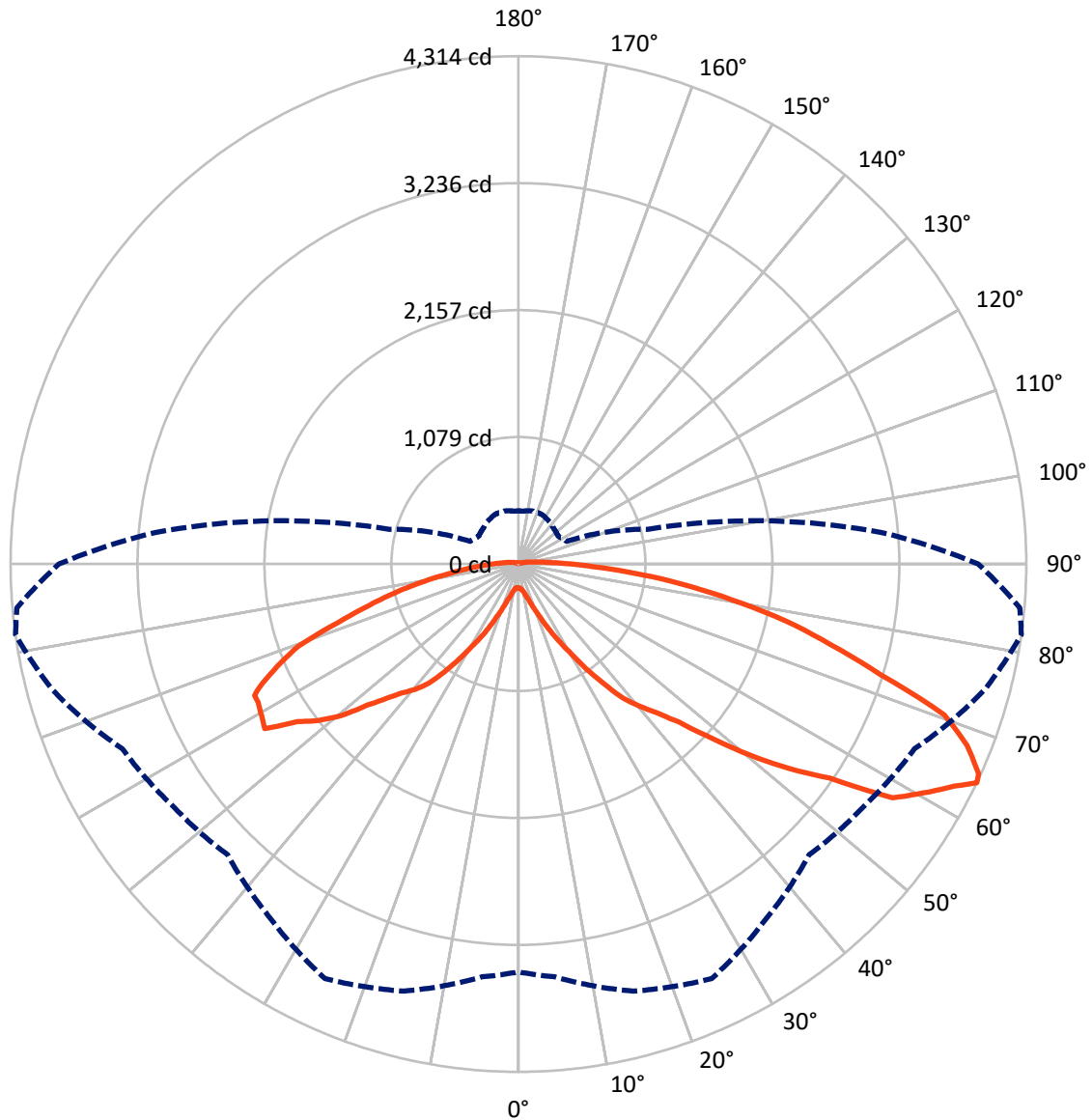


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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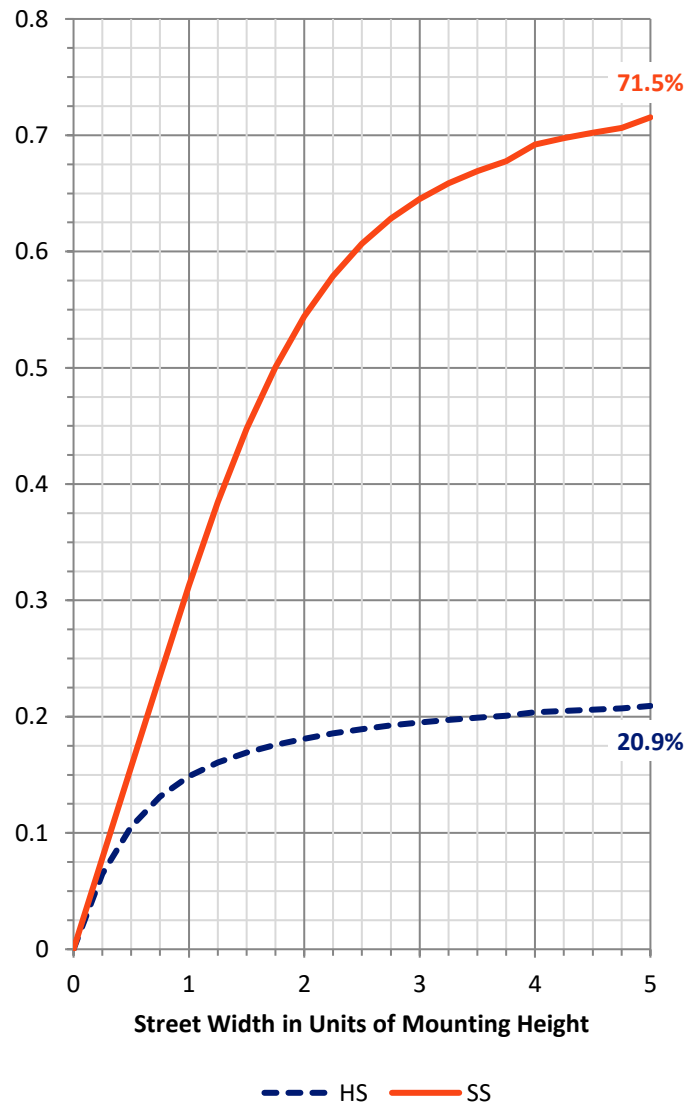
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1910.1	143.1	2053.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	6448.3	187.5	6635.8
	% Fixture	74.2	2.2	76.4
Total	Lumens	8358.3	330.6	8688.9
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.2
10°-20°	89.4	1.0
20°-30°	257.6	3.0
30°-40°	591.3	6.8
40°-50°	1038.5	12.0
50°-60°	1668.1	19.2
60°-70°	2239.2	25.8
70°-80°	1712.0	19.7
80°-90°	741.5	8.5
90°-100°	208.3	2.4
100°-110°	63.2	0.7
110°-120°	27.8	0.3
120°-130°	15.9	0.2
130°-140°	9.7	0.1
140°-150°	4.3	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8358.3	96.2
0°-180°	8688.9	100.0

Coefficient of Utilization



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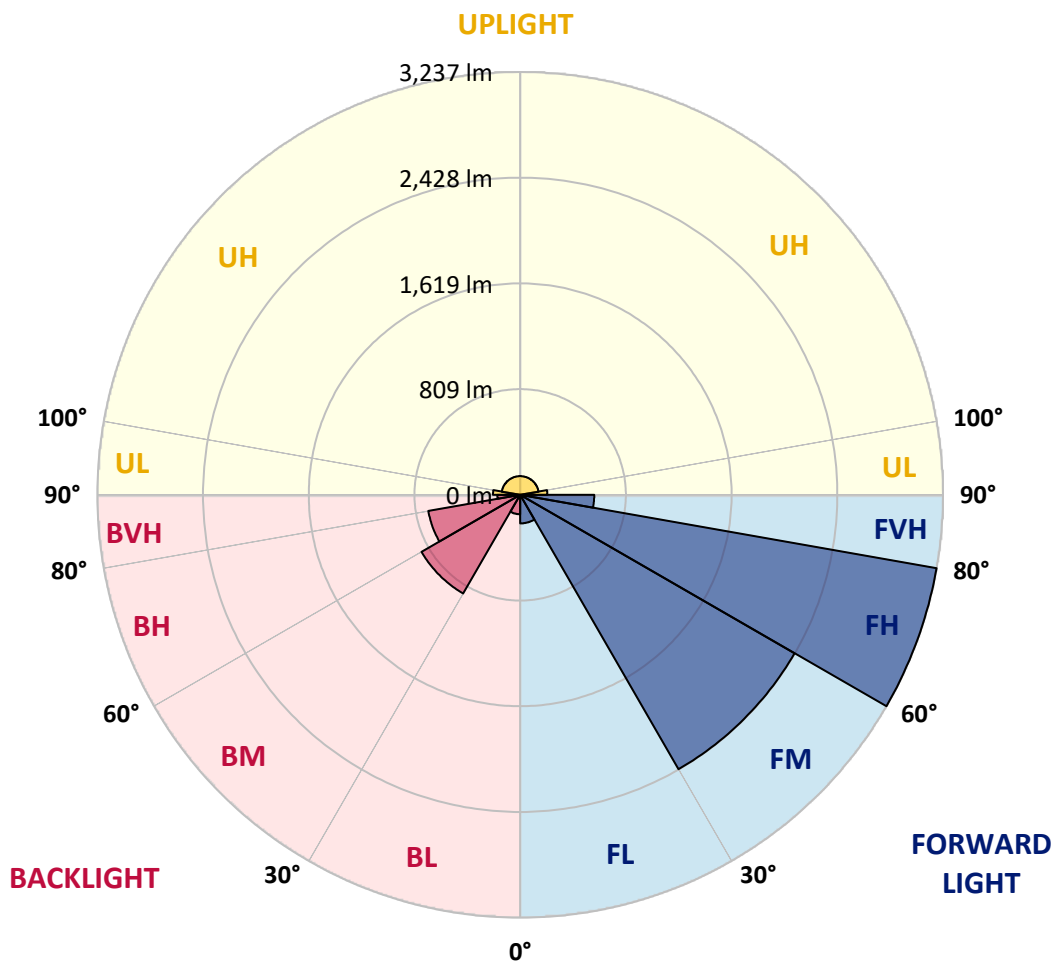
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.8	2.5			
FM	(30°-60°)	2425.5	27.9			
FH	(60°-80°)	3237.1	37.3			G2/5000
FVH	(80°-90°)	566.8	6.5			G4/750
BL	(0°-30°)	149.1	1.7	B1/500		
BM	(30°-60°)	872.3	10.0	B1/1000		
BH	(60°-80°)	714.0	8.2	B2/1000		G2/1000
BVH	(80°-90°)	174.7	2.0			G2/225
UL	(90°-100°)	208.3	2.4		U3/500	
UH	(100°-180°)	143.1	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	218.0	217.0	217.0	218.0	218.0	216.0	212.0	209.0	206.0	205.0	204.0
5°	238.0	237.0	236.0	237.0	234.0	231.0	225.0	219.0	215.0	211.0	210.0
7.5°	265.0	264.0	263.0	261.0	257.0	251.0	242.0	234.0	227.0	222.0	220.0
10°	300.0	296.0	295.0	291.0	284.0	274.0	264.0	254.0	246.0	239.0	236.0
12.5°	348.0	348.0	340.0	331.0	319.0	304.0	291.0	283.0	275.0	271.0	265.0
15°	407.0	405.0	397.0	382.0	362.0	345.0	331.0	321.0	316.0	309.0	306.0
17.5°	472.0	468.0	461.0	438.0	414.0	396.0	380.0	370.0	367.0	361.0	360.0
20°	557.0	551.0	534.0	506.0	473.0	453.0	438.0	427.0	426.0	428.0	427.0
22.5°	658.0	654.0	633.0	582.0	545.0	516.0	496.0	498.0	511.0	517.0	509.0
25°	779.0	783.0	748.0	680.0	631.0	582.0	574.0	585.0	614.0	630.0	631.0
27.5°	922.0	921.0	875.0	800.0	724.0	669.0	656.0	688.0	729.0	752.0	752.0
30°	1082.0	1096.0	1031.0	933.0	827.0	762.0	752.0	801.0	844.0	885.0	897.0
32.5°	1295.1	1292.1	1208.1	1090.0	949.0	857.0	849.0	911.0	1008.0	1065.0	1065.0
35°	1560.1	1549.1	1432.1	1255.1	1066.0	963.0	964.0	1050.0	1178.1	1248.1	1255.1
37.5°	1788.1	1797.1	1679.1	1464.1	1217.1	1084.0	1096.0	1212.1	1366.1	1448.1	1476.1
40°	2032.1	2035.1	1905.1	1671.1	1380.1	1213.1	1242.1	1376.1	1522.1	1590.1	1617.1
42.5°	2247.1	2265.1	2135.1	1879.1	1545.1	1371.1	1385.1	1502.1	1647.1	1728.1	1766.1
45°	2395.1	2405.1	2325.1	2070.1	1724.1	1532.1	1530.1	1639.1	1826.1	1916.1	1977.1
47.5°	2596.1	2623.1	2508.1	2262.1	1908.1	1696.1	1679.1	1819.1	2065.1	2211.1	2263.1
50°	2832.1	2873.1	2792.1	2495.1	2118.1	1889.1	1892.1	2059.1	2362.1	2553.1	2607.1
52.5°	3067.1	3083.1	3029.1	2775.1	2362.1	2114.1	2138.1	2347.1	2695.1	2891.1	2924.1
55°	3193.1	3216.1	3232.1	3031.1	2655.1	2381.1	2423.1	2675.1	2979.1	3209.1	3284.1
57.5°	3313.1	3345.1	3387.2	3250.1	2946.1	2711.1	2752.1	2976.1	3420.2	3748.2	3805.2
60°	3516.2	3544.2	3625.2	3513.2	3213.1	3026.1	3069.1	3384.2	3724.2	3950.2	3956.2
62.5°	3513.2	3557.2	3753.2	3781.2	3499.2	3329.1	3434.2	3604.2	3873.2	4157.2	4151.2
64°	3465.2	3520.2	3756.2	3886.2	3673.2	3493.2	3584.2	3712.2	4104.2	4314.2	4276.2
65°	3431.2	3492.2	3747.2	3913.2	3768.2	3586.2	3654.2	3802.2	4171.2	4296.2	4244.2
67.5°	3244.1	3312.1	3650.2	3910.2	3866.2	3732.2	3754.2	3892.2	4060.2	4109.2	4016.2
70°	2909.1	2945.1	3329.1	3746.2	3769.2	3641.2	3701.2	3772.2	3864.2	3840.2	3718.2
72.5°	2296.1	2370.1	2758.1	3352.2	3483.2	3391.2	3414.2	3449.2	3356.2	3218.1	3073.1
75°	1635.1	1701.1	2063.1	2644.1	3033.1	2996.1	3028.1	2972.1	2869.1	2743.1	2601.1
77.5°	1137.1	1158.1	1457.1	1995.1	2424.1	2537.1	2606.1	2527.1	2469.1	2318.1	2204.1
80°	736.0	771.0	959.0	1445.1	1921.1	2152.1	2263.1	2212.1	2077.1	1836.1	1706.1
82.5°	456.0	484.0	632.0	1026.0	1523.1	1844.1	1951.1	1881.1	1665.1	1396.1	1266.1
85°	261.0	267.0	370.0	668.0	1113.0	1465.1	1608.1	1496.1	1245.1	985.0	871.0
87.5°	150.0	155.0	221.0	409.0	770.0	1104.0	1240.1	1077.0	836.0	633.0	558.0
90°	96.0	102.0	143.0	267.0	496.0	789.0	889.0	739.0	560.0	401.0	353.0
92.5°	66.0	69.0	96.0	166.0	320.0	521.0	594.0	494.0	349.0	256.0	227.0
95°	48.0	50.0	68.0	113.0	206.0	327.0	367.0	313.0	229.0	170.0	152.0
97.5°	39.0	40.0	53.0	83.0	142.0	208.0	220.0	195.0	152.0	121.0	114.0
100°	33.0	34.0	44.0	64.0	101.0	136.0	139.0	131.0	107.0	90.0	86.0
102.5°	30.0	30.0	37.0	52.0	76.0	97.0	97.0	90.0	74.0	66.0	66.0
105°	27.0	27.0	32.0	43.0	60.0	75.0	74.0	66.0	56.0	50.0	51.0
107.5°	24.0	24.0	28.0	35.0	49.0	59.0	57.0	49.0	43.0	39.0	40.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	22.0	22.0	25.0	30.0	41.0	49.0	46.0	38.0	32.0	32.0	33.0
112.5°	20.0	20.0	22.0	27.0	35.0	40.0	37.0	30.0	26.0	26.0	27.0
115°	18.0	18.0	20.0	24.0	31.0	34.0	31.0	24.0	21.0	22.0	24.0
117.5°	17.0	17.0	19.0	22.0	27.0	29.0	26.0	20.0	18.0	20.0	21.0
120°	16.0	16.0	18.0	21.0	25.0	26.0	22.0	18.0	16.0	18.0	19.0
122.5°	16.0	16.0	17.0	20.0	23.0	23.0	20.0	16.0	14.0	16.0	17.0
125°	16.0	16.0	17.0	19.0	21.0	21.0	18.0	14.0	13.0	15.0	15.0
127.5°	17.0	17.0	18.0	19.0	20.0	19.0	16.0	13.0	12.0	14.0	14.0
130°	17.0	17.0	17.0	18.0	18.0	17.0	14.0	12.0	12.0	13.0	14.0
132.5°	17.0	17.0	17.0	17.0	17.0	15.0	13.0	11.0	12.0	13.0	14.0
135°	16.0	16.0	16.0	16.0	15.0	13.0	11.0	9.0	11.0	12.0	12.0
137.5°	14.0	15.0	14.0	14.0	14.0	12.0	9.0	8.0	9.0	11.0	11.0
140°	13.0	13.0	13.0	13.0	12.0	10.0	8.0	6.0	7.0	9.0	9.0
142.5°	12.0	12.0	12.0	11.0	11.0	9.0	6.0	5.0	6.0	7.0	7.0
145°	10.0	10.0	10.0	10.0	9.0	7.0	5.0	4.0	5.0	6.0	6.0
147.5°	8.0	8.0	8.0	8.0	7.0	6.0	4.0	4.0	5.0	5.0	5.0
150°	6.0	7.0	7.0	7.0	6.0	5.0	3.0	3.0	4.0	5.0	5.0
152.5°	5.0	5.0	5.0	6.0	5.0	3.0	2.0	3.0	4.0	4.0	4.0
155°	3.0	4.0	4.0	4.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0
157.5°	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
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°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	203.0	202.0	200.0	198.0	197.0	197.0	195.0	194.0	191.0	191.0	190.0
5°	207.0	205.0	201.0	197.0	194.0	193.0	191.0	188.0	186.0	185.0	185.0
7.5°	216.0	213.0	205.0	200.0	196.0	193.0	191.0	188.0	186.0	185.0	185.0
10°	231.0	226.0	217.0	208.0	202.0	198.0	196.0	195.0	194.0	193.0	193.0
12.5°	260.0	253.0	238.0	227.0	215.0	209.0	207.0	209.0	214.0	216.0	217.0
15°	300.0	291.0	273.0	253.0	235.0	225.0	229.0	239.0	248.0	252.0	251.0
17.5°	350.0	336.0	314.0	287.0	262.0	257.0	261.0	272.0	285.0	291.0	290.0
20°	414.0	403.0	370.0	326.0	298.0	290.0	293.0	307.0	326.0	332.0	334.0
22.5°	502.0	486.0	435.0	374.0	337.0	322.0	325.0	343.0	369.0	383.0	386.0
25°	616.0	599.0	524.0	431.0	373.0	350.0	362.0	386.0	428.0	450.0	448.0
27.5°	748.0	719.0	621.0	501.0	415.0	379.0	397.0	436.0	480.0	508.0	506.0
30°	870.0	845.0	714.0	565.0	451.0	407.0	426.0	476.0	527.0	561.0	563.0
32.5°	1053.0	1007.0	823.0	620.0	480.0	430.0	448.0	509.0	568.0	609.0	608.0
35°	1242.1	1190.1	943.0	684.0	505.0	445.0	464.0	533.0	598.0	647.0	648.0
37.5°	1441.1	1368.1	1050.0	726.0	525.0	454.0	473.0	550.0	633.0	689.0	691.0
40°	1575.1	1492.1	1115.0	748.0	531.0	460.0	481.0	562.0	639.0	680.0	684.0
42.5°	1725.1	1608.1	1149.1	730.0	524.0	459.0	483.0	553.0	613.0	642.0	645.0
45°	1932.1	1775.1	1186.1	702.0	505.0	456.0	475.0	529.0	568.0	579.0	579.0
47.5°	2201.1	1978.1	1248.1	672.0	485.0	447.0	461.0	496.0	511.0	509.0	504.0
50°	2524.1	2266.1	1323.1	646.0	466.0	436.0	445.0	465.0	470.0	464.0	461.0
52.5°	2846.1	2498.1	1375.1	623.0	454.0	426.0	432.0	447.0	447.0	429.0	426.0
55°	3141.1	2708.1	1361.1	579.0	445.0	421.0	427.0	438.0	429.0	408.0	404.0
57.5°	3618.2	3071.1	1397.1	536.0	432.0	420.0	428.0	435.0	422.0	402.0	398.0
60°	3703.2	3056.1	1312.1	509.0	423.0	423.0	432.0	440.0	431.0	413.0	412.0
62.5°	3821.2	3070.1	1183.1	470.0	417.0	425.0	441.0	453.0	452.0	439.0	437.0
64°	3904.2	3090.1	1137.1	452.0	412.0	425.0	448.0	466.0	466.0	451.0	451.0
65°	3822.2	3014.1	1103.0	443.0	407.0	425.0	452.0	474.0	472.0	460.0	458.0
67.5°	3574.2	2767.1	959.0	423.0	396.0	425.0	463.0	487.0	490.0	480.0	476.0
70°	3271.1	2497.1	834.0	400.0	385.0	420.0	463.0	495.0	500.0	489.0	486.0
72.5°	2666.1	2008.1	688.0	375.0	369.0	408.0	457.0	491.0	496.0	483.0	479.0
75°	2235.1	1640.1	570.0	351.0	352.0	393.0	442.0	473.0	473.0	459.0	453.0
77.5°	1841.1	1324.1	472.0	328.0	332.0	374.0	415.0	435.0	429.0	416.0	408.0
80°	1379.1	1000.0	389.0	303.0	307.0	343.0	377.0	391.0	385.0	369.0	367.0
82.5°	1009.0	719.0	332.0	277.0	280.0	309.0	334.0	346.0	351.0	338.0	334.0
85°	663.0	507.0	285.0	251.0	253.0	275.0	291.0	301.0	312.0	308.0	306.0
87.5°	433.0	351.0	241.0	221.0	223.0	241.0	252.0	262.0	284.0	287.0	283.0
90°	291.0	246.0	199.0	191.0	194.0	209.0	215.0	225.0	249.0	253.0	253.0
92.5°	195.0	176.0	161.0	161.0	166.0	179.0	180.0	183.0	203.0	208.0	206.0
95°	137.0	131.0	130.0	132.0	138.0	148.0	143.0	141.0	154.0	155.0	153.0
97.5°	105.0	103.0	105.0	108.0	111.0	121.0	116.0	111.0	117.0	115.0	117.0
100°	84.0	83.0	86.0	86.0	89.0	98.0	94.0	91.0	92.0	88.0	88.0
102.5°	67.0	67.0	70.0	71.0	73.0	80.0	79.0	76.0	74.0	70.0	71.0
105°	52.0	53.0	57.0	58.0	61.0	67.0	66.0	62.0	60.0	55.0	56.0
107.5°	42.0	44.0	47.0	48.0	51.0	56.0	54.0	50.0	47.0	45.0	45.0



REPORT NUMBER: P416831

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	35.0	36.0	39.0	40.0	43.0	47.0	46.0	41.0	37.0	36.0	37.0
112.5°	29.0	31.0	33.0	34.0	37.0	40.0	37.0	33.0	30.0	31.0	31.0
115°	25.0	26.0	28.0	29.0	31.0	34.0	31.0	27.0	25.0	26.0	27.0
117.5°	23.0	24.0	25.0	25.0	27.0	29.0	26.0	23.0	22.0	23.0	24.0
120°	20.0	21.0	22.0	23.0	24.0	25.0	23.0	20.0	19.0	21.0	21.0
122.5°	18.0	19.0	19.0	20.0	21.0	22.0	20.0	18.0	17.0	18.0	19.0
125°	16.0	17.0	18.0	18.0	19.0	19.0	18.0	16.0	16.0	17.0	17.0
127.5°	15.0	16.0	16.0	17.0	17.0	17.0	16.0	14.0	15.0	16.0	16.0
130°	15.0	15.0	15.0	15.0	15.0	15.0	14.0	13.0	14.0	15.0	15.0
132.5°	14.0	14.0	14.0	14.0	14.0	13.0	12.0	12.0	13.0	14.0	14.0
135°	13.0	13.0	12.0	12.0	12.0	12.0	11.0	11.0	11.0	12.0	12.0
137.5°	11.0	11.0	10.0	10.0	10.0	10.0	9.0	9.0	10.0	11.0	11.0
140°	9.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	9.0	9.0	10.0
142.5°	7.0	7.0	7.0	6.0	6.0	7.0	7.0	7.0	8.0	8.0	8.0
145°	6.0	6.0	6.0	5.0	5.0	6.0	6.0	6.0	7.0	7.0	7.0
147.5°	5.0	5.0	5.0	4.0	3.0	5.0	5.0	5.0	6.0	5.0	5.0
150°	5.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	3.0	2.0	2.0	3.0	4.0	3.0	3.0	3.0
155°	4.0	4.0	3.0	3.0	2.0	1.0	2.0	3.0	2.0	2.0	2.0
157.5°	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
160°	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	1.0	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)