

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: P416810

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8443.1 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

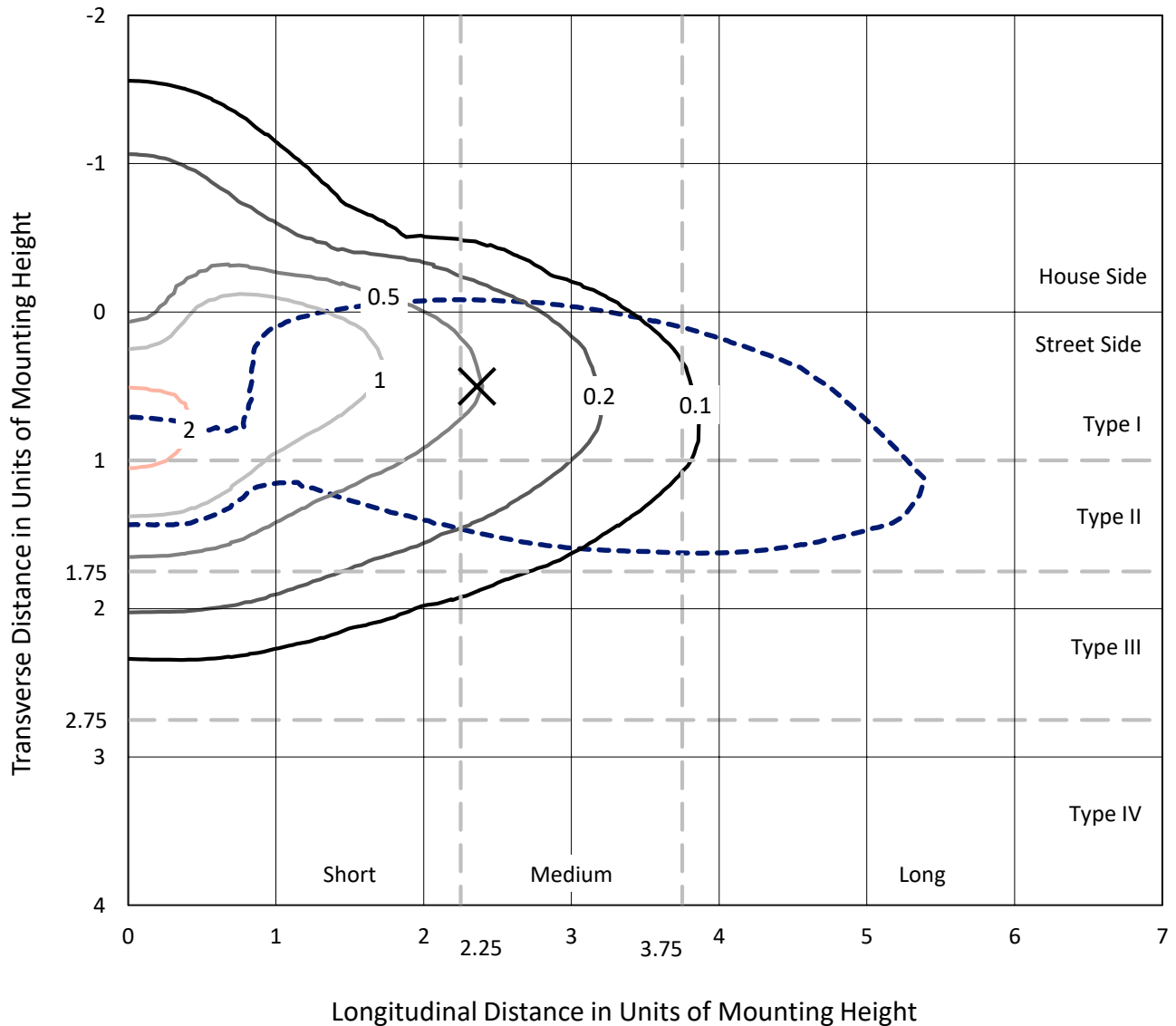
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

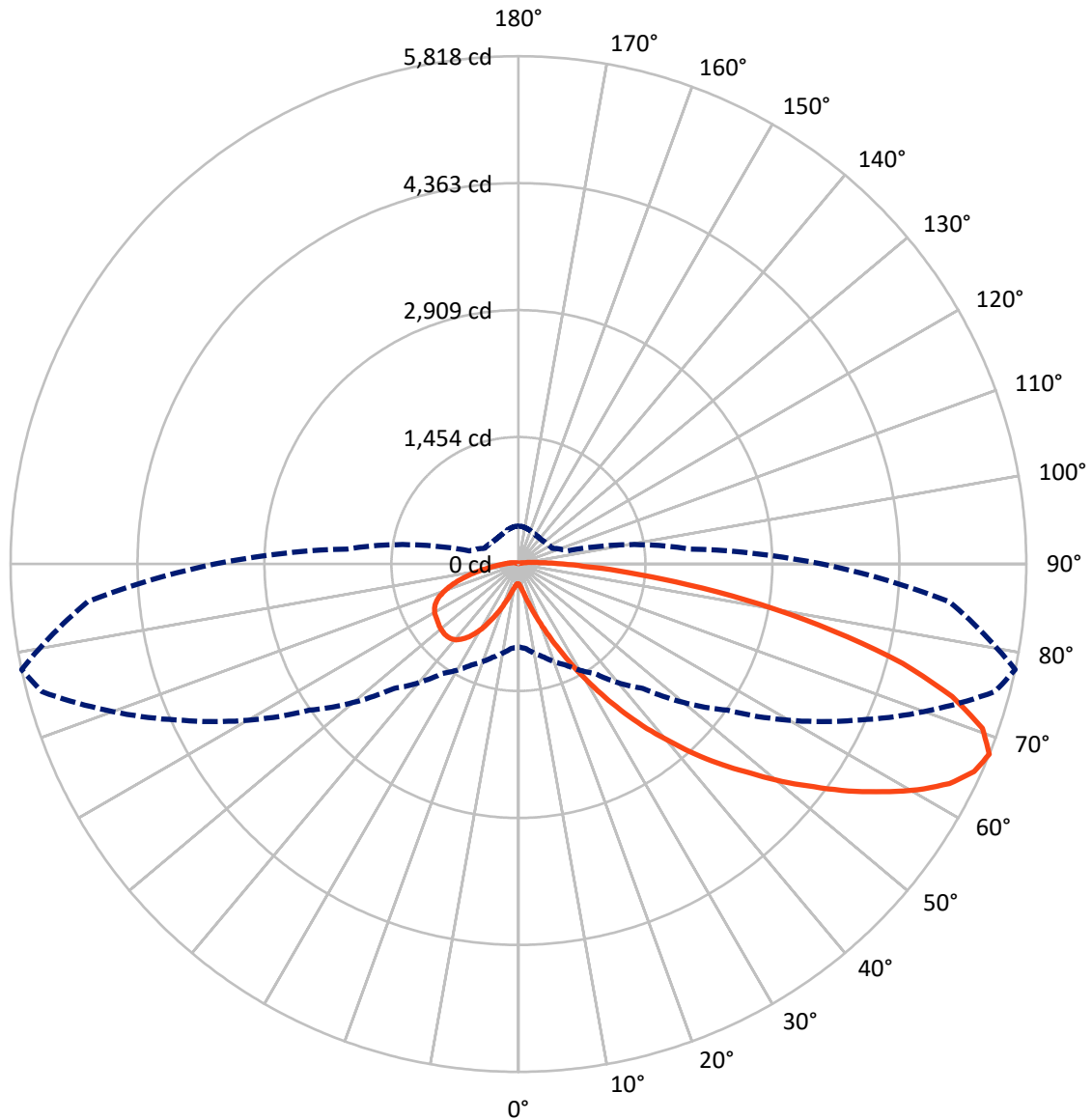


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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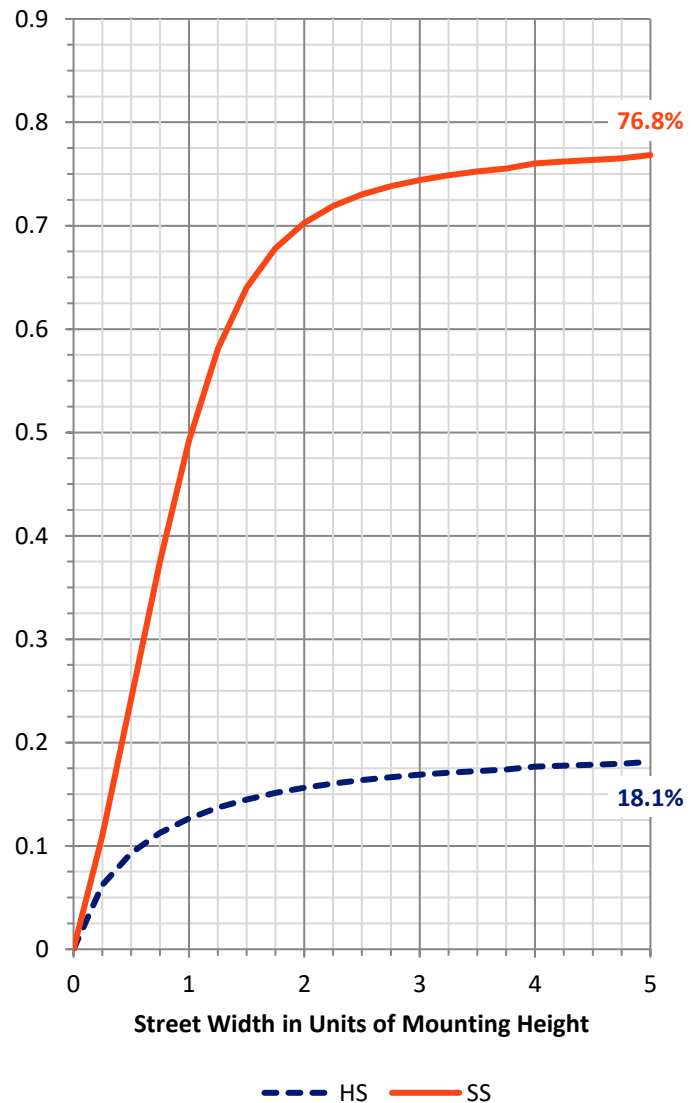
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1604.3	130.3	1734.6
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	6576.5	132.0	6708.5
	% Fixture	77.9	1.6	79.5
Total	Lumens	8180.8	262.3	8443.1
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.3
10°-20°	131.1	1.6
20°-30°	399.7	4.7
30°-40°	894.2	10.6
40°-50°	1473.3	17.5
50°-60°	1813.3	21.5
60°-70°	1758.7	20.8
70°-80°	1218.0	14.4
80°-90°	466.3	5.5
90°-100°	133.8	1.6
100°-110°	58.0	0.7
110°-120°	31.3	0.4
120°-130°	19.4	0.2
130°-140°	12.0	0.1
140°-150°	5.9	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8180.8	96.9
0°-180°	8443.1	100.0



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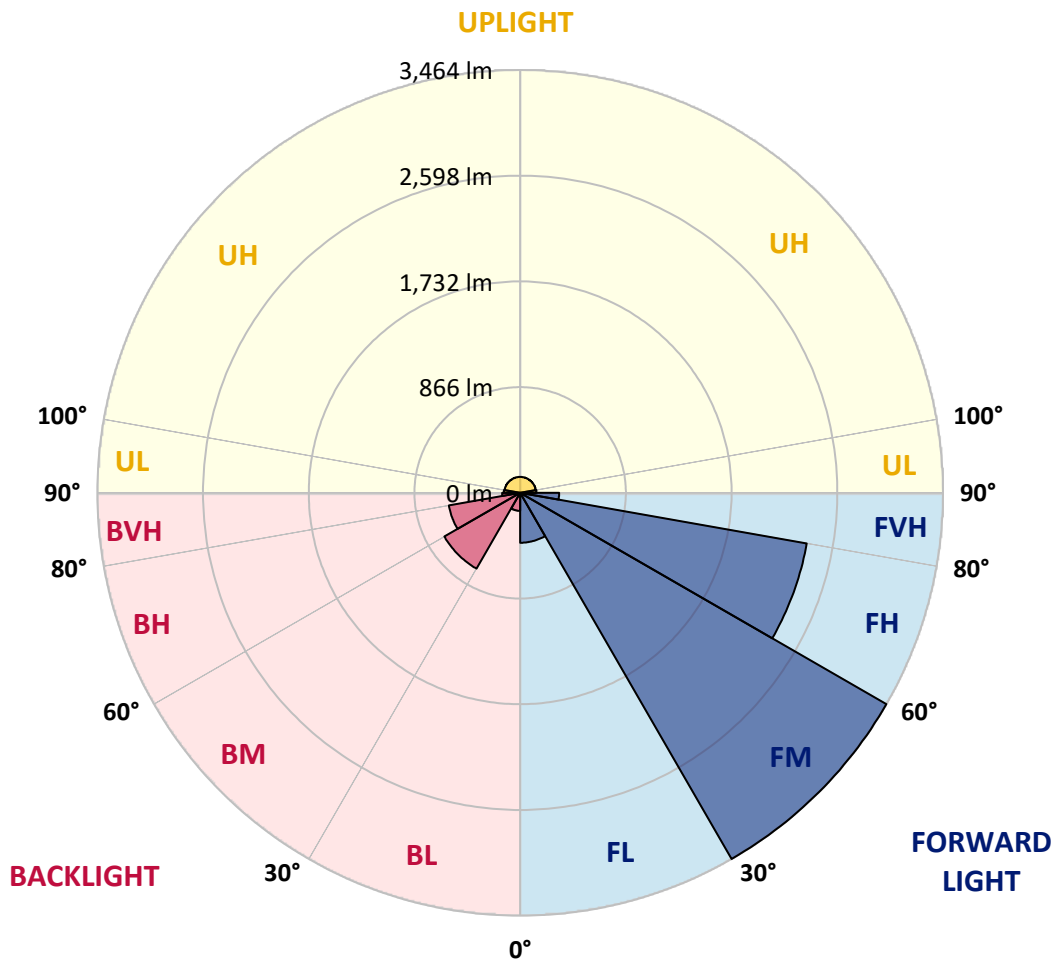
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	409.2	4.8			
FM (30°-60°)	3464.2	41.0			
FH (60°-80°)	2383.9	28.2			G2/5000
FVH (80°-90°)	319.1	3.8			G3/500
BL (0°-30°)	147.8	1.8	B1/500		
BM (30°-60°)	716.6	8.5	B1/1000		
BH (60°-80°)	592.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	147.1	1.7			G2/225
UL (90°-100°)	133.8	1.6		U3/500	
UH (100°-180°)	130.3	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
2.5°	274.0	272.0	272.0	271.0	267.0	263.0	257.0	250.0	244.0	240.0	236.0
5°	333.0	326.0	328.0	322.0	315.0	307.0	296.0	281.0	267.0	264.0	253.0
7.5°	404.0	395.0	398.0	391.0	378.0	361.0	346.0	324.0	303.0	296.0	280.0
10°	494.0	485.0	480.0	470.0	455.0	433.0	410.0	381.0	352.0	342.0	322.0
12.5°	601.0	594.0	587.0	573.0	549.0	521.0	492.0	460.0	422.0	409.0	378.0
15°	734.0	728.0	713.0	694.0	659.0	628.0	584.0	555.0	508.0	492.0	454.0
17.5°	883.0	871.0	856.0	828.0	788.0	749.0	712.0	663.0	612.0	599.0	552.0
20°	1067.0	1063.0	1034.0	987.0	943.0	890.0	854.0	806.0	749.0	731.0	669.0
22.5°	1284.9	1276.9	1242.9	1171.9	1105.9	1038.0	1009.0	959.0	918.0	893.0	812.0
25°	1546.9	1531.9	1475.9	1390.9	1296.9	1215.9	1167.9	1149.9	1117.9	1080.0	981.0
27.5°	1825.9	1826.9	1749.9	1623.9	1492.9	1395.9	1358.9	1365.9	1326.9	1305.9	1184.9
30°	2170.9	2145.9	2044.9	1889.9	1712.9	1587.9	1565.9	1600.9	1589.9	1548.9	1405.9
32.5°	2515.9	2506.9	2381.9	2169.9	1937.9	1800.9	1784.9	1860.9	1857.9	1816.9	1634.9
35°	2859.9	2849.9	2694.9	2447.9	2172.9	2015.9	2001.9	2101.9	2137.9	2096.9	1892.9
37.5°	3205.9	3182.9	3026.9	2726.9	2395.9	2212.9	2218.9	2344.9	2428.9	2391.9	2141.9
40°	3510.8	3506.8	3324.8	2983.9	2610.9	2412.9	2452.9	2618.9	2721.9	2670.9	2394.9
42.5°	3744.8	3727.8	3566.8	3196.9	2803.9	2599.9	2668.9	2888.9	3020.9	2985.9	2643.9
45°	3852.8	3842.8	3713.8	3357.8	2953.9	2761.9	2870.9	3138.9	3318.8	3280.9	2899.9
47.5°	3823.8	3814.8	3744.8	3436.8	3052.9	2900.9	3048.9	3381.8	3631.8	3580.8	3154.9
50°	3649.8	3658.8	3636.8	3413.8	3087.9	2989.9	3217.9	3624.8	3937.8	3913.8	3400.8
52.5°	3331.8	3357.8	3392.8	3293.9	3055.9	3029.9	3339.8	3835.8	4241.8	4240.8	3673.8
55°	2918.9	2936.9	3058.9	3040.9	2933.9	3028.9	3429.8	4043.8	4583.8	4588.8	3955.8
57.5°	2480.9	2471.9	2633.9	2727.9	2755.9	2951.9	3473.8	4227.8	4885.8	4920.8	4253.8
60°	2001.9	2034.9	2186.9	2378.9	2483.9	2799.9	3458.8	4357.8	5176.8	5253.8	4524.8
62.5°	1626.9	1611.9	1778.9	1987.9	2200.9	2581.9	3349.8	4418.8	5453.8	5539.7	4774.8
65°	1228.9	1259.9	1410.9	1595.9	1848.9	2306.9	3173.9	4386.8	5624.7	5734.7	4931.8
67.5°	948.0	972.0	1101.0	1274.9	1532.9	2014.9	2919.9	4237.8	5650.7	5817.7	4953.8
70°	733.0	752.0	843.0	991.0	1236.9	1692.9	2562.9	3953.8	5508.8	5638.7	4751.8
72.5°	584.0	592.0	656.0	776.0	977.0	1380.9	2174.9	3507.8	5079.8	5195.8	4337.8
75°	459.0	471.0	523.0	613.0	763.0	1103.9	1777.9	2963.9	4426.8	4546.8	3766.8
77.5°	365.0	377.0	416.0	479.0	592.0	851.0	1388.9	2414.9	3613.8	3687.8	3000.9
80°	290.0	296.0	329.0	376.0	460.0	656.0	1046.0	1832.9	2736.9	2813.9	2229.9
82.5°	220.0	225.0	258.0	299.0	359.0	497.0	756.0	1288.9	1927.9	1948.9	1513.9
85°	158.0	167.0	194.0	228.0	275.0	370.0	542.0	875.0	1229.9	1261.9	959.0
87.5°	112.0	116.0	143.0	175.0	210.0	274.0	377.0	576.0	757.0	748.0	582.0
90°	76.0	79.0	103.0	129.0	160.0	205.0	263.0	362.0	465.0	450.0	365.0
92.5°	51.0	56.0	76.0	98.0	125.0	158.0	187.0	237.0	288.0	274.0	232.0
95°	38.0	40.0	58.0	78.0	100.0	121.0	139.0	162.0	184.0	180.0	160.0
97.5°	30.0	32.0	47.0	64.0	81.0	98.0	108.0	116.0	128.0	127.0	115.0
100°	26.0	27.0	40.0	55.0	70.0	82.0	88.0	90.0	94.0	92.0	88.0
102.5°	22.0	24.0	35.0	48.0	61.0	70.0	74.0	72.0	71.0	69.0	65.0
105°	20.0	21.0	31.0	43.0	54.0	61.0	62.0	59.0	54.0	53.0	51.0
107.5°	19.0	20.0	28.0	39.0	48.0	54.0	53.0	49.0	43.0	41.0	40.0
110°	18.0	19.0	26.0	35.0	44.0	48.0	47.0	41.0	34.0	32.0	33.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	18.0	18.0	24.0	32.0	40.0	43.0	41.0	35.0	28.0	27.0	28.0
115°	17.0	18.0	23.0	30.0	36.0	39.0	36.0	30.0	24.0	23.0	24.0
117.5°	17.0	18.0	22.0	28.0	34.0	35.0	32.0	26.0	20.0	20.0	22.0
120°	17.0	18.0	21.0	26.0	31.0	32.0	29.0	23.0	18.0	18.0	20.0
122.5°	18.0	18.0	20.0	25.0	29.0	30.0	26.0	20.0	17.0	17.0	19.0
125°	18.0	18.0	20.0	23.0	27.0	27.0	24.0	18.0	15.0	15.0	18.0
127.5°	18.0	18.0	20.0	22.0	25.0	25.0	22.0	17.0	14.0	14.0	17.0
130°	18.0	19.0	19.0	21.0	23.0	23.0	20.0	15.0	14.0	14.0	16.0
132.5°	19.0	19.0	19.0	20.0	22.0	21.0	17.0	14.0	13.0	13.0	15.0
135°	18.0	18.0	18.0	19.0	20.0	19.0	15.0	12.0	12.0	13.0	14.0
137.5°	18.0	18.0	18.0	17.0	18.0	17.0	14.0	11.0	11.0	12.0	13.0
140°	16.0	17.0	16.0	16.0	16.0	15.0	12.0	9.0	10.0	11.0	11.0
142.5°	15.0	15.0	15.0	14.0	14.0	13.0	10.0	8.0	9.0	9.0	10.0
145°	14.0	14.0	13.0	12.0	12.0	10.0	8.0	7.0	8.0	8.0	9.0
147.5°	12.0	12.0	12.0	10.0	9.0	8.0	5.0	5.0	6.0	7.0	7.0
150°	10.0	10.0	10.0	9.0	7.0	6.0	4.0	5.0	5.0	5.0	6.0
152.5°	8.0	8.0	8.0	7.0	6.0	4.0	3.0	4.0	4.0	4.0	5.0
155°	5.0	5.0	5.0	5.0	4.0	2.0	3.0	3.0	4.0	4.0	4.0
157.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
2.5°	233.0	230.0	225.0	220.0	215.0	210.0	206.0	205.0	202.0	202.0	201.0
5°	247.0	242.0	229.0	219.0	208.0	199.0	192.0	189.0	186.0	184.0	184.0
7.5°	272.0	261.0	242.0	225.0	210.0	197.0	188.0	183.0	179.0	177.0	177.0
10°	306.0	292.0	263.0	238.0	216.0	200.0	190.0	184.0	181.0	179.0	178.0
12.5°	356.0	336.0	294.0	258.0	230.0	210.0	197.0	193.0	194.0	194.0	194.0
15°	424.0	395.0	338.0	289.0	249.0	223.0	214.0	214.0	217.0	218.0	216.0
17.5°	512.0	473.0	393.0	320.0	273.0	246.0	236.0	236.0	241.0	244.0	244.0
20°	620.0	564.0	451.0	361.0	301.0	272.0	260.0	261.0	267.0	271.0	271.0
22.5°	744.0	678.0	525.0	403.0	332.0	295.0	282.0	283.0	293.0	298.0	300.0
25°	905.0	803.0	599.0	446.0	361.0	317.0	304.0	305.0	318.0	325.0	325.0
27.5°	1075.0	942.0	674.0	488.0	386.0	337.0	324.0	327.0	341.0	347.0	349.0
30°	1255.9	1090.0	749.0	524.0	406.0	352.0	339.0	345.0	358.0	367.0	368.0
32.5°	1456.9	1234.9	809.0	553.0	423.0	365.0	352.0	361.0	372.0	382.0	383.0
35°	1666.9	1378.9	862.0	573.0	434.0	376.0	362.0	371.0	382.0	391.0	390.0
37.5°	1854.9	1496.9	897.0	581.0	440.0	382.0	369.0	378.0	388.0	395.0	395.0
40°	2039.9	1619.9	914.0	575.0	440.0	385.0	372.0	382.0	391.0	395.0	395.0
42.5°	2215.9	1710.9	911.0	563.0	438.0	386.0	374.0	383.0	391.0	393.0	393.0
45°	2367.9	1794.9	893.0	543.0	431.0	385.0	375.0	383.0	389.0	389.0	390.0
47.5°	2547.9	1860.9	867.0	522.0	423.0	383.0	373.0	382.0	387.0	387.0	386.0
50°	2709.9	1924.9	832.0	499.0	416.0	381.0	372.0	381.0	387.0	385.0	385.0
52.5°	2881.9	1981.9	796.0	478.0	409.0	380.0	372.0	381.0	387.0	386.0	387.0
55°	3040.9	2038.9	751.0	459.0	405.0	379.0	373.0	382.0	390.0	390.0	389.0
57.5°	3244.9	2068.9	716.0	446.0	401.0	379.0	374.0	384.0	394.0	395.0	396.0
60°	3388.8	2107.9	687.0	438.0	401.0	381.0	377.0	387.0	400.0	405.0	408.0
62.5°	3493.8	2105.9	652.0	434.0	402.0	383.0	380.0	390.0	407.0	414.0	418.0
65°	3548.8	2069.9	616.0	431.0	403.0	385.0	382.0	392.0	412.0	425.0	429.0
67.5°	3476.8	1972.9	579.0	426.0	402.0	384.0	383.0	394.0	415.0	432.0	434.0
70°	3301.9	1808.9	535.0	415.0	398.0	381.0	380.0	389.0	412.0	432.0	434.0
72.5°	2969.9	1600.9	484.0	399.0	389.0	374.0	371.0	380.0	402.0	422.0	422.0
75°	2525.9	1359.9	434.0	376.0	371.0	362.0	359.0	364.0	383.0	402.0	403.0
77.5°	1977.9	1083.0	381.0	344.0	349.0	342.0	339.0	342.0	359.0	372.0	373.0
80°	1504.9	825.0	330.0	306.0	318.0	316.0	313.0	312.0	324.0	334.0	331.0
82.5°	1038.0	587.0	273.0	266.0	279.0	282.0	281.0	274.0	283.0	291.0	286.0
85°	670.0	415.0	228.0	225.0	237.0	242.0	241.0	236.0	238.0	247.0	237.0
87.5°	433.0	298.0	188.0	186.0	196.0	202.0	202.0	192.0	196.0	205.0	194.0
90°	271.0	211.0	157.0	156.0	163.0	166.0	162.0	156.0	158.0	163.0	159.0
92.5°	192.0	159.0	131.0	131.0	133.0	135.0	133.0	126.0	130.0	130.0	130.0
95°	140.0	126.0	114.0	112.0	111.0	110.0	109.0	104.0	108.0	107.0	104.0
97.5°	107.0	101.0	97.0	96.0	94.0	93.0	92.0	88.0	91.0	89.0	87.0
100°	84.0	83.0	83.0	83.0	81.0	78.0	78.0	77.0	77.0	74.0	74.0
102.5°	67.0	67.0	71.0	72.0	70.0	68.0	68.0	67.0	66.0	62.0	61.0
105°	53.0	55.0	61.0	62.0	61.0	59.0	58.0	58.0	56.0	51.0	51.0
107.5°	43.0	45.0	52.0	54.0	53.0	52.0	51.0	50.0	48.0	43.0	43.0
110°	35.0	38.0	44.0	47.0	46.0	45.0	45.0	43.0	41.0	37.0	37.0



REPORT NUMBER: P416810

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.0	33.0	38.0	41.0	41.0	40.0	39.0	38.0	35.0	32.0	32.0
115°	26.0	29.0	34.0	36.0	36.0	35.0	34.0	33.0	30.0	28.0	29.0
117.5°	24.0	26.0	30.0	32.0	32.0	31.0	30.0	29.0	27.0	26.0	26.0
120°	22.0	24.0	27.0	29.0	29.0	28.0	27.0	26.0	24.0	24.0	24.0
122.5°	20.0	22.0	25.0	26.0	26.0	25.0	24.0	23.0	21.0	22.0	22.0
125°	19.0	20.0	22.0	24.0	24.0	23.0	22.0	20.0	19.0	20.0	20.0
127.5°	18.0	19.0	21.0	22.0	22.0	21.0	19.0	18.0	17.0	18.0	18.0
130°	17.0	18.0	19.0	20.0	20.0	18.0	17.0	16.0	16.0	17.0	17.0
132.5°	16.0	17.0	17.0	18.0	18.0	17.0	15.0	14.0	14.0	15.0	15.0
135°	15.0	15.0	16.0	16.0	16.0	15.0	13.0	12.0	13.0	14.0	14.0
137.5°	13.0	14.0	14.0	15.0	14.0	13.0	11.0	11.0	12.0	12.0	12.0
140°	12.0	12.0	13.0	13.0	12.0	11.0	10.0	9.0	10.0	11.0	11.0
142.5°	11.0	11.0	11.0	11.0	11.0	9.0	8.0	8.0	9.0	9.0	9.0
145°	9.0	9.0	10.0	9.0	9.0	7.0	6.0	7.0	8.0	8.0	8.0
147.5°	7.0	8.0	8.0	8.0	7.0	5.0	4.0	6.0	7.0	7.0	7.0
150°	6.0	6.0	6.0	6.0	6.0	4.0	3.0	5.0	6.0	6.0	6.0
152.5°	5.0	5.0	6.0	6.0	5.0	3.0	2.0	4.0	5.0	5.0	4.0
155°	4.0	4.0	5.0	5.0	4.0	2.0	2.0	3.0	4.0	4.0	3.0
157.5°	3.0	4.0	4.0	4.0	3.0	2.0	1.0	2.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	4.0	3.0	2.0	1.0	2.0	3.0	2.0	2.0
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)