

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: P416776

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8704.1 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

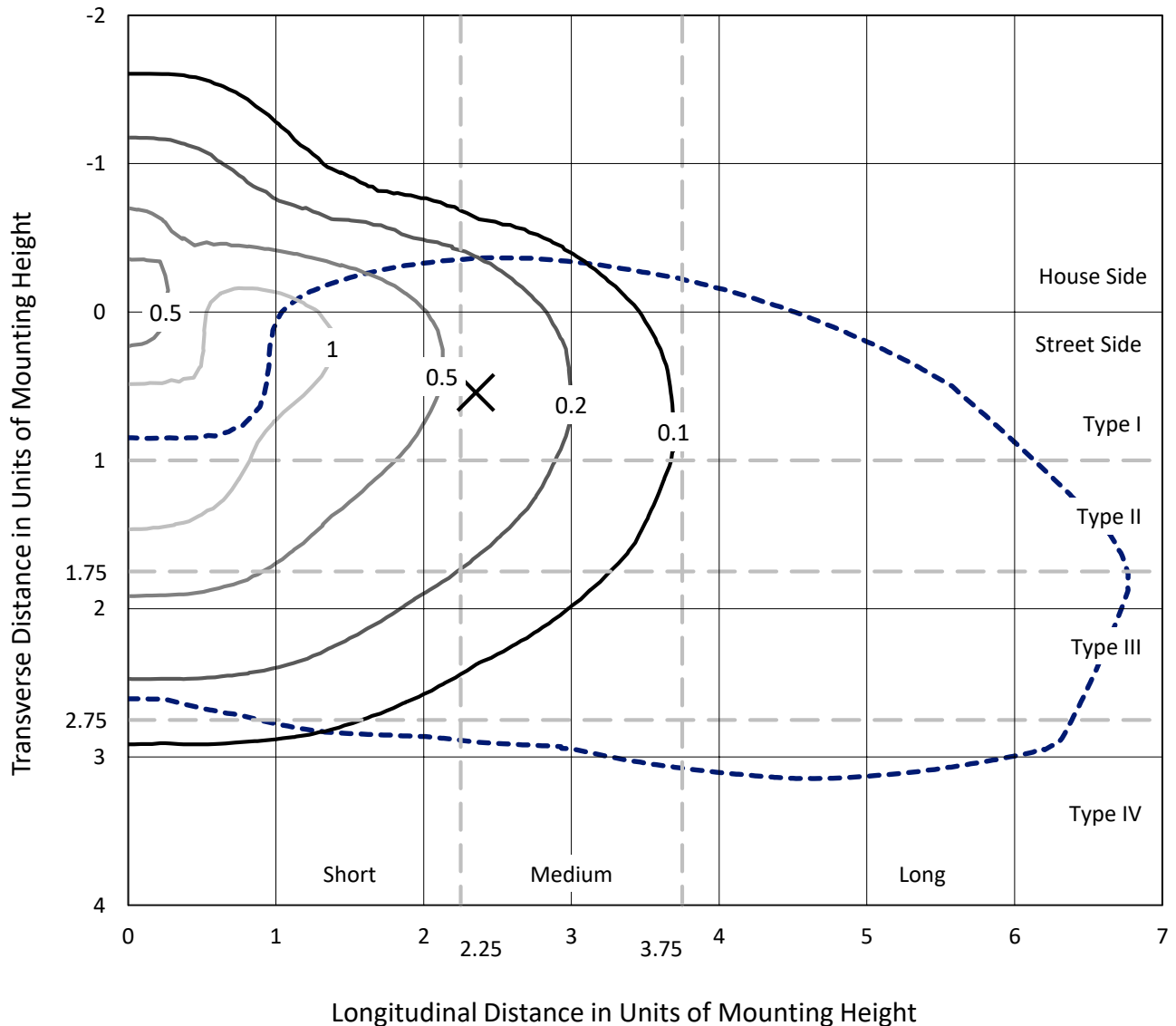
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416776
 CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

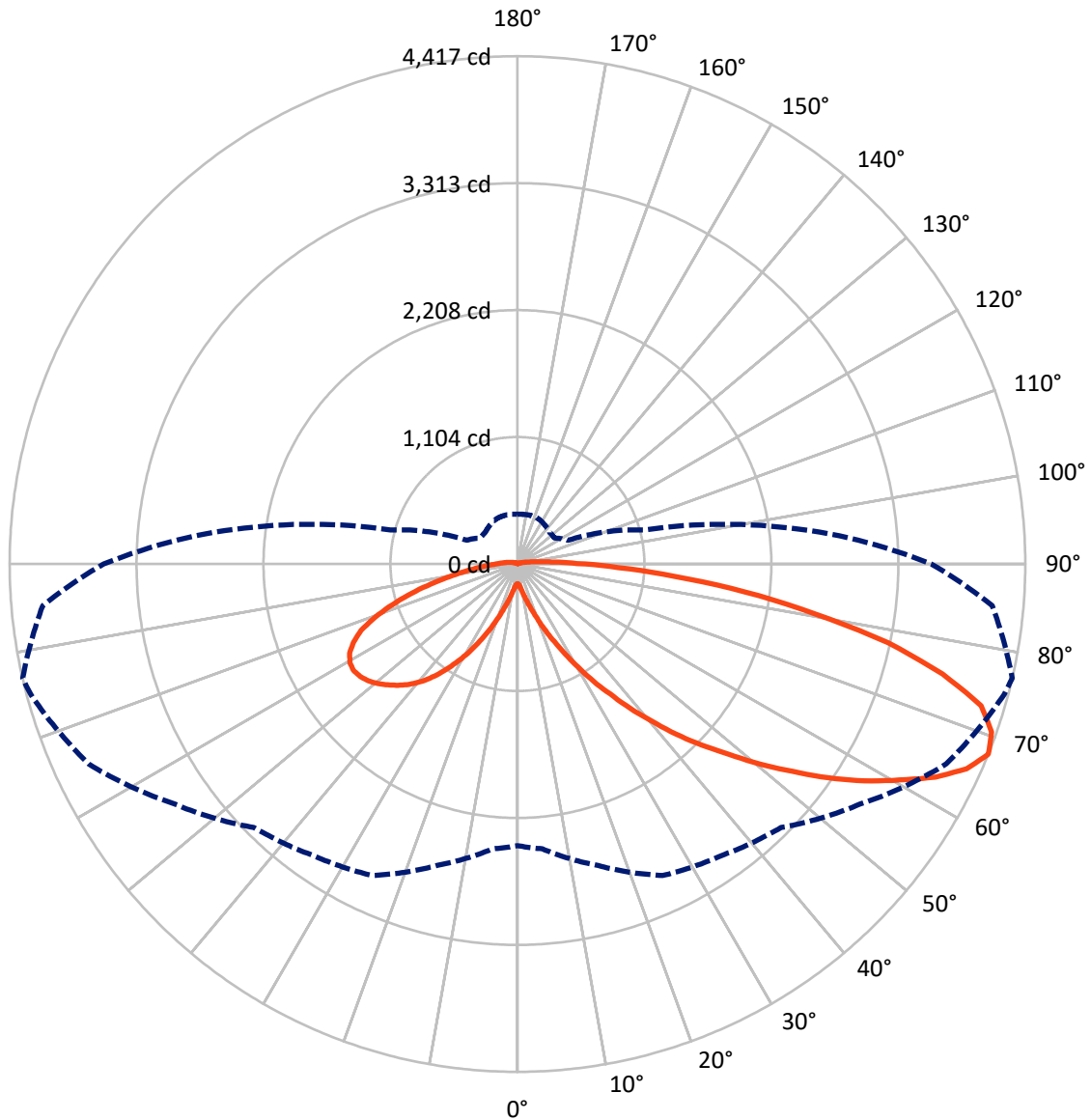
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416776
CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P416776

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1985.8	130.8	2116.5
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	6441.9	145.7	6587.5
	% Fixture	74.0	1.7	75.7
Total	Lumens	8427.7	276.4	8704.1
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.2
10°-20°	101.0	1.2
20°-30°	301.6	3.5
30°-40°	668.0	7.7
40°-50°	1196.3	13.7
50°-60°	1791.7	20.6
60°-70°	2111.9	24.3
70°-80°	1612.4	18.5
80°-90°	625.0	7.2
90°-100°	159.3	1.8
100°-110°	60.3	0.7
110°-120°	28.3	0.3
120°-130°	15.1	0.2
130°-140°	8.4	0.1
140°-150°	3.8	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8427.7	96.8
0°-180°	8704.1	100.0



REPORT NUMBER: P416776

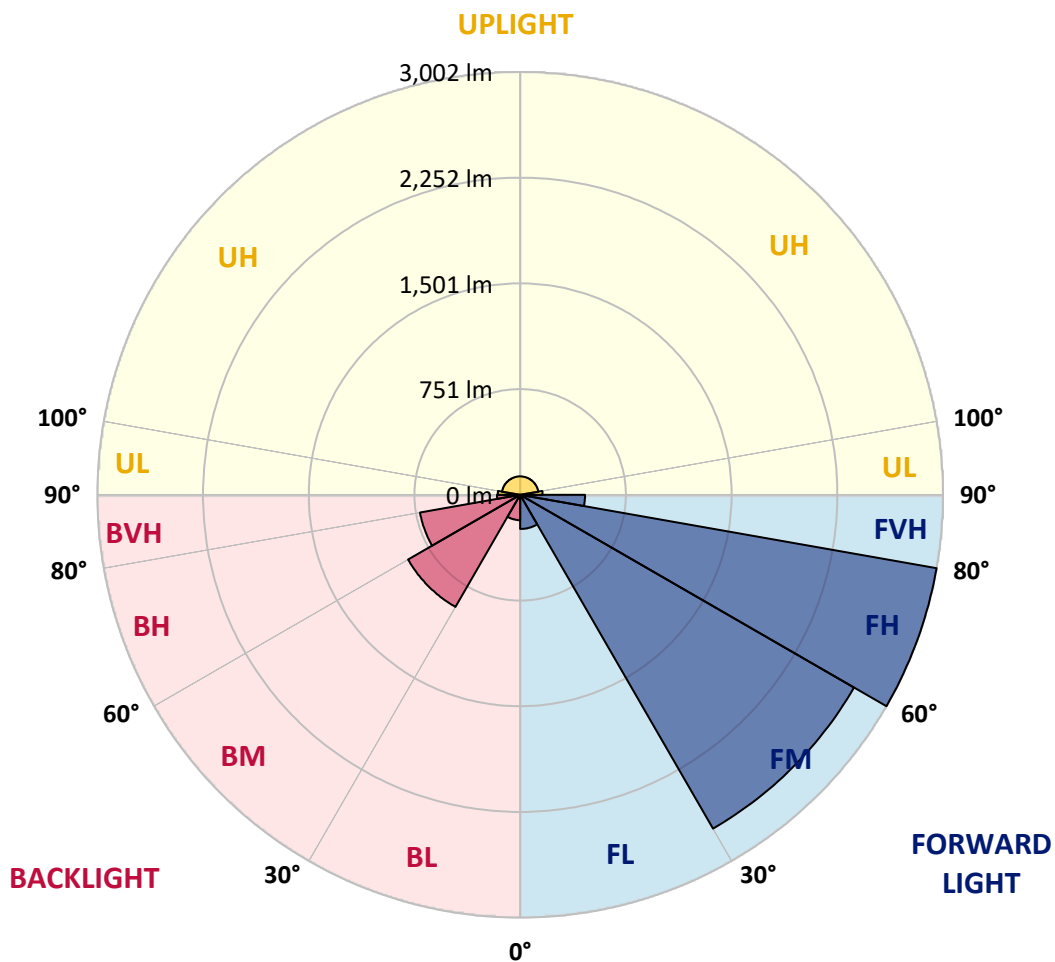
CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.6	2.8			
FM (30°-60°)	2736.7	31.4			
FH (60°-80°)	3002.2	34.5			G2/5000
FVH (80°-90°)	460.4	5.3			G3/500
BL (0°-30°)	179.8	2.1	B1/500		
BM (30°-60°)	919.2	10.6	B1/1000		
BH (60°-80°)	722.1	8.3	B2/1000		G2/1000
BVH (80°-90°)	164.7	1.9			G2/225
UL (90°-100°)	159.3	1.8		U3/500	
UH (100°-180°)	130.8	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P416776

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0
2.5°	181.0	180.0	181.0	181.0	182.0	180.0	178.0	177.0	176.0	176.0	175.0
5°	200.0	198.0	199.0	200.0	199.0	197.0	194.0	193.0	191.0	191.0	189.0
7.5°	227.0	227.0	226.0	224.0	226.0	223.0	221.0	220.0	217.0	216.0	215.0
10°	268.0	266.0	265.0	263.0	261.0	260.0	256.0	256.0	251.0	253.0	250.0
12.5°	321.0	317.0	318.0	314.0	308.0	304.0	302.0	301.0	301.0	301.0	300.0
15°	385.0	382.0	381.0	372.0	366.0	361.0	357.0	358.0	363.0	364.0	360.0
17.5°	458.0	463.0	454.0	446.0	437.0	427.0	427.0	427.0	431.0	434.0	432.0
20°	560.0	550.0	540.0	527.0	512.0	504.0	500.0	512.0	519.0	524.0	522.0
22.5°	672.0	662.0	651.0	630.0	609.0	594.0	594.0	609.0	625.0	631.0	633.0
25°	799.0	805.0	778.0	746.0	708.0	695.0	697.0	719.0	743.0	748.0	760.0
27.5°	956.0	956.0	933.0	882.0	832.0	806.0	808.0	844.0	880.0	887.0	896.0
30°	1147.0	1140.0	1109.0	1041.0	975.0	926.0	935.0	979.0	1036.0	1042.0	1053.0
32.5°	1360.0	1359.0	1299.0	1215.0	1120.0	1062.0	1066.0	1130.0	1201.0	1218.0	1230.0
35°	1595.9	1601.9	1523.9	1402.0	1292.0	1214.0	1227.0	1300.0	1383.0	1387.0	1402.0
37.5°	1865.9	1862.9	1769.9	1636.9	1472.9	1390.0	1380.0	1478.9	1565.9	1591.9	1583.9
40°	2164.9	2132.9	2042.9	1877.9	1675.9	1564.9	1566.9	1668.9	1786.9	1794.9	1792.9
42.5°	2459.9	2445.9	2336.9	2113.9	1897.9	1766.9	1771.9	1869.9	1991.9	2022.9	2000.9
45°	2777.9	2742.9	2624.9	2394.9	2131.9	1989.9	1976.9	2086.9	2220.9	2244.9	2223.9
47.5°	3034.9	3012.9	2908.9	2663.9	2382.9	2200.9	2180.9	2315.9	2468.9	2470.9	2439.9
50°	3247.9	3236.9	3154.9	2937.9	2625.9	2436.9	2415.9	2549.9	2709.9	2735.9	2690.9
52.5°	3431.9	3413.9	3372.9	3158.9	2846.9	2638.9	2635.9	2782.9	2982.9	2994.9	2951.9
55°	3490.9	3501.9	3495.9	3344.9	3063.9	2838.9	2863.9	3061.9	3240.9	3282.9	3201.9
57.5°	3481.9	3481.9	3538.9	3469.9	3208.9	3019.9	3073.9	3312.9	3545.9	3558.9	3461.9
60°	3345.9	3348.9	3485.9	3504.9	3312.9	3174.9	3301.9	3567.9	3806.9	3814.9	3723.9
62.5°	3149.9	3142.9	3343.9	3439.9	3325.9	3266.9	3464.9	3790.9	4052.9	4079.9	3942.9
65°	2843.9	2856.9	3073.9	3264.9	3257.9	3301.9	3591.9	3991.9	4252.9	4291.8	4093.9
67.5°	2448.9	2486.9	2714.9	2988.9	3094.9	3240.9	3638.9	4114.9	4382.8	4416.8	4144.9
70°	2028.9	2019.9	2266.9	2610.9	2817.9	3084.9	3586.9	4119.9	4385.8	4374.8	4035.9
72.5°	1538.9	1576.9	1798.9	2148.9	2455.9	2788.9	3417.9	3991.9	4217.9	4215.9	3747.9
75°	1094.0	1117.0	1313.0	1662.9	2028.9	2442.9	3080.9	3712.9	3878.9	3818.9	3330.9
77.5°	722.0	743.0	912.0	1231.0	1569.9	2007.9	2627.9	3225.9	3357.9	3295.9	2798.9
80°	449.0	459.0	587.0	840.0	1141.0	1555.9	2127.9	2637.9	2689.9	2626.9	2154.9
82.5°	267.0	275.0	367.0	539.0	813.0	1133.0	1603.9	2021.9	2038.9	1995.9	1553.9
85°	164.0	175.0	234.0	360.0	542.0	799.0	1118.0	1405.0	1417.0	1367.0	1027.0
87.5°	107.0	113.0	159.0	234.0	365.0	535.0	749.0	935.0	908.0	877.0	649.0
90°	73.0	77.0	109.0	161.0	247.0	354.0	474.0	585.0	542.0	518.0	394.0
92.5°	51.0	55.0	80.0	116.0	171.0	237.0	308.0	350.0	332.0	321.0	248.0
95°	40.0	42.0	61.0	90.0	127.0	168.0	204.0	217.0	206.0	198.0	167.0
97.5°	32.0	34.0	51.0	73.0	99.0	125.0	142.0	146.0	135.0	131.0	116.0
100°	27.0	29.0	43.0	61.0	81.0	99.0	106.0	105.0	96.0	94.0	84.0
102.5°	24.0	25.0	38.0	53.0	69.0	80.0	84.0	79.0	70.0	69.0	63.0
105°	21.0	23.0	33.0	46.0	59.0	68.0	68.0	62.0	52.0	51.0	48.0
107.5°	20.0	20.0	29.0	40.0	51.0	57.0	57.0	50.0	41.0	39.0	37.0
110°	18.0	19.0	26.0	35.0	44.0	49.0	48.0	40.0	31.0	30.0	29.0



REPORT NUMBER: P416776

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	17.0	17.0	23.0	31.0	38.0	42.0	40.0	33.0	25.0	24.0	23.0
115°	16.0	16.0	21.0	28.0	34.0	37.0	34.0	27.0	20.0	19.0	20.0
117.5°	15.0	16.0	19.0	25.0	30.0	32.0	29.0	23.0	17.0	16.0	17.0
120°	15.0	15.0	18.0	22.0	26.0	28.0	25.0	19.0	14.0	14.0	15.0
122.5°	15.0	15.0	17.0	20.0	23.0	24.0	21.0	16.0	13.0	13.0	14.0
125°	14.0	14.0	16.0	18.0	21.0	21.0	19.0	14.0	11.0	11.0	13.0
127.5°	14.0	14.0	15.0	17.0	19.0	19.0	16.0	12.0	10.0	11.0	12.0
130°	13.0	13.0	14.0	15.0	17.0	16.0	14.0	11.0	9.0	10.0	11.0
132.5°	13.0	13.0	13.0	14.0	15.0	14.0	12.0	9.0	9.0	9.0	10.0
135°	12.0	12.0	13.0	13.0	13.0	12.0	10.0	8.0	8.0	8.0	9.0
137.5°	12.0	12.0	12.0	12.0	12.0	11.0	9.0	7.0	7.0	7.0	8.0
140°	11.0	11.0	11.0	10.0	10.0	9.0	7.0	6.0	6.0	6.0	7.0
142.5°	10.0	10.0	10.0	9.0	9.0	7.0	6.0	5.0	5.0	6.0	6.0
145°	9.0	9.0	9.0	8.0	7.0	6.0	4.0	4.0	5.0	5.0	6.0
147.5°	7.0	7.0	7.0	7.0	5.0	5.0	3.0	4.0	4.0	5.0	5.0
150°	6.0	6.0	6.0	6.0	4.0	3.0	2.0	3.0	4.0	4.0	4.0
152.5°	5.0	5.0	5.0	5.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0
155°	3.0	3.0	4.0	3.0	2.0	1.0	2.0	2.0	3.0	3.0	3.0
157.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0
160°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	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



REPORT NUMBER: P416776

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0
2.5°	174.0	175.0	174.0	173.0	173.0	172.0	172.0	172.0	172.0	171.0	171.0
5°	190.0	189.0	188.0	186.0	184.0	182.0	182.0	181.0	180.0	179.0	179.0
7.5°	212.0	212.0	210.0	207.0	204.0	202.0	200.0	199.0	196.0	196.0	195.0
10°	246.0	246.0	240.0	237.0	232.0	227.0	225.0	222.0	220.0	219.0	218.0
12.5°	295.0	292.0	286.0	276.0	266.0	258.0	253.0	251.0	252.0	252.0	253.0
15°	358.0	352.0	343.0	324.0	306.0	294.0	291.0	291.0	292.0	292.0	293.0
17.5°	433.0	424.0	404.0	380.0	354.0	338.0	331.0	331.0	333.0	336.0	339.0
20°	524.0	516.0	485.0	443.0	404.0	383.0	371.0	370.0	374.0	383.0	381.0
22.5°	627.0	618.0	572.0	511.0	457.0	423.0	410.0	414.0	424.0	430.0	430.0
25°	751.0	736.0	667.0	578.0	509.0	461.0	444.0	450.0	465.0	472.0	475.0
27.5°	884.0	864.0	772.0	651.0	550.0	492.0	474.0	482.0	500.0	511.0	514.0
30°	1042.0	1007.0	882.0	719.0	587.0	514.0	495.0	510.0	530.0	543.0	546.0
32.5°	1208.0	1154.0	977.0	777.0	614.0	529.0	510.0	528.0	550.0	565.0	566.0
35°	1374.0	1312.0	1082.0	824.0	628.0	536.0	516.0	537.0	561.0	573.0	576.0
37.5°	1553.9	1467.9	1173.0	854.0	634.0	535.0	516.0	537.0	560.0	570.0	572.0
40°	1726.9	1620.9	1254.0	872.0	632.0	527.0	509.0	531.0	551.0	558.0	557.0
42.5°	1920.9	1768.9	1319.0	873.0	618.0	515.0	500.0	519.0	533.0	532.0	533.0
45°	2105.9	1925.9	1367.0	866.0	599.0	500.0	488.0	505.0	510.0	505.0	504.0
47.5°	2308.9	2081.9	1405.0	848.0	576.0	486.0	475.0	488.0	489.0	478.0	476.0
50°	2523.9	2237.9	1439.9	815.0	549.0	470.0	463.0	474.0	472.0	454.0	451.0
52.5°	2733.9	2395.9	1461.9	775.0	522.0	456.0	453.0	464.0	458.0	437.0	433.0
55°	2957.9	2541.9	1465.9	735.0	496.0	444.0	444.0	456.0	449.0	427.0	424.0
57.5°	3176.9	2694.9	1450.9	683.0	471.0	431.0	437.0	451.0	446.0	424.0	422.0
60°	3381.9	2809.9	1410.0	634.0	448.0	422.0	432.0	448.0	444.0	426.0	424.0
62.5°	3540.9	2885.9	1345.0	586.0	428.0	413.0	427.0	443.0	444.0	429.0	430.0
65°	3614.9	2885.9	1251.0	538.0	410.0	404.0	422.0	440.0	442.0	433.0	433.0
67.5°	3598.9	2811.9	1145.0	488.0	393.0	393.0	415.0	434.0	438.0	434.0	434.0
70°	3429.9	2611.9	1000.0	448.0	376.0	380.0	404.0	424.0	430.0	431.0	430.0
72.5°	3154.9	2310.9	850.0	406.0	358.0	367.0	390.0	410.0	418.0	420.0	419.0
75°	2729.9	1961.9	703.0	371.0	339.0	350.0	374.0	391.0	400.0	404.0	402.0
77.5°	2193.9	1556.9	576.0	336.0	317.0	329.0	352.0	366.0	377.0	382.0	378.0
80°	1671.9	1159.0	458.0	301.0	290.0	303.0	323.0	338.0	348.0	350.0	347.0
82.5°	1187.0	822.0	367.0	268.0	261.0	272.0	290.0	300.0	312.0	311.0	305.0
85°	778.0	558.0	288.0	233.0	230.0	237.0	251.0	257.0	269.0	269.0	262.0
87.5°	506.0	370.0	227.0	196.0	199.0	205.0	212.0	217.0	222.0	223.0	217.0
90°	323.0	253.0	181.0	167.0	170.0	175.0	175.0	174.0	182.0	184.0	179.0
92.5°	212.0	180.0	150.0	142.0	144.0	145.0	145.0	141.0	148.0	149.0	145.0
95°	149.0	135.0	124.0	122.0	122.0	122.0	120.0	115.0	121.0	121.0	119.0
97.5°	112.0	105.0	104.0	104.0	104.0	103.0	100.0	98.0	100.0	100.0	99.0
100°	84.0	83.0	86.0	88.0	89.0	88.0	86.0	83.0	83.0	79.0	80.0
102.5°	64.0	66.0	72.0	75.0	75.0	75.0	74.0	70.0	68.0	64.0	63.0
105°	50.0	52.0	59.0	63.0	64.0	65.0	63.0	59.0	55.0	51.0	50.0
107.5°	39.0	42.0	48.0	53.0	55.0	55.0	54.0	50.0	45.0	40.0	40.0
110°	32.0	34.0	40.0	45.0	47.0	47.0	46.0	41.0	36.0	32.0	32.0



REPORT NUMBER: P416776

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.0	28.0	34.0	38.0	40.0	41.0	39.0	35.0	30.0	26.0	26.0
115°	22.0	24.0	29.0	32.0	34.0	34.0	33.0	29.0	25.0	22.0	22.0
117.5°	19.0	21.0	25.0	28.0	29.0	30.0	28.0	25.0	21.0	19.0	19.0
120°	17.0	18.0	22.0	24.0	25.0	25.0	24.0	21.0	18.0	17.0	17.0
122.5°	15.0	17.0	19.0	21.0	22.0	22.0	21.0	18.0	16.0	15.0	16.0
125°	14.0	15.0	17.0	19.0	19.0	19.0	18.0	16.0	14.0	14.0	14.0
127.5°	13.0	14.0	15.0	16.0	17.0	17.0	16.0	14.0	13.0	13.0	13.0
130°	12.0	13.0	14.0	14.0	15.0	15.0	14.0	12.0	12.0	12.0	12.0
132.5°	11.0	12.0	12.0	13.0	13.0	13.0	12.0	11.0	11.0	11.0	11.0
135°	10.0	10.0	11.0	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0
137.5°	9.0	9.0	10.0	9.0	10.0	9.0	9.0	8.0	9.0	9.0	9.0
140°	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	8.0	8.0	8.0
142.5°	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0
145°	6.0	6.0	6.0	5.0	5.0	4.0	5.0	5.0	6.0	6.0	6.0
147.5°	5.0	5.0	5.0	5.0	4.0	3.0	3.0	4.0	5.0	5.0	5.0
150°	4.0	5.0	5.0	4.0	3.0	2.0	2.0	3.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	1.0	2.0	3.0	3.0	3.0
155°	3.0	3.0	3.0	3.0	2.0	1.0	0.0	2.0	2.0	2.0	2.0
157.5°	3.0	3.0	3.0	2.0	1.0	0.0	0.0	1.0	2.0	1.0	1.0
160°	2.0	2.0	2.0	2.0	1.0	1.0	0.0	1.0	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)