

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: P416659

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7089 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 III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): 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

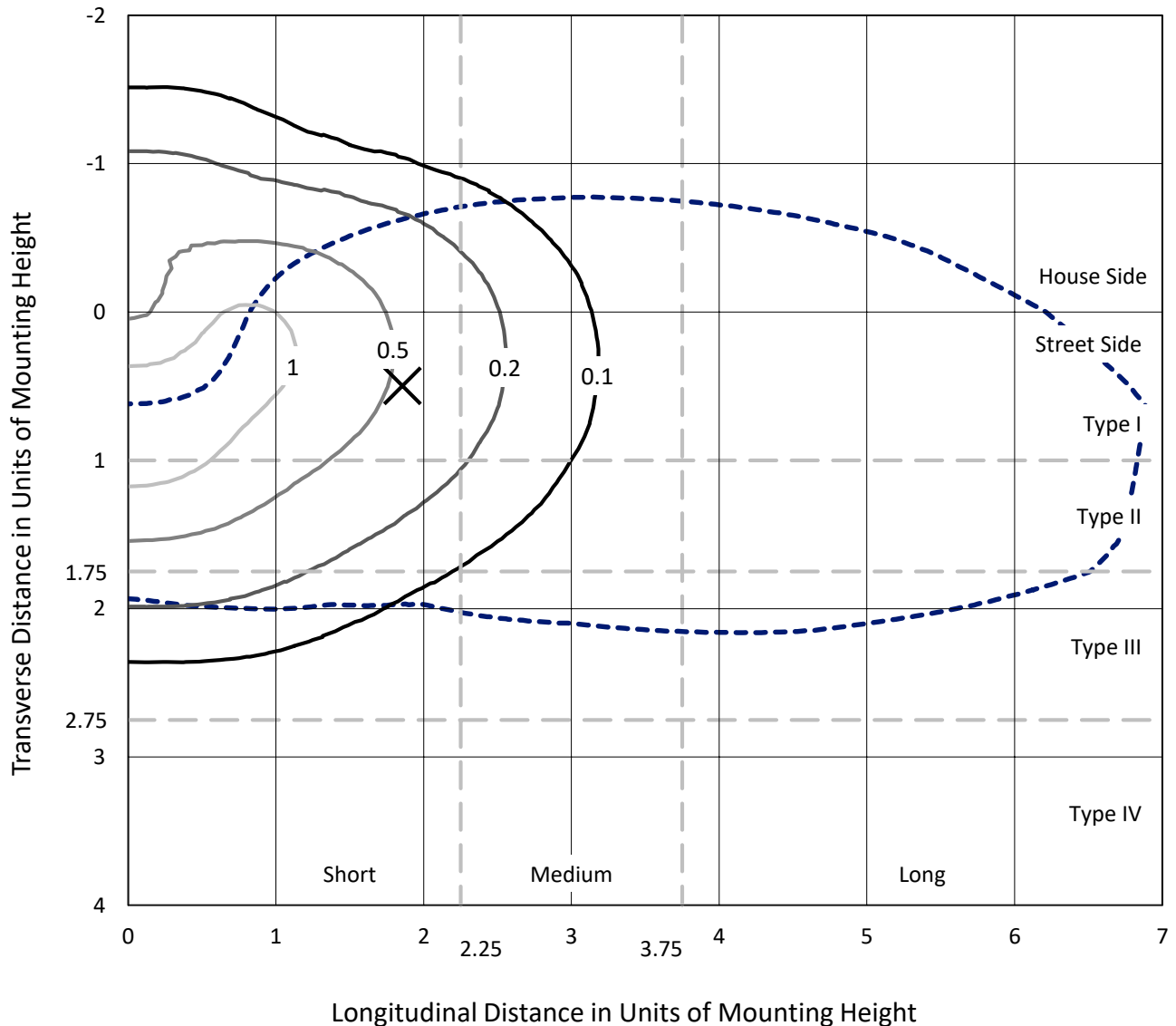


REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

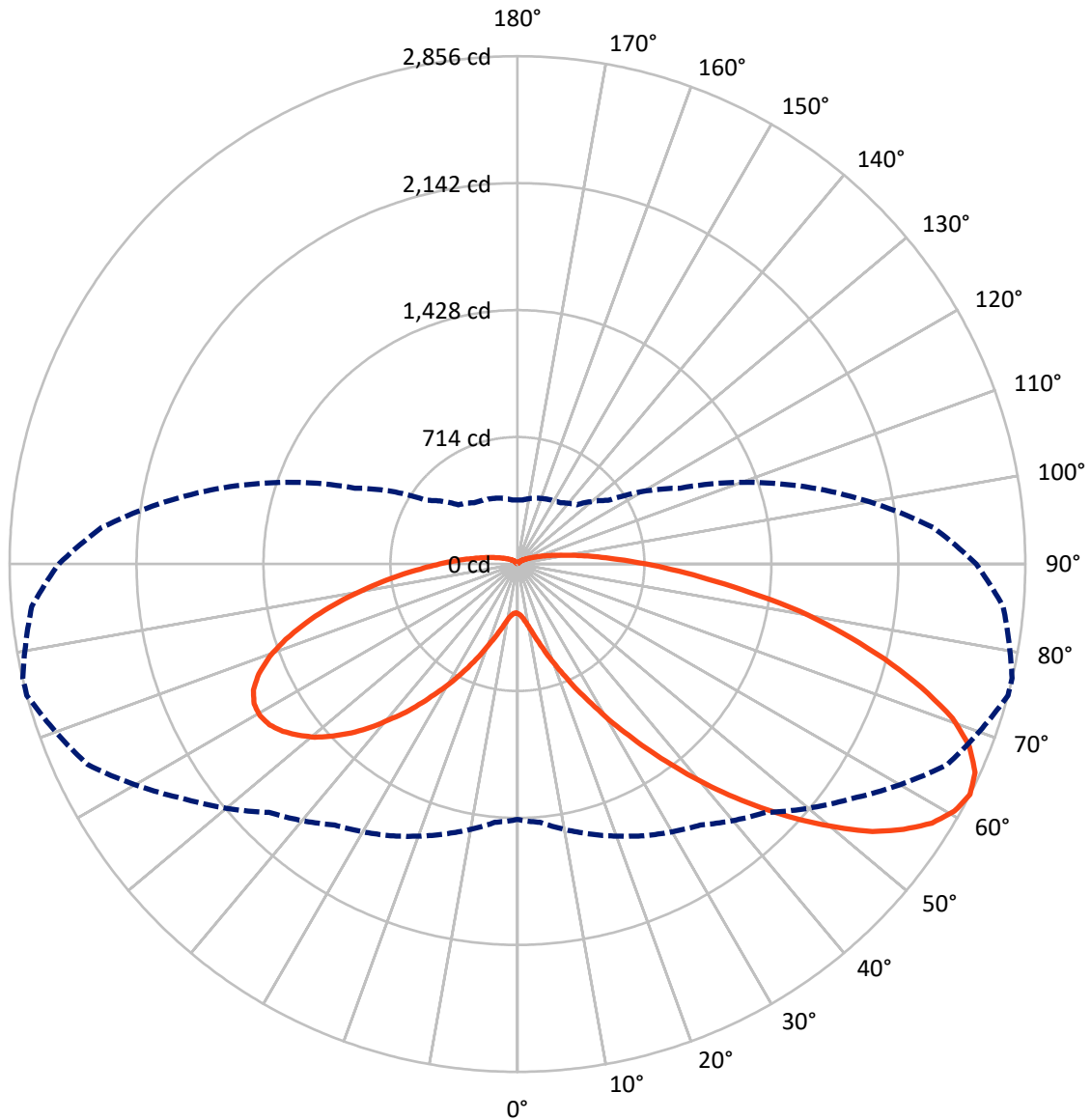


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

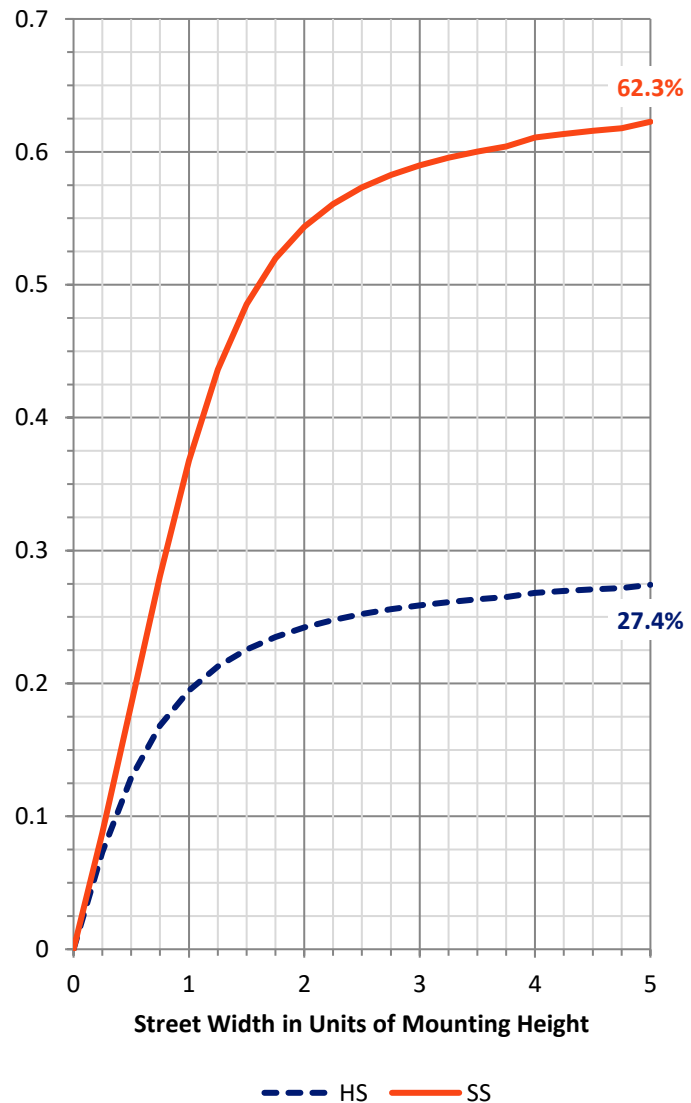
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.3	215.6	2242.9
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4550.2	296.0	4846.1
	% Fixture	64.2	4.2	68.4
Total	Lumens	6577.5	511.5	7089.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	0.4
10°-20°	123.3	1.7
20°-30°	319.2	4.5
30°-40°	653.2	9.2
40°-50°	1083.2	15.3
50°-60°	1405.3	19.8
60°-70°	1384.0	19.5
70°-80°	1017.0	14.3
80°-90°	562.8	7.9
90°-100°	265.8	3.7
100°-110°	127.0	1.8
110°-120°	64.8	0.9
120°-130°	33.6	0.5
130°-140°	15.4	0.2
140°-150°	4.5	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6577.5	92.8
0°-180°	7089.0	100.0



REPORT NUMBER: P416659

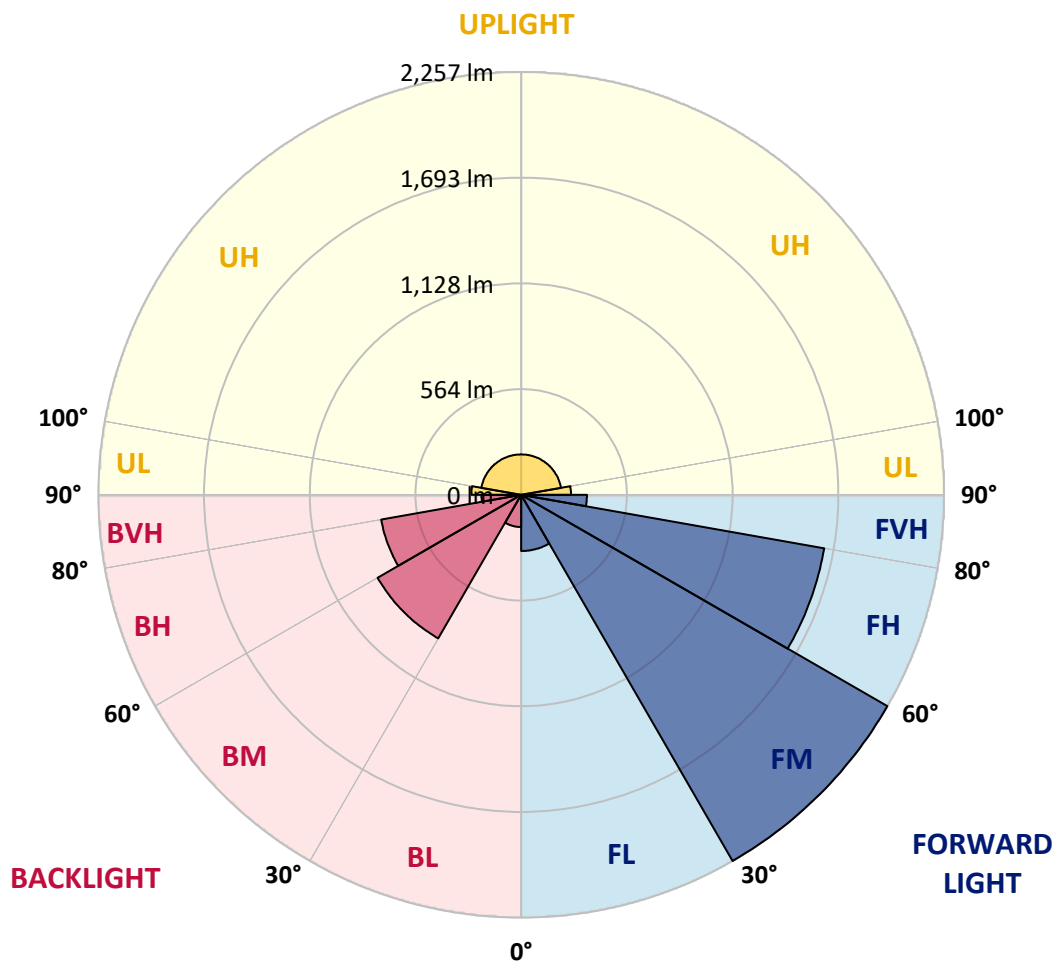
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.9	4.2			
FM	(30°-60°)	2256.8	31.8			
FH	(60°-80°)	1642.7	23.2			G1/1800
FVH	(80°-90°)	350.8	4.9			G3/500
BL	(0°-30°)	172.0	2.4	B1/500		
BM	(30°-60°)	884.9	12.5	B1/1000		
BH	(60°-80°)	758.3	10.7	B2/1000		G2/1000
BVH	(80°-90°)	212.0	3.0			G2/225
UL	(90°-100°)	265.8	3.7		U3/500	
UH	(100°-180°)	215.6	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	310.3	307.8	306.1	303.6	301.9	298.6	295.2	290.2	286.0	285.2	281.8
5°	342.9	338.7	338.7	334.5	328.7	324.5	317.8	309.4	302.8	298.6	295.2
7.5°	384.7	381.4	377.2	373.8	368.0	360.5	351.3	340.4	327.0	324.5	316.1
10°	431.5	429.9	426.5	419.8	412.3	402.3	389.7	376.3	361.3	358.8	344.6
12.5°	493.4	493.4	488.4	479.2	468.3	449.9	439.1	424.9	407.3	404.8	384.7
15°	569.5	566.2	559.5	543.6	531.1	516.0	502.6	484.2	460.8	456.6	438.2
17.5°	653.2	646.5	643.1	628.1	611.4	593.0	574.6	554.5	528.6	521.9	500.1
20°	746.8	751.0	738.5	721.8	696.7	678.3	657.4	631.4	603.0	598.0	572.0
22.5°	864.8	861.4	843.9	820.4	796.2	776.1	749.4	723.4	685.0	679.9	649.8
25°	995.2	991.9	969.3	940.0	912.4	876.5	845.5	817.9	786.1	778.6	742.7
27.5°	1123.2	1139.9	1105.6	1069.7	1037.0	996.9	960.1	925.0	889.0	883.2	845.5
30°	1298.0	1302.2	1262.0	1212.7	1168.4	1118.2	1079.7	1047.9	1017.0	997.7	963.5
32.5°	1480.3	1466.9	1435.1	1374.9	1304.7	1248.6	1206.0	1176.7	1147.4	1137.4	1087.2
35°	1661.0	1661.0	1611.6	1530.5	1438.5	1381.6	1339.8	1322.2	1295.5	1279.6	1223.6
37.5°	1838.3	1835.7	1785.6	1690.2	1595.7	1517.9	1491.2	1471.1	1452.7	1436.8	1368.2
40°	2013.0	2008.9	1948.6	1855.8	1745.4	1665.1	1643.4	1646.7	1625.0	1603.2	1534.7
42.5°	2153.5	2151.9	2104.2	2011.4	1879.2	1808.1	1786.4	1806.5	1796.4	1775.5	1695.2
45°	2265.6	2258.1	2220.5	2125.9	2006.4	1931.1	1936.9	1985.4	1973.7	1963.7	1864.2
47.5°	2312.5	2311.6	2290.7	2208.7	2098.4	2045.7	2079.1	2146.9	2151.0	2142.7	2031.4
50°	2299.9	2303.3	2301.6	2251.4	2161.1	2134.3	2198.7	2314.1	2327.5	2319.1	2204.6
52.5°	2226.3	2228.0	2255.6	2233.8	2182.8	2190.3	2304.9	2453.0	2499.8	2477.2	2357.6
55°	2070.8	2091.7	2146.0	2158.6	2151.9	2202.9	2368.5	2563.4	2634.4	2626.9	2490.6
57.5°	1910.2	1900.1	1977.9	2038.1	2073.3	2169.4	2389.4	2642.0	2749.0	2739.0	2609.3
60°	1676.0	1691.1	1786.4	1872.5	1947.0	2089.2	2370.2	2683.8	2823.4	2817.6	2696.3
62.5°	1436.8	1458.6	1571.5	1686.0	1792.3	1975.4	2298.2	2667.9	2856.1	2855.2	2742.3
65°	1211.8	1235.3	1339.0	1477.8	1613.3	1821.5	2172.8	2600.1	2828.5	2830.1	2734.0
67.5°	1012.0	1024.5	1133.2	1286.3	1418.4	1640.9	2011.4	2466.3	2741.5	2750.7	2667.1
70°	833.8	843.0	948.4	1084.7	1237.8	1439.3	1815.7	2294.9	2596.0	2599.3	2546.6
72.5°	684.1	692.5	793.7	914.9	1056.3	1262.9	1614.1	2060.7	2376.8	2410.3	2361.0
75°	547.0	563.7	650.7	768.6	894.9	1078.9	1400.9	1809.0	2131.0	2159.4	2151.9
77.5°	445.8	468.3	537.8	639.0	755.2	914.9	1187.6	1560.6	1870.9	1894.3	1900.1
80°	359.6	376.3	445.8	535.3	633.9	772.8	992.7	1318.1	1609.1	1611.6	1609.1
82.5°	291.9	304.4	366.3	447.4	534.4	649.8	832.1	1099.8	1319.7	1346.5	1351.5
85°	237.5	246.7	300.2	373.0	446.6	544.5	686.6	898.2	1072.2	1099.8	1090.6
87.5°	190.7	203.2	245.9	307.8	376.3	454.1	571.2	726.8	865.6	877.3	875.6
90°	156.4	160.6	203.2	255.9	317.8	377.2	466.7	585.4	689.1	710.0	695.8
92.5°	126.3	133.0	168.9	216.6	265.1	317.0	387.2	480.9	545.3	557.8	551.1
95°	106.2	109.6	142.2	181.5	223.3	270.1	319.5	383.9	431.5	435.7	437.4
97.5°	88.7	92.0	118.8	154.7	190.7	228.3	266.0	313.6	345.4	344.6	342.1
100°	76.1	77.8	102.0	134.6	166.4	194.0	223.3	252.6	271.8	277.7	268.5
102.5°	66.1	66.9	87.8	116.2	143.0	167.3	189.0	209.9	217.4	218.3	214.1
105°	58.5	59.4	76.9	100.4	124.6	143.0	159.7	172.3	175.6	175.6	170.6
107.5°	51.9	52.7	66.1	88.7	110.4	125.4	137.2	143.8	142.2	141.3	138.0
110°	47.7	47.7	58.5	78.6	96.2	109.6	118.8	119.6	115.4	115.4	112.1



REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	43.5	43.5	51.9	69.4	85.3	97.0	102.9	101.2	95.3	93.7	93.7
115°	40.1	40.1	46.0	61.1	76.1	85.3	89.5	85.3	78.6	77.8	76.9
117.5°	37.6	37.6	41.8	54.4	66.9	75.3	77.8	73.6	66.1	65.2	65.2
120°	35.1	35.1	38.5	47.7	59.4	66.1	67.7	62.7	55.2	55.2	56.0
122.5°	33.5	33.5	35.1	42.7	52.7	58.5	58.5	53.5	46.8	46.8	47.7
125°	31.8	31.8	32.6	37.6	46.0	51.0	50.2	44.3	40.1	40.1	41.0
127.5°	30.1	30.1	30.1	33.5	40.1	44.3	43.5	37.6	34.3	34.3	36.0
130°	28.4	28.4	27.6	29.3	34.3	37.6	36.0	31.8	29.3	29.3	30.9
132.5°	26.8	26.8	25.1	25.9	29.3	30.9	29.3	25.9	25.1	25.1	25.9
135°	25.1	24.3	23.4	22.6	24.3	25.1	23.4	20.9	20.9	20.9	22.6
137.5°	22.6	22.6	20.9	19.2	19.2	19.2	18.4	15.9	16.7	17.6	18.4
140°	20.9	20.9	19.2	16.7	15.1	15.1	13.4	12.5	13.4	14.2	15.1
142.5°	18.4	18.4	16.7	14.2	11.7	10.0	9.2	8.4	10.0	10.9	10.9
145°	15.9	15.9	14.2	10.9	8.4	5.9	5.0	5.9	6.7	7.5	8.4
147.5°	13.4	12.5	10.9	8.4	4.2	2.5	1.7	3.3	4.2	4.2	5.0
150°	10.0	10.0	8.4	5.9	2.5	0.0	0.8	1.7	2.5	2.5	3.3
152.5°	7.5	6.7	5.9	3.3	0.0	0.0	0.0	0.0	0.8	1.7	1.7
155°	4.2	4.2	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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



REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	280.2	277.7	274.3	271.8	269.3	266.0	264.3	261.8	261.8	261.8	263.4
5°	290.2	286.9	279.3	272.6	266.0	260.9	255.9	252.6	250.9	249.2	250.1
7.5°	308.6	304.4	292.7	281.0	271.8	262.6	255.9	250.1	247.6	246.7	246.7
10°	337.0	329.5	312.0	296.1	282.7	270.1	260.9	253.4	250.1	247.6	247.6
12.5°	375.5	364.6	343.7	322.0	301.9	285.2	271.8	266.0	263.4	261.8	262.6
15°	426.5	414.8	383.0	354.6	328.7	306.1	293.6	287.7	284.4	282.7	281.8
17.5°	485.9	469.2	430.7	393.9	361.3	336.2	320.3	311.1	305.3	301.9	302.8
20°	551.1	529.4	480.1	439.9	398.1	373.0	348.7	333.7	326.2	324.5	325.3
22.5°	624.7	602.2	545.3	486.7	443.3	405.6	376.3	357.1	347.9	347.1	347.1
25°	711.7	681.6	614.7	541.1	485.1	437.4	403.1	379.7	369.7	366.3	366.3
27.5°	810.4	770.3	687.5	603.0	526.1	465.8	425.7	398.9	388.1	385.5	385.5
30°	919.1	877.3	771.9	661.5	565.4	490.9	445.8	417.3	403.1	399.8	400.6
32.5°	1038.7	984.4	851.4	724.3	599.6	511.0	459.1	430.7	414.8	410.6	410.6
35°	1168.4	1104.8	945.9	785.3	632.3	526.9	469.2	439.9	422.3	418.2	417.3
37.5°	1313.9	1234.4	1043.7	841.3	658.2	536.9	475.9	445.8	426.5	420.7	419.8
40°	1466.1	1374.9	1134.1	892.4	679.9	542.8	477.5	448.3	428.2	419.0	418.2
42.5°	1608.3	1507.9	1236.9	939.2	693.3	545.3	476.7	447.4	426.5	414.0	413.1
45°	1765.5	1642.6	1331.4	981.9	701.7	543.6	473.4	443.3	423.2	407.3	405.6
47.5°	1930.2	1788.9	1418.4	1012.8	705.0	538.6	469.2	439.9	417.3	399.8	398.1
50°	2079.1	1914.4	1499.5	1037.0	703.4	531.1	462.5	434.9	412.3	392.2	390.6
52.5°	2224.6	2045.7	1563.1	1050.4	695.0	522.7	456.6	429.0	406.5	385.5	383.0
55°	2356.8	2149.4	1620.0	1056.3	684.1	511.8	448.3	424.0	401.4	378.9	376.3
57.5°	2458.8	2247.2	1661.8	1048.8	667.4	499.3	439.9	416.5	395.6	373.0	370.5
60°	2534.1	2311.6	1681.0	1034.5	648.2	485.1	429.9	409.0	389.7	368.0	365.5
62.5°	2579.2	2347.6	1676.8	1009.4	623.9	470.9	420.7	401.4	383.9	362.1	360.5
65°	2571.7	2333.4	1645.1	969.3	598.0	452.5	406.5	391.4	375.5	355.4	352.9
67.5°	2510.7	2275.7	1580.7	919.1	568.7	434.1	393.1	378.0	364.6	347.1	342.1
70°	2401.9	2169.4	1487.8	856.4	535.3	413.1	377.2	363.0	351.3	334.5	329.5
72.5°	2218.8	2014.7	1369.9	791.2	499.3	388.9	356.3	344.6	332.0	318.6	312.8
75°	2009.7	1820.7	1231.1	714.2	460.8	364.6	334.5	322.8	311.1	296.9	291.9
77.5°	1782.2	1600.7	1087.2	646.5	421.5	337.0	310.3	300.2	288.5	273.5	267.6
80°	1510.4	1365.7	934.2	568.7	382.2	310.3	285.2	274.3	261.8	247.6	241.7
82.5°	1265.4	1137.4	792.8	498.5	342.9	282.7	260.9	245.0	233.3	219.1	209.1
85°	1034.5	945.1	664.9	428.2	306.1	254.2	232.5	219.1	205.7	189.0	182.3
87.5°	832.1	756.0	546.1	369.7	270.1	226.6	206.6	193.2	178.1	160.6	154.7
90°	658.2	611.4	454.1	317.8	239.2	203.2	183.2	168.9	152.2	136.3	133.0
92.5°	521.9	489.3	375.5	270.1	210.8	179.8	161.4	147.2	130.5	114.6	109.6
95°	419.8	388.1	307.8	235.8	184.8	158.1	142.2	128.8	112.1	96.2	92.8
97.5°	335.4	310.3	252.6	198.2	162.2	140.5	126.3	112.1	95.3	81.1	79.5
100°	262.6	247.6	209.1	170.6	143.0	124.6	111.2	98.7	82.0	67.7	66.9
102.5°	209.9	201.6	174.0	147.2	125.4	110.4	99.5	86.1	71.1	57.7	56.9
105°	168.9	163.9	144.7	126.3	111.2	98.7	88.7	75.3	60.2	49.3	49.3
107.5°	137.2	133.0	121.3	107.9	97.9	88.7	77.8	66.1	51.9	42.7	42.7
110°	112.1	110.4	102.9	93.7	86.1	78.6	68.6	56.9	44.3	37.6	37.6



REPORT NUMBER: P416659

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	93.7	92.8	87.0	82.0	76.1	69.4	61.1	50.2	38.5	32.6	33.5
115°	77.8	77.8	74.4	71.1	66.9	61.9	53.5	42.7	32.6	29.3	29.3
117.5°	66.1	65.2	64.4	61.9	59.4	54.4	46.0	36.8	27.6	25.9	26.8
120°	56.9	56.9	55.2	54.4	51.9	46.8	40.1	30.9	23.4	23.4	23.4
122.5°	48.5	49.3	47.7	46.8	45.2	41.8	34.3	25.9	20.9	20.1	20.9
125°	42.7	42.7	41.8	41.0	39.3	35.1	29.3	21.7	17.6	18.4	18.4
127.5°	36.0	36.8	36.0	35.1	34.3	30.1	24.3	17.6	15.1	15.9	15.9
130°	31.8	31.8	30.9	30.1	28.4	25.1	20.1	14.2	13.4	14.2	14.2
132.5°	26.8	26.8	26.8	25.1	23.4	20.9	15.9	11.7	10.9	12.5	12.5
135°	22.6	22.6	22.6	20.9	19.2	15.9	11.7	9.2	9.2	10.9	10.9
137.5°	18.4	19.2	18.4	16.7	15.1	12.5	9.2	6.7	7.5	9.2	9.2
140°	15.1	15.1	14.2	13.4	10.9	8.4	5.9	5.0	6.7	7.5	7.5
142.5°	11.7	11.7	10.9	9.2	7.5	5.9	3.3	3.3	5.0	5.9	5.9
145°	8.4	8.4	7.5	5.9	4.2	2.5	0.8	1.7	3.3	4.2	4.2
147.5°	5.0	5.0	5.0	4.2	2.5	0.8	0.0	0.8	1.7	2.5	2.5
150°	3.3	3.3	3.3	2.5	1.7	0.0	0.0	0.0	0.8	1.7	1.7
152.5°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	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

(END OF REPORT)