

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: P416957

Luminaire Tested: **LXF.LXT-PA1-80-830-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6758 lumens
Efficiency: N/A
Efficacy: 81.4 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: B1 - U3 - G3

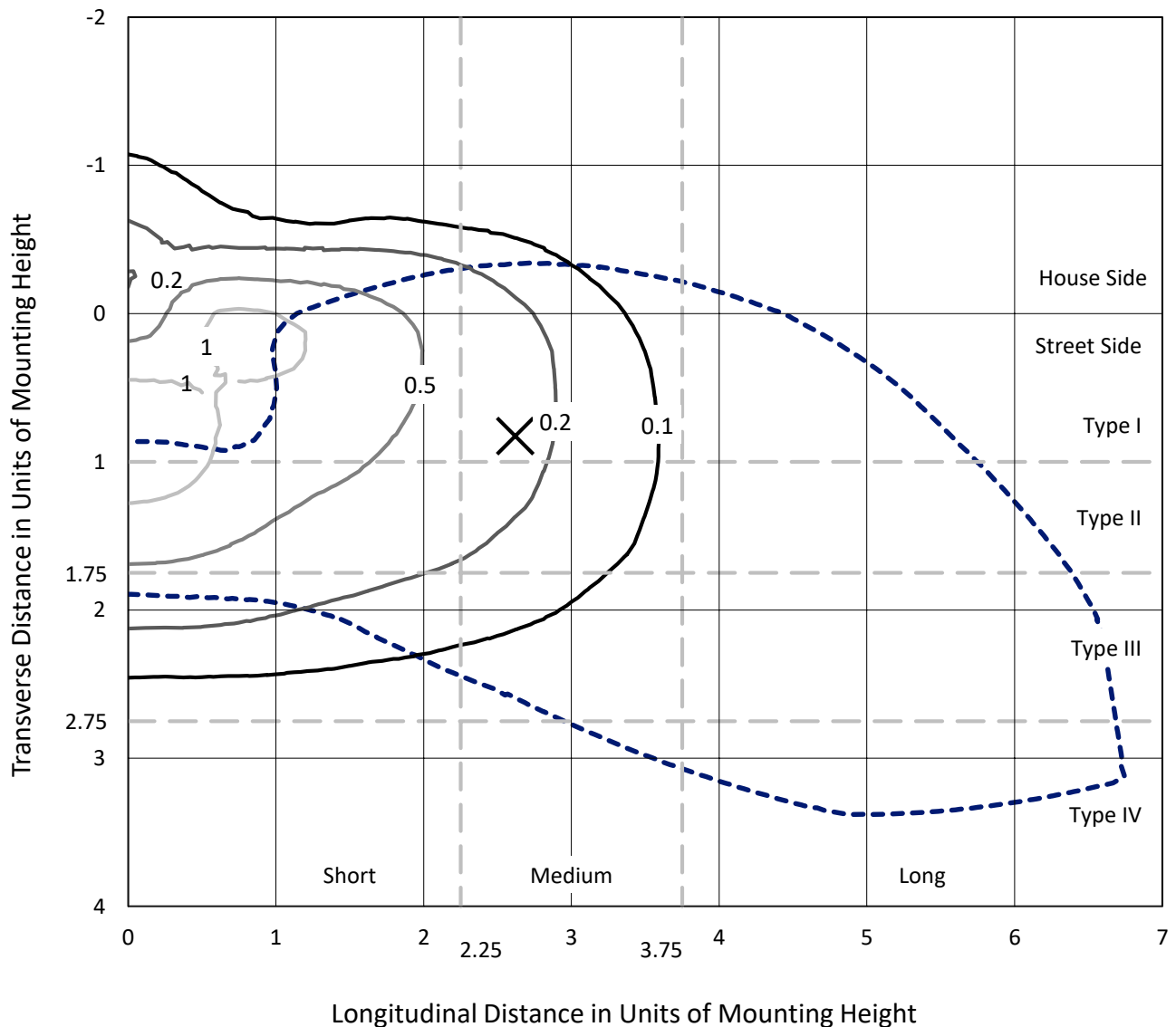
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416957
 CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

Iso-Footcandle Lines of Horizontal Illumination

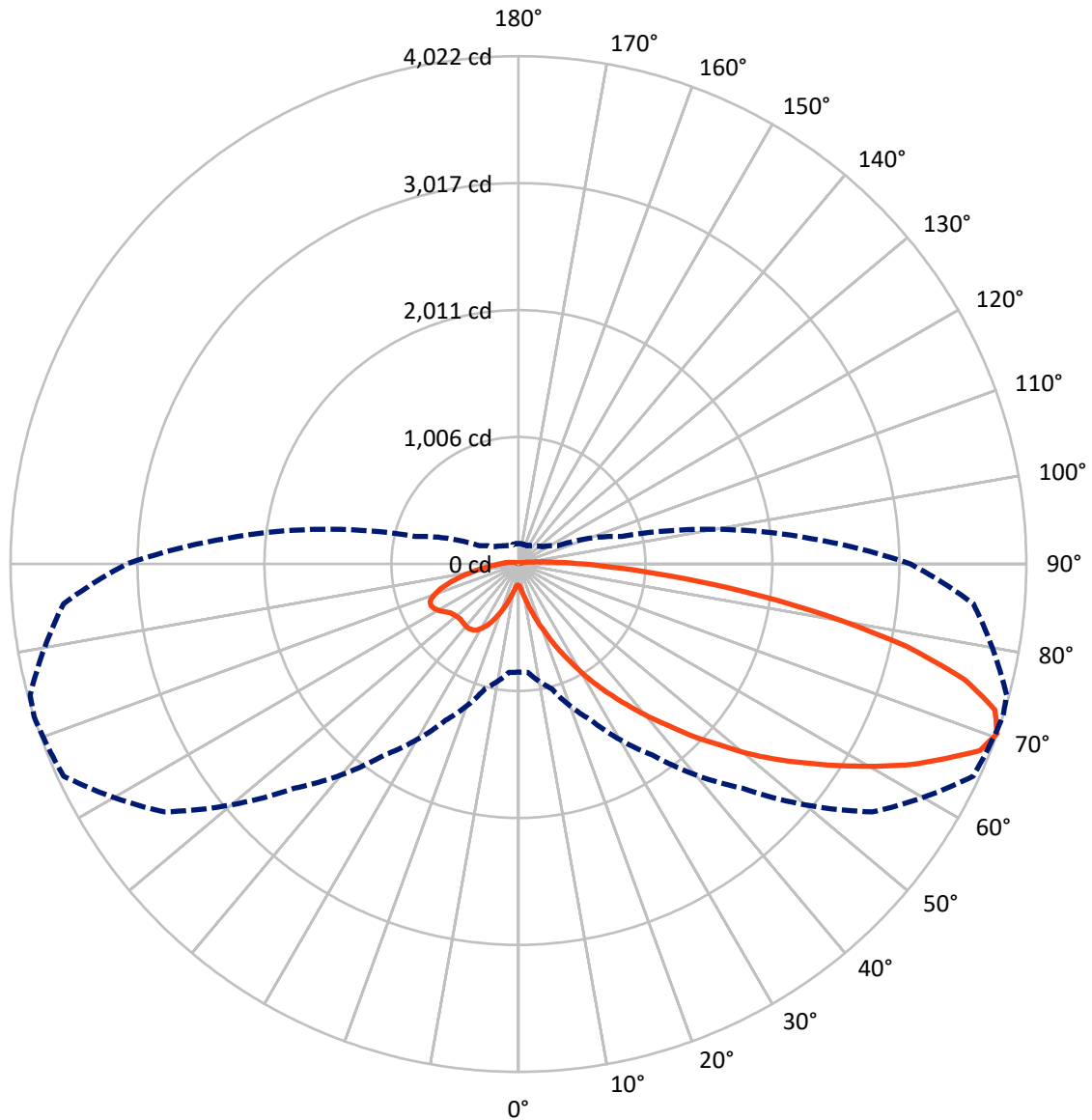
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416957
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P416957

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

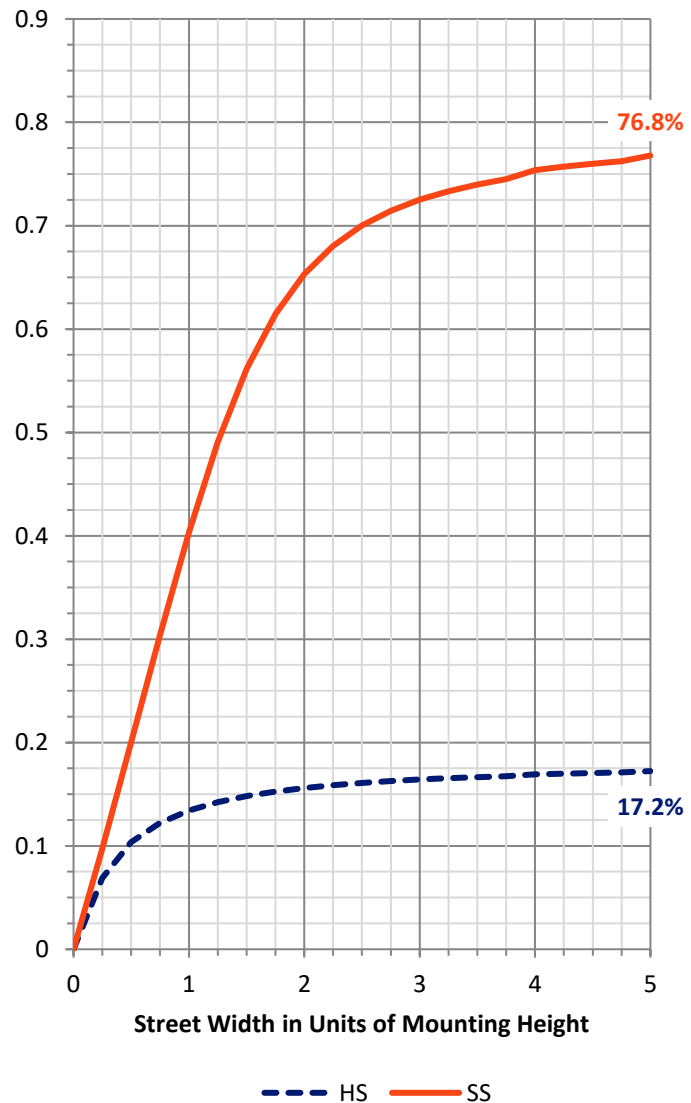
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1214.9	110.2	1325.1
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5305.7	127.3	5432.9
	% Fixture	78.5	1.9	80.4
Total	Lumens	6520.5	237.5	6758.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	91.5	1.4
20°-30°	255.3	3.8
30°-40°	529.3	7.8
40°-50°	914.2	13.5
50°-60°	1350.1	20.0
60°-70°	1593.6	23.6
70°-80°	1264.7	18.7
80°-90°	502.8	7.4
90°-100°	132.9	2.0
100°-110°	51.3	0.8
110°-120°	25.0	0.4
120°-130°	14.2	0.2
130°-140°	8.3	0.1
140°-150°	3.9	0.1
150°-160°	1.3	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6520.5	96.5
0°-180°	6758.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416957

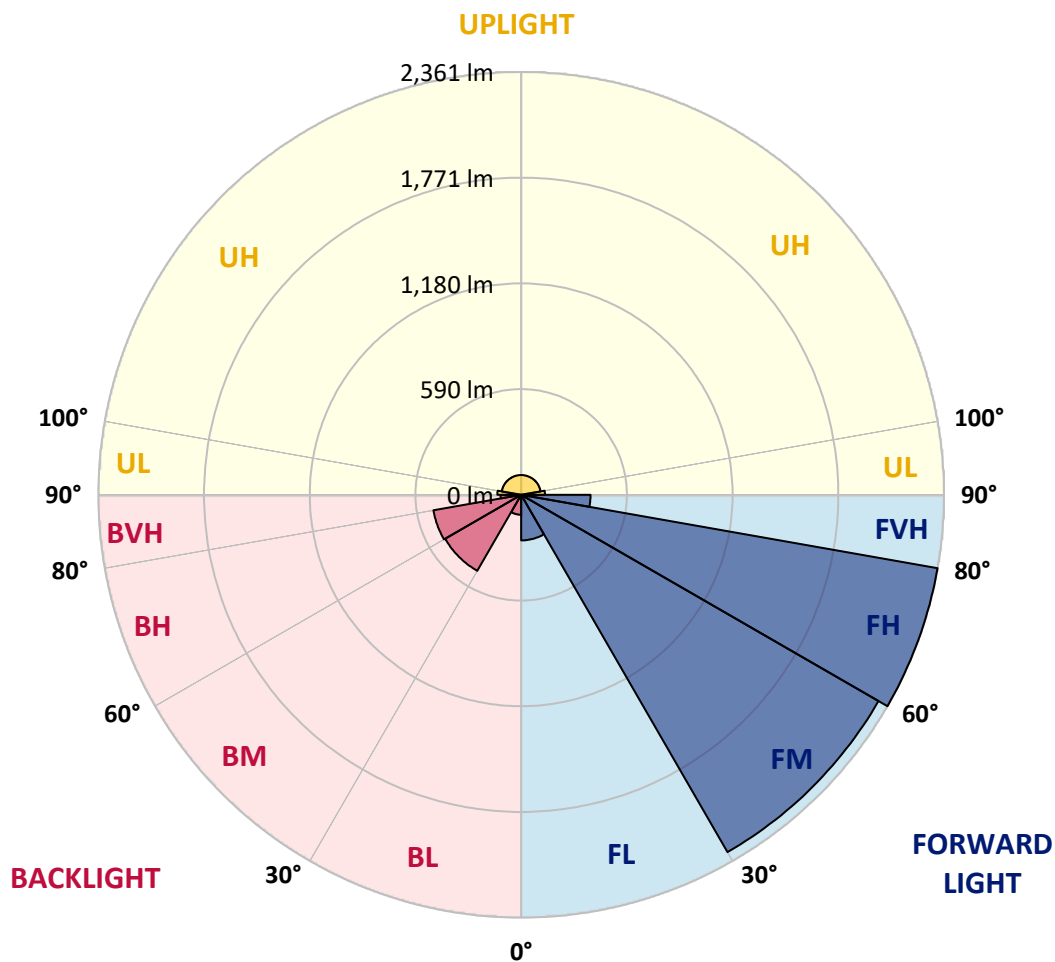
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.4	3.8			
FM	(30°-60°)	2303.4	34.1			
FH	(60°-80°)	2360.7	34.9			G2/5000
FVH	(80°-90°)	387.2	5.7			G3/500
BL	(0°-30°)	111.5	1.6	B1/500		
BM	(30°-60°)	490.2	7.3	B1/1000		
BH	(60°-80°)	497.6	7.4	B1/500		G1/500
BVH	(80°-90°)	115.6	1.7			G2/225
UL	(90°-100°)	132.9	2.0		U3/500	
UH	(100°-180°)	110.2	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P416957

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3
2.5°	189.9	190.7	189.9	189.9	188.3	187.5	182.8	179.6	177.2	175.6	173.2
5°	220.1	221.7	220.9	220.9	216.9	214.5	209.0	202.6	197.9	197.1	189.9
7.5°	260.6	259.8	256.7	255.9	254.3	250.3	242.4	232.8	228.1	226.5	216.1
10°	310.7	306.7	308.3	302.7	299.6	293.2	286.1	278.9	269.4	269.4	255.1
12.5°	360.8	369.5	367.1	359.2	352.8	342.5	333.7	331.4	320.2	321.8	308.3
15°	442.6	441.8	434.7	429.1	416.4	403.7	395.7	390.2	387.0	384.6	369.5
17.5°	529.2	524.4	518.9	502.2	483.9	472.8	465.6	460.1	464.1	463.3	445.0
20°	629.3	623.8	615.8	585.6	561.8	544.3	540.3	546.7	549.1	555.4	537.2
22.5°	740.6	738.2	719.1	685.0	644.4	621.4	617.4	632.5	650.8	654.0	641.3
25°	874.1	870.9	844.7	795.4	742.2	707.2	707.2	731.0	761.2	768.4	762.0
27.5°	1017.1	1009.2	975.0	914.6	841.5	796.2	790.6	833.5	875.7	896.3	888.4
30°	1181.6	1180.0	1123.6	1049.7	962.3	890.0	887.6	950.4	1009.9	1019.5	1021.1
32.5°	1350.8	1364.3	1299.2	1188.7	1083.1	998.0	994.1	1064.8	1147.4	1164.1	1164.1
35°	1546.3	1547.1	1466.8	1357.2	1212.6	1115.6	1104.5	1188.7	1280.9	1304.0	1316.7
37.5°	1743.4	1738.6	1666.3	1515.3	1353.2	1236.4	1226.1	1325.4	1430.3	1467.6	1465.3
40°	1937.3	1950.8	1859.4	1692.5	1497.0	1378.6	1353.2	1470.0	1590.8	1632.9	1616.2
42.5°	2146.2	2143.1	2061.2	1875.3	1657.6	1516.1	1501.0	1621.8	1756.1	1803.8	1788.7
45°	2329.0	2327.4	2238.4	2052.5	1810.9	1675.0	1654.4	1782.3	1950.8	1995.3	1964.3
47.5°	2497.5	2493.5	2401.3	2212.2	1945.2	1826.8	1828.4	1959.5	2138.3	2211.4	2163.7
50°	2627.8	2614.3	2556.3	2352.0	2090.6	1986.5	2016.7	2170.9	2361.6	2427.5	2375.9
52.5°	2697.7	2677.0	2631.7	2449.8	2228.1	2144.7	2202.7	2385.4	2573.7	2636.5	2580.1
55°	2664.3	2664.3	2638.9	2509.4	2325.8	2289.3	2406.1	2590.4	2786.7	2855.8	2805.8
57.5°	2530.0	2550.7	2562.6	2493.5	2393.4	2432.3	2617.4	2824.0	3012.4	3088.6	3022.7
60°	2294.8	2300.4	2387.8	2407.7	2420.4	2553.9	2836.8	3083.1	3252.3	3312.7	3238.0
62.5°	1961.9	1988.1	2094.6	2241.6	2380.7	2654.8	3067.2	3343.7	3496.3	3536.8	3427.9
65°	1591.6	1585.2	1782.3	2002.4	2271.0	2684.2	3253.1	3596.4	3714.8	3768.8	3579.7
67.5°	1207.0	1203.0	1385.0	1707.6	2085.1	2653.2	3404.1	3810.9	3941.3	3942.9	3675.1
70°	855.8	862.2	1023.5	1365.9	1845.1	2511.8	3422.4	3974.6	4022.3	4003.2	3617.1
72.5°	580.9	585.6	739.0	1046.5	1527.2	2282.9	3269.8	3957.2	3946.0	3892.8	3378.7
75°	374.3	406.0	519.7	795.4	1236.4	1953.2	2973.4	3706.9	3648.8	3560.6	2964.7
77.5°	258.2	274.1	361.5	579.3	966.2	1613.1	2553.1	3203.9	3143.5	3035.4	2390.2
80°	174.8	182.0	248.7	433.1	760.4	1268.2	2080.3	2579.3	2475.2	2364.0	1792.6
82.5°	116.8	130.3	178.8	310.7	575.3	979.0	1582.1	1969.8	1804.6	1708.4	1259.5
85°	77.9	85.0	127.1	225.7	416.4	712.8	1138.7	1338.1	1192.7	1107.7	804.9
87.5°	52.4	58.8	90.6	161.3	308.3	518.1	762.8	864.5	747.7	694.5	487.1
90°	35.0	38.9	66.7	116.0	217.7	361.5	514.9	534.0	458.5	425.9	298.0
92.5°	24.6	28.6	50.1	85.8	152.6	251.1	330.6	323.4	270.2	254.3	192.3
95°	19.1	22.2	38.9	66.0	111.2	172.4	215.3	197.1	170.8	165.3	132.7
97.5°	16.7	18.3	32.6	53.2	84.2	122.4	139.9	133.5	115.2	112.0	96.9
100°	15.1	16.7	28.6	46.1	67.5	89.8	100.1	93.0	83.4	81.1	71.5
102.5°	14.3	15.1	25.4	39.7	55.6	70.7	77.1	69.1	62.0	61.2	54.8
105°	13.5	14.3	22.2	34.2	46.9	58.0	60.4	54.0	48.5	46.1	41.3
107.5°	12.7	12.7	19.9	30.2	40.5	48.5	50.1	43.7	37.3	35.8	32.6
110°	11.9	12.7	18.3	27.0	35.8	42.1	42.1	35.8	29.4	27.8	26.2



REPORT NUMBER: P416957

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.9	11.9	16.7	23.8	31.8	36.6	35.8	29.4	23.8	21.5	21.5
115°	11.1	11.9	15.9	22.2	28.6	31.8	30.2	24.6	19.1	17.5	18.3
117.5°	11.1	11.9	14.3	19.9	25.4	27.8	26.2	20.7	15.9	15.1	16.7
120°	11.1	11.9	14.3	18.3	22.2	24.6	23.0	17.5	14.3	13.5	15.1
122.5°	11.9	11.9	13.5	16.7	20.7	22.2	19.9	15.1	12.7	11.9	13.5
125°	11.9	11.9	13.5	15.9	19.1	19.9	17.5	13.5	11.1	11.1	12.7
127.5°	11.9	11.9	13.5	15.1	17.5	17.5	15.9	11.9	10.3	10.3	11.9
130°	11.9	11.9	12.7	14.3	15.9	15.9	13.5	10.3	9.5	9.5	11.1
132.5°	12.7	12.7	12.7	13.5	14.3	14.3	11.9	9.5	8.7	8.7	11.1
135°	11.9	11.9	11.9	12.7	12.7	12.7	10.3	8.7	7.9	8.7	10.3
137.5°	11.1	11.1	11.9	11.9	11.9	11.1	8.7	7.2	7.2	7.9	9.5
140°	11.1	10.3	11.1	11.1	10.3	9.5	7.9	6.4	6.4	7.2	7.9
142.5°	9.5	9.5	9.5	9.5	8.7	7.9	6.4	5.6	6.4	6.4	7.2
145°	8.7	8.7	8.7	7.9	7.9	6.4	4.8	4.8	4.8	5.6	6.4
147.5°	7.2	7.2	7.2	7.2	6.4	5.6	3.2	4.0	4.0	4.0	4.8
150°	5.6	5.6	6.4	5.6	4.8	4.0	2.4	3.2	4.0	4.0	4.0
152.5°	4.8	4.8	4.8	4.8	4.0	2.4	2.4	3.2	3.2	3.2	4.0
155°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	1.6	1.6	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	1.6	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P416957

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3	169.3
2.5°	171.6	170.0	166.9	163.7	161.3	158.9	157.3	154.9	153.4	153.4	153.4
5°	185.1	183.6	175.6	167.7	160.5	154.2	149.4	143.8	141.4	139.1	139.9
7.5°	212.2	206.6	193.9	180.4	168.5	155.7	146.2	138.3	133.5	130.3	130.3
10°	248.7	240.0	220.9	200.2	180.4	162.1	147.8	136.7	128.7	125.5	125.5
12.5°	295.6	286.9	257.5	226.5	196.3	170.0	151.8	137.5	128.7	124.8	124.8
15°	358.4	343.3	303.5	259.0	215.3	179.6	155.7	143.8	138.3	135.9	135.9
17.5°	433.1	410.8	359.2	292.4	234.4	189.1	166.1	154.9	150.2	149.4	149.4
20°	520.5	492.7	414.8	325.8	249.5	201.0	174.8	165.3	163.7	164.5	164.5
22.5°	619.8	579.3	472.0	356.0	263.8	208.2	181.2	173.2	174.8	178.8	178.0
25°	724.7	681.8	534.8	383.0	273.3	211.4	185.1	180.4	186.7	191.5	191.5
27.5°	847.1	780.3	592.0	402.1	275.7	209.0	185.9	183.6	192.3	199.4	201.0
30°	971.8	886.0	641.3	414.0	271.0	203.4	182.8	184.3	194.7	204.2	205.0
32.5°	1098.2	986.1	681.8	416.4	263.0	196.3	179.6	182.8	193.9	204.2	205.8
35°	1223.7	1079.9	708.8	407.6	250.3	189.1	174.0	179.6	190.7	202.6	204.2
37.5°	1346.9	1168.9	725.5	393.3	237.6	182.8	170.0	175.6	186.7	200.2	201.8
40°	1481.2	1264.2	735.0	376.6	224.9	177.2	167.7	173.2	184.3	197.1	199.4
42.5°	1604.3	1351.6	735.8	356.0	215.3	174.8	166.1	170.8	181.2	194.7	197.1
45°	1764.8	1441.4	735.8	338.5	209.0	174.0	166.1	170.0	179.6	193.9	197.1
47.5°	1916.6	1544.7	737.4	323.4	205.8	175.6	167.7	169.3	177.2	193.9	197.1
50°	2093.0	1644.0	750.1	312.3	205.0	178.8	170.0	168.5	174.8	192.3	196.3
52.5°	2268.6	1775.2	766.0	304.3	206.6	182.0	171.6	168.5	172.4	188.3	193.1
55°	2460.9	1899.9	783.5	305.1	209.8	185.1	174.0	167.7	169.3	182.0	186.7
57.5°	2653.2	2046.1	821.6	309.9	213.8	189.1	176.4	167.7	165.3	174.8	178.8
60°	2821.7	2174.8	861.4	320.2	219.3	193.1	178.0	166.9	162.1	167.7	170.8
62.5°	2999.7	2315.5	893.1	329.0	225.7	196.3	178.0	166.1	159.7	163.7	165.3
65°	3115.7	2398.9	909.8	340.1	232.0	198.7	178.8	164.5	158.9	161.3	162.9
67.5°	3175.3	2412.4	898.7	344.1	237.6	200.2	178.0	162.9	159.7	161.3	162.9
70°	3104.5	2322.6	845.5	341.7	239.2	200.2	176.4	161.3	159.7	162.1	162.9
72.5°	2848.7	2106.5	766.8	329.8	236.8	197.1	174.0	158.9	158.9	162.9	162.9
75°	2453.0	1795.8	663.5	311.5	230.4	192.3	169.3	154.9	156.5	162.1	162.1
77.5°	1964.3	1420.8	546.7	285.3	218.5	184.3	162.9	149.4	153.4	159.7	158.9
80°	1462.1	1058.4	440.2	255.9	202.6	173.2	154.2	143.0	148.6	154.2	152.6
82.5°	974.2	743.0	348.0	224.9	185.9	162.1	144.6	134.3	141.4	147.0	144.6
85°	632.5	495.0	269.4	193.9	168.5	149.4	132.7	124.8	131.9	136.7	134.3
87.5°	394.1	332.1	205.0	165.3	150.2	135.1	122.4	113.6	120.8	125.5	122.4
90°	260.6	222.5	161.3	143.0	133.5	121.6	109.7	103.3	110.5	112.0	109.7
92.5°	171.6	157.3	131.1	122.4	117.6	108.1	99.3	93.8	99.3	100.1	98.5
95°	123.2	119.2	108.1	106.5	104.1	96.1	89.0	84.2	87.4	88.2	85.0
97.5°	93.8	93.0	92.2	92.2	90.6	85.0	78.7	74.7	76.3	75.5	73.1
100°	73.1	74.7	77.1	78.7	77.9	73.9	69.1	66.0	66.7	63.6	61.2
102.5°	57.2	60.4	64.4	66.7	66.7	63.6	61.2	58.0	55.6	51.6	50.9
105°	45.3	47.7	53.2	57.2	57.2	55.6	53.2	49.3	46.9	42.1	42.1
107.5°	35.8	38.9	45.3	48.5	49.3	47.7	46.1	42.9	38.9	34.2	34.2
110°	28.6	31.0	38.1	41.3	42.1	41.3	39.7	35.8	31.8	28.6	28.6



REPORT NUMBER: P416957

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	26.2	31.8	35.0	36.6	35.8	34.2	30.2	26.2	23.8	23.8
115°	20.7	23.0	27.0	30.2	31.0	31.0	28.6	26.2	21.5	20.7	20.7
117.5°	18.3	19.9	23.8	26.2	27.8	27.0	24.6	22.2	19.1	18.3	18.3
120°	16.7	18.3	21.5	23.8	23.8	23.0	21.5	19.1	16.7	15.9	16.7
122.5°	15.1	16.7	19.1	20.7	20.7	20.7	19.1	16.7	14.3	14.3	15.1
125°	14.3	15.1	17.5	18.3	19.1	18.3	16.7	14.3	12.7	13.5	13.5
127.5°	13.5	14.3	15.9	16.7	16.7	15.9	14.3	12.7	11.1	11.9	12.7
130°	12.7	13.5	14.3	15.1	15.1	14.3	12.7	11.1	10.3	11.1	11.1
132.5°	11.1	11.9	12.7	13.5	12.7	12.7	11.1	9.5	9.5	10.3	10.3
135°	10.3	11.1	11.1	11.9	11.1	11.1	9.5	8.7	8.7	9.5	9.5
137.5°	9.5	10.3	10.3	10.3	9.5	9.5	8.7	7.9	7.9	7.9	8.7
140°	8.7	8.7	8.7	8.7	7.9	7.9	7.2	6.4	7.2	7.2	7.2
142.5°	7.9	7.9	7.9	7.2	7.2	6.4	5.6	5.6	6.4	6.4	6.4
145°	6.4	6.4	6.4	5.6	5.6	4.8	4.8	4.8	5.6	5.6	5.6
147.5°	5.6	5.6	5.6	4.8	4.0	4.0	4.0	4.0	4.8	4.8	4.8
150°	4.8	4.8	4.8	4.0	3.2	3.2	2.4	3.2	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	3.2	3.2	3.2	3.2
155°	3.2	3.2	4.0	3.2	2.4	0.8	1.6	2.4	2.4	2.4	2.4
157.5°	3.2	3.2	3.2	2.4	1.6	0.8	1.6	1.6	2.4	1.6	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	0.8	0.8	0.8
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)