

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: P416801

Luminaire Tested: **LXF.LXT-PA1-80-750-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416801
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-PA1-80-750-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 8505 lumens
Efficiency: N/A
Efficacy: 102.5 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

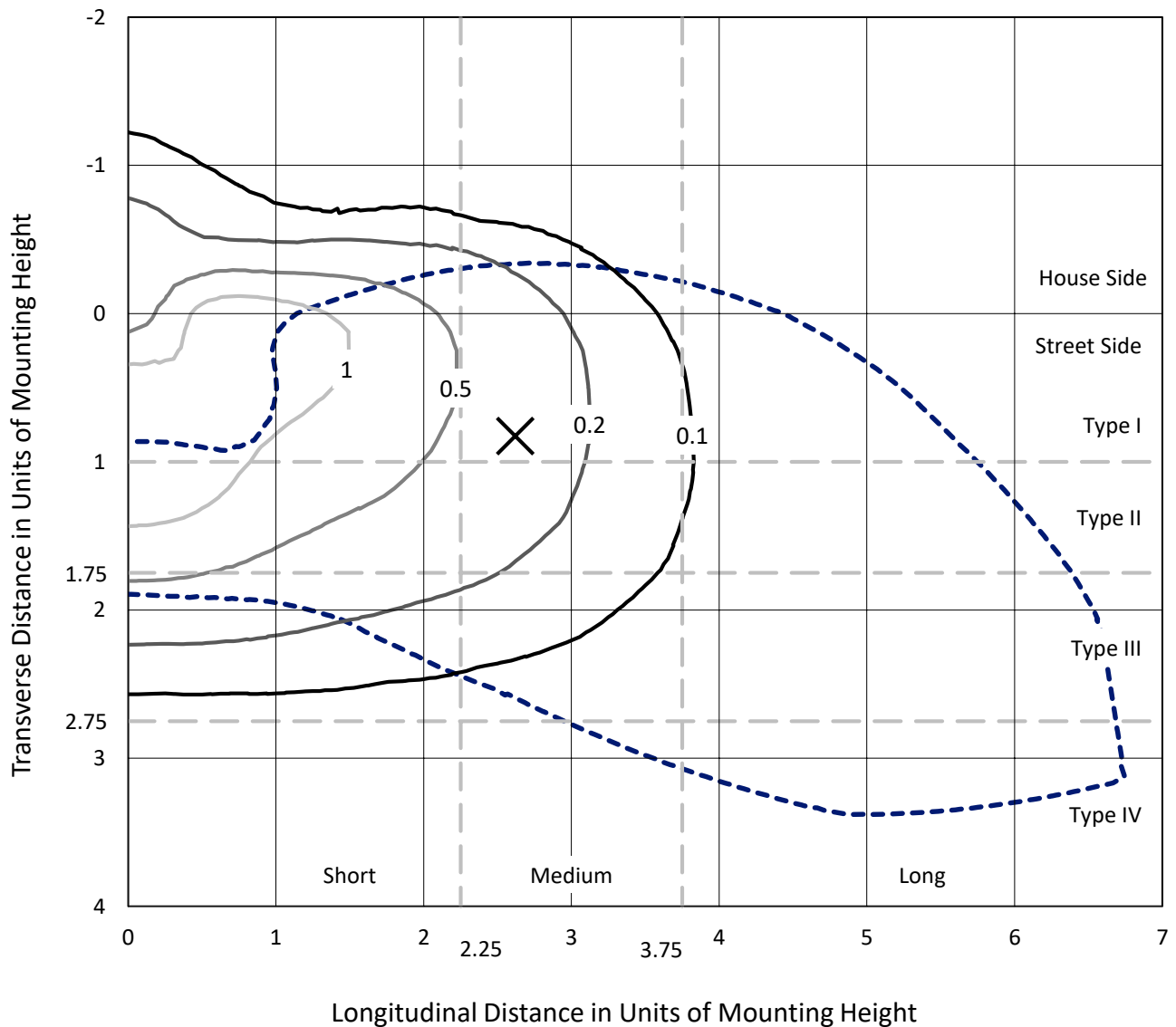
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

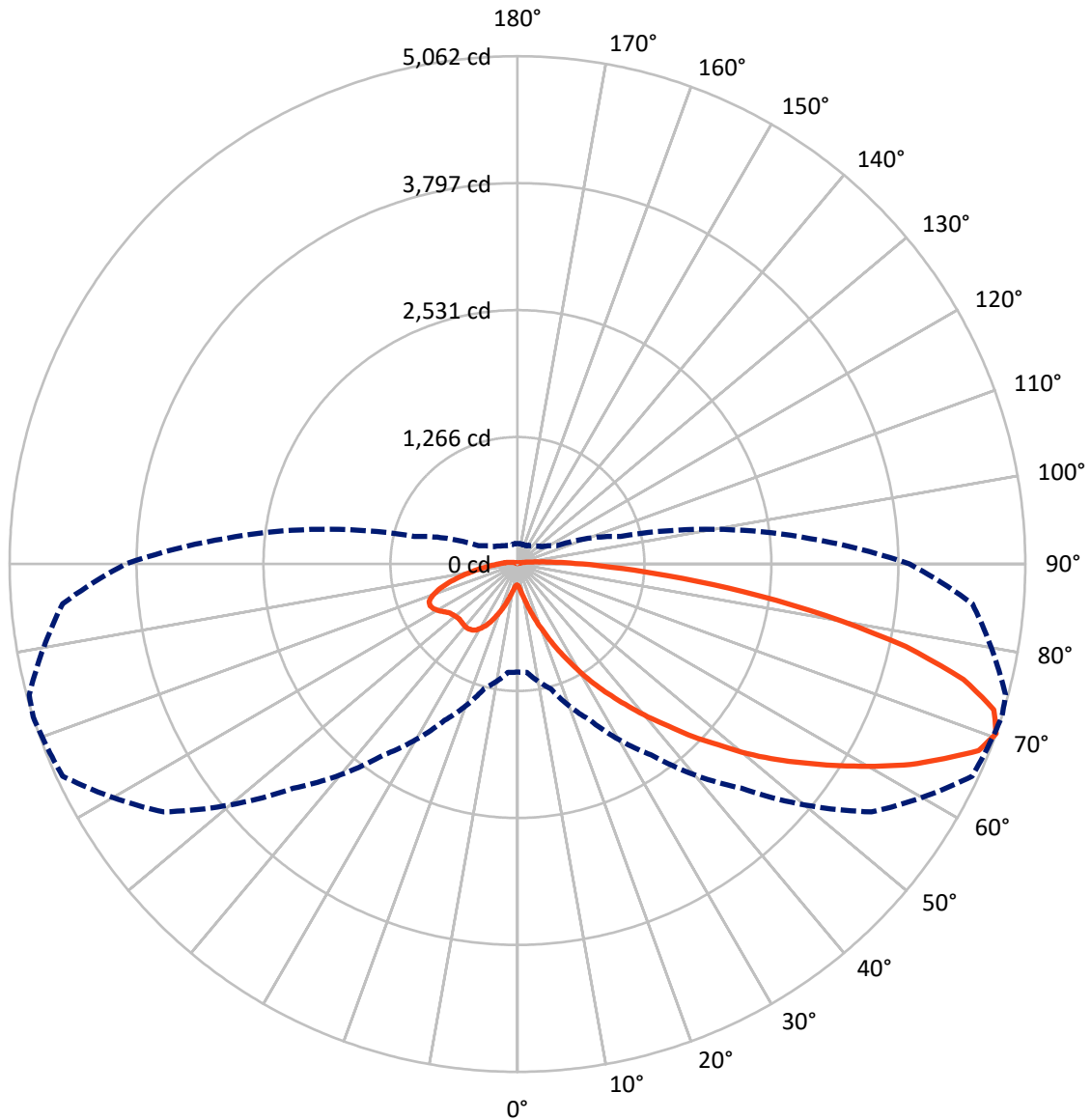
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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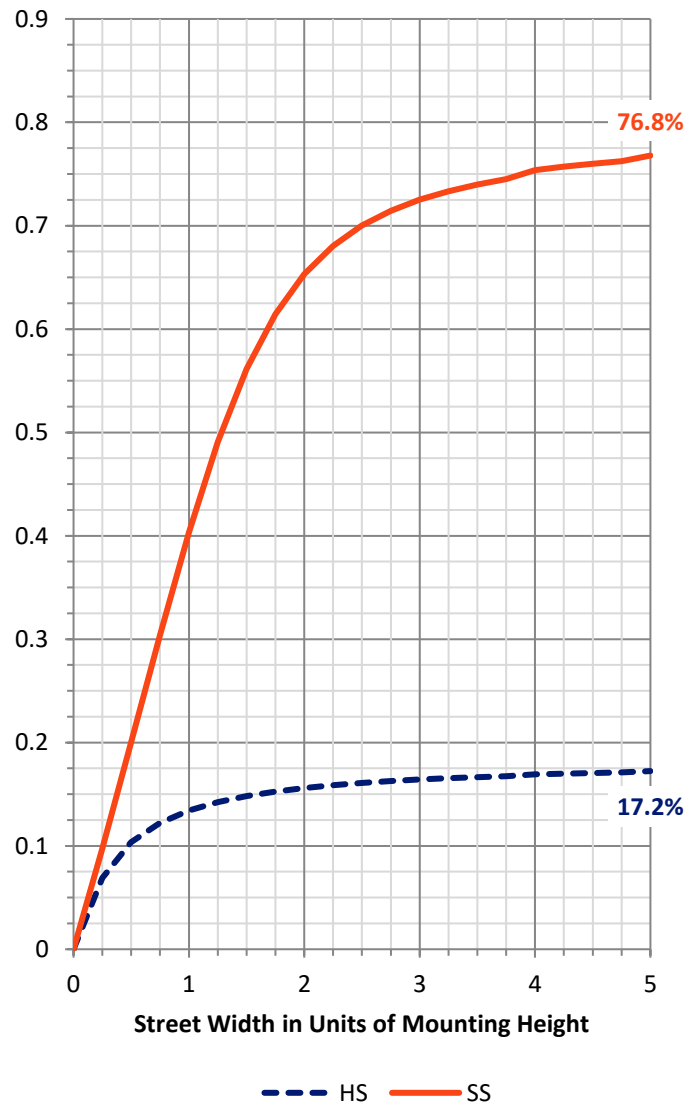
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1528.9	138.7	1667.6
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	6677.2	160.1	6837.4
	% Fixture	78.5	1.9	80.4
Total	Lumens	8206.1	298.8	8505.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	0.3
10°-20°	115.1	1.4
20°-30°	321.3	3.8
30°-40°	666.1	7.8
40°-50°	1150.6	13.5
50°-60°	1699.2	20.0
60°-70°	2005.5	23.6
70°-80°	1591.6	18.7
80°-90°	632.8	7.4
90°-100°	167.2	2.0
100°-110°	64.5	0.8
110°-120°	31.4	0.4
120°-130°	17.8	0.2
130°-140°	10.5	0.1
140°-150°	5.0	0.1
150°-160°	1.6	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	8206.1	96.5
0°-180°	8505.0	100.0

Coefficient of Utilization



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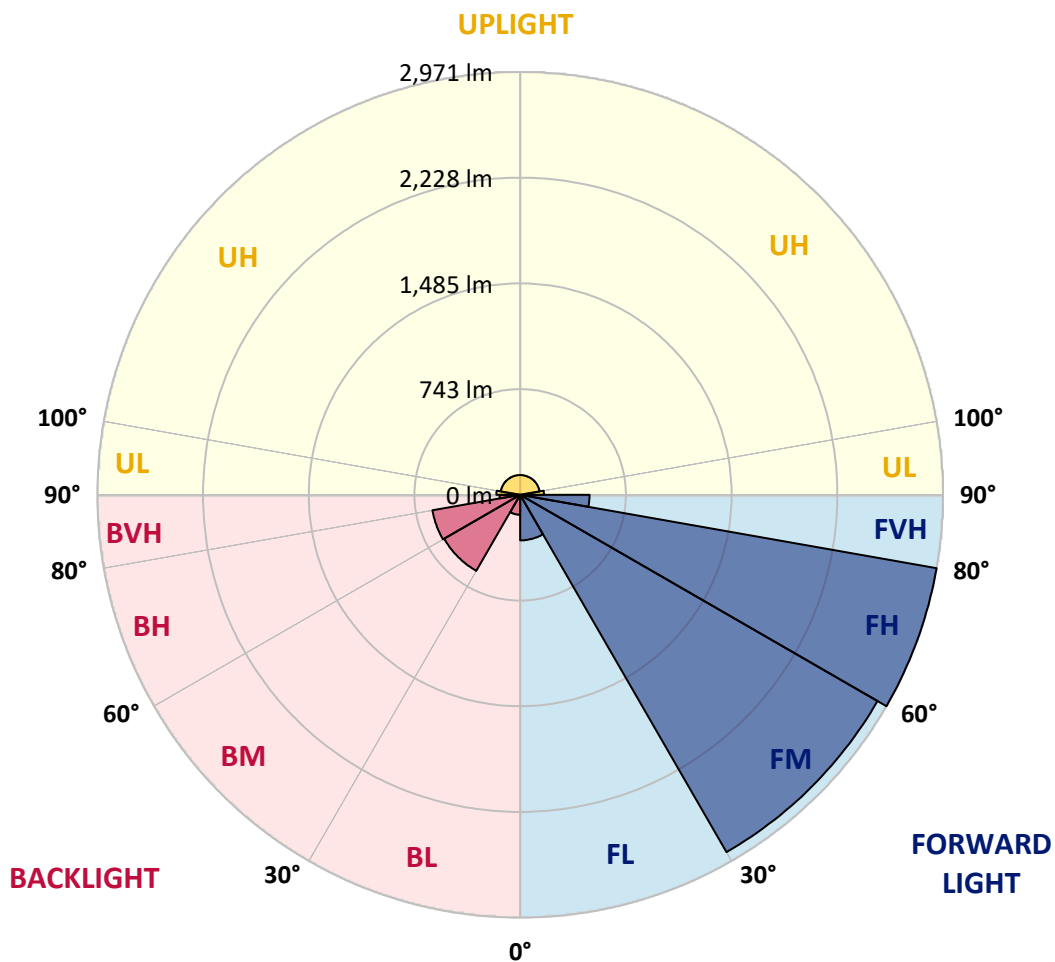
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.1	3.8			
FM	(30°-60°)	2898.9	34.1			
FH	(60°-80°)	2970.9	34.9			G2/5000
FVH	(80°-90°)	487.3	5.7			G3/500
BL	(0°-30°)	140.3	1.6	B1/500		
BM	(30°-60°)	616.9	7.3	B1/1000		
BH	(60°-80°)	626.2	7.4	B2/1000		G2/1000
BVH	(80°-90°)	145.5	1.7			G2/225
UL	(90°-100°)	167.2	2.0		U3/500	
UH	(100°-180°)	138.7	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0
2.5°	239.0	240.0	239.0	239.0	237.0	236.0	230.0	226.0	223.0	221.0	218.0
5°	277.0	279.0	278.0	278.0	273.0	270.0	263.0	255.0	249.0	248.0	239.0
7.5°	328.0	327.0	323.0	322.0	320.0	315.0	305.0	293.0	287.0	285.0	272.0
10°	391.0	386.0	388.0	381.0	377.0	369.0	360.0	351.0	339.0	339.0	321.0
12.5°	454.0	465.0	462.0	452.0	444.0	431.0	420.0	417.0	403.0	405.0	388.0
15°	557.0	556.0	547.0	540.0	524.0	508.0	498.0	491.0	487.0	484.0	465.0
17.5°	666.0	660.0	653.0	632.0	609.0	595.0	586.0	579.0	584.0	583.0	560.0
20°	792.0	785.0	775.0	737.0	707.0	685.0	680.0	688.0	691.0	699.0	676.0
22.5°	932.0	929.0	905.0	862.0	811.0	782.0	777.0	796.0	819.0	823.0	807.0
25°	1100.0	1096.0	1063.0	1001.0	934.0	890.0	890.0	920.0	958.0	967.0	959.0
27.5°	1280.0	1270.0	1227.0	1151.0	1059.0	1002.0	995.0	1049.0	1102.0	1128.0	1118.0
30°	1487.0	1485.0	1414.0	1321.0	1211.0	1120.0	1117.0	1196.0	1271.0	1283.0	1285.0
32.5°	1700.0	1717.0	1635.0	1496.0	1363.0	1256.0	1251.0	1340.0	1444.0	1465.0	1465.0
35°	1946.0	1947.0	1846.0	1708.0	1526.0	1404.0	1390.0	1496.0	1612.0	1641.0	1657.0
37.5°	2194.1	2188.1	2097.0	1907.0	1703.0	1556.0	1543.0	1668.0	1800.0	1847.0	1844.0
40°	2438.1	2455.1	2340.1	2130.0	1884.0	1735.0	1703.0	1850.0	2002.0	2055.0	2034.0
42.5°	2701.1	2697.1	2594.1	2360.1	2086.0	1908.0	1889.0	2041.0	2210.1	2270.1	2251.1
45°	2931.1	2929.1	2817.1	2583.1	2279.1	2108.0	2082.0	2243.1	2455.1	2511.1	2472.1
47.5°	3143.1	3138.1	3022.1	2784.1	2448.1	2299.1	2301.1	2466.1	2691.1	2783.1	2723.1
50°	3307.1	3290.1	3217.1	2960.1	2631.1	2500.1	2538.1	2732.1	2972.1	3055.1	2990.1
52.5°	3395.1	3369.1	3312.1	3083.1	2804.1	2699.1	2772.1	3002.1	3239.1	3318.1	3247.1
55°	3353.1	3353.1	3321.1	3158.1	2927.1	2881.1	3028.1	3260.1	3507.1	3594.1	3531.1
57.5°	3184.1	3210.1	3225.1	3138.1	3012.1	3061.1	3294.1	3554.1	3791.1	3887.1	3804.1
60°	2888.1	2895.1	3005.1	3030.1	3046.1	3214.1	3570.1	3880.1	4093.1	4169.1	4075.1
62.5°	2469.1	2502.1	2636.1	2821.1	2996.1	3341.1	3860.1	4208.1	4400.1	4451.1	4314.1
65°	2003.0	1995.0	2243.1	2520.1	2858.1	3378.1	4094.1	4526.1	4675.1	4743.1	4505.1
67.5°	1519.0	1514.0	1743.0	2149.0	2624.1	3339.1	4284.1	4796.1	4960.1	4962.1	4625.1
70°	1077.0	1085.0	1288.0	1719.0	2322.1	3161.1	4307.1	5002.1	5062.1	5038.1	4552.1
72.5°	731.0	737.0	930.0	1317.0	1922.0	2873.1	4115.1	4980.1	4966.1	4899.1	4252.1
75°	471.0	511.0	654.0	1001.0	1556.0	2458.1	3742.1	4665.1	4592.1	4481.1	3731.1
77.5°	325.0	345.0	455.0	729.0	1216.0	2030.0	3213.1	4032.1	3956.1	3820.1	3008.1
80°	220.0	229.0	313.0	545.0	957.0	1596.0	2618.1	3246.1	3115.1	2975.1	2256.1
82.5°	147.0	164.0	225.0	391.0	724.0	1232.0	1991.0	2479.1	2271.1	2150.0	1585.0
85°	98.0	107.0	160.0	284.0	524.0	897.0	1433.0	1684.0	1501.0	1394.0	1013.0
87.5°	66.0	74.0	114.0	203.0	388.0	652.0	960.0	1088.0	941.0	874.0	613.0
90°	44.0	49.0	84.0	146.0	274.0	455.0	648.0	672.0	577.0	536.0	375.0
92.5°	31.0	36.0	63.0	108.0	192.0	316.0	416.0	407.0	340.0	320.0	242.0
95°	24.0	28.0	49.0	83.0	140.0	217.0	271.0	248.0	215.0	208.0	167.0
97.5°	21.0	23.0	41.0	67.0	106.0	154.0	176.0	168.0	145.0	141.0	122.0
100°	19.0	21.0	36.0	58.0	85.0	113.0	126.0	117.0	105.0	102.0	90.0
102.5°	18.0	19.0	32.0	50.0	70.0	89.0	97.0	87.0	78.0	77.0	69.0
105°	17.0	18.0	28.0	43.0	59.0	73.0	76.0	68.0	61.0	58.0	52.0
107.5°	16.0	16.0	25.0	38.0	51.0	61.0	63.0	55.0	47.0	45.0	41.0
110°	15.0	16.0	23.0	34.0	45.0	53.0	53.0	45.0	37.0	35.0	33.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	15.0	15.0	21.0	30.0	40.0	46.0	45.0	37.0	30.0	27.0	27.0
115°	14.0	15.0	20.0	28.0	36.0	40.0	38.0	31.0	24.0	22.0	23.0
117.5°	14.0	15.0	18.0	25.0	32.0	35.0	33.0	26.0	20.0	19.0	21.0
120°	14.0	15.0	18.0	23.0	28.0	31.0	29.0	22.0	18.0	17.0	19.0
122.5°	15.0	15.0	17.0	21.0	26.0	28.0	25.0	19.0	16.0	15.0	17.0
125°	15.0	15.0	17.0	20.0	24.0	25.0	22.0	17.0	14.0	14.0	16.0
127.5°	15.0	15.0	17.0	19.0	22.0	22.0	20.0	15.0	13.0	13.0	15.0
130°	15.0	15.0	16.0	18.0	20.0	20.0	17.0	13.0	12.0	12.0	14.0
132.5°	16.0	16.0	16.0	17.0	18.0	18.0	15.0	12.0	11.0	11.0	14.0
135°	15.0	15.0	15.0	16.0	16.0	16.0	13.0	11.0	10.0	11.0	13.0
137.5°	14.0	14.0	15.0	15.0	15.0	14.0	11.0	9.0	9.0	10.0	12.0
140°	14.0	13.0	14.0	14.0	13.0	12.0	10.0	8.0	8.0	9.0	10.0
142.5°	12.0	12.0	12.0	12.0	11.0	10.0	8.0	7.0	8.0	8.0	9.0
145°	11.0	11.0	11.0	10.0	10.0	8.0	6.0	6.0	6.0	7.0	8.0
147.5°	9.0	9.0	9.0	9.0	8.0	7.0	4.0	5.0	5.0	5.0	6.0
150°	7.0	7.0	8.0	7.0	6.0	5.0	3.0	4.0	5.0	5.0	5.0
152.5°	6.0	6.0	6.0	6.0	5.0	3.0	3.0	4.0	4.0	4.0	5.0
155°	4.0	4.0	4.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0	4.0
157.5°	2.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
160°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
162.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
165°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
167.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
170°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
172.5°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
175°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
177.5°	0.0	1.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0
2.5°	216.0	214.0	210.0	206.0	203.0	200.0	198.0	195.0	193.0	193.0	193.0
5°	233.0	231.0	221.0	211.0	202.0	194.0	188.0	181.0	178.0	175.0	176.0
7.5°	267.0	260.0	244.0	227.0	212.0	196.0	184.0	174.0	168.0	164.0	164.0
10°	313.0	302.0	278.0	252.0	227.0	204.0	186.0	172.0	162.0	158.0	158.0
12.5°	372.0	361.0	324.0	285.0	247.0	214.0	191.0	173.0	162.0	157.0	157.0
15°	451.0	432.0	382.0	326.0	271.0	226.0	196.0	181.0	174.0	171.0	171.0
17.5°	545.0	517.0	452.0	368.0	295.0	238.0	209.0	195.0	189.0	188.0	188.0
20°	655.0	620.0	522.0	410.0	314.0	253.0	220.0	208.0	206.0	207.0	207.0
22.5°	780.0	729.0	594.0	448.0	332.0	262.0	228.0	218.0	220.0	225.0	224.0
25°	912.0	858.0	673.0	482.0	344.0	266.0	233.0	227.0	235.0	241.0	241.0
27.5°	1066.0	982.0	745.0	506.0	347.0	263.0	234.0	231.0	242.0	251.0	253.0
30°	1223.0	1115.0	807.0	521.0	341.0	256.0	230.0	232.0	245.0	257.0	258.0
32.5°	1382.0	1241.0	858.0	524.0	331.0	247.0	226.0	230.0	244.0	257.0	259.0
35°	1540.0	1359.0	892.0	513.0	315.0	238.0	219.0	226.0	240.0	255.0	257.0
37.5°	1695.0	1471.0	913.0	495.0	299.0	230.0	214.0	221.0	235.0	252.0	254.0
40°	1864.0	1591.0	925.0	474.0	283.0	223.0	211.0	218.0	232.0	248.0	251.0
42.5°	2019.0	1701.0	926.0	448.0	271.0	220.0	209.0	215.0	228.0	245.0	248.0
45°	2221.1	1814.0	926.0	426.0	263.0	219.0	209.0	214.0	226.0	244.0	248.0
47.5°	2412.1	1944.0	928.0	407.0	259.0	221.0	211.0	213.0	223.0	244.0	248.0
50°	2634.1	2069.0	944.0	393.0	258.0	225.0	214.0	212.0	220.0	242.0	247.0
52.5°	2855.1	2234.1	964.0	383.0	260.0	229.0	216.0	212.0	217.0	237.0	243.0
55°	3097.1	2391.1	986.0	384.0	264.0	233.0	219.0	211.0	213.0	229.0	235.0
57.5°	3339.1	2575.1	1034.0	390.0	269.0	238.0	222.0	211.0	208.0	220.0	225.0
60°	3551.1	2737.1	1084.0	403.0	276.0	243.0	224.0	210.0	204.0	211.0	215.0
62.5°	3775.1	2914.1	1124.0	414.0	284.0	247.0	224.0	209.0	201.0	206.0	208.0
65°	3921.1	3019.1	1145.0	428.0	292.0	250.0	225.0	207.0	200.0	203.0	205.0
67.5°	3996.1	3036.1	1131.0	433.0	299.0	252.0	224.0	205.0	201.0	203.0	205.0
70°	3907.1	2923.1	1064.0	430.0	301.0	252.0	222.0	203.0	201.0	204.0	205.0
72.5°	3585.1	2651.1	965.0	415.0	298.0	248.0	219.0	200.0	200.0	205.0	205.0
75°	3087.1	2260.1	835.0	392.0	290.0	242.0	213.0	195.0	197.0	204.0	204.0
77.5°	2472.1	1788.0	688.0	359.0	275.0	232.0	205.0	188.0	193.0	201.0	200.0
80°	1840.0	1332.0	554.0	322.0	255.0	218.0	194.0	180.0	187.0	194.0	192.0
82.5°	1226.0	935.0	438.0	283.0	234.0	204.0	182.0	169.0	178.0	185.0	182.0
85°	796.0	623.0	339.0	244.0	212.0	188.0	167.0	157.0	166.0	172.0	169.0
87.5°	496.0	418.0	258.0	208.0	189.0	170.0	154.0	143.0	152.0	158.0	154.0
90°	328.0	280.0	203.0	180.0	168.0	153.0	138.0	130.0	139.0	141.0	138.0
92.5°	216.0	198.0	165.0	154.0	148.0	136.0	125.0	118.0	125.0	126.0	124.0
95°	155.0	150.0	136.0	134.0	131.0	121.0	112.0	106.0	110.0	111.0	107.0
97.5°	118.0	117.0	116.0	116.0	114.0	107.0	99.0	94.0	96.0	95.0	92.0
100°	92.0	94.0	97.0	99.0	98.0	93.0	87.0	83.0	84.0	80.0	77.0
102.5°	72.0	76.0	81.0	84.0	84.0	80.0	77.0	73.0	70.0	65.0	64.0
105°	57.0	60.0	67.0	72.0	72.0	70.0	67.0	62.0	59.0	53.0	53.0
107.5°	45.0	49.0	57.0	61.0	62.0	60.0	58.0	54.0	49.0	43.0	43.0
110°	36.0	39.0	48.0	52.0	53.0	52.0	50.0	45.0	40.0	36.0	36.0



REPORT NUMBER: P416801

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.0	33.0	40.0	44.0	46.0	45.0	43.0	38.0	33.0	30.0	30.0
115°	26.0	29.0	34.0	38.0	39.0	39.0	36.0	33.0	27.0	26.0	26.0
117.5°	23.0	25.0	30.0	33.0	35.0	34.0	31.0	28.0	24.0	23.0	23.0
120°	21.0	23.0	27.0	30.0	30.0	29.0	27.0	24.0	21.0	20.0	21.0
122.5°	19.0	21.0	24.0	26.0	26.0	26.0	24.0	21.0	18.0	18.0	19.0
125°	18.0	19.0	22.0	23.0	24.0	23.0	21.0	18.0	16.0	17.0	17.0
127.5°	17.0	18.0	20.0	21.0	21.0	20.0	18.0	16.0	14.0	15.0	16.0
130°	16.0	17.0	18.0	19.0	19.0	18.0	16.0	14.0	13.0	14.0	14.0
132.5°	14.0	15.0	16.0	17.0	16.0	16.0	14.0	12.0	12.0	13.0	13.0
135°	13.0	14.0	14.0	15.0	14.0	14.0	12.0	11.0	11.0	12.0	12.0
137.5°	12.0	13.0	13.0	13.0	12.0	12.0	11.0	10.0	10.0	10.0	11.0
140°	11.0	11.0	11.0	11.0	10.0	10.0	9.0	8.0	9.0	9.0	9.0
142.5°	10.0	10.0	10.0	9.0	9.0	8.0	7.0	7.0	8.0	8.0	8.0
145°	8.0	8.0	8.0	7.0	7.0	6.0	6.0	6.0	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
150°	6.0	6.0	6.0	5.0	4.0	4.0	3.0	4.0	5.0	5.0	5.0
152.5°	5.0	5.0	5.0	5.0	4.0	2.0	3.0	4.0	4.0	4.0	4.0
155°	4.0	4.0	5.0	4.0	3.0	1.0	2.0	3.0	3.0	3.0	3.0
157.5°	4.0	4.0	4.0	3.0	2.0	1.0	2.0	2.0	3.0	2.0	3.0
160°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
162.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0
165°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)