

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: P416744

Luminaire Tested: **LXF.LXT-PA1-80-740-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8760.1 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

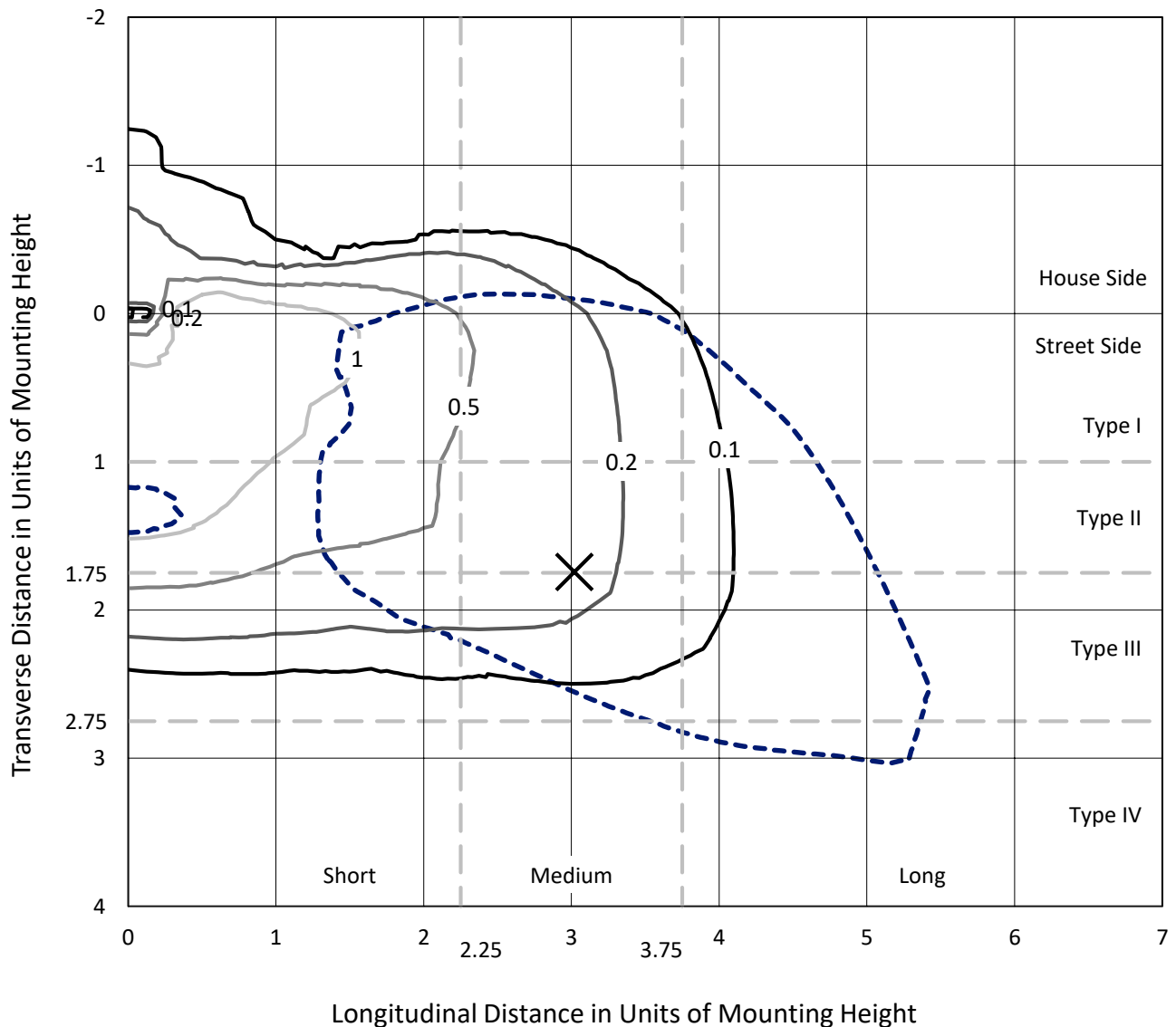
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

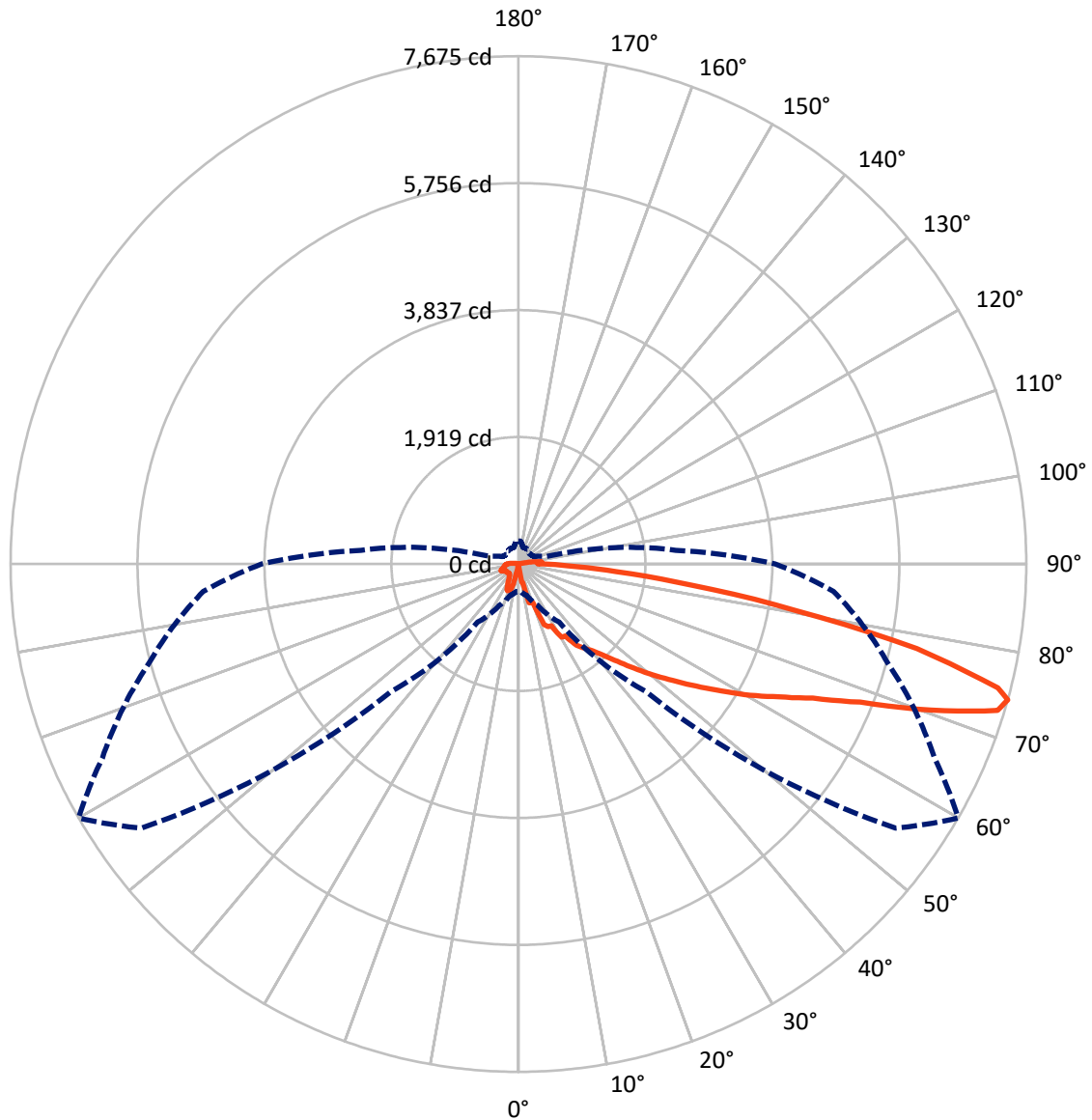
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical

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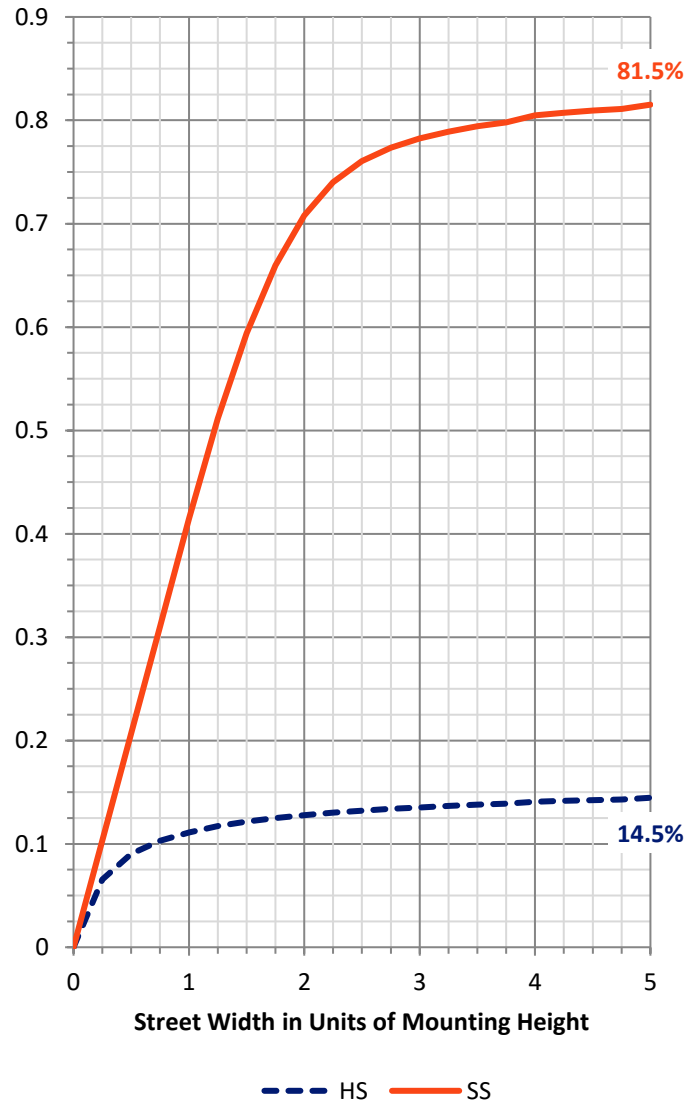
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1344.4	85.1	1429.5
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	7239.2	91.3	7330.5
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	8583.6	176.4	8760.1
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	111.9	1.3
20°-30°	338.7	3.9
30°-40°	678.0	7.7
40°-50°	1163.2	13.3
50°-60°	1773.2	20.2
60°-70°	2184.8	24.9
70°-80°	1826.5	20.9
80°-90°	497.5	5.7
90°-100°	128.5	1.5
100°-110°	23.0	0.3
110°-120°	8.5	0.1
120°-130°	6.5	0.1
130°-140°	4.5	0.1
140°-150°	3.6	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8583.6	98.0
0°-180°	8760.1	100.0

**Coefficient of Utilization**



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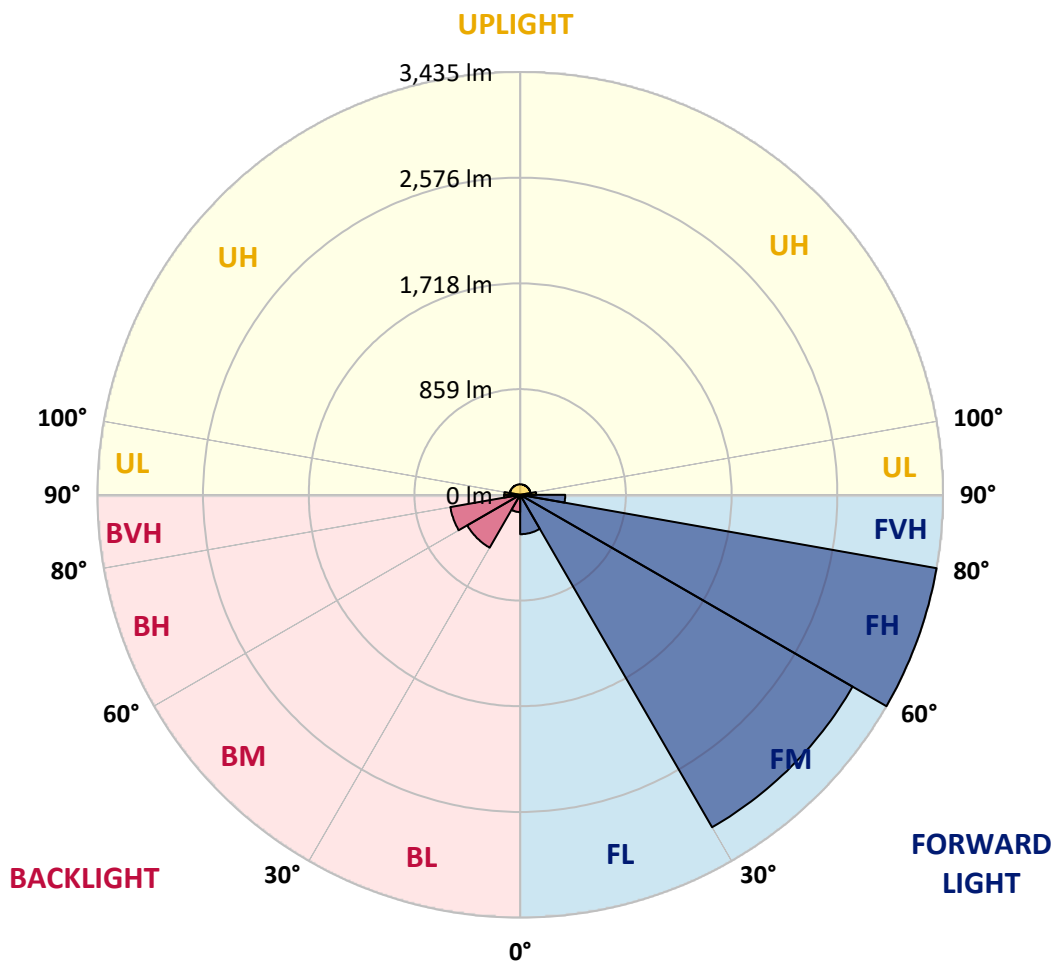
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.9	3.7			
FM (30°-60°)	3118.5	35.6			
FH (60°-80°)	3435.2	39.2			G2/5000
FVH (80°-90°)	365.7	4.2			G3/500
BL (0°-30°)	140.4	1.6	B1/500		
BM (30°-60°)	496.0	5.7	B1/1000		
BH (60°-80°)	576.2	6.6	B2/1000		G2/1000
BVH (80°-90°)	131.8	1.5			G2/225
UL (90°-100°)	128.5	1.5		U3/500	
UH (100°-180°)	85.1	1.0		U3/500	

**BUG Rating: B2-U3-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	11.0	10.0	9.0	10.0	11.0	10.0	8.0	7.0	6.0	6.0	6.0
5°	292.0	288.0	286.0	223.0	53.0	33.0	13.0	9.0	8.0	6.0	6.0
7.5°	296.0	292.0	293.0	292.0	287.0	287.0	93.0	34.0	19.0	7.0	7.0
10°	312.0	306.0	298.0	297.0	295.0	292.0	287.0	281.0	64.0	11.0	10.0
12.5°	576.0	573.0	569.0	439.0	318.0	296.0	293.0	286.0	220.0	42.0	194.0
15°	572.0	571.0	564.0	567.0	566.0	322.0	365.0	609.0	585.0	424.0	489.0
17.5°	600.0	597.0	576.0	563.0	564.0	643.0	597.0	601.0	603.0	536.0	524.0
20°	814.0	809.0	807.0	784.0	573.0	755.0	770.0	624.0	639.0	832.0	930.0
22.5°	824.0	817.0	809.0	803.0	904.0	752.0	814.0	994.0	949.0	1101.0	1038.0
25°	1113.0	1094.0	1015.0	822.0	903.0	866.0	1053.0	1048.0	992.0	1149.0	1110.0
27.5°	1205.0	1192.0	1134.0	1090.0	921.0	1037.0	1047.0	1058.0	1248.0	1585.0	1477.0
30°	1614.0	1513.0	1252.0	1225.0	1099.0	1046.0	1197.0	1283.0	1404.0	1592.0	1562.0
32.5°	1848.0	1799.0	1673.0	1480.0	1287.0	1144.0	1298.0	1298.0	1411.0	1924.0	1975.0
35°	2227.0	2069.0	1823.0	1692.0	1468.0	1369.0	1338.0	1507.0	1668.0	2021.0	2018.0
37.5°	2364.0	2349.0	2257.0	1855.0	1726.0	1489.0	1560.0	1612.0	1748.0	2161.0	2155.0
40°	2439.0	2472.0	2479.0	2207.0	1917.0	1720.0	1695.0	1724.0	1855.0	2358.0	2282.0
42.5°	2693.0	2705.0	2742.0	2432.0	2203.0	1972.0	1902.0	1890.0	1981.0	2587.0	2450.0
45°	3103.0	3109.0	3082.0	2691.0	2436.0	2222.0	2144.0	2098.0	2178.0	2814.0	2663.0
47.5°	3573.0	3587.0	3457.0	2984.0	2648.0	2463.0	2421.0	2350.0	2401.0	3019.0	2928.0
50°	3946.9	3942.9	3710.9	3221.0	2862.0	2710.0	2697.0	2631.0	2637.0	3268.0	3214.0
52.5°	4043.9	4037.9	3839.9	3396.0	3057.0	2967.0	3026.0	2924.0	2871.0	3526.0	3511.0
55°	3897.9	3908.9	3815.9	3469.0	3181.0	3193.0	3346.0	3258.0	3186.0	3769.9	3793.9
57.5°	3687.0	3674.0	3688.0	3497.0	3278.0	3414.0	3726.9	3617.0	3548.0	4045.9	4072.9
60°	3296.0	3278.0	3459.0	3467.0	3368.0	3664.0	4131.9	4024.9	3927.9	4336.9	4307.9
62.5°	2701.0	2678.0	3005.0	3283.0	3471.0	3956.9	4531.9	4415.9	4321.9	4645.9	4590.9
65°	1798.0	1907.0	2290.0	2881.0	3433.0	4378.9	5060.9	4886.9	4715.9	4962.9	4952.9
67.5°	1043.0	1121.0	1402.0	2049.0	3120.0	4739.9	5899.9	5569.9	5274.9	5321.9	5298.9
70°	647.0	671.0	793.0	1182.0	2199.0	4620.9	6829.9	6616.9	5991.9	5721.9	5352.9
72.5°	502.0	518.0	588.0	772.0	1337.0	3574.0	7271.9	7570.9	6715.9	5826.9	5086.9
74°	411.0	421.0	494.0	691.0	1073.0	2725.0	6957.9	7674.9	6937.9	5775.9	4780.9
75°	325.0	335.0	417.0	663.0	1020.0	2174.0	6492.9	7481.9	6944.9	5696.9	4411.9
77.5°	199.0	206.0	225.0	458.0	927.0	1242.0	4790.9	6158.9	6154.9	4730.9	3164.0
80°	158.0	160.0	168.0	241.0	755.0	1126.0	3034.0	4250.9	4219.9	2840.0	1621.0
82.5°	109.0	117.0	133.0	156.0	402.0	1103.0	1913.0	2641.0	2278.0	1081.0	678.0
85°	73.0	79.0	101.0	116.0	215.0	1174.0	1373.0	1486.0	1121.0	535.0	447.0
87.5°	30.0	31.0	46.0	56.0	87.0	563.0	924.0	736.0	516.0	339.0	364.0
90°	16.0	16.0	12.0	13.0	32.0	121.0	302.0	293.0	243.0	279.0	342.0
92.5°	18.0	18.0	12.0	13.0	31.0	95.0	327.0	334.0	279.0	297.0	366.0
95°	20.0	20.0	12.0	12.0	30.0	65.0	314.0	353.0	287.0	312.0	369.0
97.5°	22.0	23.0	11.0	11.0	24.0	49.0	197.0	241.0	187.0	162.0	177.0
100°	23.0	23.0	10.0	10.0	16.0	35.0	91.0	116.0	90.0	42.0	29.0
102.5°	23.0	24.0	10.0	9.0	11.0	22.0	29.0	42.0	33.0	25.0	27.0
105°	22.0	24.0	10.0	9.0	9.0	12.0	15.0	17.0	18.0	18.0	28.0
107.5°	17.0	19.0	8.0	9.0	8.0	8.0	6.0	7.0	9.0	16.0	28.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.0	12.0	6.0	8.0	7.0	8.0	5.0	6.0	8.0	12.0	23.0
112.5°	6.0	5.0	4.0	6.0	6.0	7.0	5.0	5.0	7.0	10.0	16.0
115°	4.0	5.0	3.0	4.0	5.0	5.0	4.0	5.0	6.0	10.0	17.0
117.5°	4.0	4.0	3.0	4.0	5.0	4.0	4.0	5.0	6.0	10.0	17.0
120°	5.0	4.0	3.0	4.0	4.0	3.0	4.0	5.0	5.0	10.0	17.0
122.5°	5.0	5.0	4.0	4.0	4.0	3.0	4.0	4.0	5.0	10.0	16.0
125°	6.0	5.0	4.0	4.0	4.0	3.0	4.0	4.0	5.0	9.0	15.0
127.5°	6.0	6.0	4.0	4.0	5.0	3.0	4.0	4.0	5.0	8.0	14.0
130°	6.0	6.0	5.0	4.0	5.0	4.0	4.0	4.0	5.0	7.0	12.0
132.5°	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	6.0	10.0
135°	7.0	6.0	5.0	5.0	6.0	4.0	4.0	4.0	4.0	5.0	7.0
137.5°	7.0	7.0	6.0	6.0	7.0	5.0	4.0	5.0	5.0	5.0	6.0
140°	8.0	8.0	8.0	7.0	7.0	5.0	5.0	5.0	5.0	6.0	6.0
142.5°	10.0	9.0	9.0	8.0	7.0	5.0	5.0	5.0	6.0	6.0	6.0
145°	11.0	11.0	10.0	9.0	7.0	5.0	5.0	6.0	6.0	7.0	7.0
147.5°	11.0	11.0	10.0	8.0	6.0	4.0	5.0	6.0	6.0	7.0	8.0
150°	11.0	10.0	9.0	7.0	5.0	3.0	4.0	5.0	6.0	7.0	8.0
152.5°	8.0	8.0	7.0	5.0	4.0	2.0	3.0	4.0	5.0	6.0	7.0
155°	5.0	5.0	4.0	3.0	3.0	2.0	3.0	4.0	4.0	5.0	6.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0
160°	1.0	1.0	2.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	6.0	6.0	6.0	5.0	5.0	3.0	4.0	4.0	5.0	6.0	7.0
5°	6.0	7.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	7.0	7.0
7.5°	7.0	7.0	6.0	6.0	5.0	4.0	7.0	216.0	248.0	256.0	258.0
10°	9.0	9.0	8.0	7.0	6.0	233.0	257.0	257.0	255.0	257.0	257.0
12.5°	199.0	214.0	34.0	17.0	192.0	242.0	236.0	232.0	228.0	224.0	222.0
15°	484.0	469.0	430.0	323.0	298.0	222.0	204.0	283.0	302.0	307.0	306.0
17.5°	511.0	487.0	428.0	449.0	394.0	284.0	256.0	254.0	243.0	243.0	244.0
20°	961.0	906.0	584.0	438.0	342.0	344.0	219.0	195.0	204.0	217.0	225.0
22.5°	987.0	915.0	683.0	570.0	308.0	278.0	214.0	189.0	255.0	281.0	283.0
25°	1053.0	938.0	692.0	480.0	348.0	228.0	213.0	197.0	234.0	258.0	256.0
27.5°	1426.0	1265.0	879.0	442.0	275.0	215.0	201.0	189.0	233.0	272.0	271.0
30°	1424.0	1247.0	812.0	407.0	227.0	200.0	183.0	206.0	217.0	232.0	233.0
32.5°	1849.0	1585.0	888.0	338.0	201.0	173.0	181.0	188.0	197.0	235.0	243.0
35°	1858.0	1550.0	771.0	310.0	185.0	165.0	170.0	186.0	205.0	229.0	231.0
37.5°	1894.0	1532.0	640.0	256.0	190.0	167.0	177.0	195.0	190.0	223.0	227.0
40°	1960.0	1537.0	538.0	229.0	187.0	167.0	185.0	188.0	189.0	206.0	208.0
42.5°	2062.0	1564.0	452.0	217.0	184.0	181.0	179.0	180.0	173.0	207.0	211.0
45°	2207.0	1620.0	386.0	213.0	184.0	211.0	187.0	180.0	165.0	238.0	255.0
47.5°	2421.0	1730.0	347.0	214.0	185.0	202.0	185.0	175.0	172.0	278.0	290.0
50°	2663.0	1856.0	321.0	218.0	185.0	199.0	182.0	180.0	191.0	282.0	285.0
52.5°	2923.0	2024.0	312.0	222.0	199.0	202.0	207.0	206.0	184.0	226.0	226.0
55°	3187.0	2198.0	315.0	227.0	210.0	207.0	221.0	195.0	158.0	168.0	166.0
57.5°	3436.0	2401.0	336.0	224.0	203.0	205.0	223.0	183.0	158.0	168.0	172.0
60°	3705.9	2621.0	394.0	216.0	200.0	199.0	220.0	193.0	158.0	193.0	194.0
62.5°	4034.9	2924.0	520.0	224.0	216.0	205.0	221.0	213.0	181.0	185.0	189.0
65°	4423.9	3237.0	640.0	255.0	228.0	206.0	218.0	224.0	205.0	198.0	197.0
67.5°	4708.9	3314.0	645.0	296.0	244.0	217.0	220.0	244.0	224.0	228.0	226.0
70°	4636.9	3104.0	559.0	313.0	254.0	226.0	226.0	253.0	236.0	271.0	272.0
72.5°	4284.9	2695.0	472.0	290.0	241.0	229.0	251.0	262.0	251.0	326.0	322.0
74°	3880.9	2387.0	434.0	264.0	236.0	228.0	258.0	262.0	259.0	348.0	345.0
75°	3571.0	2145.0	413.0	249.0	233.0	225.0	260.0	263.0	262.0	351.0	350.0
77.5°	2468.0	1449.0	361.0	222.0	228.0	225.0	259.0	269.0	276.0	349.0	346.0
80°	1266.0	793.0	301.0	210.0	226.0	231.0	256.0	260.0	271.0	330.0	327.0
82.5°	635.0	457.0	221.0	193.0	229.0	251.0	257.0	252.0	255.0	304.0	299.0
85°	409.0	316.0	147.0	162.0	233.0	272.0	256.0	235.0	239.0	265.0	263.0
87.5°	329.0	234.0	90.0	126.0	248.0	249.0	234.0	208.0	203.0	208.0	205.0
90°	304.0	217.0	76.0	119.0	240.0	208.0	191.0	170.0	152.0	153.0	147.0
92.5°	327.0	227.0	81.0	118.0	191.0	146.0	140.0	129.0	107.0	95.0	89.0
95°	322.0	218.0	82.0	100.0	140.0	83.0	99.0	91.0	66.0	50.0	47.0
97.5°	155.0	110.0	73.0	78.0	82.0	63.0	84.0	77.0	48.0	31.0	29.0
100°	29.0	41.0	65.0	74.0	65.0	49.0	66.0	59.0	26.0	16.0	15.0
102.5°	28.0	23.0	49.0	67.0	41.0	28.0	36.0	33.0	17.0	12.0	12.0
105°	29.0	23.0	23.0	46.0	25.0	13.0	11.0	16.0	12.0	12.0	13.0
107.5°	30.0	23.0	14.0	15.0	12.0	10.0	8.0	8.0	9.0	13.0	14.0



REPORT NUMBER: P416744

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.0	20.0	13.0	12.0	11.0	10.0	8.0	7.0	9.0	14.0	15.0
112.5°	17.0	16.0	12.0	10.0	9.0	9.0	7.0	6.0	9.0	15.0	16.0
115°	17.0	16.0	10.0	9.0	7.0	8.0	7.0	6.0	9.0	17.0	18.0
117.5°	18.0	15.0	10.0	8.0	6.0	6.0	6.0	6.0	10.0	17.0	18.0
120°	18.0	15.0	10.0	7.0	6.0	5.0	6.0	6.0	10.0	17.0	19.0
122.5°	17.0	15.0	9.0	7.0	6.0	5.0	5.0	5.0	9.0	17.0	18.0
125°	16.0	14.0	9.0	7.0	6.0	4.0	5.0	5.0	9.0	16.0	18.0
127.5°	15.0	13.0	9.0	7.0	5.0	4.0	5.0	5.0	9.0	15.0	17.0
130°	13.0	12.0	8.0	6.0	5.0	4.0	5.0	5.0	9.0	14.0	16.0
132.5°	11.0	10.0	7.0	6.0	5.0	4.0	5.0	4.0	7.0	13.0	14.0
135°	8.0	8.0	7.0	5.0	5.0	3.0	4.0	4.0	6.0	10.0	11.0
137.5°	7.0	7.0	6.0	5.0	5.0	3.0	4.0	3.0	5.0	8.0	9.0
140°	7.0	7.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	7.0	7.0
142.5°	7.0	7.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	6.0	7.0
145°	7.0	7.0	7.0	6.0	4.0	3.0	3.0	3.0	4.0	6.0	6.0
147.5°	8.0	8.0	7.0	5.0	4.0	2.0	2.0	3.0	4.0	6.0	6.0
150°	8.0	8.0	7.0	5.0	4.0	2.0	1.0	2.0	3.0	5.0	6.0
152.5°	7.0	7.0	6.0	5.0	3.0	2.0	1.0	2.0	3.0	5.0	5.0
155°	6.0	6.0	5.0	4.0	3.0	1.0	0.0	1.0	2.0	4.0	4.0
157.5°	4.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	1.0	3.0	3.0
160°	4.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0	1.0	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)