

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: P416753

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8854 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

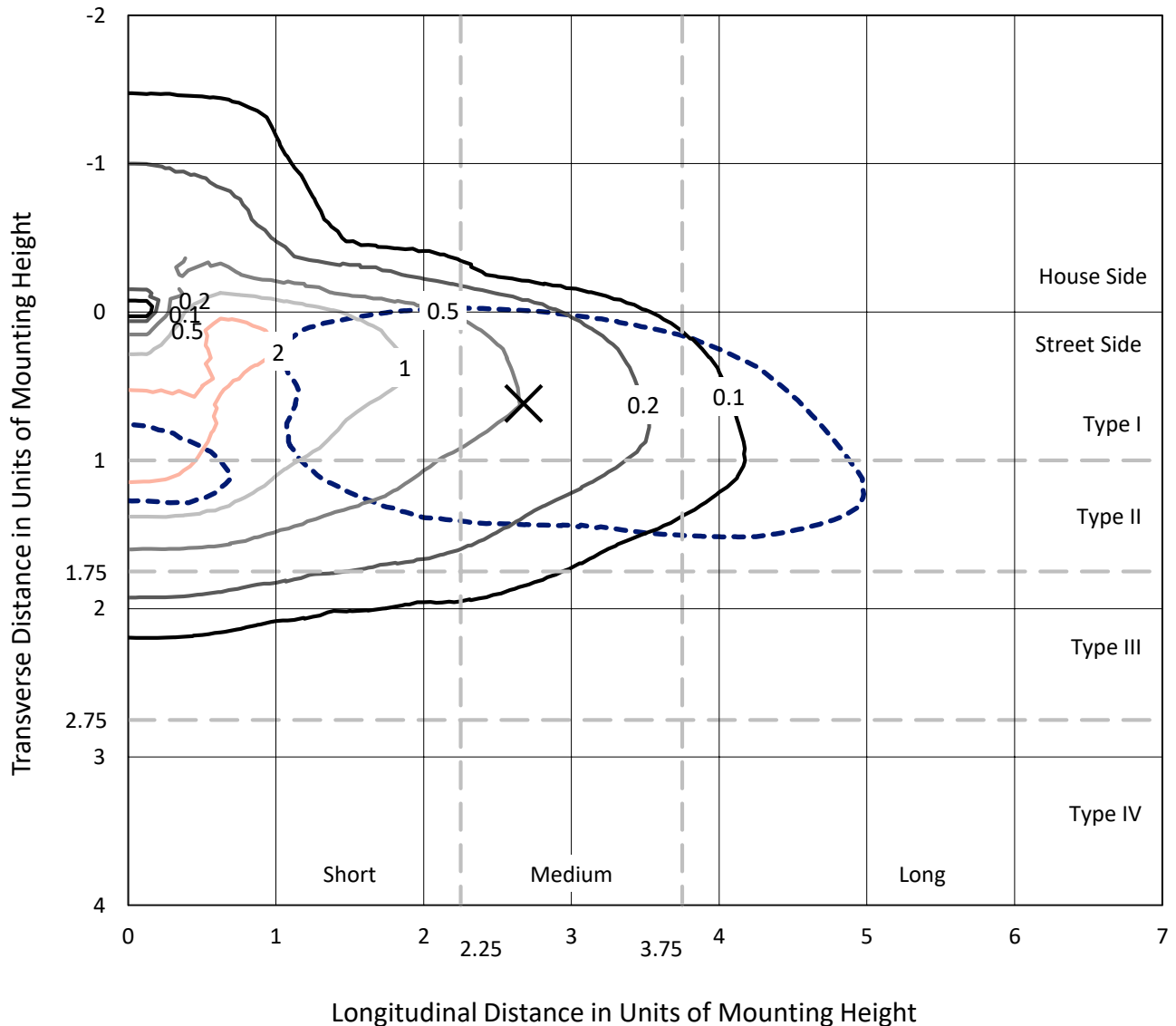
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

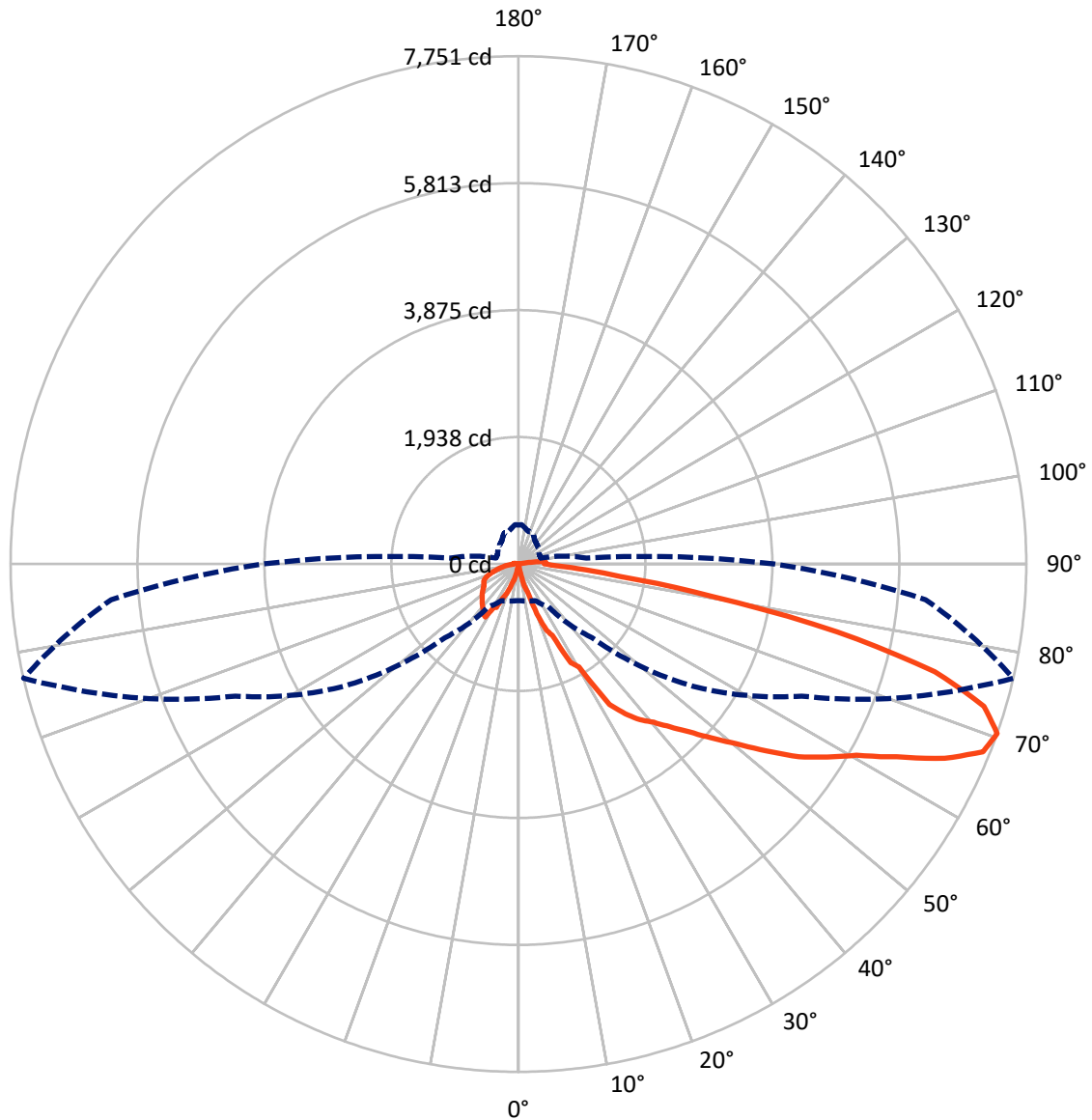


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1497.6	65.7	1563.2
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	7209.0	81.8	7290.8
	% Fixture	81.4	0.9	82.3
Total	Lumens	8706.6	147.5	8854.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	105.3	1.2
20°-30°	417.3	4.7
30°-40°	1007.7	11.4
40°-50°	1629.9	18.4
50°-60°	1949.4	22.0
60°-70°	1906.3	21.5
70°-80°	1317.8	14.9
80°-90°	365.7	4.1
90°-100°	96.2	1.1
100°-110°	19.7	0.2
110°-120°	10.5	0.1
120°-130°	8.4	0.1
130°-140°	5.7	0.1
140°-150°	4.7	0.1
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8706.6	98.3
0°-180°	8854.0	100.0

Coefficient of Utilization



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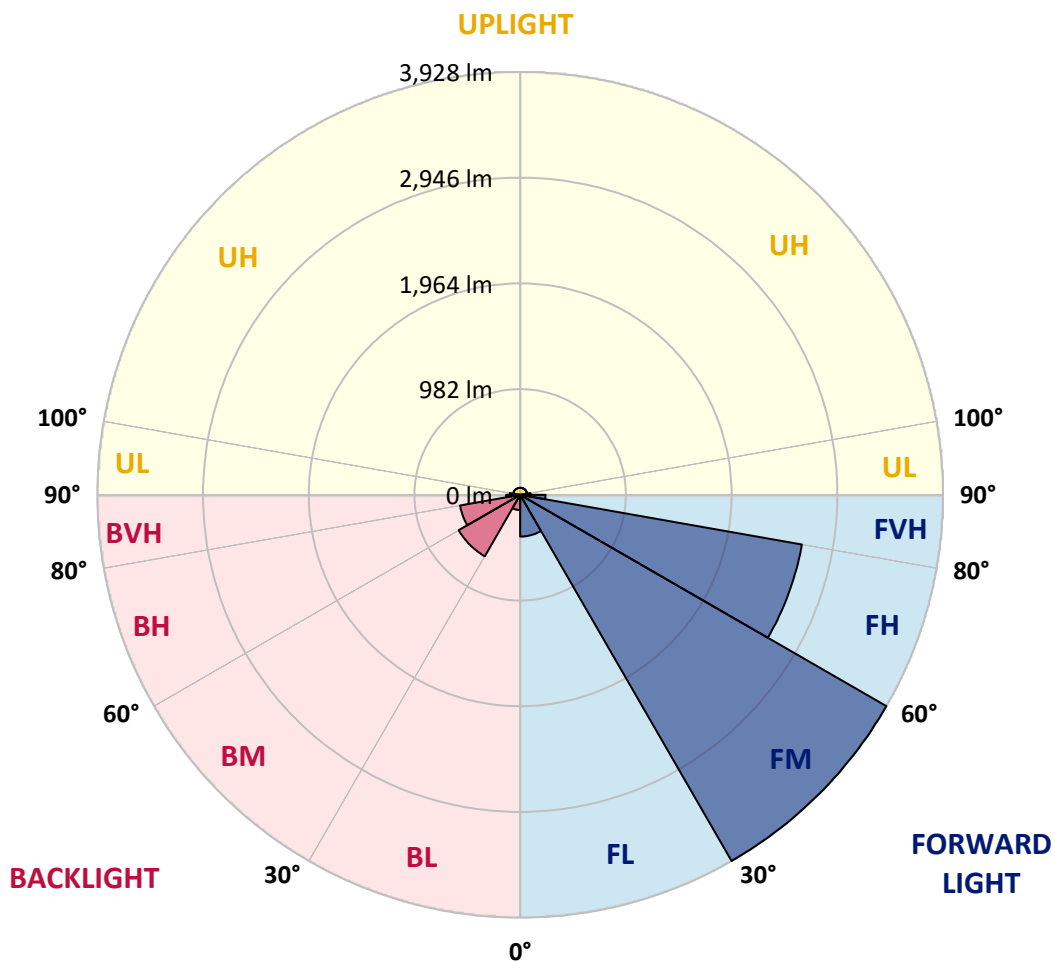
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.9	4.4			
FM	(30°-60°)	3928.2	44.4			
FH	(60°-80°)	2657.2	30.0			G2/5000
FVH	(80°-90°)	235.6	2.7			G3/500
BL	(0°-30°)	141.8	1.6	B1/500		
BM	(30°-60°)	658.7	7.4	B1/1000		
BH	(60°-80°)	566.9	6.4	B2/1000		G2/1000
BVH	(80°-90°)	130.1	1.5			G2/225
UL	(90°-100°)	96.2	1.1		U3/500	
UH	(100°-180°)	65.7	0.7		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	11.0	10.0	10.0	11.0	13.0	12.0	9.0	7.0	6.0	6.0	6.0
5°	217.0	210.0	205.0	145.0	32.0	19.0	12.0	9.0	7.0	7.0	6.0
7.5°	259.0	255.0	253.0	246.0	238.0	222.0	40.0	13.0	8.0	8.0	7.0
10°	293.0	290.0	286.0	282.0	271.0	260.0	238.0	33.0	13.0	13.0	11.0
12.5°	597.0	588.0	580.0	412.0	306.0	294.0	273.0	187.0	142.0	137.0	165.0
15°	613.0	613.0	613.0	618.0	609.0	328.0	447.0	560.0	370.0	358.0	370.0
17.5°	653.0	647.0	637.0	640.0	652.0	724.0	667.0	623.0	493.0	438.0	426.0
20°	977.0	972.0	975.0	904.0	695.0	912.0	906.0	702.0	801.0	812.0	791.0
22.5°	1043.0	1042.0	1039.0	1035.0	1188.0	968.0	1042.0	1104.0	1119.0	1097.0	910.0
25°	1480.0	1469.0	1336.0	1126.0	1273.0	1165.0	1390.0	1224.0	1246.0	1207.0	1153.0
27.5°	1691.0	1668.0	1645.0	1582.0	1367.0	1557.0	1479.0	1614.0	1809.0	1705.0	1467.0
30°	2230.9	2243.9	1872.0	1851.0	1691.0	1651.0	1811.0	1897.0	1899.0	1823.0	1647.0
32.5°	2746.9	2711.9	2624.9	2250.9	2014.0	1849.0	2100.0	2020.0	2484.9	2556.9	2232.9
35°	3252.9	3184.9	2929.9	2675.9	2349.9	2278.9	2249.9	2528.9	2704.9	2807.9	2415.9
37.5°	3973.9	3924.9	3680.9	3016.9	2708.9	2452.9	2637.9	2691.9	2971.9	3015.9	2665.9
40°	4238.9	4205.9	4002.9	3481.9	2989.9	2737.9	2811.9	2887.9	3236.9	3175.9	2853.9
42.5°	4428.9	4416.9	4254.9	3724.9	3355.9	3020.9	3012.9	3051.9	3508.9	3396.9	3041.9
45°	4574.9	4557.9	4461.9	3880.9	3528.9	3195.9	3229.9	3253.9	3747.9	3649.9	3256.9
47.5°	4546.9	4553.9	4566.9	4074.9	3631.9	3366.9	3451.9	3427.9	3942.9	3965.9	3497.9
50°	4331.9	4345.9	4441.9	4152.9	3690.9	3506.9	3643.9	3621.9	4214.9	4310.9	3775.9
52.5°	3692.9	3715.9	4071.9	4031.9	3742.9	3616.9	3840.9	3845.9	4532.9	4736.9	4130.9
55°	2703.9	2790.9	3223.9	3630.9	3685.9	3651.9	3972.9	4129.9	4898.9	5192.9	4447.9
57.5°	2175.0	2157.0	2455.9	3048.9	3403.9	3608.9	4111.9	4382.9	5232.9	5558.9	4764.9
60°	1688.0	1694.0	1915.0	2339.9	2909.9	3502.9	4253.9	4610.9	5643.9	5926.9	5152.9
62.5°	1257.0	1269.0	1429.0	1683.0	2345.9	3206.9	4297.9	4895.9	6214.9	6482.9	5621.9
65°	913.0	933.0	1020.0	1176.0	1695.0	2762.9	4163.9	5108.9	6847.8	7152.8	6122.9
67.5°	686.0	697.0	748.0	843.0	1211.0	2193.0	3832.9	5095.9	7165.8	7645.8	6337.9
70°	558.0	563.0	582.0	616.0	795.0	1590.0	3251.9	4767.9	7233.8	7750.8	6237.9
72.5°	474.0	472.0	473.0	478.0	549.0	1087.0	2511.9	4153.9	6973.8	7431.8	5786.9
75°	405.0	402.0	402.0	397.0	424.0	763.0	1730.0	3352.9	6282.9	6566.9	4874.9
77.5°	345.0	340.0	339.0	329.0	341.0	568.0	1146.0	2496.9	4970.9	4975.9	3455.9
80°	294.0	285.0	281.0	274.0	288.0	433.0	748.0	1629.0	3040.9	2991.9	1918.0
82.5°	217.0	217.0	223.0	225.0	248.0	321.0	528.0	969.0	1660.0	1571.0	1112.0
85°	125.0	136.0	161.0	164.0	190.0	213.0	397.0	574.0	929.0	896.0	570.0
87.5°	46.0	44.0	67.0	71.0	80.0	80.0	216.0	315.0	487.0	507.0	449.0
90°	38.0	38.0	26.0	24.0	31.0	52.0	146.0	221.0	366.0	393.0	424.0
92.5°	40.0	40.0	26.0	23.0	29.0	46.0	123.0	209.0	384.0	421.0	438.0
95°	38.0	39.0	23.0	21.0	27.0	39.0	92.0	179.0	369.0	404.0	428.0
97.5°	33.0	34.0	19.0	18.0	24.0	28.0	50.0	89.0	184.0	191.0	198.0
100°	27.0	27.0	14.0	15.0	19.0	19.0	26.0	47.0	45.0	37.0	32.0
102.5°	23.0	25.0	13.0	12.0	14.0	12.0	12.0	18.0	27.0	23.0	31.0
105°	19.0	21.0	11.0	10.0	11.0	10.0	8.0	13.0	20.0	23.0	33.0
107.5°	13.0	14.0	8.0	9.0	9.0	9.0	6.0	10.0	19.0	22.0	34.0
110°	9.0	9.0	6.0	8.0	8.0	9.0	6.0	10.0	15.0	17.0	27.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.0	6.0	5.0	6.0	7.0	7.0	6.0	9.0	13.0	14.0	19.0
115°	5.0	5.0	4.0	5.0	6.0	6.0	5.0	8.0	13.0	15.0	20.0
117.5°	6.0	5.0	4.0	5.0	6.0	5.0	5.0	7.0	13.0	15.0	20.0
120°	6.0	6.0	5.0	5.0	5.0	5.0	5.0	7.0	13.0	15.0	20.0
122.5°	7.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	12.0	14.0	19.0
125°	7.0	7.0	5.0	5.0	6.0	5.0	5.0	6.0	12.0	13.0	18.0
127.5°	8.0	7.0	6.0	5.0	6.0	5.0	5.0	6.0	11.0	12.0	16.0
130°	8.0	8.0	6.0	5.0	6.0	5.0	5.0	5.0	9.0	10.0	14.0
132.5°	8.0	8.0	7.0	6.0	7.0	6.0	5.0	5.0	7.0	8.0	11.0
135°	9.0	8.0	8.0	7.0	8.0	7.0	5.0	5.0	5.0	6.0	8.0
137.5°	9.0	9.0	9.0	8.0	9.0	7.0	5.0	5.0	5.0	5.0	6.0
140°	11.0	11.0	10.0	9.0	10.0	8.0	6.0	5.0	5.0	5.0	6.0
142.5°	13.0	13.0	12.0	11.0	10.0	8.0	7.0	6.0	6.0	6.0	6.0
145°	15.0	14.0	14.0	12.0	10.0	8.0	7.0	7.0	7.0	7.0	7.0
147.5°	15.0	15.0	14.0	11.0	9.0	6.0	6.0	8.0	8.0	8.0	8.0
150°	14.0	14.0	12.0	10.0	7.0	5.0	5.0	7.0	8.0	8.0	8.0
152.5°	11.0	10.0	9.0	6.0	5.0	3.0	4.0	5.0	6.0	6.0	7.0
155°	7.0	6.0	5.0	4.0	4.0	3.0	3.0	4.0	4.0	4.0	5.0
157.5°	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
160°	1.0	1.0	1.0	1.0	3.0	3.0	3.0	2.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2.5°	6.0	6.0	6.0	6.0	6.0	5.0	6.0	7.0	8.0	8.0	8.0
5°	6.0	6.0	6.0	7.0	7.0	6.0	7.0	9.0	10.0	10.0	10.0
7.5°	7.0	6.0	7.0	8.0	8.0	8.0	35.0	101.0	112.0	114.0	116.0
10°	10.0	10.0	10.0	11.0	12.0	105.0	124.0	130.0	134.0	137.0	138.0
12.5°	152.0	133.0	83.0	22.0	106.0	130.0	137.0	147.0	152.0	158.0	156.0
15°	341.0	302.0	227.0	194.0	190.0	145.0	152.0	253.0	281.0	286.0	285.0
17.5°	386.0	332.0	253.0	270.0	281.0	218.0	256.0	283.0	288.0	293.0	292.0
20°	718.0	572.0	343.0	297.0	294.0	368.0	273.0	282.0	292.0	344.0	350.0
22.5°	797.0	658.0	449.0	435.0	355.0	374.0	356.0	361.0	392.0	392.0	390.0
25°	998.0	796.0	507.0	444.0	451.0	372.0	418.0	361.0	367.0	367.0	368.0
27.5°	1298.0	1023.0	673.0	495.0	446.0	450.0	397.0	366.0	419.0	425.0	428.0
30°	1389.0	1062.0	666.0	553.0	466.0	437.0	371.0	410.0	395.0	395.0	392.0
32.5°	1941.0	1449.0	829.0	541.0	478.0	406.0	411.0	386.0	379.0	410.0	410.0
35°	2050.0	1492.0	800.0	609.0	459.0	423.0	391.0	397.0	384.0	382.0	379.0
37.5°	2175.0	1522.0	735.0	572.0	485.0	406.0	404.0	389.0	372.0	396.0	400.0
40°	2293.9	1551.0	683.0	528.0	448.0	404.0	396.0	388.0	352.0	352.0	351.0
42.5°	2427.9	1570.0	636.0	493.0	412.0	405.0	383.0	358.0	334.0	341.0	339.0
45°	2566.9	1582.0	588.0	454.0	380.0	419.0	384.0	373.0	354.0	357.0	354.0
47.5°	2737.9	1602.0	546.0	416.0	360.0	384.0	363.0	358.0	369.0	359.0	365.0
50°	2919.9	1613.0	507.0	383.0	340.0	373.0	376.0	361.0	369.0	352.0	351.0
52.5°	3137.9	1623.0	465.0	361.0	337.0	371.0	394.0	378.0	364.0	342.0	340.0
55°	3329.9	1591.0	429.0	347.0	357.0	367.0	409.0	390.0	361.0	336.0	337.0
57.5°	3538.9	1550.0	400.0	341.0	353.0	360.0	430.0	407.0	374.0	375.0	376.0
60°	3754.9	1511.0	382.0	340.0	348.0	363.0	433.0	430.0	391.0	400.0	407.0
62.5°	4012.9	1480.0	379.0	347.0	366.0	379.0	436.0	467.0	433.0	437.0	439.0
65°	4214.9	1390.0	376.0	351.0	373.0	382.0	437.0	493.0	478.0	501.0	499.0
67.5°	4152.9	1224.0	371.0	355.0	378.0	398.0	436.0	512.0	510.0	563.0	558.0
70°	3899.9	1040.0	355.0	350.0	380.0	406.0	437.0	517.0	526.0	601.0	596.0
72.5°	3473.9	839.0	326.0	336.0	381.0	416.0	450.0	518.0	528.0	634.0	619.0
75°	2906.9	678.0	283.0	304.0	393.0	422.0	453.0	508.0	508.0	608.0	589.0
77.5°	2092.0	522.0	244.0	276.0	389.0	418.0	444.0	485.0	478.0	526.0	508.0
80°	1219.0	385.0	208.0	271.0	365.0	410.0	419.0	428.0	395.0	406.0	395.0
82.5°	732.0	285.0	180.0	243.0	321.0	369.0	376.0	361.0	317.0	316.0	301.0
85°	439.0	195.0	132.0	188.0	253.0	308.0	316.0	274.0	233.0	257.0	230.0
87.5°	324.0	123.0	91.0	117.0	154.0	144.0	188.0	177.0	151.0	145.0	143.0
90°	292.0	94.0	75.0	95.0	104.0	89.0	96.0	96.0	78.0	77.0	73.0
92.5°	289.0	88.0	80.0	93.0	84.0	71.0	78.0	77.0	62.0	59.0	56.0
95°	270.0	79.0	80.0	84.0	74.0	58.0	63.0	59.0	44.0	41.0	38.0
97.5°	127.0	55.0	76.0	73.0	61.0	45.0	52.0	45.0	31.0	27.0	27.0
100°	30.0	47.0	65.0	66.0	49.0	34.0	36.0	29.0	20.0	17.0	17.0
102.5°	30.0	21.0	40.0	52.0	30.0	14.0	20.0	19.0	15.0	15.0	16.0
105°	30.0	20.0	20.0	34.0	18.0	9.0	9.0	12.0	13.0	17.0	19.0
107.5°	31.0	21.0	16.0	16.0	13.0	9.0	8.0	9.0	13.0	20.0	21.0
110°	26.0	19.0	15.0	14.0	13.0	9.0	7.0	9.0	13.0	22.0	24.0



REPORT NUMBER: P416753

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.0	17.0	13.0	13.0	11.0	9.0	7.0	8.0	14.0	24.0	26.0
115°	19.0	16.0	12.0	11.0	9.0	8.0	7.0	8.0	15.0	26.0	28.0
117.5°	20.0	16.0	11.0	10.0	8.0	6.0	6.0	8.0	15.0	27.0	29.0
120°	20.0	16.0	11.0	10.0	8.0	6.0	6.0	9.0	16.0	26.0	28.0
122.5°	19.0	16.0	11.0	10.0	8.0	5.0	6.0	8.0	15.0	25.0	27.0
125°	17.0	15.0	11.0	9.0	8.0	5.0	6.0	8.0	15.0	24.0	25.0
127.5°	16.0	14.0	10.0	9.0	7.0	5.0	6.0	8.0	14.0	22.0	23.0
130°	14.0	13.0	9.0	8.0	7.0	5.0	6.0	8.0	14.0	20.0	21.0
132.5°	11.0	10.0	8.0	7.0	7.0	5.0	6.0	7.0	11.0	17.0	18.0
135°	8.0	8.0	7.0	7.0	7.0	5.0	6.0	6.0	9.0	13.0	14.0
137.5°	6.0	6.0	6.0	7.0	6.0	5.0	5.0	6.0	8.0	10.0	11.0
140°	6.0	6.0	6.0	7.0	6.0	5.0	5.0	6.0	7.0	8.0	9.0
142.5°	6.0	6.0	6.0	7.0	6.0	4.0	5.0	6.0	7.0	8.0	8.0
145°	7.0	7.0	7.0	7.0	6.0	4.0	4.0	6.0	7.0	8.0	8.0
147.5°	8.0	8.0	7.0	7.0	6.0	3.0	3.0	6.0	7.0	8.0	8.0
150°	8.0	8.0	7.0	7.0	5.0	3.0	3.0	5.0	7.0	7.0	7.0
152.5°	6.0	6.0	6.0	6.0	5.0	2.0	2.0	4.0	6.0	6.0	6.0
155°	5.0	5.0	5.0	5.0	4.0	2.0	1.0	3.0	5.0	5.0	5.0
157.5°	3.0	4.0	4.0	5.0	4.0	2.0	1.0	2.0	4.0	4.0	4.0
160°	2.0	3.0	3.0	4.0	4.0	2.0	1.0	2.0	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

(END OF REPORT)