

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: P416923

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6351 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

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

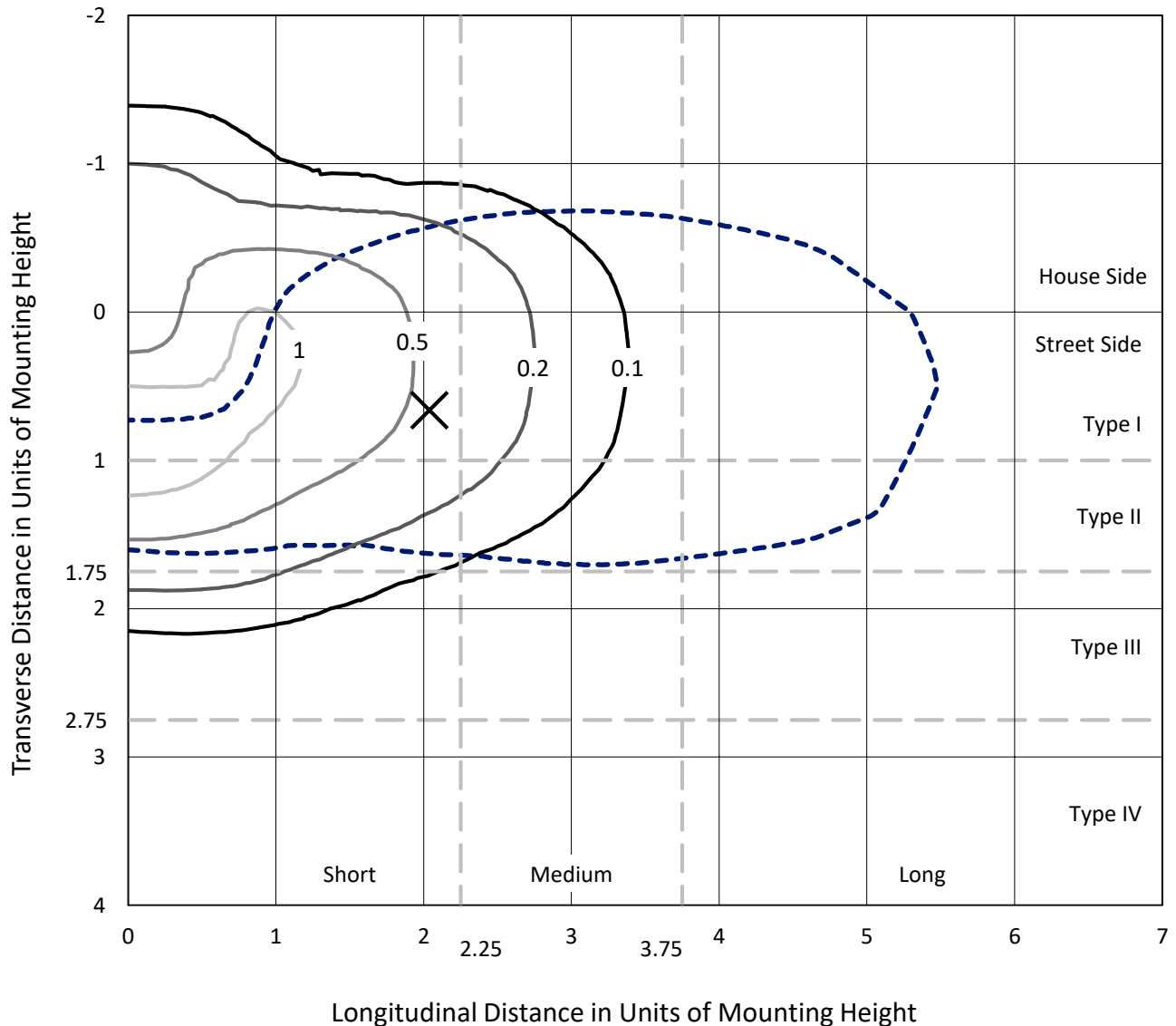


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

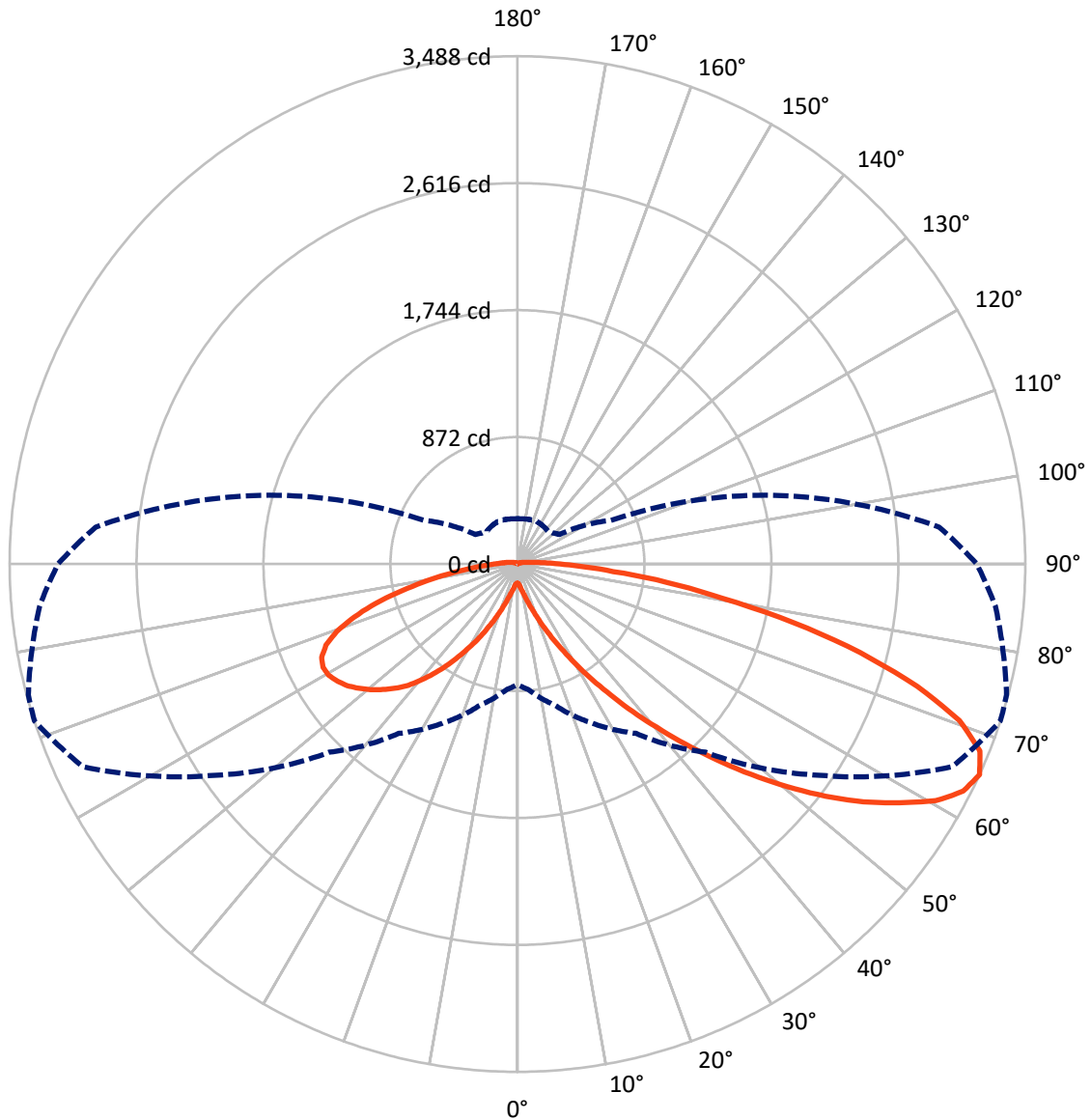


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1790.6	90.1	1880.7
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4382.4	87.9	4470.3
	% Fixture	69.0	1.4	70.4
Total	Lumens	6173.1	178.0	6351.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.2
10°-20°	76.8	1.2
20°-30°	243.4	3.8
30°-40°	583.2	9.2
40°-50°	1076.7	17.0
50°-60°	1467.2	23.1
60°-70°	1430.5	22.5
70°-80°	934.2	14.7
80°-90°	346.1	5.4
90°-100°	96.2	1.5
100°-110°	40.3	0.6
110°-120°	20.3	0.3
120°-130°	11.5	0.2
130°-140°	6.5	0.1
140°-150°	2.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6173.1	97.2
0°-180°	6351.0	100.0



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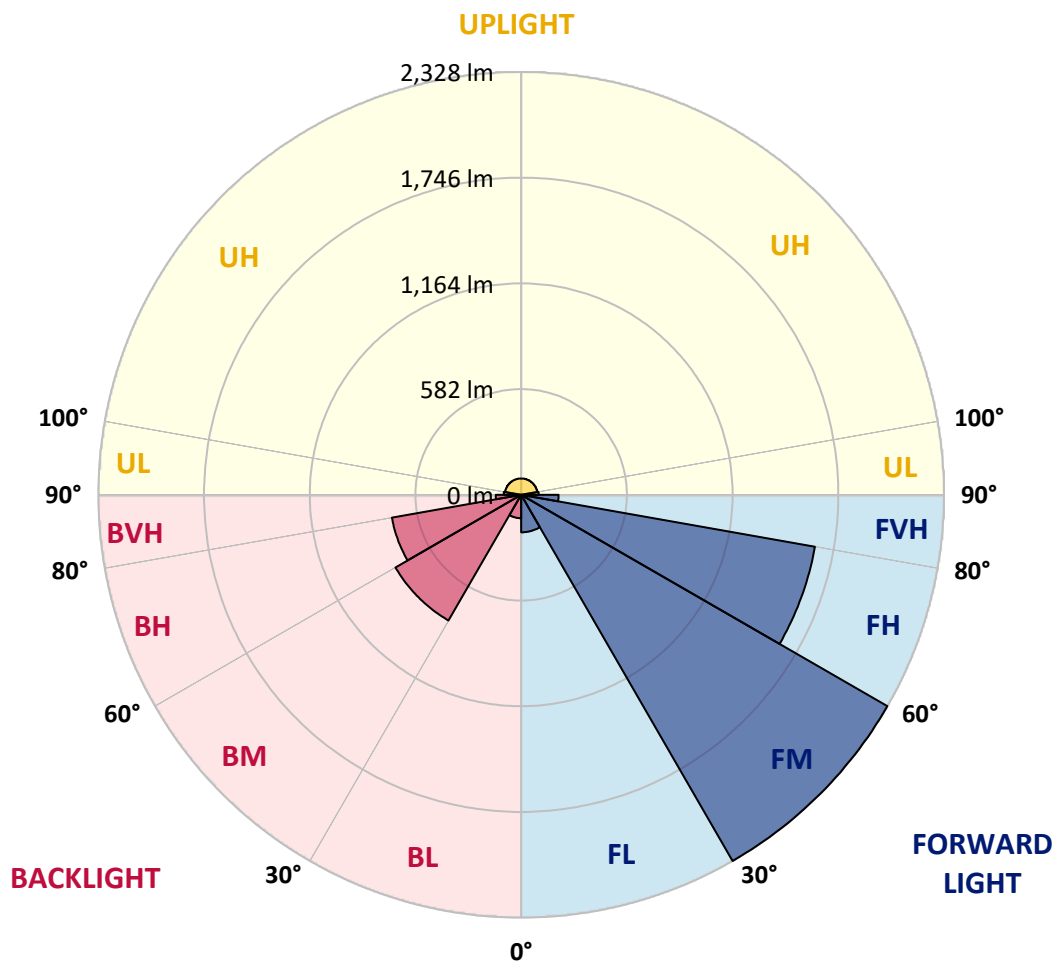
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.3	3.2			
FM	(30°-60°)	2327.9	36.7			
FH	(60°-80°)	1642.2	25.9			G1/1800
FVH	(80°-90°)	206.0	3.2			G2/225
BL	(0°-30°)	128.9	2.0	B1/500		
BM	(30°-60°)	799.2	12.6	B1/1000		
BH	(60°-80°)	722.5	11.4	B2/1000		G2/1000
BVH	(80°-90°)	140.0	2.2			G2/225
UL	(90°-100°)	96.2	1.5		U3/500	
UH	(100°-180°)	90.1	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	146.3	145.5	144.1	143.3	143.3	141.9	140.4	138.2	136.7	136.0	134.5
5°	165.4	163.9	162.5	161.0	159.5	157.3	153.6	151.4	148.5	147.7	144.8
7.5°	192.6	191.1	186.7	185.2	183.0	180.1	175.7	171.3	168.3	166.1	161.7
10°	228.6	227.1	224.2	220.5	216.1	210.2	202.9	198.5	191.1	192.6	186.0
12.5°	277.9	274.2	270.5	264.6	255.8	249.2	238.9	234.5	226.4	226.4	218.3
15°	337.4	336.7	329.3	316.8	308.7	294.8	285.9	276.4	271.2	271.2	264.6
17.5°	414.6	409.4	403.6	386.6	368.3	351.4	339.6	333.0	327.1	325.6	316.8
20°	510.1	502.8	494.0	463.8	441.8	421.2	404.3	399.1	394.7	394.0	386.6
22.5°	631.4	616.0	599.8	570.4	535.1	499.1	487.4	475.6	476.3	477.8	460.9
25°	765.9	761.5	732.9	691.0	644.7	605.0	572.6	568.2	572.6	569.7	563.1
27.5°	938.7	924.0	888.0	834.3	760.8	714.5	679.9	677.0	677.7	681.4	670.4
30°	1140.1	1132.7	1087.2	997.5	902.7	840.9	803.4	798.3	807.1	807.8	790.9
32.5°	1377.5	1362.8	1293.0	1193.0	1063.6	985.0	942.4	940.9	950.4	952.6	939.4
35°	1617.9	1610.5	1541.4	1398.1	1256.2	1137.2	1093.8	1096.7	1103.3	1116.6	1101.1
37.5°	1895.0	1875.2	1786.2	1634.8	1455.4	1312.8	1266.5	1276.8	1287.1	1287.1	1265.8
40°	2156.7	2149.3	2056.0	1865.6	1651.0	1518.7	1467.9	1473.8	1473.1	1473.8	1445.9
42.5°	2399.3	2374.3	2291.9	2089.8	1868.5	1734.0	1673.0	1682.6	1691.4	1698.0	1627.4
45°	2563.2	2541.9	2469.1	2269.9	2074.4	1947.2	1907.5	1907.5	1917.8	1914.9	1845.0
47.5°	2621.3	2618.3	2563.9	2412.5	2233.1	2134.6	2136.8	2144.9	2160.4	2146.4	2046.4
50°	2594.1	2582.3	2572.7	2488.2	2364.7	2317.7	2361.8	2402.9	2404.4	2379.4	2252.3
52.5°	2423.5	2425.0	2473.5	2458.1	2401.5	2449.3	2583.8	2656.5	2649.9	2625.7	2472.8
55°	2164.0	2175.8	2260.3	2325.0	2359.6	2491.9	2748.4	2899.1	2884.4	2850.6	2695.5
57.5°	1818.6	1856.8	1970.0	2111.1	2234.6	2452.2	2838.1	3109.3	3093.9	3093.9	2917.5
60°	1451.0	1481.9	1648.8	1820.8	2015.6	2318.4	2846.9	3263.7	3301.2	3277.7	3074.8
62.5°	1125.4	1138.6	1311.4	1528.2	1737.0	2093.5	2745.5	3337.2	3436.4	3416.6	3215.9
65°	828.4	865.9	1005.6	1204.0	1420.2	1828.1	2528.6	3293.8	3487.9	3477.6	3293.8
67.5°	616.0	632.9	749.8	933.5	1147.4	1498.1	2212.6	3104.2	3426.2	3435.0	3282.1
70°	461.6	466.0	557.2	708.6	890.9	1182.0	1844.3	2801.3	3221.1	3260.8	3177.0
72.5°	349.2	357.2	433.0	552.0	687.3	910.0	1457.6	2389.7	2871.2	2969.7	2938.1
75°	273.4	283.0	335.2	427.1	531.5	688.8	1103.3	1903.1	2432.3	2559.5	2594.8
77.5°	216.1	226.4	270.5	341.1	414.6	531.5	810.8	1423.8	1942.8	2070.0	2172.9
80°	169.8	177.2	216.1	268.3	326.4	392.5	568.2	1035.0	1426.8	1585.5	1679.6
82.5°	129.4	137.5	167.6	211.7	255.8	299.9	405.8	704.2	1035.0	1107.0	1267.3
85°	94.1	101.4	126.4	162.5	197.0	232.3	297.0	469.7	659.4	745.4	826.2
87.5°	69.1	72.0	94.1	120.6	151.4	175.7	213.9	299.9	419.0	461.6	529.2
90°	48.5	51.5	69.1	88.9	114.7	137.5	157.3	198.5	260.9	299.2	311.7
92.5°	36.0	38.2	51.5	66.9	88.2	106.6	119.1	140.4	169.8	186.0	196.3
95°	27.2	29.4	40.4	52.9	68.4	83.8	93.4	101.4	118.3	122.8	131.6
97.5°	22.1	23.5	33.1	43.4	55.1	69.1	74.2	78.7	84.5	88.9	92.6
100°	19.1	19.8	27.9	36.8	47.0	55.9	60.3	62.5	66.2	67.6	69.1
102.5°	16.9	16.9	24.3	31.6	40.4	47.0	50.7	50.7	51.5	52.2	51.5
105°	14.7	15.4	21.3	27.9	34.5	40.4	43.4	41.9	41.2	40.4	38.2
107.5°	14.0	14.0	19.1	25.0	30.9	35.3	37.5	34.5	33.1	31.6	29.4
110°	12.5	13.2	16.9	22.1	27.2	30.9	32.3	29.4	26.5	25.0	22.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.8	12.5	15.4	19.8	24.3	27.9	27.9	25.0	21.3	19.8	18.4
115°	11.8	11.8	14.0	17.6	22.1	25.0	25.0	21.3	17.6	16.2	15.4
117.5°	11.8	11.8	13.2	16.2	19.8	22.1	22.1	18.4	14.7	13.2	13.2
120°	11.0	11.0	12.5	14.7	18.4	19.8	19.1	16.2	12.5	11.8	11.8
122.5°	11.0	11.0	11.8	14.0	16.9	18.4	17.6	14.0	11.0	9.6	10.3
125°	11.8	11.0	11.8	13.2	15.4	16.2	15.4	11.8	9.6	8.8	9.6
127.5°	11.8	11.8	11.0	12.5	14.0	14.7	14.0	10.3	8.1	8.1	8.8
130°	11.8	11.8	11.0	11.8	12.5	13.2	11.8	8.8	7.4	7.4	8.1
132.5°	11.8	11.8	11.0	11.0	11.8	11.8	10.3	7.4	6.6	6.6	7.4
135°	11.8	11.8	10.3	10.3	10.3	10.3	8.8	6.6	5.9	5.9	6.6
137.5°	11.0	11.0	10.3	9.6	9.6	8.8	7.4	5.1	4.4	5.1	5.9
140°	10.3	10.3	9.6	8.1	8.1	7.4	5.9	4.4	3.7	4.4	4.4
142.5°	9.6	9.6	8.8	7.4	6.6	5.9	5.1	2.9	2.9	2.9	3.7
145°	8.8	8.8	8.1	5.9	5.1	4.4	3.7	2.2	2.2	2.2	2.9
147.5°	7.4	7.4	6.6	5.1	3.7	3.7	2.2	1.5	2.2	2.2	2.2
150°	5.9	5.9	5.1	3.7	2.9	2.2	0.7	1.5	1.5	1.5	2.2
152.5°	5.1	5.1	3.7	2.9	1.5	0.7	0.7	0.7	1.5	1.5	1.5
155°	3.7	3.7	2.9	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
157.5°	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	133.0	133.0	132.3	131.6	130.8	130.1	128.6	127.9	127.9	127.2	127.2
5°	143.3	142.6	140.4	138.2	135.3	133.8	131.6	130.1	129.4	128.6	128.6
7.5°	159.5	158.0	153.6	150.0	146.3	143.3	139.7	137.5	136.7	134.5	135.3
10°	182.3	180.1	174.9	168.3	161.7	157.3	152.2	149.2	147.7	146.3	144.8
12.5°	215.4	211.0	202.1	193.3	183.8	174.9	169.8	167.6	169.1	168.3	169.1
15°	260.9	252.9	239.6	226.4	209.5	198.5	197.0	196.3	196.3	197.0	198.5
17.5°	312.4	303.6	286.7	262.4	242.6	231.5	224.9	224.2	227.9	228.6	227.9
20°	380.0	371.2	344.7	311.7	283.0	265.4	256.5	256.5	261.7	263.2	266.1
22.5°	452.8	447.7	411.6	366.1	327.8	299.2	286.7	288.1	295.5	297.7	299.2
25°	554.2	533.7	489.6	427.1	371.9	333.7	316.8	317.5	325.6	331.5	333.7
27.5°	666.0	642.5	577.8	496.2	416.0	362.4	343.3	344.0	353.6	360.9	362.4
30°	785.8	762.3	677.7	564.5	457.2	388.1	362.4	363.1	374.2	382.2	383.7
32.5°	913.7	894.6	776.2	638.0	493.2	405.8	374.9	375.6	385.2	392.5	394.0
35°	1075.4	1032.0	893.1	703.5	523.4	416.8	380.8	380.0	389.6	396.9	398.4
37.5°	1234.9	1188.6	1004.1	764.5	541.0	419.7	379.3	379.3	386.6	392.5	393.3
40°	1408.4	1331.2	1121.0	812.3	547.6	415.3	374.9	374.2	380.0	383.0	383.7
42.5°	1595.1	1500.3	1235.7	850.5	544.7	405.8	366.8	367.5	369.7	369.7	369.0
45°	1763.4	1667.1	1334.2	875.5	534.4	393.3	357.2	358.0	358.7	352.8	352.8
47.5°	1961.2	1844.3	1426.8	881.3	513.8	380.8	349.9	351.4	347.7	339.6	338.1
50°	2148.6	2018.5	1520.1	879.1	492.5	367.5	342.5	344.0	337.4	326.4	324.2
52.5°	2357.4	2190.5	1608.3	868.1	466.8	355.8	337.4	338.9	331.5	318.3	316.1
55°	2563.2	2372.8	1689.2	849.0	444.7	343.3	332.3	335.9	326.4	313.1	312.4
57.5°	2759.4	2553.6	1756.1	821.1	421.2	334.5	328.6	333.0	324.2	310.9	310.2
60°	2934.4	2707.3	1809.7	793.9	395.5	325.6	324.9	330.8	322.7	311.7	310.9
62.5°	3057.2	2845.5	1834.0	757.1	374.9	316.1	320.5	326.4	320.5	311.7	311.7
65°	3154.9	2907.2	1824.4	708.6	352.8	305.8	314.6	320.5	316.8	310.9	311.7
67.5°	3136.5	2905.7	1762.0	650.5	332.3	294.8	304.3	312.4	309.5	307.3	306.5
70°	3023.3	2768.3	1642.1	587.3	310.9	280.8	291.8	299.9	299.2	298.4	298.4
72.5°	2790.3	2530.1	1462.8	514.5	288.9	266.1	275.7	283.0	284.5	283.7	281.5
75°	2486.0	2202.3	1254.8	446.2	266.1	248.5	258.7	263.2	265.4	263.9	263.9
77.5°	2039.8	1836.2	997.5	377.1	241.8	228.6	236.0	239.6	242.6	238.9	236.7
80°	1620.8	1396.6	767.4	308.0	215.4	206.6	210.2	211.7	214.6	211.0	206.6
82.5°	1137.9	995.3	556.4	251.4	188.9	181.6	183.8	183.0	184.5	179.4	173.5
85°	760.1	668.9	383.0	202.1	161.7	155.1	155.1	152.9	151.4	146.3	141.9
87.5°	477.1	423.4	263.2	159.5	136.0	130.8	127.9	123.5	122.0	118.3	113.2
90°	294.0	270.5	183.8	127.9	113.2	108.8	105.8	99.2	98.5	92.6	88.9
92.5°	192.6	176.4	136.0	103.6	94.8	90.4	86.7	80.9	80.1	75.7	73.5
95°	127.2	123.5	103.6	86.7	80.1	76.4	72.8	67.6	66.2	61.7	58.8
97.5°	93.4	93.4	85.3	73.5	68.4	64.7	62.5	58.1	55.1	50.7	49.2
100°	70.6	71.3	68.4	63.2	58.8	55.1	52.9	49.2	47.0	42.6	41.9
102.5°	54.4	55.9	56.6	53.7	50.7	47.8	45.6	42.6	39.7	35.3	34.5
105°	41.9	43.4	46.3	45.6	44.1	41.9	39.7	36.8	33.1	29.4	29.4
107.5°	32.3	33.8	38.2	39.0	38.2	36.0	34.5	31.6	28.7	25.0	25.0
110°	25.0	27.2	31.6	33.1	33.1	31.6	30.1	27.2	23.5	21.3	21.3



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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	22.8	26.5	28.7	28.7	27.9	25.7	22.8	19.8	18.4	18.4
115°	16.9	19.1	22.8	25.0	25.0	24.3	22.8	19.8	16.9	16.2	16.2
117.5°	14.7	16.2	19.1	21.3	22.1	21.3	19.8	16.9	14.7	14.7	14.7
120°	13.2	14.7	16.9	18.4	19.1	18.4	16.9	14.7	12.5	13.2	13.2
122.5°	11.8	12.5	14.7	16.9	16.9	16.9	15.4	12.5	11.0	11.8	11.8
125°	10.3	11.8	13.2	14.7	15.4	14.7	13.2	11.0	9.6	10.3	11.0
127.5°	9.6	10.3	11.8	13.2	13.2	13.2	11.8	9.6	8.8	9.6	9.6
130°	8.8	9.6	10.3	11.8	11.8	11.8	10.3	8.1	8.1	8.8	8.8
132.5°	8.1	8.8	9.6	10.3	10.3	10.3	8.8	7.4	6.6	8.1	8.1
135°	7.4	7.4	8.1	8.8	8.8	8.8	7.4	5.9	5.9	7.4	7.4
137.5°	5.9	6.6	7.4	7.4	7.4	7.4	5.9	5.1	5.1	5.9	5.9
140°	5.1	5.1	5.9	5.9	5.9	5.9	5.1	3.7	4.4	5.1	5.1
142.5°	4.4	4.4	5.1	5.1	5.1	4.4	3.7	2.9	3.7	4.4	4.4
145°	2.9	3.7	3.7	3.7	3.7	2.9	2.2	2.2	2.9	3.7	3.7
147.5°	2.9	2.9	2.9	2.9	2.9	2.2	1.5	1.5	2.2	2.9	2.9
150°	2.2	2.2	2.9	2.9	2.2	1.5	0.7	0.7	1.5	2.2	2.2
152.5°	1.5	1.5	2.2	2.2	1.5	0.7	0.0	0.0	0.7	0.7	0.7
155°	1.5	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.7	0.7	0.7	0.7	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)