

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: P414828

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2626 lumens
Efficiency: N/A
Efficacy: 84.7 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: B1 - U2 - G1

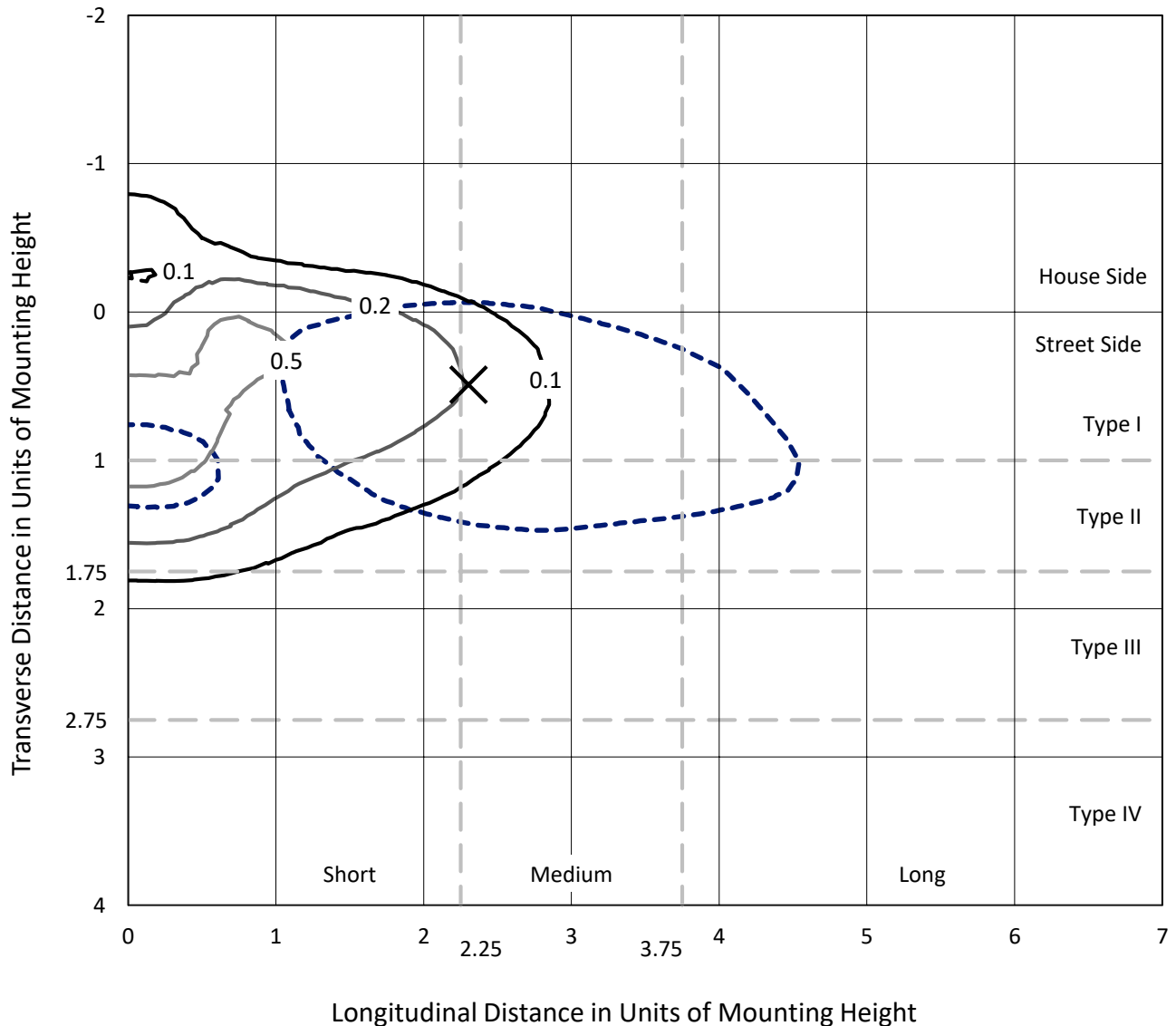
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

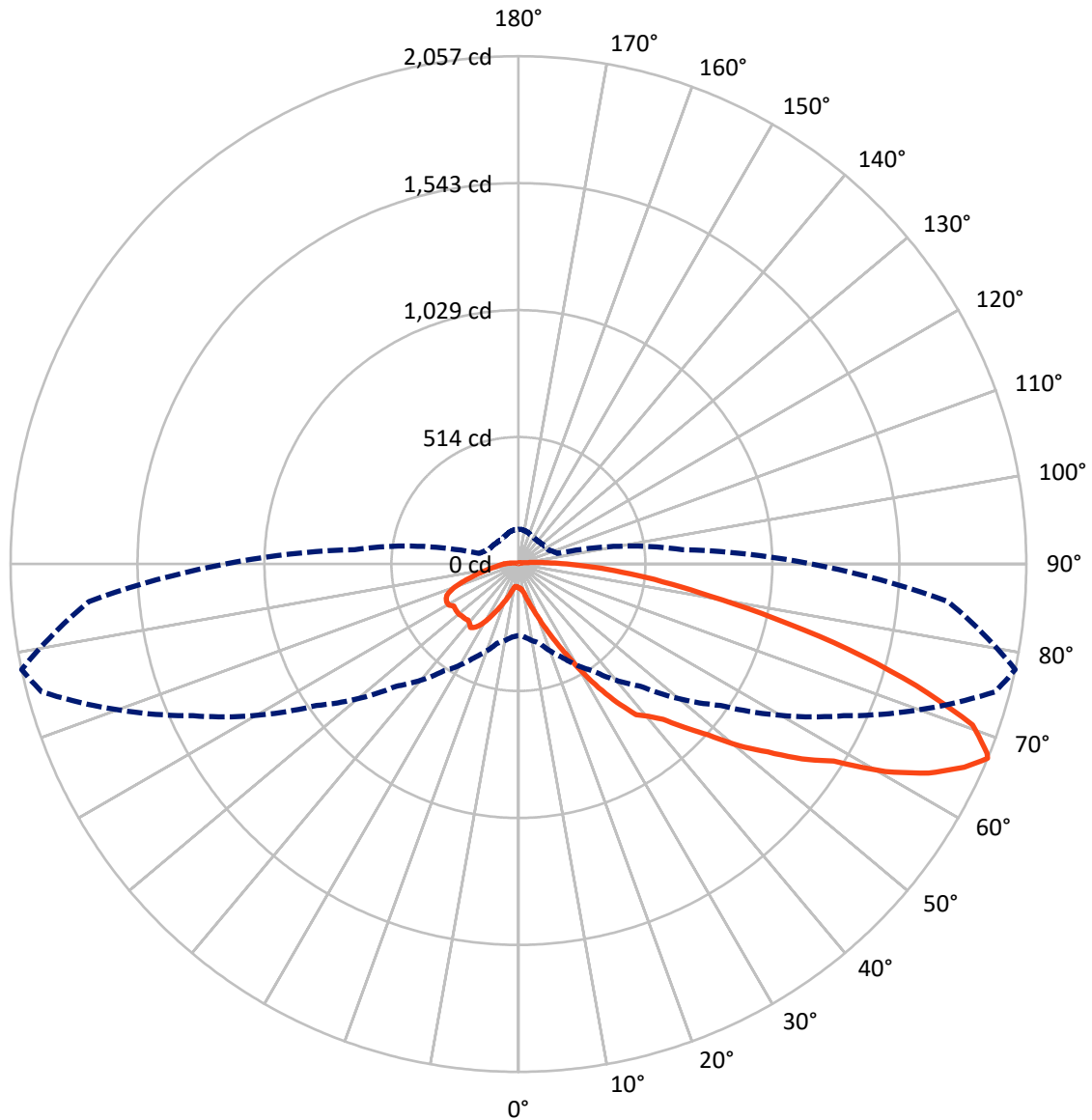
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.8	39.7	525.5
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	2058.1	42.3	2100.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	2543.9	82.0	2626.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.4
10°-20°	40.8	1.6
20°-30°	122.5	4.7
30°-40°	280.5	10.7
40°-50°	448.0	17.1
50°-60°	552.1	21.0
60°-70°	575.4	21.9
70°-80°	373.1	14.2
80°-90°	141.8	5.4
90°-100°	43.8	1.7
100°-110°	16.8	0.6
110°-120°	9.1	0.3
120°-130°	6.0	0.2
130°-140°	4.0	0.2
140°-150°	1.8	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2543.9	96.9
0°-180°	2626.0	100.0



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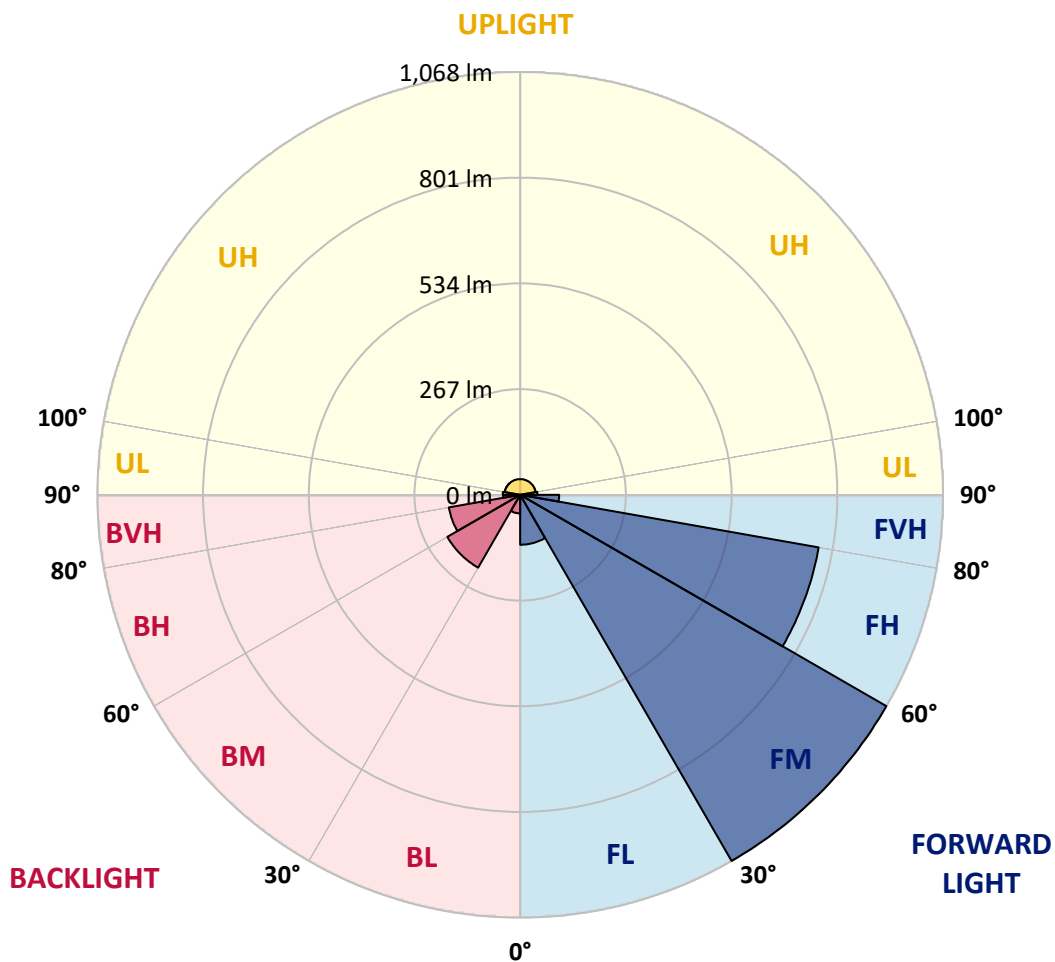
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.1	4.8			
FM	(30°-60°)	1068.1	40.7			
FH	(60°-80°)	765.5	29.2			G1/1800
FVH	(80°-90°)	98.4	3.7			G1/100
BL	(0°-30°)	46.9	1.8	B0/110		
BM	(30°-60°)	212.4	8.1	B0/220		
BH	(60°-80°)	183.0	7.0	B1/500		G1/500
BVH	(80°-90°)	43.4	1.7			G1/100
UL	(90°-100°)	43.8	1.7		U2/50	
UH	(100°-180°)	39.7	1.5		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2.5°	108.2	107.9	107.5	106.9	105.7	104.4	102.6	100.1	98.2	97.9	96.0
5°	121.8	120.9	120.9	119.4	116.9	114.4	110.7	106.3	102.9	101.0	98.2
7.5°	138.6	136.8	137.4	134.9	131.5	127.1	121.2	115.3	108.8	106.9	102.9
10°	158.8	157.6	156.3	153.2	149.2	142.4	136.8	128.1	119.4	116.9	110.7
12.5°	183.4	183.7	180.0	176.5	169.7	162.9	156.0	147.6	138.0	135.2	127.1
15°	217.9	217.6	213.5	205.8	197.4	189.9	184.3	175.3	166.0	162.9	150.8
17.5°	258.3	257.4	254.3	240.6	232.2	226.3	218.2	212.6	199.2	195.8	180.9
20°	317.4	311.8	304.6	286.3	273.8	266.4	259.9	252.7	238.4	232.5	214.8
22.5°	382.9	385.7	372.7	344.4	323.6	309.9	303.1	299.3	288.4	284.4	257.7
25°	464.4	464.4	443.9	412.8	385.7	360.2	358.7	363.0	348.4	345.6	317.4
27.5°	550.2	553.6	526.5	493.3	452.3	422.4	420.9	424.6	423.3	415.3	374.9
30°	648.1	645.0	614.5	574.1	519.7	484.6	480.2	507.3	509.4	503.8	459.7
32.5°	762.1	759.7	721.4	659.0	591.8	551.4	554.2	592.4	607.4	597.7	546.1
35°	900.8	903.9	843.9	755.9	667.3	620.7	623.8	671.7	699.7	687.9	629.7
37.5°	1043.1	1044.1	989.0	870.0	748.5	682.3	689.7	748.2	784.2	774.6	694.7
40°	1133.3	1142.6	1089.8	976.6	833.9	743.8	750.0	807.8	829.0	810.9	717.1
42.5°	1212.2	1219.4	1165.6	1044.1	898.9	798.8	796.6	840.5	870.9	859.7	763.1
45°	1251.1	1265.1	1216.6	1091.0	944.6	841.7	824.9	890.5	958.3	944.3	837.7
47.5°	1222.8	1239.9	1219.4	1115.6	965.1	868.8	872.5	962.6	1050.3	1034.7	919.1
50°	1130.5	1151.0	1157.8	1097.2	970.4	882.1	921.9	1043.1	1160.6	1157.5	1019.2
52.5°	1019.2	1030.1	1059.9	1041.9	950.8	897.7	975.4	1121.1	1274.4	1264.8	1102.2
55°	916.3	930.6	955.2	944.6	902.3	899.5	1017.6	1208.2	1395.3	1394.1	1206.6
57.5°	774.6	794.5	846.1	852.0	839.5	888.0	1048.4	1276.6	1502.2	1506.6	1311.4
60°	594.6	611.4	689.7	752.2	763.1	861.0	1064.0	1351.8	1685.0	1707.7	1494.5
62.5°	482.1	485.2	544.6	622.6	696.6	811.6	1066.4	1446.9	1844.8	1865.3	1604.2
65°	360.9	360.2	415.0	503.8	606.7	753.8	1058.7	1476.7	1931.5	1984.0	1708.9
67°	290.0	296.8	332.0	416.5	529.0	699.7	998.4	1454.7	1999.5	2057.4	1747.2
67.5°	278.8	282.2	314.2	394.1	511.3	683.5	980.7	1449.1	1999.2	2048.3	1735.7
70°	222.6	227.2	250.5	303.4	409.0	577.5	856.0	1319.1	1880.8	1952.3	1630.3
72.5°	171.9	175.6	192.1	232.2	311.4	465.0	708.1	1135.1	1628.7	1685.3	1382.2
75°	130.9	132.1	147.6	175.0	237.8	354.7	546.7	893.9	1339.3	1382.2	1123.3
77.5°	101.3	104.1	115.9	134.3	176.5	267.0	411.5	696.2	1065.5	1059.0	854.1
80°	78.9	81.4	90.1	102.9	132.4	196.1	301.2	514.7	778.3	786.1	625.4
82.5°	63.4	65.3	71.2	80.5	102.0	149.2	220.1	384.8	591.8	589.0	458.5
85°	50.7	51.9	56.3	64.3	78.6	113.1	162.6	286.0	417.7	421.2	313.0
87.5°	39.5	41.0	46.0	51.0	62.2	86.1	120.0	198.3	277.9	280.7	215.1
90°	30.8	31.7	36.1	41.3	50.4	65.3	86.7	135.8	179.0	175.6	138.3
92.5°	22.7	23.6	27.7	32.6	39.2	50.4	62.5	87.0	104.7	106.9	86.4
95°	16.2	17.1	20.5	24.2	29.8	38.2	44.4	55.3	64.3	62.5	55.3
97.5°	12.4	12.7	15.2	18.0	22.7	29.5	32.9	38.2	42.3	41.3	38.5
100°	9.9	10.3	12.1	13.7	17.7	23.3	26.4	29.2	31.7	30.8	29.5
102.5°	8.4	8.7	9.9	11.2	14.6	19.6	21.4	23.3	24.2	24.2	23.6
105°	7.1	7.5	8.4	9.6	12.4	16.2	17.4	18.3	19.3	19.0	19.0
107.5°	6.5	6.5	7.5	8.4	10.9	13.7	14.3	14.6	14.9	14.9	15.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	5.9	6.2	6.8	7.5	9.6	12.1	12.1	11.8	11.8	11.8	12.7
112.5°	5.6	5.9	6.2	7.1	9.0	10.6	10.3	9.6	9.6	9.9	10.9
115°	5.6	5.6	5.9	6.8	8.4	9.6	9.0	8.1	8.1	8.4	9.3
117.5°	5.6	5.6	6.2	6.8	8.1	8.7	8.1	7.1	6.8	7.1	8.1
120°	5.9	5.9	6.2	6.8	7.5	8.1	7.5	6.5	6.2	6.5	7.5
122.5°	6.2	6.2	6.2	6.8	7.1	7.5	6.8	5.9	5.6	5.9	6.8
125°	6.5	6.5	6.5	6.8	7.1	6.8	6.2	5.6	5.6	5.6	6.5
127.5°	7.1	7.1	7.1	7.1	6.8	6.5	5.9	5.3	5.6	5.6	6.2
130°	7.8	7.8	7.5	7.1	6.8	6.2	5.6	5.0	5.3	5.6	6.2
132.5°	8.1	7.8	7.5	6.8	6.5	5.6	5.0	4.7	5.0	5.3	5.9
135°	7.5	7.5	6.8	6.2	5.9	5.0	4.4	4.4	4.7	5.0	5.3
137.5°	6.5	6.5	6.2	5.6	5.3	4.7	4.0	3.7	4.4	4.7	5.0
140°	5.6	5.6	5.3	4.7	4.4	4.0	3.4	3.1	3.7	4.0	4.4
142.5°	4.7	4.7	4.4	3.7	3.7	3.4	2.8	2.8	3.4	3.4	3.7
145°	3.7	3.7	3.7	3.1	3.1	2.8	2.2	2.5	2.8	3.1	3.1
147.5°	3.1	3.1	3.1	2.5	2.5	2.2	1.6	1.9	2.2	2.5	2.5
150°	2.5	2.5	2.5	2.2	1.9	1.6	1.2	1.6	1.6	1.9	1.9
152.5°	1.9	1.9	1.9	1.6	1.6	0.9	0.9	1.2	1.2	1.6	1.6
155°	1.2	1.2	1.6	1.2	0.9	0.6	0.9	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2.5°	95.1	94.5	92.9	91.4	89.8	88.6	87.0	86.7	86.7	86.1	86.1
5°	96.4	94.5	90.8	87.7	84.2	81.4	79.3	78.3	77.4	76.8	76.2
7.5°	99.2	96.0	89.8	84.9	79.9	75.5	72.4	70.9	69.9	69.0	69.3
10°	105.7	101.0	92.0	83.9	76.5	70.6	66.8	65.0	64.3	63.4	63.4
12.5°	119.7	113.5	100.4	86.7	75.2	67.1	62.8	62.2	62.8	63.7	63.7
15°	141.7	132.4	113.5	94.5	78.0	66.5	64.0	65.9	68.1	69.3	69.3
17.5°	168.8	156.0	129.0	103.5	82.1	72.1	69.0	71.5	74.3	76.2	76.2
20°	198.6	181.5	144.8	111.3	88.0	79.9	76.5	78.6	82.4	85.2	84.9
22.5°	237.5	212.6	163.2	118.1	95.1	87.0	84.9	87.7	93.2	97.0	97.3
25°	285.6	251.5	184.6	127.1	101.6	93.2	93.9	98.8	106.3	110.3	110.3
27.5°	336.9	293.7	203.0	136.1	108.5	99.8	102.9	109.7	117.8	122.5	123.1
30°	404.7	348.1	226.0	145.2	114.4	106.3	110.0	118.1	124.0	126.8	127.1
32.5°	473.7	399.7	244.3	154.5	120.0	111.0	114.4	122.2	127.4	130.5	130.2
35°	536.2	441.4	255.2	158.8	125.0	114.4	115.9	124.3	127.4	129.3	129.0
37.5°	584.0	471.2	259.2	159.8	126.8	115.9	116.6	123.7	128.1	131.5	130.9
40°	592.1	467.2	244.0	154.2	126.5	115.9	117.2	125.3	129.9	131.5	131.2
42.5°	622.0	478.4	230.9	144.2	122.8	115.6	118.4	125.9	128.1	127.1	126.2
45°	673.9	502.0	227.2	139.2	118.1	114.7	119.0	124.3	124.0	122.2	121.5
47.5°	725.2	524.7	219.1	137.1	116.9	114.4	118.7	122.5	123.4	121.5	120.9
50°	790.4	554.8	212.6	134.0	117.2	114.4	118.1	122.5	123.1	120.0	119.7
52.5°	848.9	575.6	203.0	131.2	117.5	115.3	118.1	122.5	122.8	119.7	119.0
55°	909.8	597.7	193.0	128.4	118.4	116.2	119.0	122.8	123.1	120.9	120.3
57.5°	970.7	617.0	181.8	126.2	119.4	118.1	119.7	123.1	125.6	125.0	125.0
60°	1095.0	672.3	180.0	126.5	120.3	119.7	120.3	124.6	129.3	127.7	128.1
62.5°	1144.1	684.1	176.5	130.5	123.1	120.9	121.2	125.9	130.9	133.0	132.7
65°	1188.9	685.1	169.7	133.3	126.5	121.8	121.8	126.2	134.6	139.6	139.6
67°	1186.4	666.4	164.7	133.7	128.1	122.8	121.5	126.2	134.9	140.5	140.8
67.5°	1172.1	654.3	162.9	133.7	128.4	122.8	121.2	125.9	134.9	140.8	140.8
70°	1086.0	590.6	150.8	130.2	127.4	121.2	119.4	122.8	133.0	141.1	141.1
72.5°	899.5	486.1	133.7	121.8	121.5	117.2	114.4	118.1	128.1	136.5	136.1
75°	727.0	388.5	116.6	109.4	112.5	109.4	107.2	110.0	119.7	128.1	127.4
77.5°	543.3	291.9	100.7	97.6	102.0	99.8	97.9	100.7	110.0	118.1	116.9
80°	401.6	225.0	87.7	86.4	89.5	88.9	88.3	89.5	97.6	102.9	102.0
82.5°	295.6	171.3	75.5	74.6	78.3	78.3	78.3	79.3	85.2	87.0	86.1
85°	210.1	129.0	66.5	64.0	67.1	68.7	69.6	69.9	73.0	73.4	71.2
87.5°	148.0	101.6	59.7	54.4	55.9	59.4	60.9	60.6	61.9	60.9	58.7
90°	103.2	79.9	54.1	46.3	46.3	49.7	52.2	51.9	52.2	49.7	47.6
92.5°	72.7	60.3	45.7	38.2	37.6	41.0	43.2	42.9	42.9	40.4	38.2
95°	48.8	44.4	36.4	30.8	29.8	32.6	34.8	34.2	34.2	31.7	30.8
97.5°	36.1	33.9	29.8	26.1	24.2	25.8	27.4	27.4	27.7	26.1	25.2
100°	28.3	27.4	25.5	22.4	20.5	20.8	21.8	21.8	23.0	21.8	21.1
102.5°	23.6	23.0	21.4	19.3	17.7	17.4	18.0	18.3	19.9	19.0	18.6
105°	19.6	19.3	18.3	16.5	15.2	15.2	15.2	15.5	17.1	16.5	16.5
107.5°	15.9	15.9	15.9	14.3	13.4	13.4	13.1	13.4	14.6	14.6	14.6



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.4	13.4	13.7	12.4	11.8	11.8	11.5	11.8	13.1	13.4	13.4
112.5°	11.5	11.5	11.8	11.2	10.6	10.6	10.3	10.3	11.5	12.4	12.4
115°	9.9	10.3	10.3	9.9	9.6	9.3	9.0	9.3	10.6	11.5	11.5
117.5°	8.7	9.0	9.3	9.0	8.7	8.4	8.1	8.4	9.6	10.9	10.9
120°	7.8	8.1	8.4	8.4	8.1	7.8	7.1	7.8	8.7	9.9	10.3
122.5°	7.1	7.5	7.5	7.5	7.5	6.8	6.5	6.8	7.8	9.0	9.3
125°	6.8	6.8	7.1	7.1	6.8	6.2	5.9	6.2	6.8	7.8	8.1
127.5°	6.5	6.5	6.8	6.8	6.2	5.6	5.3	5.6	6.2	6.8	6.8
130°	6.5	6.5	6.5	6.2	5.9	5.3	4.7	5.0	5.6	6.2	6.2
132.5°	6.2	5.9	5.9	5.9	5.3	4.7	4.4	4.4	5.0	5.6	5.6
135°	5.6	5.6	5.3	5.3	5.0	4.0	3.7	3.7	4.4	5.0	5.0
137.5°	5.0	5.0	4.7	4.7	4.4	3.7	3.1	3.4	4.0	4.0	4.4
140°	4.4	4.4	4.0	4.0	3.7	3.1	2.5	2.8	3.4	3.4	3.7
142.5°	3.7	3.7	3.7	3.4	3.1	2.5	2.2	2.5	3.1	3.1	3.1
145°	3.1	3.1	3.1	2.8	2.5	1.9	1.6	2.2	2.8	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	1.9	1.6	1.2	1.9	2.2	2.2	2.2
150°	1.9	1.9	1.9	1.9	1.6	0.9	0.9	1.6	1.9	1.9	1.9
152.5°	1.6	1.6	1.6	1.9	1.6	0.6	0.6	1.2	1.6	1.6	1.6
155°	1.2	1.2	1.6	1.6	1.2	0.6	0.3	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	1.2	1.2	0.9	0.6	0.3	0.6	1.2	0.9	0.9
160°	0.6	0.9	0.9	0.9	0.9	0.6	0.0	0.6	0.9	0.6	0.6
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)