

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: P414724

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414724
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-PA1-30-750-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 3572 lumens
Efficiency: N/A
Efficacy: 115.2 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 - U3 - G2

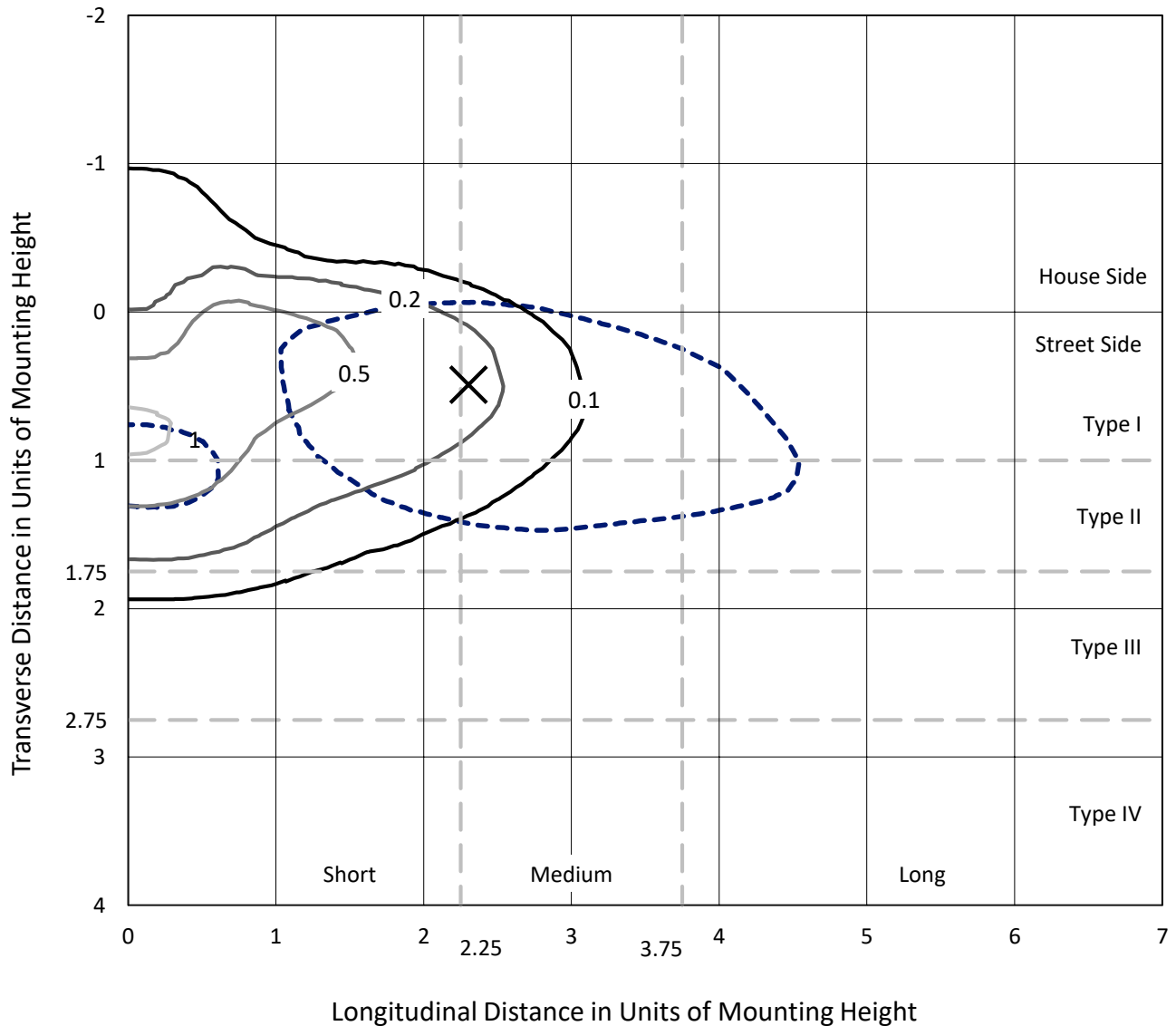
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

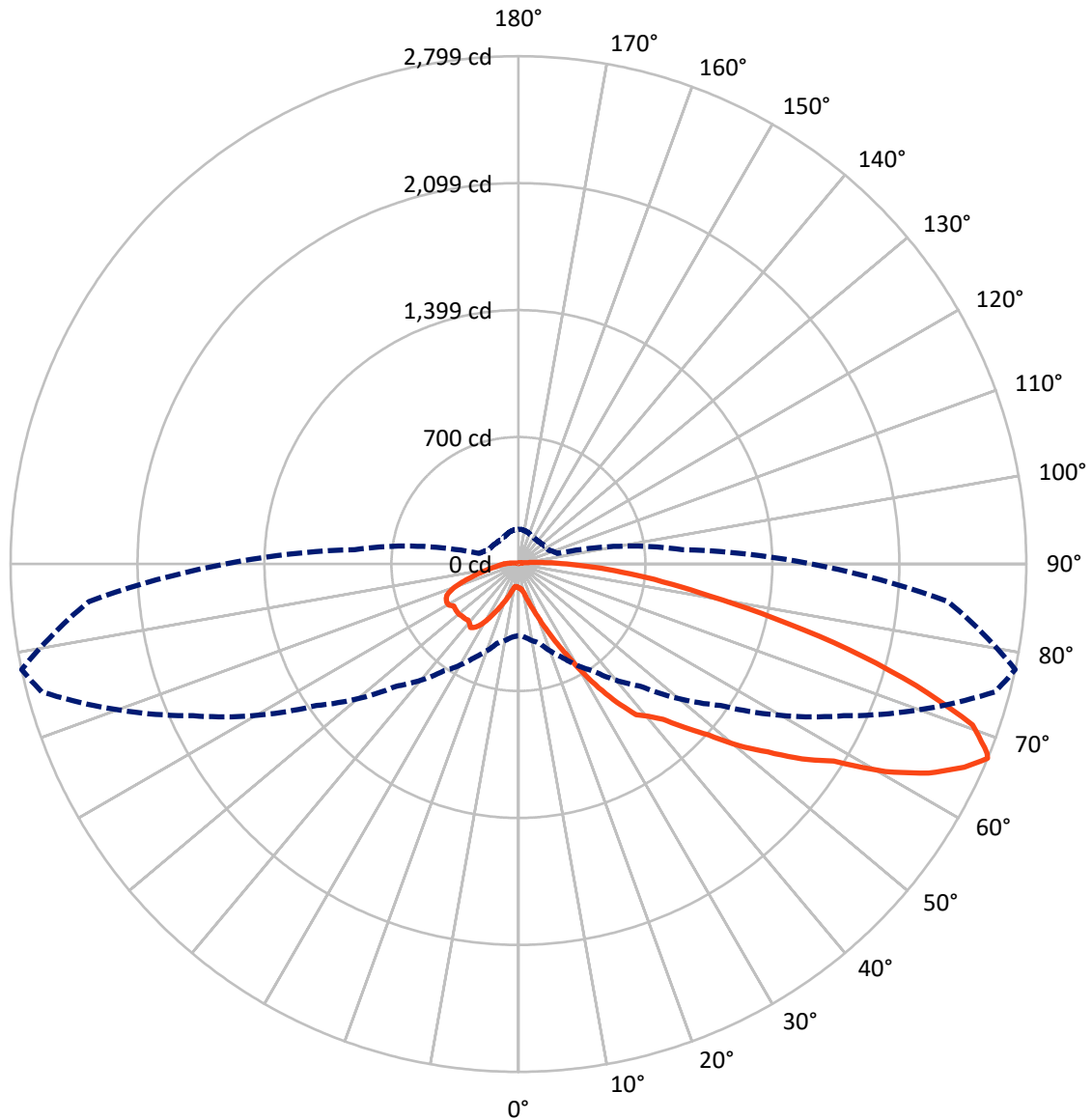
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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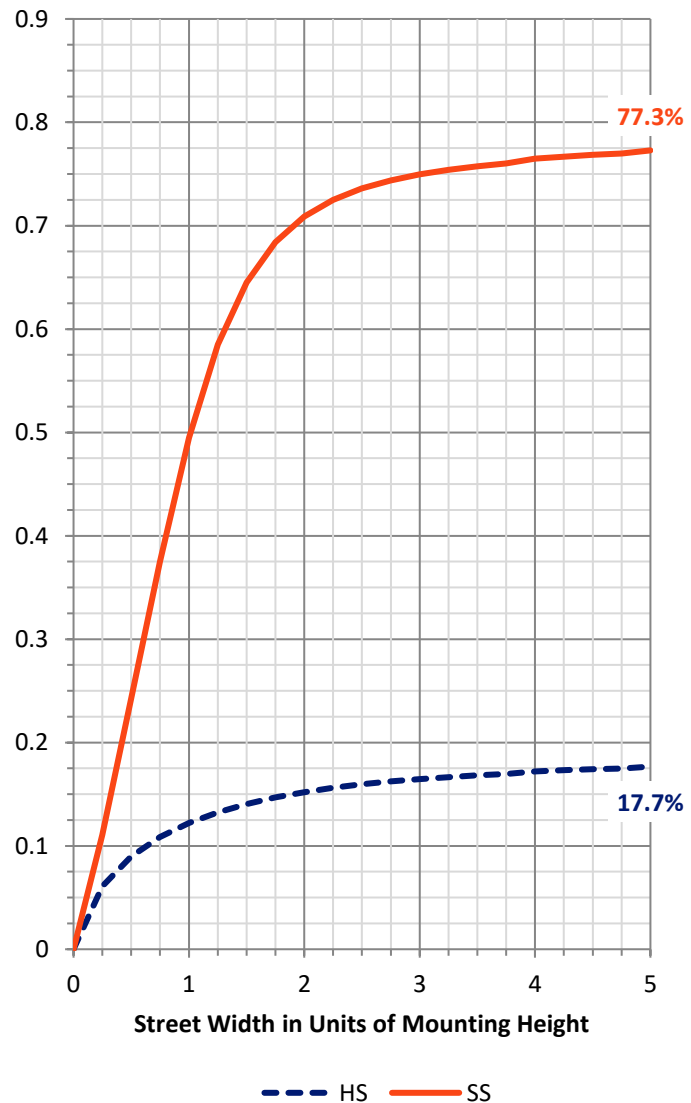
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.8	54.1	714.9
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	2799.6	57.6	2857.1
	% Fixture	78.4	1.6	80.0
Total	Lumens	3460.4	111.6	3572.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.4
10°-20°	55.5	1.6
20°-30°	166.7	4.7
30°-40°	381.5	10.7
40°-50°	609.3	17.1
50°-60°	751.0	21.0
60°-70°	782.7	21.9
70°-80°	507.5	14.2
80°-90°	192.9	5.4
90°-100°	59.6	1.7
100°-110°	22.9	0.6
110°-120°	12.4	0.3
120°-130°	8.2	0.2
130°-140°	5.4	0.2
140°-150°	2.4	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3460.4	96.9
0°-180°	3572.0	100.0

Coefficient of Utilization



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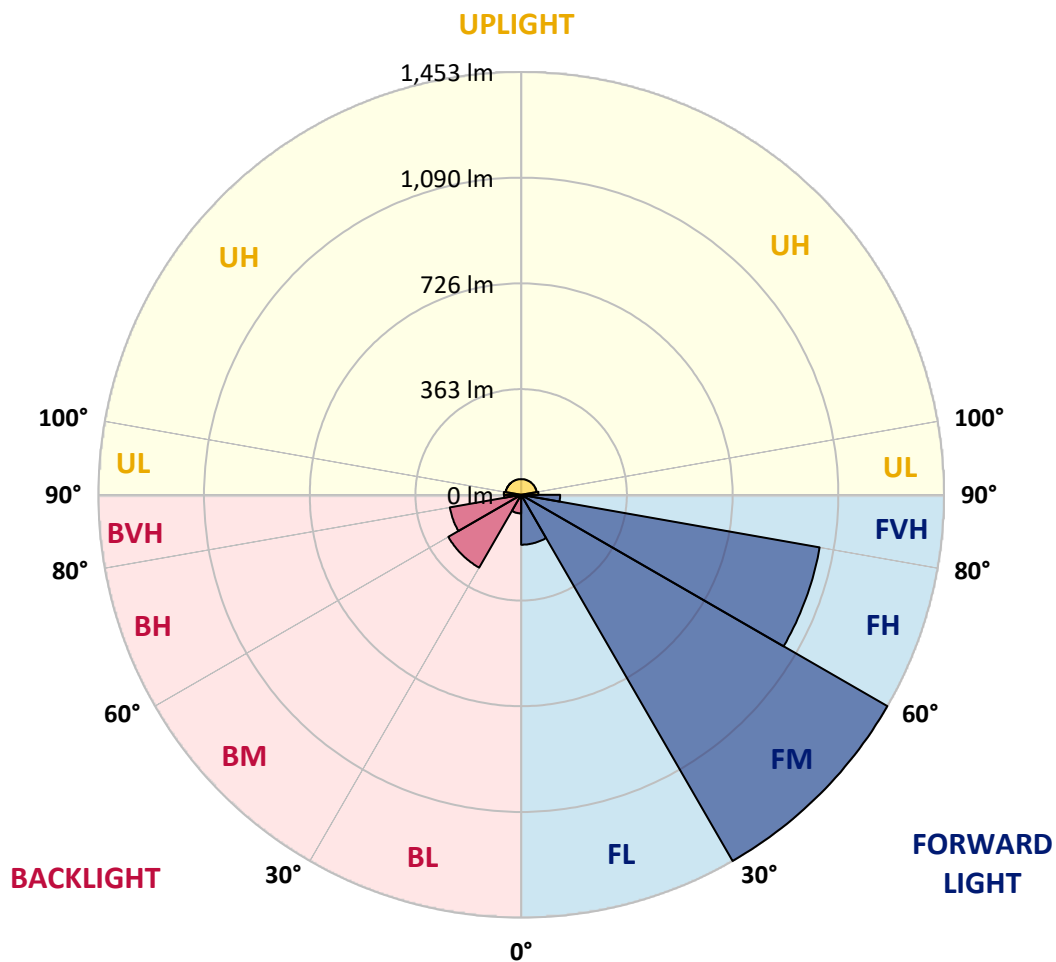
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.5	4.8			
FM (30°-60°)	1452.9	40.7			
FH (60°-80°)	1041.3	29.2			G1/1800
FVH (80°-90°)	133.8	3.7			G2/225
BL (0°-30°)	63.8	1.8	B0/110		
BM (30°-60°)	288.9	8.1	B1/1000		
BH (60°-80°)	249.0	7.0	B1/500		G1/500
BVH (80°-90°)	59.1	1.7			G1/100
UL (90°-100°)	59.6	1.7		U3/500	
UH (100°-180°)	54.1	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	147.1	146.7	146.3	145.4	143.8	142.1	139.5	136.1	133.6	133.2	130.6
5°	165.7	164.5	164.5	162.4	159.0	155.6	150.5	144.6	139.9	137.4	133.6
7.5°	188.6	186.0	186.9	183.5	178.8	172.9	164.9	156.9	148.0	145.4	139.9
10°	216.1	214.4	212.7	208.4	202.9	193.6	186.0	174.2	162.4	159.0	150.5
12.5°	249.5	249.9	244.8	240.1	230.8	221.5	212.2	200.8	187.7	183.9	172.9
15°	296.4	296.0	290.5	279.9	268.5	258.3	250.7	238.5	225.8	221.5	205.1
17.5°	351.3	350.1	345.8	327.2	315.8	307.8	296.8	289.2	271.0	266.4	246.1
20°	431.7	424.1	414.3	389.4	372.5	362.3	353.5	343.7	324.3	316.3	292.2
22.5°	520.9	524.7	506.9	468.5	440.1	421.5	412.2	407.2	392.4	386.9	350.5
25°	631.7	631.7	603.8	561.5	524.7	490.0	487.9	493.8	474.0	470.2	431.7
27.5°	748.4	753.0	716.2	671.0	615.2	574.6	572.5	577.5	575.9	564.9	509.9
30°	881.5	877.3	835.9	780.9	706.9	659.1	653.2	690.0	693.0	685.4	625.3
32.5°	1036.7	1033.3	981.3	896.3	805.0	750.0	753.9	805.9	826.1	813.0	742.9
35°	1225.3	1229.5	1147.9	1028.2	907.7	844.3	848.6	913.7	951.7	935.7	856.6
37.5°	1418.9	1420.2	1345.3	1183.4	1018.1	928.0	938.2	1017.7	1066.7	1053.6	945.0
40°	1541.5	1554.2	1482.3	1328.4	1134.4	1011.8	1020.2	1098.9	1127.6	1103.1	975.4
42.5°	1648.9	1658.6	1585.5	1420.2	1222.7	1086.6	1083.6	1143.2	1184.7	1169.5	1038.0
45°	1701.8	1720.8	1654.8	1484.0	1284.9	1144.9	1122.1	1211.3	1303.5	1284.5	1139.4
47.5°	1663.3	1686.5	1658.6	1517.4	1312.8	1181.7	1186.8	1309.4	1428.6	1407.5	1250.2
50°	1537.7	1565.6	1574.9	1492.5	1320.0	1199.9	1254.0	1418.9	1578.7	1574.5	1386.4
52.5°	1386.4	1401.2	1441.7	1417.2	1293.3	1221.0	1326.7	1525.0	1733.5	1720.4	1499.2
55°	1246.4	1265.9	1299.3	1284.9	1227.4	1223.6	1384.2	1643.4	1897.9	1896.3	1641.3
57.5°	1053.6	1080.7	1150.9	1158.9	1142.0	1207.9	1426.1	1736.4	2043.4	2049.3	1783.8
60°	808.8	831.6	938.2	1023.2	1038.0	1171.2	1447.2	1838.8	2292.0	2322.9	2032.8
62.5°	655.8	660.0	740.7	846.9	947.5	1103.9	1450.6	1968.1	2509.3	2537.2	2182.1
65°	490.9	490.0	564.4	685.4	825.3	1025.3	1440.1	2008.7	2627.3	2698.7	2324.5
67°	394.5	403.8	451.5	566.6	719.6	951.7	1358.0	1978.7	2719.9	2798.5	2376.6
67.5°	379.3	383.9	427.4	536.1	695.5	929.7	1333.9	1971.1	2719.4	2786.2	2360.9
70°	302.7	309.1	340.8	412.7	556.4	785.6	1164.4	1794.4	2558.4	2655.6	2217.6
72.5°	233.8	238.9	261.3	315.8	423.6	632.5	963.1	1544.1	2215.5	2292.4	1880.2
75°	178.0	179.7	200.8	238.0	323.4	482.4	743.7	1216.0	1821.8	1880.2	1528.0
77.5°	137.8	141.6	157.7	182.6	240.1	363.2	559.8	947.1	1449.4	1440.5	1161.9
80°	107.4	110.8	122.6	139.9	180.1	266.8	409.7	700.2	1058.7	1069.3	850.7
82.5°	86.3	88.8	96.8	109.5	138.7	202.9	299.3	523.4	805.0	801.2	623.6
85°	68.9	70.6	76.5	87.5	107.0	153.9	221.1	389.0	568.2	572.9	425.8
87.5°	53.7	55.8	62.6	69.3	84.6	117.1	163.2	269.7	378.0	381.8	292.6
90°	41.9	43.1	49.0	56.2	68.5	88.8	118.0	184.8	243.5	238.9	188.1
92.5°	30.9	32.1	37.6	44.4	53.3	68.5	85.0	118.4	142.5	145.4	117.5
95°	22.0	23.3	27.9	33.0	40.6	52.0	60.5	75.3	87.5	85.0	75.3
97.5°	16.9	17.3	20.7	24.5	30.9	40.2	44.8	52.0	57.5	56.2	52.4
100°	13.5	14.0	16.5	18.6	24.1	31.7	35.9	39.7	43.1	41.9	40.2
102.5°	11.4	11.8	13.5	15.2	19.9	26.6	29.2	31.7	33.0	33.0	32.1
105°	9.7	10.1	11.4	13.1	16.9	22.0	23.7	24.9	26.2	25.8	25.8
107.5°	8.9	8.9	10.1	11.4	14.8	18.6	19.4	19.9	20.3	20.3	21.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	8.0	8.5	9.3	10.1	13.1	16.5	16.5	16.1	16.1	16.1	17.3
112.5°	7.6	8.0	8.5	9.7	12.3	14.4	14.0	13.1	13.1	13.5	14.8
115°	7.6	7.6	8.0	9.3	11.4	13.1	12.3	11.0	11.0	11.4	12.7
117.5°	7.6	7.6	8.5	9.3	11.0	11.8	11.0	9.7	9.3	9.7	11.0
120°	8.0	8.0	8.5	9.3	10.1	11.0	10.1	8.9	8.5	8.9	10.1
122.5°	8.5	8.5	8.5	9.3	9.7	10.1	9.3	8.0	7.6	8.0	9.3
125°	8.9	8.9	8.9	9.3	9.7	9.3	8.5	7.6	7.6	7.6	8.9
127.5°	9.7	9.7	9.7	9.7	9.3	8.9	8.0	7.2	7.6	7.6	8.5
130°	10.6	10.6	10.1	9.7	9.3	8.5	7.6	6.8	7.2	7.6	8.5
132.5°	11.0	10.6	10.1	9.3	8.9	7.6	6.8	6.3	6.8	7.2	8.0
135°	10.1	10.1	9.3	8.5	8.0	6.8	5.9	5.9	6.3	6.8	7.2
137.5°	8.9	8.9	8.5	7.6	7.2	6.3	5.5	5.1	5.9	6.3	6.8
140°	7.6	7.6	7.2	6.3	5.9	5.5	4.7	4.2	5.1	5.5	5.9
142.5°	6.3	6.3	5.9	5.1	5.1	4.7	3.8	3.8	4.7	4.7	5.1
145°	5.1	5.1	5.1	4.2	4.2	3.8	3.0	3.4	3.8	4.2	4.2
147.5°	4.2	4.2	4.2	3.4	3.4	3.0	2.1	2.5	3.0	3.4	3.4
150°	3.4	3.4	3.4	3.0	2.5	2.1	1.7	2.1	2.1	2.5	2.5
152.5°	2.5	2.5	2.5	2.1	2.1	1.3	1.3	1.7	1.7	2.1	2.1
155°	1.7	1.7	2.1	1.7	1.3	0.8	1.3	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3
160°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	129.4	128.5	126.4	124.3	122.2	120.5	118.4	118.0	118.0	117.1	117.1
5°	131.1	128.5	123.5	119.2	114.6	110.8	107.8	106.5	105.3	104.4	103.6
7.5°	134.9	130.6	122.2	115.4	108.7	102.7	98.5	96.4	95.1	93.9	94.3
10°	143.8	137.4	125.1	114.2	104.0	96.0	90.9	88.4	87.5	86.3	86.3
12.5°	162.8	154.3	136.6	118.0	102.3	91.3	85.4	84.6	85.4	86.7	86.7
15°	192.8	180.1	154.3	128.5	106.1	90.5	87.1	89.6	92.6	94.3	94.3
17.5°	229.6	212.2	175.5	140.8	111.6	98.1	93.9	97.2	101.0	103.6	103.6
20°	270.2	246.9	197.0	151.4	119.7	108.7	104.0	107.0	112.0	115.8	115.4
22.5°	323.0	289.2	222.0	160.7	129.4	118.4	115.4	119.2	126.8	131.9	132.3
25°	388.6	342.0	251.1	172.9	138.3	126.8	127.7	134.5	144.6	150.1	150.1
27.5°	458.3	399.5	276.1	185.2	147.6	135.7	139.9	149.2	160.2	166.6	167.4
30°	550.5	473.5	307.4	197.4	155.6	144.6	149.7	160.7	168.7	172.5	172.9
32.5°	644.3	543.7	332.3	210.1	163.2	150.9	155.6	166.2	173.3	177.6	177.2
35°	729.3	600.4	347.1	216.1	170.0	155.6	157.7	169.1	173.3	175.9	175.5
37.5°	794.4	641.0	352.6	217.3	172.5	157.7	158.5	168.3	174.2	178.8	178.0
40°	805.4	635.5	331.9	209.7	172.1	157.7	159.4	170.4	176.7	178.8	178.4
42.5°	846.0	650.7	314.1	196.2	167.0	157.3	161.1	171.2	174.2	172.9	171.7
45°	916.6	682.8	309.1	189.4	160.7	156.0	161.9	169.1	168.7	166.2	165.3
47.5°	986.4	713.7	298.1	186.5	159.0	155.6	161.5	166.6	167.9	165.3	164.5
50°	1075.2	754.7	289.2	182.2	159.4	155.6	160.7	166.6	167.4	163.2	162.8
52.5°	1154.7	783.0	276.1	178.4	159.8	156.9	160.7	166.6	167.0	162.8	161.9
55°	1237.5	813.0	262.6	174.6	161.1	158.1	161.9	167.0	167.4	164.5	163.6
57.5°	1320.4	839.3	247.3	171.7	162.4	160.7	162.8	167.4	170.8	170.0	170.0
60°	1489.5	914.5	244.8	172.1	163.6	162.8	163.6	169.5	175.9	173.8	174.2
62.5°	1556.3	930.6	240.1	177.6	167.4	164.5	164.9	171.2	178.0	181.0	180.5
65°	1617.2	931.8	230.8	181.4	172.1	165.7	165.7	171.7	183.1	189.8	189.8
67°	1613.8	906.5	224.1	181.8	174.2	167.0	165.3	171.7	183.5	191.1	191.5
67.5°	1594.4	890.0	221.5	181.8	174.6	167.0	164.9	171.2	183.5	191.5	191.5
70°	1477.3	803.3	205.1	177.2	173.3	164.9	162.4	167.0	181.0	192.0	192.0
72.5°	1223.6	661.3	181.8	165.7	165.3	159.4	155.6	160.7	174.2	185.6	185.2
75°	988.9	528.5	158.5	148.8	153.1	148.8	145.9	149.7	162.8	174.2	173.3
77.5°	739.1	397.0	137.0	132.8	138.7	135.7	133.2	137.0	149.7	160.7	159.0
80°	546.3	306.1	119.2	117.5	121.8	120.9	120.1	121.8	132.8	139.9	138.7
82.5°	402.1	233.0	102.7	101.5	106.5	106.5	106.5	107.8	115.8	118.4	117.1
85°	285.8	175.5	90.5	87.1	91.3	93.4	94.7	95.1	99.4	99.8	96.8
87.5°	201.3	138.3	81.2	74.0	76.1	80.8	82.9	82.4	84.1	82.9	79.9
90°	140.4	108.7	73.6	63.0	63.0	67.6	71.0	70.6	71.0	67.6	64.7
92.5°	98.9	82.0	62.2	52.0	51.2	55.8	58.8	58.3	58.3	55.0	52.0
95°	66.4	60.5	49.5	41.9	40.6	44.4	47.4	46.5	46.5	43.1	41.9
97.5°	49.0	46.1	40.6	35.5	33.0	35.1	37.2	37.2	37.6	35.5	34.2
100°	38.5	37.2	34.7	30.4	27.9	28.3	29.6	29.6	31.3	29.6	28.8
102.5°	32.1	31.3	29.2	26.2	24.1	23.7	24.5	24.9	27.1	25.8	25.4
105°	26.6	26.2	24.9	22.4	20.7	20.7	20.7	21.1	23.3	22.4	22.4
107.5°	21.6	21.6	21.6	19.4	18.2	18.2	17.8	18.2	19.9	19.9	19.9



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CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.2	18.2	18.6	16.9	16.1	16.1	15.6	16.1	17.8	18.2	18.2
112.5°	15.6	15.6	16.1	15.2	14.4	14.4	14.0	14.0	15.6	16.9	16.9
115°	13.5	14.0	14.0	13.5	13.1	12.7	12.3	12.7	14.4	15.6	15.6
117.5°	11.8	12.3	12.7	12.3	11.8	11.4	11.0	11.4	13.1	14.8	14.8
120°	10.6	11.0	11.4	11.4	11.0	10.6	9.7	10.6	11.8	13.5	14.0
122.5°	9.7	10.1	10.1	10.1	10.1	9.3	8.9	9.3	10.6	12.3	12.7
125°	9.3	9.3	9.7	9.7	9.3	8.5	8.0	8.5	9.3	10.6	11.0
127.5°	8.9	8.9	9.3	9.3	8.5	7.6	7.2	7.6	8.5	9.3	9.3
130°	8.9	8.9	8.9	8.5	8.0	7.2	6.3	6.8	7.6	8.5	8.5
132.5°	8.5	8.0	8.0	8.0	7.2	6.3	5.9	5.9	6.8	7.6	7.6
135°	7.6	7.6	7.2	7.2	6.8	5.5	5.1	5.1	5.9	6.8	6.8
137.5°	6.8	6.8	6.3	6.3	5.9	5.1	4.2	4.7	5.5	5.5	5.9
140°	5.9	5.9	5.5	5.5	5.1	4.2	3.4	3.8	4.7	4.7	5.1
142.5°	5.1	5.1	5.1	4.7	4.2	3.4	3.0	3.4	4.2	4.2	4.2
145°	4.2	4.2	4.2	3.8	3.4	2.5	2.1	3.0	3.8	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	2.5	2.1	1.7	2.5	3.0	3.0	3.0
150°	2.5	2.5	2.5	2.5	2.1	1.3	1.3	2.1	2.5	2.5	2.5
152.5°	2.1	2.1	2.1	2.5	2.1	0.8	0.8	1.7	2.1	2.1	2.1
155°	1.7	1.7	2.1	2.1	1.7	0.8	0.4	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.7	1.7	1.3	0.8	0.4	0.8	1.7	1.3	1.3
160°	0.8	1.3	1.3	1.3	1.3	0.8	0.0	0.8	1.3	0.8	0.8
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)