

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: P415718

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4737 lumens
Efficiency: N/A
Efficacy: 87.7 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 - U3 - G2

Input Watts (W): 54
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

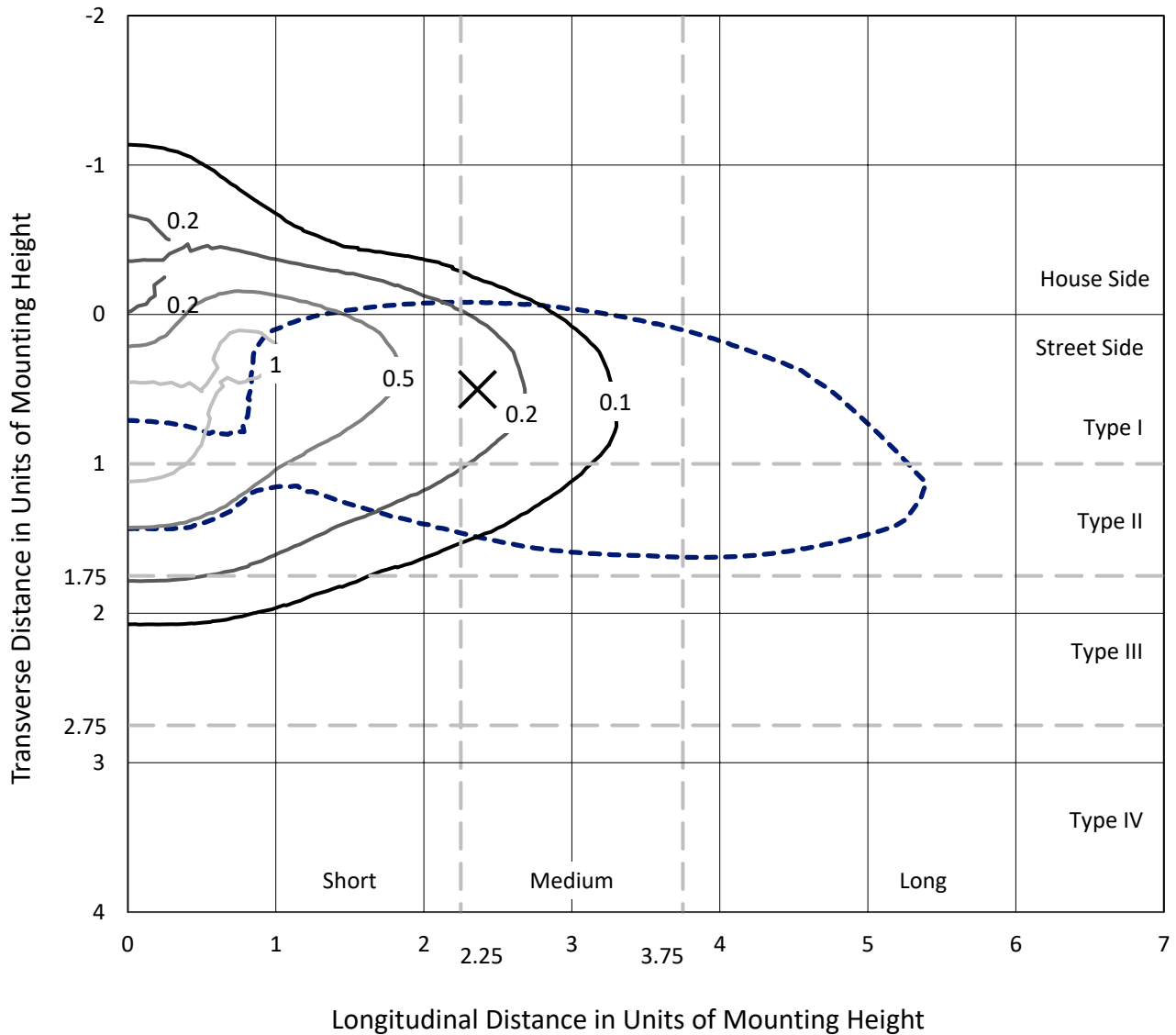


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

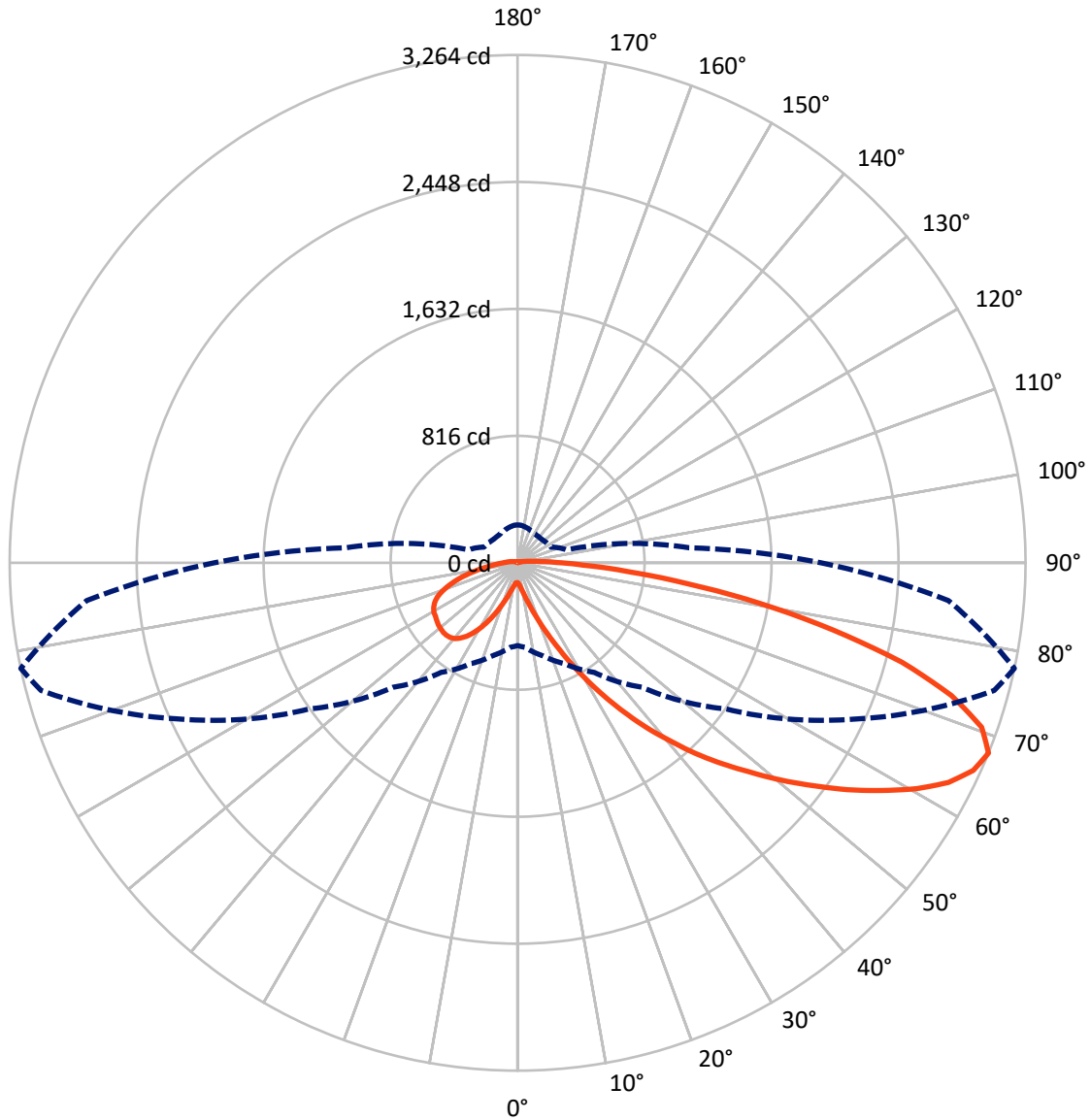


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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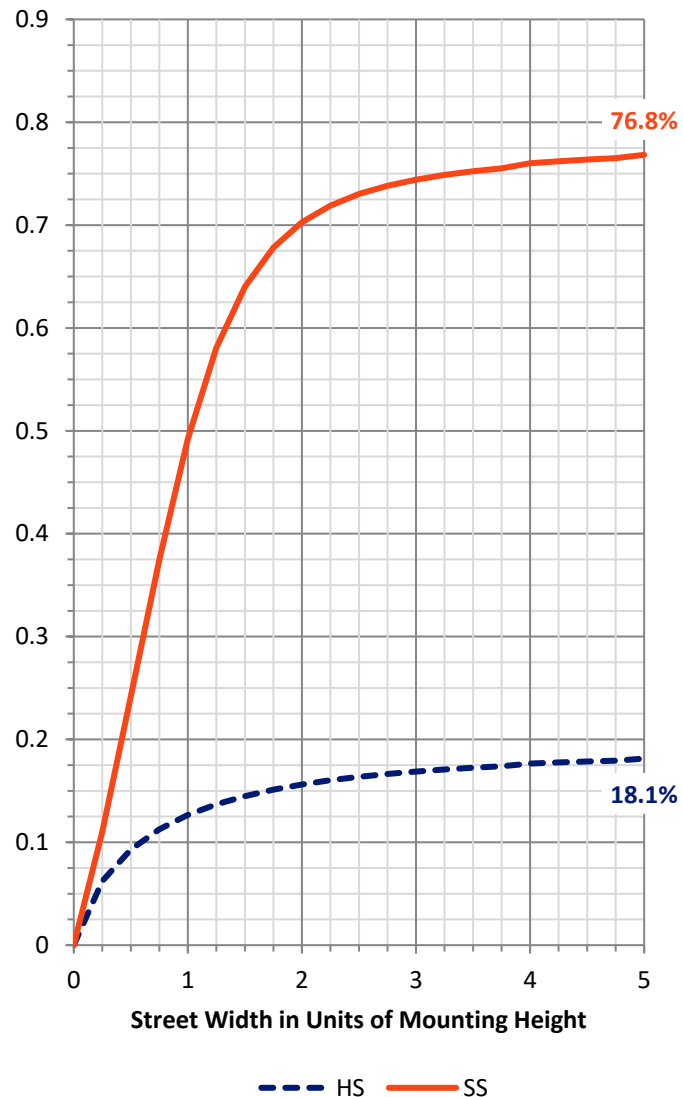
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	900.1	73.1	973.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	3689.7	74.1	3763.8
	% Fixture	77.9	1.6	79.5
Total	Lumens	4589.8	147.1	4737.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.3
10°-20°	73.6	1.6
20°-30°	224.2	4.7
30°-40°	501.7	10.6
40°-50°	826.6	17.5
50°-60°	1017.4	21.5
60°-70°	986.7	20.8
70°-80°	683.3	14.4
80°-90°	261.6	5.5
90°-100°	75.1	1.6
100°-110°	32.5	0.7
110°-120°	17.5	0.4
120°-130°	10.9	0.2
130°-140°	6.7	0.1
140°-150°	3.3	0.1
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4589.8	96.9
0°-180°	4737.0	100.0

Coefficient of Utilization



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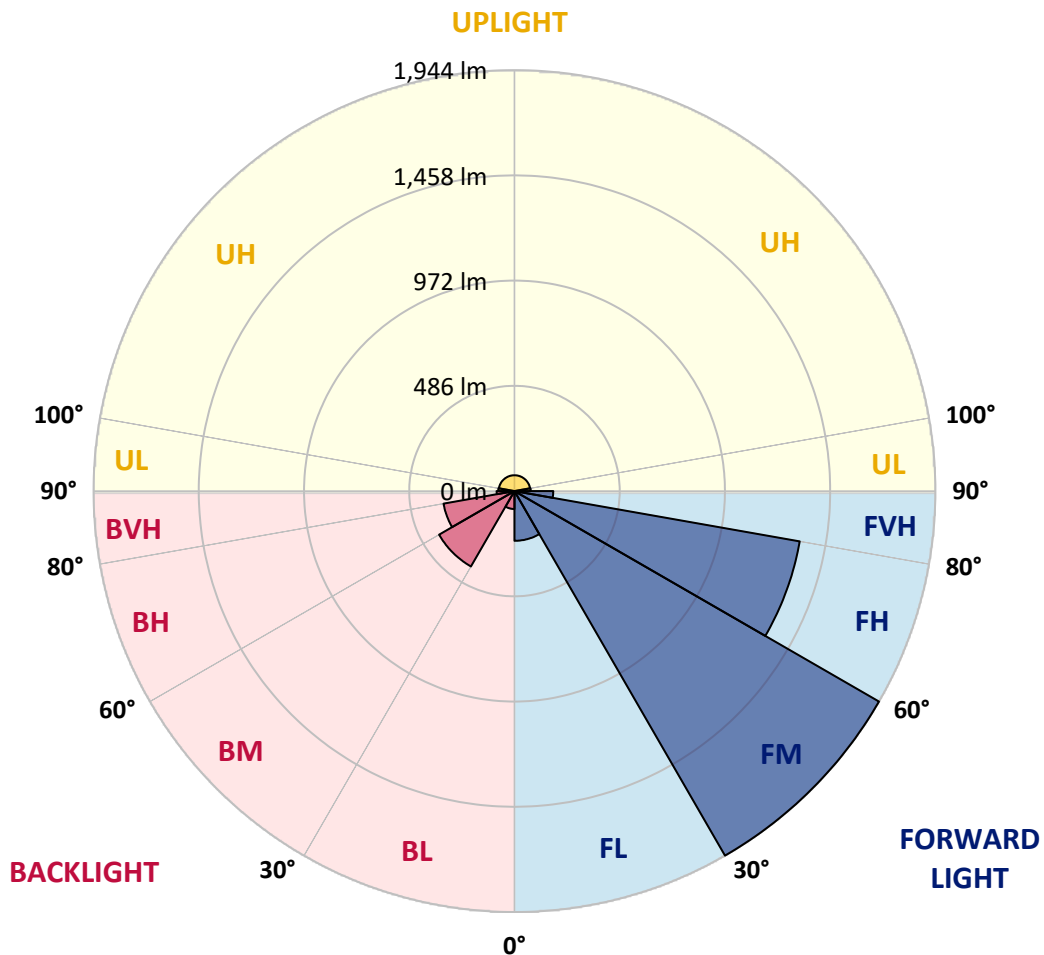
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.6	4.8			
FM (30°-60°)	1943.6	41.0			
FH (60°-80°)	1337.5	28.2			G1/1800
FVH (80°-90°)	179.0	3.8			G2/225
BL (0°-30°)	82.9	1.7	B0/110		
BM (30°-60°)	402.1	8.5	B1/1000		
BH (60°-80°)	332.6	7.0	B1/500		G1/500
BVH (80°-90°)	82.6	1.7			G1/100
UL (90°-100°)	75.1	1.6		U3/500	
UH (100°-180°)	73.1	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°	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
2.5°	153.7	152.6	152.6	152.0	149.8	147.6	144.2	140.3	136.9	134.6	132.4
5°	186.8	182.9	184.0	180.7	176.7	172.2	166.1	157.6	149.8	148.1	141.9
7.5°	226.7	221.6	223.3	219.4	212.1	202.5	194.1	181.8	170.0	166.1	157.1
10°	277.1	272.1	269.3	263.7	255.3	242.9	230.0	213.8	197.5	191.9	180.7
12.5°	337.2	333.3	329.3	321.5	308.0	292.3	276.0	258.1	236.8	229.5	212.1
15°	411.8	408.4	400.0	389.4	369.7	352.3	327.6	311.4	285.0	276.0	254.7
17.5°	495.4	488.7	480.2	464.5	442.1	420.2	399.5	372.0	343.4	336.1	309.7
20°	598.6	596.4	580.1	553.7	529.1	499.3	479.1	452.2	420.2	410.1	375.3
22.5°	720.9	716.4	697.4	657.5	620.5	582.4	566.1	538.0	515.0	501.0	455.6
25°	867.9	859.5	828.1	780.4	727.7	682.2	655.3	645.2	627.2	605.9	550.4
27.5°	1024.4	1025.0	981.8	911.1	837.6	783.2	762.4	766.4	744.5	732.7	664.8
30°	1218.0	1204.0	1147.3	1060.3	961.0	890.9	878.6	898.2	892.0	869.0	788.8
32.5°	1411.6	1406.5	1336.4	1217.4	1087.3	1010.4	1001.4	1044.1	1042.4	1019.4	917.3
35°	1604.5	1598.9	1512.0	1373.4	1219.1	1131.0	1123.2	1179.3	1199.5	1176.5	1062.0
37.5°	1798.7	1785.8	1698.2	1529.9	1344.2	1241.6	1244.9	1315.6	1362.7	1342.0	1201.7
40°	1969.8	1967.5	1865.4	1674.1	1464.9	1353.8	1376.2	1469.3	1527.1	1498.5	1343.7
42.5°	2101.1	2091.5	2001.2	1793.6	1573.1	1458.7	1497.4	1620.8	1694.9	1675.2	1483.4
45°	2161.7	2156.0	2083.7	1883.9	1657.3	1549.6	1610.7	1761.1	1862.1	1840.7	1627.0
47.5°	2145.4	2140.3	2101.1	1928.3	1712.8	1627.6	1710.6	1897.4	2037.7	2009.1	1770.1
50°	2047.8	2052.8	2040.5	1915.4	1732.5	1677.5	1805.4	2033.7	2209.3	2195.9	1908.1
52.5°	1869.4	1883.9	1903.6	1848.0	1714.5	1699.9	1873.8	2152.1	2379.9	2379.3	2061.2
55°	1637.6	1647.7	1716.2	1706.1	1646.1	1699.4	1924.3	2268.8	2571.8	2574.6	2219.4
57.5°	1391.9	1386.9	1477.8	1530.5	1546.2	1656.2	1949.0	2372.0	2741.2	2760.8	2386.6
60°	1123.2	1141.7	1227.0	1334.7	1393.6	1570.9	1940.6	2445.0	2904.5	2947.7	2538.7
62.5°	912.8	904.4	998.1	1115.3	1234.8	1448.6	1879.5	2479.2	3059.9	3108.1	2678.9
65°	689.5	706.9	791.6	895.4	1037.3	1294.3	1780.7	2461.2	3155.8	3217.5	2767.0
67.5°	531.9	545.3	617.7	715.3	860.1	1130.5	1638.2	2377.6	3170.4	3264.1	2779.3
70°	411.2	421.9	472.9	556.0	694.0	949.8	1437.9	2218.3	3090.7	3163.7	2666.0
72.5°	327.6	332.1	368.0	435.4	548.1	774.8	1220.2	1968.1	2850.0	2915.1	2433.8
75°	257.5	264.2	293.4	343.9	428.1	619.4	997.5	1662.9	2483.7	2551.0	2113.4
77.5°	204.8	211.5	233.4	268.7	332.1	477.4	779.3	1354.9	2027.6	2069.1	1683.7
80°	162.7	166.1	184.6	210.9	258.1	368.0	586.8	1028.4	1535.5	1578.7	1251.1
82.5°	123.4	126.2	144.7	167.7	201.4	278.8	424.1	723.2	1081.7	1093.4	849.4
85°	88.6	93.7	108.8	127.9	154.3	207.6	304.1	490.9	690.1	708.0	538.0
87.5°	62.8	65.1	80.2	98.2	117.8	153.7	211.5	323.2	424.7	419.7	326.5
90°	42.6	44.3	57.8	72.4	89.8	115.0	147.6	203.1	260.9	252.5	204.8
92.5°	28.6	31.4	42.6	55.0	70.1	88.6	104.9	133.0	161.6	153.7	130.2
95°	21.3	22.4	32.5	43.8	56.1	67.9	78.0	90.9	103.2	101.0	89.8
97.5°	16.8	18.0	26.4	35.9	45.4	55.0	60.6	65.1	71.8	71.3	64.5
100°	14.6	15.1	22.4	30.9	39.3	46.0	49.4	50.5	52.7	51.6	49.4
102.5°	12.3	13.5	19.6	26.9	34.2	39.3	41.5	40.4	39.8	38.7	36.5
105°	11.2	11.8	17.4	24.1	30.3	34.2	34.8	33.1	30.3	29.7	28.6
107.5°	10.7	11.2	15.7	21.9	26.9	30.3	29.7	27.5	24.1	23.0	22.4
110°	10.1	10.7	14.6	19.6	24.7	26.9	26.4	23.0	19.1	18.0	18.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	10.1	10.1	13.5	18.0	22.4	24.1	23.0	19.6	15.7	15.1	15.7
115°	9.5	10.1	12.9	16.8	20.2	21.9	20.2	16.8	13.5	12.9	13.5
117.5°	9.5	10.1	12.3	15.7	19.1	19.6	18.0	14.6	11.2	11.2	12.3
120°	9.5	10.1	11.8	14.6	17.4	18.0	16.3	12.9	10.1	10.1	11.2
122.5°	10.1	10.1	11.2	14.0	16.3	16.8	14.6	11.2	9.5	9.5	10.7
125°	10.1	10.1	11.2	12.9	15.1	15.1	13.5	10.1	8.4	8.4	10.1
127.5°	10.1	10.1	11.2	12.3	14.0	14.0	12.3	9.5	7.9	7.9	9.5
130°	10.1	10.7	10.7	11.8	12.9	12.9	11.2	8.4	7.9	7.9	9.0
132.5°	10.7	10.7	10.7	11.2	12.3	11.8	9.5	7.9	7.3	7.3	8.4
135°	10.1	10.1	10.1	10.7	11.2	10.7	8.4	6.7	6.7	7.3	7.9
137.5°	10.1	10.1	10.1	9.5	10.1	9.5	7.9	6.2	6.2	6.7	7.3
140°	9.0	9.5	9.0	9.0	9.0	8.4	6.7	5.0	5.6	6.2	6.2
142.5°	8.4	8.4	8.4	7.9	7.9	7.3	5.6	4.5	5.0	5.0	5.6
145°	7.9	7.9	7.3	6.7	6.7	5.6	4.5	3.9	4.5	4.5	5.0
147.5°	6.7	6.7	6.7	5.6	5.0	4.5	2.8	2.8	3.4	3.9	3.9
150°	5.6	5.6	5.6	5.0	3.9	3.4	2.2	2.8	2.8	2.8	3.4
152.5°	4.5	4.5	4.5	3.9	3.4	2.2	1.7	2.2	2.2	2.2	2.8
155°	2.8	2.8	2.8	2.8	2.2	1.1	1.7	1.7	2.2	2.2	2.2
157.5°	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.7	1.7	1.7	1.7
160°	0.6	0.6	1.1	1.1	1.7	1.1	1.1	1.1	1.1	1.1	1.1
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°	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
2.5°	130.7	129.0	126.2	123.4	120.6	117.8	115.6	115.0	113.3	113.3	112.8
5°	138.6	135.8	128.5	122.9	116.7	111.6	107.7	106.0	104.4	103.2	103.2
7.5°	152.6	146.4	135.8	126.2	117.8	110.5	105.5	102.7	100.4	99.3	99.3
10°	171.7	163.8	147.6	133.5	121.2	112.2	106.6	103.2	101.5	100.4	99.9
12.5°	199.7	188.5	164.9	144.7	129.0	117.8	110.5	108.3	108.8	108.8	108.8
15°	237.9	221.6	189.6	162.1	139.7	125.1	120.1	120.1	121.7	122.3	121.2
17.5°	287.2	265.4	220.5	179.5	153.2	138.0	132.4	132.4	135.2	136.9	136.9
20°	347.8	316.4	253.0	202.5	168.9	152.6	145.9	146.4	149.8	152.0	152.0
22.5°	417.4	380.4	294.5	226.1	186.3	165.5	158.2	158.8	164.4	167.2	168.3
25°	507.7	450.5	336.1	250.2	202.5	177.8	170.6	171.1	178.4	182.3	182.3
27.5°	603.1	528.5	378.1	273.8	216.6	189.1	181.8	183.5	191.3	194.7	195.8
30°	704.7	611.5	420.2	294.0	227.8	197.5	190.2	193.6	200.8	205.9	206.5
32.5°	817.4	692.9	453.9	310.3	237.3	204.8	197.5	202.5	208.7	214.3	214.9
35°	935.2	773.7	483.6	321.5	243.5	210.9	203.1	208.1	214.3	219.4	218.8
37.5°	1040.7	839.9	503.2	326.0	246.9	214.3	207.0	212.1	217.7	221.6	221.6
40°	1144.5	908.9	512.8	322.6	246.9	216.0	208.7	214.3	219.4	221.6	221.6
42.5°	1243.2	959.9	511.1	315.9	245.7	216.6	209.8	214.9	219.4	220.5	220.5
45°	1328.5	1007.1	501.0	304.6	241.8	216.0	210.4	214.9	218.2	218.2	218.8
47.5°	1429.5	1044.1	486.4	292.9	237.3	214.9	209.3	214.3	217.1	217.1	216.6
50°	1520.4	1080.0	466.8	280.0	233.4	213.8	208.7	213.8	217.1	216.0	216.0
52.5°	1616.9	1112.0	446.6	268.2	229.5	213.2	208.7	213.8	217.1	216.6	217.1
55°	1706.1	1143.9	421.3	257.5	227.2	212.6	209.3	214.3	218.8	218.8	218.2
57.5°	1820.5	1160.8	401.7	250.2	225.0	212.6	209.8	215.4	221.0	221.6	222.2
60°	1901.3	1182.7	385.4	245.7	225.0	213.8	211.5	217.1	224.4	227.2	228.9
62.5°	1960.2	1181.5	365.8	243.5	225.5	214.9	213.2	218.8	228.3	232.3	234.5
65°	1991.1	1161.3	345.6	241.8	226.1	216.0	214.3	219.9	231.1	238.4	240.7
67.5°	1950.7	1106.9	324.8	239.0	225.5	215.4	214.9	221.0	232.8	242.4	243.5
70°	1852.5	1014.9	300.2	232.8	223.3	213.8	213.2	218.2	231.1	242.4	243.5
72.5°	1666.3	898.2	271.5	223.9	218.2	209.8	208.1	213.2	225.5	236.8	236.8
75°	1417.2	763.0	243.5	210.9	208.1	203.1	201.4	204.2	214.9	225.5	226.1
77.5°	1109.7	607.6	213.8	193.0	195.8	191.9	190.2	191.9	201.4	208.7	209.3
80°	844.4	462.9	185.1	171.7	178.4	177.3	175.6	175.0	181.8	187.4	185.7
82.5°	582.4	329.3	153.2	149.2	156.5	158.2	157.6	153.7	158.8	163.3	160.5
85°	375.9	232.8	127.9	126.2	133.0	135.8	135.2	132.4	133.5	138.6	133.0
87.5°	242.9	167.2	105.5	104.4	110.0	113.3	113.3	107.7	110.0	115.0	108.8
90°	152.0	118.4	88.1	87.5	91.4	93.1	90.9	87.5	88.6	91.4	89.2
92.5°	107.7	89.2	73.5	73.5	74.6	75.7	74.6	70.7	72.9	72.9	72.9
95°	78.5	70.7	64.0	62.8	62.3	61.7	61.2	58.3	60.6	60.0	58.3
97.5°	60.0	56.7	54.4	53.9	52.7	52.2	51.6	49.4	51.1	49.9	48.8
100°	47.1	46.6	46.6	46.6	45.4	43.8	43.8	43.2	43.2	41.5	41.5
102.5°	37.6	37.6	39.8	40.4	39.3	38.2	38.2	37.6	37.0	34.8	34.2
105°	29.7	30.9	34.2	34.8	34.2	33.1	32.5	32.5	31.4	28.6	28.6
107.5°	24.1	25.2	29.2	30.3	29.7	29.2	28.6	28.1	26.9	24.1	24.1
110°	19.6	21.3	24.7	26.4	25.8	25.2	25.2	24.1	23.0	20.8	20.8



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.8	18.5	21.3	23.0	23.0	22.4	21.9	21.3	19.6	18.0	18.0
115°	14.6	16.3	19.1	20.2	20.2	19.6	19.1	18.5	16.8	15.7	16.3
117.5°	13.5	14.6	16.8	18.0	18.0	17.4	16.8	16.3	15.1	14.6	14.6
120°	12.3	13.5	15.1	16.3	16.3	15.7	15.1	14.6	13.5	13.5	13.5
122.5°	11.2	12.3	14.0	14.6	14.6	14.0	13.5	12.9	11.8	12.3	12.3
125°	10.7	11.2	12.3	13.5	13.5	12.9	12.3	11.2	10.7	11.2	11.2
127.5°	10.1	10.7	11.8	12.3	12.3	11.8	10.7	10.1	9.5	10.1	10.1
130°	9.5	10.1	10.7	11.2	11.2	10.1	9.5	9.0	9.0	9.5	9.5
132.5°	9.0	9.5	9.5	10.1	10.1	9.5	8.4	7.9	7.9	8.4	8.4
135°	8.4	8.4	9.0	9.0	9.0	8.4	7.3	6.7	7.3	7.9	7.9
137.5°	7.3	7.9	7.9	8.4	7.9	7.3	6.2	6.2	6.7	6.7	6.7
140°	6.7	6.7	7.3	7.3	6.7	6.2	5.6	5.0	5.6	6.2	6.2
142.5°	6.2	6.2	6.2	6.2	6.2	5.0	4.5	4.5	5.0	5.0	5.0
145°	5.0	5.0	5.6	5.0	5.0	3.9	3.4	3.9	4.5	4.5	4.5
147.5°	3.9	4.5	4.5	4.5	3.9	2.8	2.2	3.4	3.9	3.9	3.9
150°	3.4	3.4	3.4	3.4	3.4	2.2	1.7	2.8	3.4	3.4	3.4
152.5°	2.8	2.8	3.4	3.4	2.8	1.7	1.1	2.2	2.8	2.8	2.2
155°	2.2	2.2	2.8	2.8	2.2	1.1	1.1	1.7	2.2	2.2	1.7
157.5°	1.7	2.2	2.2	2.2	1.7	1.1	0.6	1.1	1.7	1.7	1.7
160°	1.7	1.7	1.7	2.2	1.7	1.1	0.6	1.1	1.7	1.1	1.1
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)