

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: P416824

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8504.1 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G4

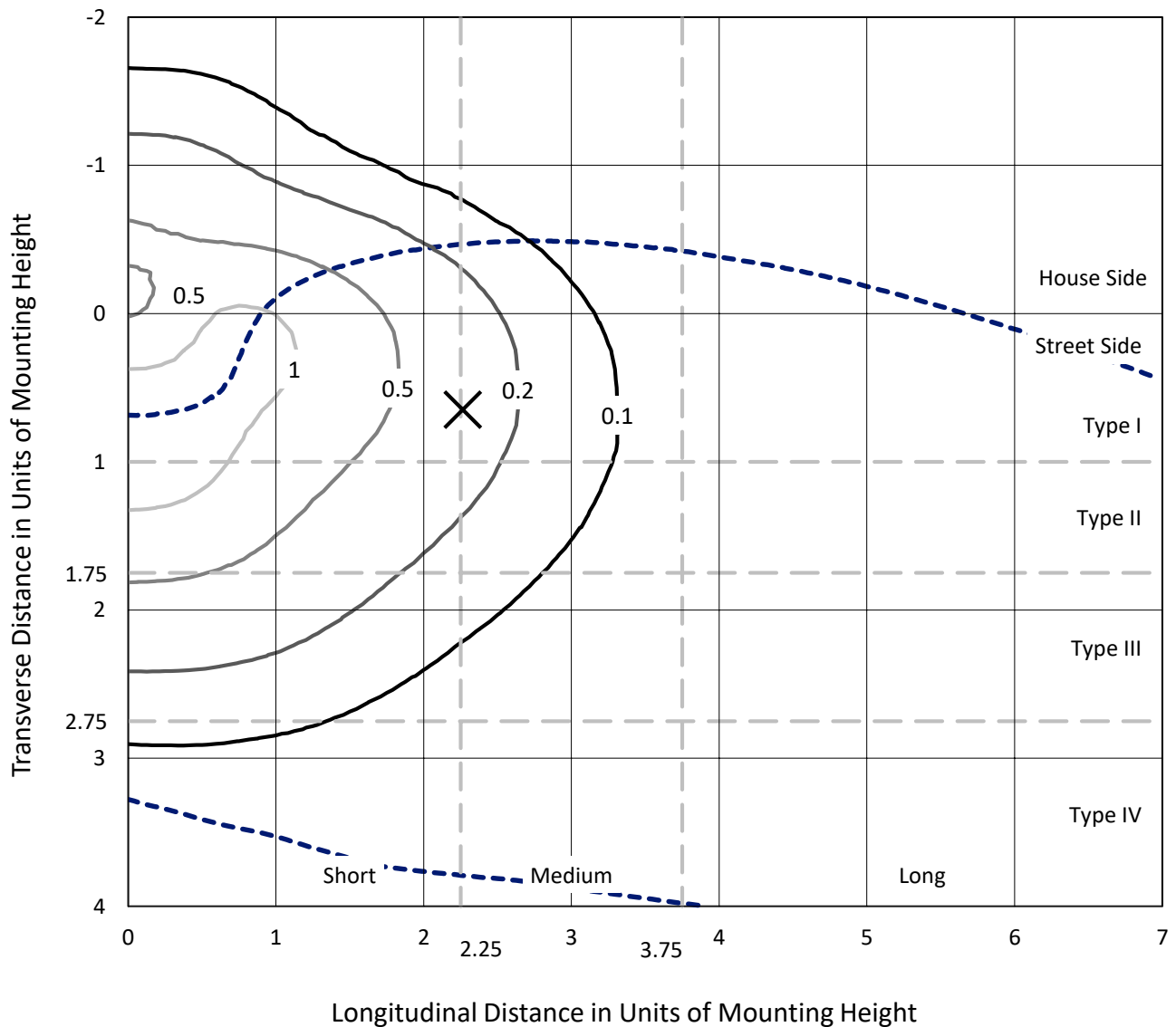
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

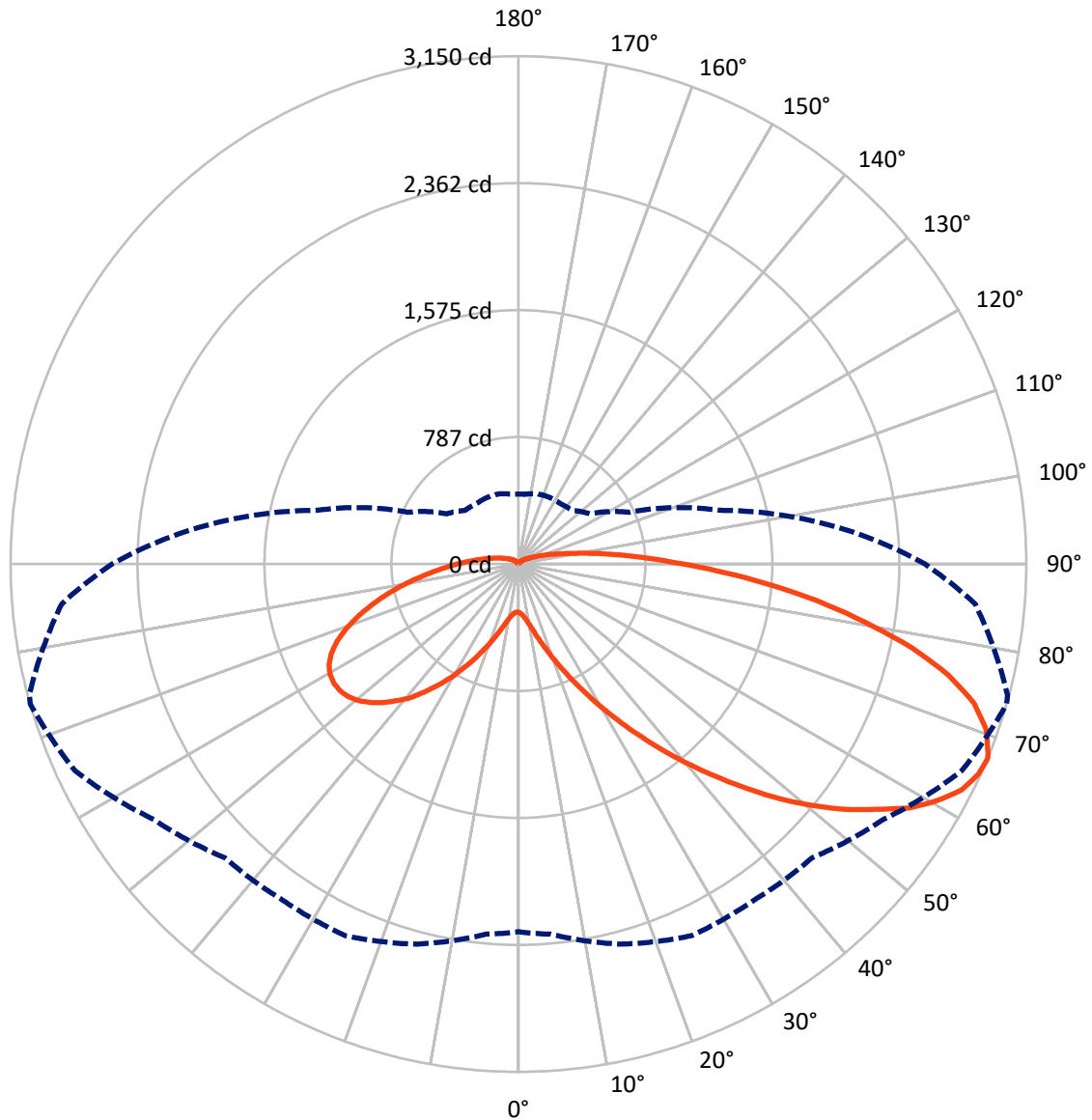
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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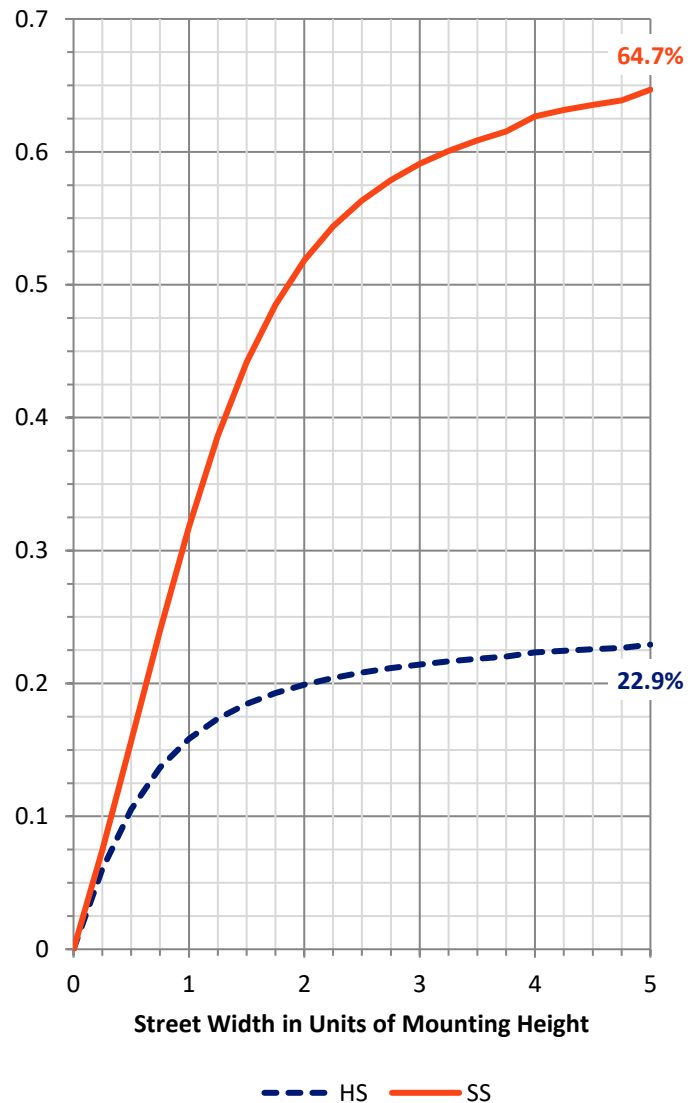
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2050.0	253.5	2303.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5759.2	441.4	6200.6
	% Fixture	67.7	5.2	72.9
Total	Lumens	7809.2	695.0	8504.1
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	0.4
10°-20°	130.5	1.5
20°-30°	330.3	3.9
30°-40°	662.8	7.8
40°-50°	1112.6	13.1
50°-60°	1560.9	18.4
60°-70°	1744.6	20.5
70°-80°	1423.3	16.7
80°-90°	812.5	9.6
90°-100°	371.3	4.4
100°-110°	169.9	2.0
110°-120°	83.8	1.0
120°-130°	42.6	0.5
130°-140°	19.8	0.2
140°-150°	6.5	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7809.2	91.8
0°-180°	8504.1	100.0

Coefficient of Utilization



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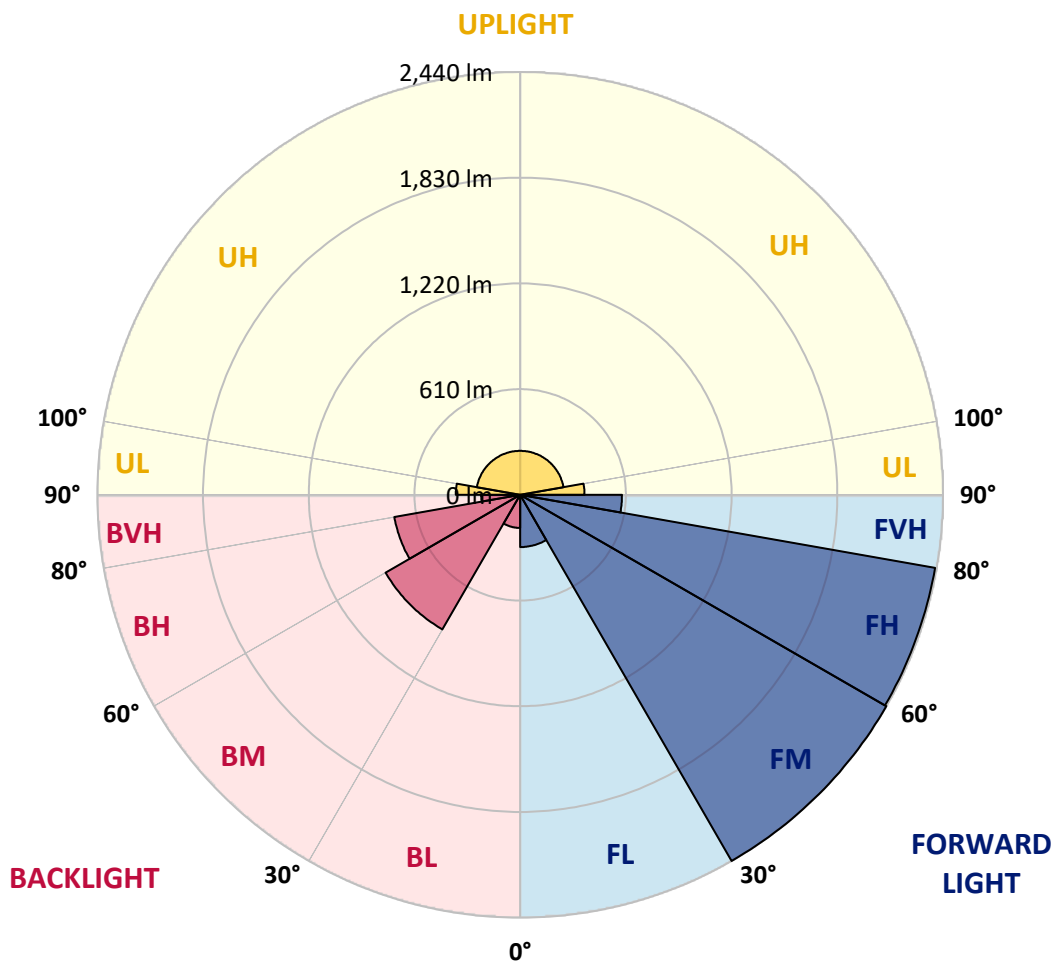
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.4	3.5			
FM	(30°-60°)	2439.5	28.7			
FH	(60°-80°)	2430.8	28.6			G2/5000
FVH	(80°-90°)	587.4	6.9			G4/750
BL	(0°-30°)	191.0	2.2	B1/500		
BM	(30°-60°)	896.8	10.5	B1/1000		
BH	(60°-80°)	737.1	8.7	B2/1000		G2/1000
BVH	(80°-90°)	225.0	2.6			G3/500
UL	(90°-100°)	371.3	4.4		U3/500	
UH	(100°-180°)	253.5	3.0		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
2.5°	326.0	324.0	324.0	322.0	321.0	317.0	314.0	310.0	308.0	307.0	304.0
5°	356.0	353.0	353.0	351.0	347.0	342.0	335.0	331.0	324.0	325.0	316.0
7.5°	392.0	391.0	389.0	385.0	380.0	374.0	367.0	358.0	350.0	350.0	339.0
10°	440.0	434.0	434.0	429.0	424.0	415.0	405.0	395.0	384.0	383.0	368.0
12.5°	498.0	497.0	491.0	484.0	476.0	467.0	451.0	441.0	430.0	429.0	413.0
15°	566.0	563.0	555.0	552.0	540.0	524.0	511.0	501.0	490.0	486.0	465.0
17.5°	646.0	642.0	639.0	624.0	614.0	601.0	586.0	573.0	554.0	552.0	529.0
20°	740.0	731.0	722.0	710.0	694.0	682.0	666.0	654.0	632.0	632.0	601.0
22.5°	839.0	837.0	829.0	809.0	787.0	775.0	760.0	736.0	718.0	713.0	679.0
25°	959.0	957.0	941.0	920.0	897.0	879.0	855.0	829.0	814.0	813.0	775.0
27.5°	1094.9	1097.9	1069.9	1043.0	1012.0	983.0	957.0	944.0	924.0	921.0	877.0
30°	1258.9	1245.9	1216.9	1177.9	1134.9	1097.9	1070.9	1058.0	1045.0	1044.0	991.0
32.5°	1425.9	1410.9	1385.9	1331.9	1271.9	1214.9	1201.9	1190.9	1175.9	1167.9	1114.9
35°	1610.9	1598.9	1562.9	1491.9	1411.9	1349.9	1322.9	1324.9	1317.9	1313.9	1249.9
37.5°	1814.9	1793.9	1744.9	1675.9	1557.9	1490.9	1459.9	1476.9	1472.9	1464.9	1397.9
40°	2006.9	2003.9	1951.9	1844.9	1725.9	1630.9	1609.9	1638.9	1633.9	1623.9	1549.9
42.5°	2228.9	2206.9	2148.9	2028.9	1884.9	1779.9	1756.9	1799.9	1805.9	1807.9	1708.9
45°	2418.9	2408.9	2353.9	2215.9	2049.9	1935.9	1916.9	1962.9	1982.9	1984.9	1875.9
47.5°	2603.9	2599.9	2543.9	2400.9	2210.9	2089.9	2064.9	2130.9	2172.9	2163.9	2034.9
50°	2742.9	2749.9	2704.9	2568.9	2370.9	2226.9	2232.9	2313.9	2352.9	2347.9	2204.9
52.5°	2861.9	2851.9	2832.9	2703.9	2497.9	2365.9	2372.9	2469.9	2527.9	2524.9	2365.9
55°	2905.9	2902.9	2904.9	2799.9	2601.9	2479.9	2500.9	2637.9	2685.9	2679.9	2496.9
57.5°	2896.9	2894.9	2925.9	2856.9	2685.9	2569.9	2617.9	2775.9	2854.9	2846.9	2634.9
60°	2828.9	2819.9	2886.9	2861.9	2719.9	2625.9	2709.9	2896.9	2981.9	2979.9	2747.9
62.5°	2675.9	2689.9	2782.9	2805.9	2709.9	2654.9	2764.9	2990.9	3085.9	3078.9	2828.9
65°	2462.9	2497.9	2609.9	2689.9	2641.9	2628.9	2784.9	3032.9	3137.9	3136.9	2857.9
67°	2280.9	2304.9	2440.9	2542.9	2545.9	2575.9	2761.9	3033.9	3149.9	3140.9	2843.9
67.5°	2216.9	2248.9	2386.9	2510.9	2523.9	2560.9	2752.9	3031.9	3141.9	3136.9	2836.9
70°	1926.9	1963.9	2114.9	2270.9	2350.9	2430.9	2670.9	2975.9	3077.9	3066.9	2755.9
72.5°	1632.9	1684.9	1827.9	2012.9	2129.9	2261.9	2528.9	2835.9	2955.9	2932.9	2597.9
75°	1350.9	1385.9	1524.9	1724.9	1876.9	2055.9	2334.9	2646.9	2754.9	2735.9	2396.9
77.5°	1076.9	1108.9	1242.9	1443.9	1615.9	1816.9	2107.9	2409.9	2493.9	2482.9	2141.9
80°	850.0	873.0	1002.0	1180.9	1357.9	1572.9	1848.9	2118.9	2173.9	2181.9	1860.9
82.5°	654.0	684.0	796.0	954.0	1120.9	1325.9	1565.9	1804.9	1865.9	1845.9	1572.9
85°	500.0	525.0	625.0	759.0	926.0	1098.9	1312.9	1508.9	1535.9	1512.9	1274.9
87.5°	391.0	410.0	488.0	618.0	751.0	899.0	1069.9	1219.9	1233.9	1229.9	1021.0
90°	303.0	320.0	385.0	488.0	610.0	737.0	871.0	976.0	969.0	975.0	805.0
92.5°	238.0	247.0	306.0	397.0	499.0	601.0	703.0	773.0	772.0	755.0	628.0
95°	193.0	198.0	249.0	325.0	407.0	488.0	564.0	609.0	607.0	589.0	490.0
97.5°	156.0	159.0	203.0	267.0	336.0	399.0	454.0	486.0	470.0	463.0	384.0
100°	128.0	130.0	168.0	223.0	280.0	334.0	373.0	386.0	364.0	360.0	302.0
102.5°	109.0	110.0	142.0	189.0	234.0	275.0	304.0	310.0	284.0	286.0	238.0
105°	93.0	94.0	119.0	161.0	199.0	230.0	251.0	248.0	227.0	224.0	190.0
107.5°	81.0	82.0	102.0	138.0	171.0	197.0	208.0	201.0	182.0	178.0	153.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	71.0	72.0	88.0	118.0	147.0	169.0	175.0	164.0	147.0	143.0	126.0
112.5°	64.0	64.0	77.0	102.0	128.0	146.0	148.0	137.0	118.0	116.0	105.0
115°	58.0	58.0	68.0	88.0	111.0	125.0	125.0	112.0	97.0	96.0	88.0
117.5°	53.0	53.0	60.0	77.0	96.0	108.0	106.0	94.0	81.0	80.0	76.0
120°	49.0	49.0	54.0	67.0	83.0	92.0	90.0	78.0	68.0	67.0	65.0
122.5°	45.0	46.0	49.0	59.0	72.0	79.0	77.0	67.0	58.0	57.0	57.0
125°	42.0	42.0	44.0	51.0	62.0	68.0	65.0	55.0	49.0	49.0	49.0
127.5°	39.0	39.0	40.0	45.0	53.0	57.0	54.0	46.0	43.0	42.0	43.0
130°	36.0	36.0	37.0	39.0	45.0	47.0	44.0	39.0	36.0	36.0	37.0
132.5°	33.0	33.0	33.0	34.0	37.0	39.0	36.0	32.0	31.0	31.0	32.0
135°	30.0	31.0	30.0	30.0	31.0	31.0	28.0	26.0	26.0	27.0	28.0
137.5°	27.0	27.0	26.0	25.0	25.0	24.0	22.0	21.0	22.0	22.0	23.0
140°	24.0	24.0	23.0	21.0	19.0	18.0	17.0	16.0	18.0	18.0	19.0
142.5°	21.0	21.0	19.0	17.0	14.0	12.0	11.0	12.0	14.0	14.0	15.0
145°	17.0	17.0	16.0	14.0	10.0	8.0	7.0	9.0	10.0	10.0	11.0
147.5°	14.0	13.0	12.0	10.0	7.0	5.0	4.0	6.0	7.0	7.0	8.0
150°	10.0	10.0	9.0	7.0	4.0	2.0	2.0	3.0	4.0	4.0	5.0
152.5°	7.0	7.0	6.0	4.0	2.0	0.0	1.0	2.0	2.0	2.0	3.0
155°	4.0	4.0	4.0	3.0	1.0	0.0	0.0	1.0	1.0	1.0	2.0
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	2.0	1.0	1.0	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°	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
2.5°	302.0	300.0	298.0	295.0	293.0	291.0	289.0	288.0	288.0	287.0	288.0
5°	313.0	310.0	304.0	299.0	293.0	289.0	285.0	283.0	281.0	280.0	280.0
7.5°	333.0	329.0	319.0	310.0	301.0	294.0	289.0	284.0	282.0	281.0	281.0
10°	362.0	356.0	341.0	328.0	315.0	306.0	297.0	292.0	289.0	287.0	287.0
12.5°	403.0	393.0	374.0	352.0	335.0	323.0	312.0	307.0	306.0	306.0	306.0
15°	458.0	444.0	415.0	389.0	364.0	343.0	335.0	335.0	334.0	333.0	334.0
17.5°	515.0	499.0	463.0	430.0	399.0	378.0	365.0	362.0	361.0	360.0	361.0
20°	583.0	563.0	521.0	476.0	437.0	417.0	399.0	391.0	390.0	391.0	389.0
22.5°	660.0	638.0	576.0	522.0	479.0	451.0	430.0	419.0	421.0	421.0	420.0
25°	753.0	719.0	646.0	573.0	521.0	482.0	458.0	447.0	448.0	450.0	452.0
27.5°	847.0	808.0	715.0	626.0	558.0	513.0	485.0	473.0	472.0	478.0	477.0
30°	957.0	907.0	791.0	680.0	592.0	535.0	506.0	496.0	495.0	500.0	501.0
32.5°	1074.9	1013.0	870.0	734.0	622.0	554.0	521.0	514.0	512.0	517.0	518.0
35°	1203.9	1124.9	947.0	781.0	647.0	567.0	533.0	525.0	522.0	527.0	529.0
37.5°	1328.9	1236.9	1026.0	823.0	667.0	575.0	538.0	532.0	528.0	531.0	532.0
40°	1460.9	1362.9	1105.9	861.0	679.0	579.0	540.0	534.0	530.0	530.0	530.0
42.5°	1605.9	1478.9	1170.9	888.0	686.0	578.0	538.0	531.0	526.0	522.0	522.0
45°	1754.9	1603.9	1237.9	910.0	687.0	573.0	533.0	527.0	519.0	511.0	510.0
47.5°	1899.9	1716.9	1296.9	922.0	684.0	566.0	526.0	518.0	511.0	499.0	499.0
50°	2040.9	1829.9	1345.9	928.0	675.0	558.0	519.0	511.0	502.0	486.0	484.0
52.5°	2169.9	1932.9	1382.9	926.0	662.0	547.0	510.0	503.0	492.0	473.0	473.0
55°	2296.9	2027.9	1405.9	913.0	646.0	535.0	502.0	495.0	483.0	463.0	461.0
57.5°	2400.9	2095.9	1414.9	893.0	628.0	522.0	494.0	487.0	476.0	454.0	454.0
60°	2488.9	2152.9	1408.9	867.0	608.0	510.0	484.0	480.0	470.0	449.0	449.0
62.5°	2539.9	2175.9	1385.9	834.0	585.0	497.0	475.0	473.0	464.0	444.0	444.0
65°	2550.9	2160.9	1338.9	793.0	562.0	482.0	465.0	464.0	458.0	439.0	437.0
67°	2520.9	2121.9	1286.9	758.0	542.0	470.0	456.0	456.0	451.0	434.0	433.0
67.5°	2509.9	2106.9	1272.9	749.0	538.0	468.0	454.0	455.0	450.0	433.0	430.0
70°	2413.9	2005.9	1186.9	698.0	510.0	450.0	441.0	442.0	438.0	425.0	422.0
72.5°	2264.9	1860.9	1085.9	649.0	482.0	432.0	423.0	427.0	423.0	413.0	407.0
75°	2063.9	1683.9	981.0	593.0	454.0	410.0	404.0	406.0	405.0	395.0	390.0
77.5°	1826.9	1488.9	869.0	541.0	423.0	388.0	382.0	385.0	383.0	374.0	368.0
80°	1569.9	1282.9	761.0	489.0	391.0	363.0	357.0	358.0	357.0	348.0	340.0
82.5°	1317.9	1080.9	651.0	438.0	360.0	336.0	329.0	328.0	326.0	316.0	310.0
85°	1087.9	888.0	556.0	389.0	328.0	306.0	300.0	296.0	293.0	282.0	278.0
87.5°	867.0	726.0	470.0	347.0	296.0	278.0	270.0	263.0	258.0	248.0	244.0
90°	692.0	585.0	401.0	304.0	267.0	251.0	240.0	231.0	225.0	214.0	208.0
92.5°	549.0	466.0	337.0	267.0	239.0	225.0	215.0	204.0	196.0	182.0	179.0
95°	435.0	375.0	284.0	234.0	212.0	200.0	191.0	179.0	168.0	154.0	151.0
97.5°	344.0	306.0	239.0	205.0	187.0	177.0	168.0	156.0	144.0	130.0	128.0
100°	275.0	246.0	205.0	179.0	167.0	157.0	148.0	137.0	122.0	108.0	108.0
102.5°	221.0	202.0	172.0	157.0	147.0	139.0	131.0	120.0	104.0	89.0	89.0
105°	179.0	167.0	148.0	137.0	130.0	124.0	116.0	103.0	87.0	75.0	75.0
107.5°	147.0	138.0	127.0	119.0	115.0	109.0	102.0	89.0	74.0	63.0	63.0



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CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	122.0	116.0	108.0	105.0	102.0	97.0	89.0	77.0	62.0	54.0	54.0
112.5°	102.0	99.0	93.0	92.0	90.0	86.0	78.0	66.0	52.0	47.0	47.0
115°	87.0	85.0	81.0	81.0	79.0	76.0	68.0	57.0	45.0	40.0	41.0
117.5°	74.0	73.0	71.0	71.0	70.0	67.0	59.0	49.0	38.0	36.0	36.0
120°	65.0	64.0	63.0	62.0	62.0	58.0	51.0	41.0	33.0	32.0	32.0
122.5°	56.0	56.0	55.0	55.0	54.0	50.0	44.0	35.0	29.0	28.0	28.0
125°	49.0	49.0	48.0	48.0	47.0	44.0	38.0	30.0	25.0	25.0	25.0
127.5°	43.0	43.0	42.0	42.0	41.0	37.0	32.0	25.0	22.0	22.0	23.0
130°	38.0	38.0	37.0	36.0	35.0	32.0	26.0	21.0	19.0	20.0	20.0
132.5°	33.0	32.0	32.0	31.0	29.0	26.0	22.0	18.0	17.0	18.0	18.0
135°	28.0	28.0	27.0	26.0	24.0	22.0	18.0	15.0	15.0	16.0	16.0
137.5°	24.0	24.0	23.0	21.0	20.0	17.0	14.0	12.0	13.0	14.0	14.0
140°	19.0	20.0	19.0	17.0	15.0	13.0	11.0	10.0	11.0	12.0	13.0
142.5°	16.0	16.0	15.0	13.0	11.0	9.0	8.0	8.0	10.0	11.0	11.0
145°	12.0	12.0	11.0	10.0	7.0	6.0	5.0	7.0	8.0	9.0	9.0
147.5°	8.0	8.0	8.0	6.0	4.0	3.0	3.0	5.0	7.0	7.0	7.0
150°	5.0	5.0	5.0	4.0	2.0	1.0	2.0	4.0	5.0	6.0	6.0
152.5°	3.0	3.0	3.0	2.0	1.0	0.0	1.0	3.0	4.0	4.0	4.0
155°	2.0	2.0	2.0	1.0	1.0	0.0	1.0	2.0	3.0	3.0	3.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0
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)