Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P254520

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Report Generated By E9812814

Test Information

Test Method:	LM-79-08
Report Number:	P254520
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	LXF.LXT-AF24-50-D-U-5WQ-CL-7030
Description:	DECORATIVE POST TOP LUMINAIRE
	(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5559 lumens
Efficiency:	N/A
Efficacy:	102.9 lumens/watt
Luminous Opening:	Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification:	Type V - Short - Non-Cutoff
BUG Rating:	B3 - U3 - G2

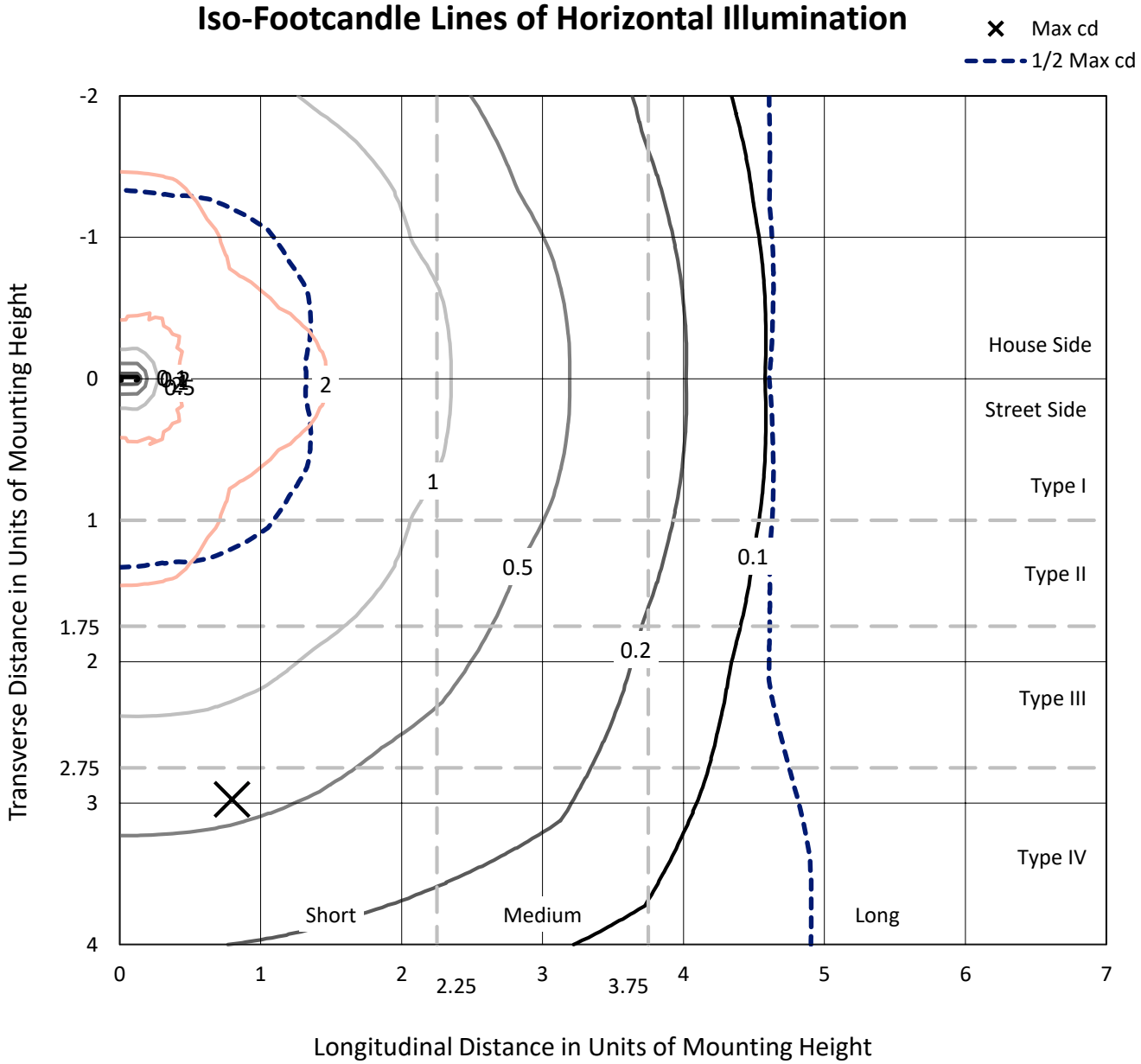
Input Watts (W):	54
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P254520
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-CL-7030

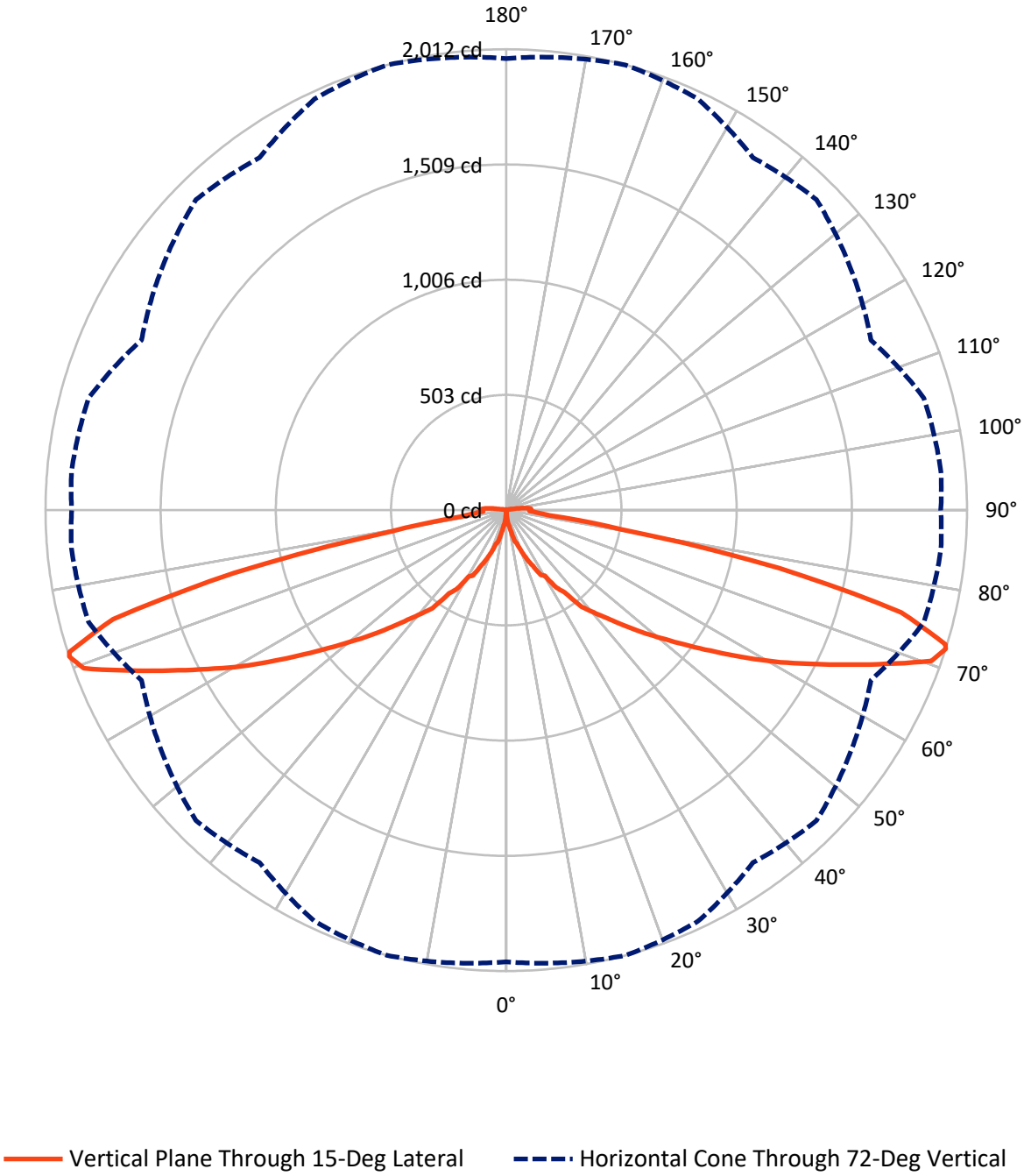
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - Non-Cutoff

REPORT NUMBER: P254520
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-CL-7030

Luminous Intensity Polar Plot



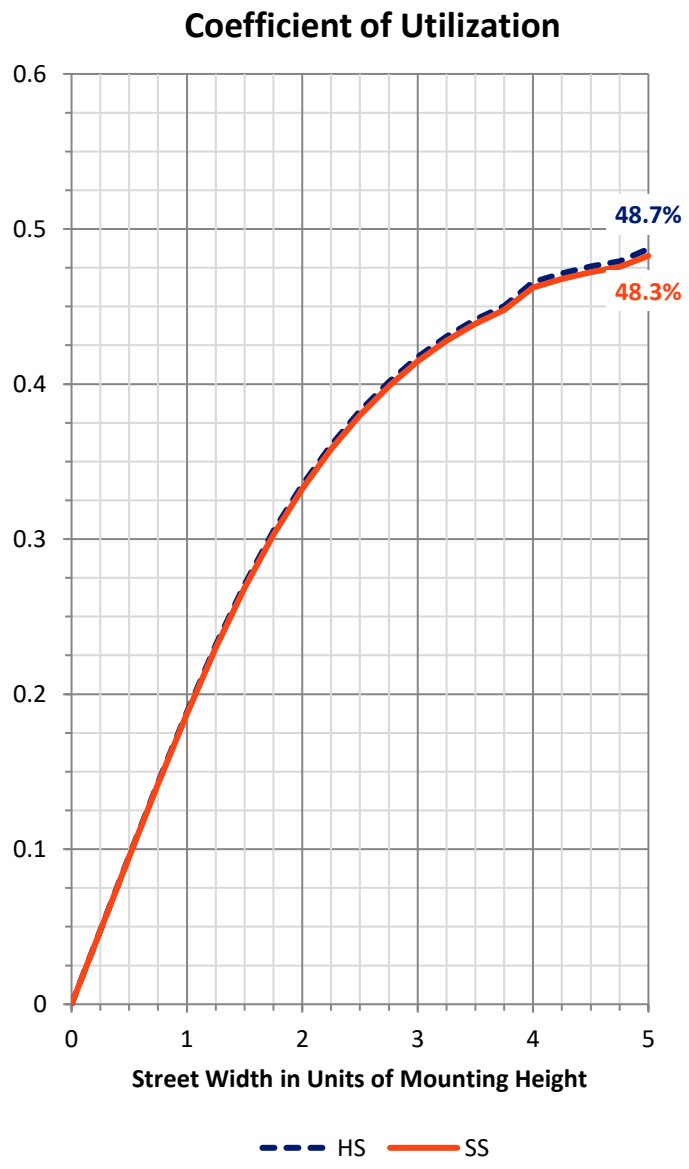
REPORT NUMBER: P254520
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-CL-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2716.9	62.7	2779.5
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	2716.9	62.7	2779.5
	% Fixture	48.9	1.1	50.0
Total	Lumens	5433.7	125.3	5559.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.0
10°-20°	33.4	0.6
20°-30°	125.8	2.3
30°-40°	284.5	5.1
40°-50°	516.8	9.3
50°-60°	926.7	16.7
60°-70°	1566.3	28.2
70°-80°	1682.7	30.3
80°-90°	295.0	5.3
90°-100°	102.6	1.8
100°-110°	13.6	0.2
110°-120°	3.9	0.1
120°-130°	2.4	0.0
130°-140°	1.4	0.0
140°-150°	1.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5433.7	97.7
0°-180°	5559.0	100.0

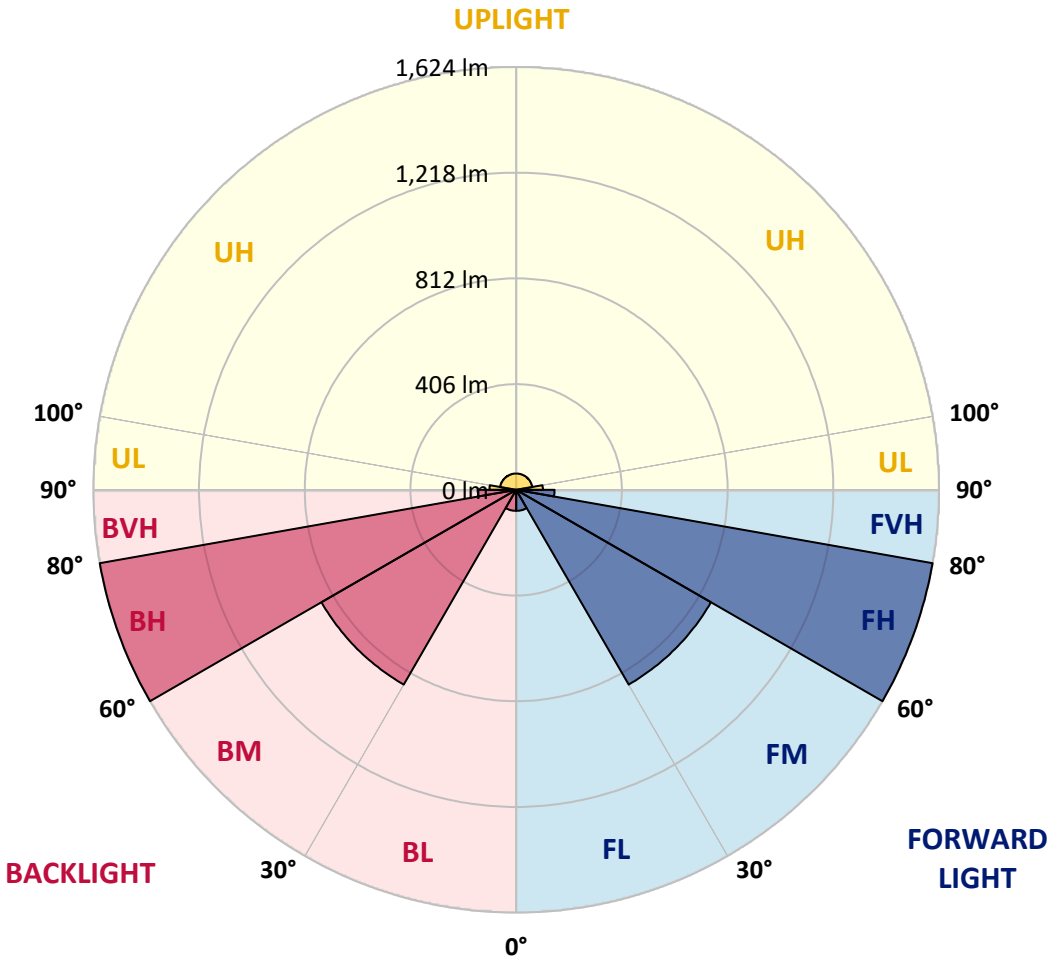


REPORT NUMBER: P254520
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	80.9	1.5			
FM	(30°-60°)	864.0	15.5			
FH	(60°-80°)	1624.5	29.2			G1/1800
FVH	(80°-90°)	147.5	2.7			G2/225
BL	(0°-30°)	80.9	1.5	B0/110		
BM	(30°-60°)	864.0	15.5	B1/1000		
BH	(60°-80°)	1624.5	29.2	B3/2500		G1/1800
BVH	(80°-90°)	147.5	2.7			G2/225
UL	(90°-100°)	102.6	1.8		U3/500	
UH	(100°-180°)	62.7	1.1		U3/500	

BUG Rating: B3-U3-G2
Type V Short



REPORT NUMBER: P254520
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3.8	3.8	*3.8*	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	5.0	5.0	*5.0*	4.4	4.4	4.4	4.4	3.8	4.4	4.4	4.4
5°	28.2	29.4	*26.2*	25.6	11.9	9.4	5.7	4.4	4.4	4.4	4.4
7.5°	63.2	63.2	*61.3*	55.0	40.7	33.8	18.8	6.9	5.0	4.4	4.4
10°	72.5	71.3	*68.2*	68.2	65.7	60.1	35.6	16.9	7.5	6.9	6.9
12.5°	110.2	110.2	*100.7*	92.6	73.2	66.3	56.3	40.0	41.3	66.3	75.7
15°	147.0	147.0	*141.4*	131.3	104.5	77.6	101.3	118.9	100.7	108.1	108.8
17.5°	163.3	162.6	*155.1*	146.4	135.2	148.9	140.7	136.3	118.9	119.4	122.0
20°	226.3	224.0	*195.8*	179.5	157.7	190.7	167.6	157.0	200.8	215.8	220.8
22.5°	242.1	240.2	*232.7*	217.7	227.7	204.6	206.4	227.0	230.7	238.3	240.2
25°	286.5	285.8	*268.3*	241.5	262.1	234.0	265.8	242.7	257.8	300.3	316.6
27.5°	327.1	325.9	*319.6*	289.0	276.4	303.4	283.3	315.2	348.4	357.9	365.3
30°	366.6	364.7	*332.8*	337.2	308.3	321.6	345.3	350.9	363.4	387.8	389.1
32.5°	429.7	425.3	*404.0*	375.3	367.2	344.0	370.9	372.1	459.1	504.1	514.8
35°	492.9	488.5	*441.0*	427.9	399.7	408.4	397.1	454.1	489.8	532.3	539.8
37.5°	575.5	571.1	*535.4*	473.5	446.0	433.4	462.2	485.4	516.0	572.9	572.3
40°	620.5	618.6	*586.0*	537.3	491.0	476.6	491.6	512.3	559.9	611.1	616.8
42.5°	674.2	669.9	*644.3*	587.4	548.6	526.6	523.6	564.3	614.9	669.3	670.6
45°	739.3	733.1	*715.0*	639.9	601.7	584.2	583.6	626.2	684.9	739.3	745.5
47.5°	812.6	806.9	*795.0*	707.5	670.6	648.0	662.4	689.3	749.3	814.4	821.3
50°	891.3	888.2	*878.2*	794.5	763.7	727.4	743.7	760.6	832.5	895.1	896.9
52.5°	975.8	977.7	*973.3*	892.0	858.2	831.9	850.0	846.9	917.0	989.6	987.7
55°	1081.4	1081.4	*1083.3*	1017.1	983.9	938.2	969.5	962.0	1025.8	1090.2	1088.3
57.5°	1200.3	1201.0	*1206.5*	1154.0	1125.9	1088.3	1109.0	1094.7	1135.3	1191.6	1185.9
60°	1319.8	1324.8	*1342.4*	1319.8	1283.5	1251.6	1280.4	1208.4	1257.9	1309.8	1301.6
62.5°	1443.0	1450.5	*1476.7*	1472.4	1433.6	1419.9	1443.7	1349.8	1415.5	1427.4	1419.3
65°	1585.7	1587.5	*1624.4*	1626.4	1568.1	1594.9	1586.9	1482.4	1575.0	1564.4	1563.1
67.5°	1743.9	1757.0	*1790.8*	1775.1	1697.6	1720.1	1706.9	1607.5	1704.5	1701.3	1695.7
70°	1937.8	1943.4	*1970.3*	1912.8	1801.4	1832.1	1795.1	1711.3	1844.7	1867.1	1861.4
72°	*1971.6*	*1985.4*	*2012.2*	*1980.4*	*1878.3*	*1916.5*	*1837.0*	*1757.0*	*1888.3*	*1905.9*	*1897.8*
72.5°	1962.9	1974.1	*2005.4*	1978.4	1887.8	1929.1	1842.1	1755.8	1877.1	1895.2	1885.3
75°	1710.8	1709.5	*1781.4*	1831.4	1864.0	1985.9	1817.6	1658.2	1674.4	1671.3	1655.8
77.5°	1089.0	1122.7	*1219.2*	1383.5	1625.7	1847.7	1610.7	1328.6	1190.3	1109.6	1075.2
80°	379.6	405.9	*509.8*	730.0	1134.0	1409.9	1128.4	733.1	487.9	379.0	374.0
82.5°	150.8	172.6	*190.1*	252.1	531.0	825.0	527.2	272.7	218.9	197.6	191.4
85°	119.4	122.6	*135.2*	143.9	192.7	266.5	234.0	165.1	153.8	138.2	135.2
87.5°	105.1	107.6	*101.3*	103.8	134.5	149.4	147.0	106.3	95.0	104.5	100.7
90°	110.2	111.3	*101.9*	103.2	136.3	153.3	142.0	100.1	98.9	109.5	105.8
92.5°	117.6	119.4	*109.5*	110.2	140.7	158.9	142.6	99.4	107.6	117.6	113.8
95°	96.3	98.9	*92.0*	94.4	122.6	142.0	127.0	88.8	95.7	114.5	110.7
97.5°	57.0	59.4	*58.8*	75.1	80.8	88.8	82.6	61.3	58.8	64.5	60.6
100°	10.1	12.4	*26.2*	49.3	45.7	38.8	42.5	38.1	25.0	13.1	9.4
102.5°	9.4	10.1	*19.3*	26.9	19.3	13.7	18.8	22.5	14.4	8.7	8.7
105°	9.4	10.1	*10.6*	11.3	6.2	5.7	8.0	13.1	8.7	8.7	8.7
107.5°	8.7	8.7	*5.7*	5.0	5.0	5.7	5.0	5.7	6.2	8.0	8.7

REPORT NUMBER: P254520
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-CL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	7.5	7.5	*5.0*	4.4	4.4	5.0	4.4	5.0	5.0	6.2	6.2
112.5°	5.7	5.7	*3.8*	3.8	3.8	4.4	3.8	3.8	4.4	5.0	5.0
115°	5.7	5.7	*3.8*	3.2	3.2	3.8	3.2	3.2	3.8	5.0	5.0
117.5°	5.0	5.0	*3.2*	2.5	2.5	2.5	2.5	2.5	3.8	5.0	5.0
120°	5.0	5.0	*3.2*	2.5	2.5	1.8	2.5	2.5	3.2	5.0	5.0
122.5°	5.0	5.0	*3.2*	1.8	1.8	1.8	1.8	2.5	3.2	4.4	5.0
125°	5.0	4.4	*3.2*	1.8	1.8	1.8	1.8	1.8	3.2	4.4	4.4
127.5°	4.4	4.4	*3.2*	1.8	1.8	1.2	1.2	1.8	2.5	3.8	4.4
130°	4.4	4.4	*3.2*	1.8	1.8	1.2	1.2	1.2	2.5	3.8	3.8
132.5°	3.8	3.8	*2.5*	1.2	1.2	1.2	1.2	1.2	1.8	3.2	3.2
135°	3.2	3.2	*2.5*	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
137.5°	3.2	3.2	*2.5*	1.8	1.2	1.2	1.2	1.2	1.2	1.8	1.8
140°	3.2	3.2	*2.5*	1.8	1.2	1.2	1.2	1.2	1.8	1.8	1.8
142.5°	3.2	3.2	*2.5*	1.8	1.2	1.2	1.2	1.2	1.8	1.8	1.8
145°	3.2	3.2	*2.5*	1.8	1.2	1.2	1.2	1.8	1.8	2.5	2.5
147.5°	3.2	3.2	*2.5*	1.8	1.2	0.6	1.2	1.8	2.5	2.5	2.5
150°	3.2	3.2	*2.5*	1.2	0.6	0.0	0.6	1.2	1.8	2.5	2.5
152.5°	2.5	2.5	*1.8*	0.6	0.6	0.0	0.0	0.6	1.8	1.8	1.8
155°	1.2	1.2	*0.6*	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
157.5°	0.6	0.6	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
160°	0.0	0.0	*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

(END OF REPORT)