

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: P182355

Luminaire Tested: **LXF-F02-LED-E-U-SYM-BK-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182355
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34329)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF-F02-LED-E-U-SYM-BK-7030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3723.6 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U4 - G2

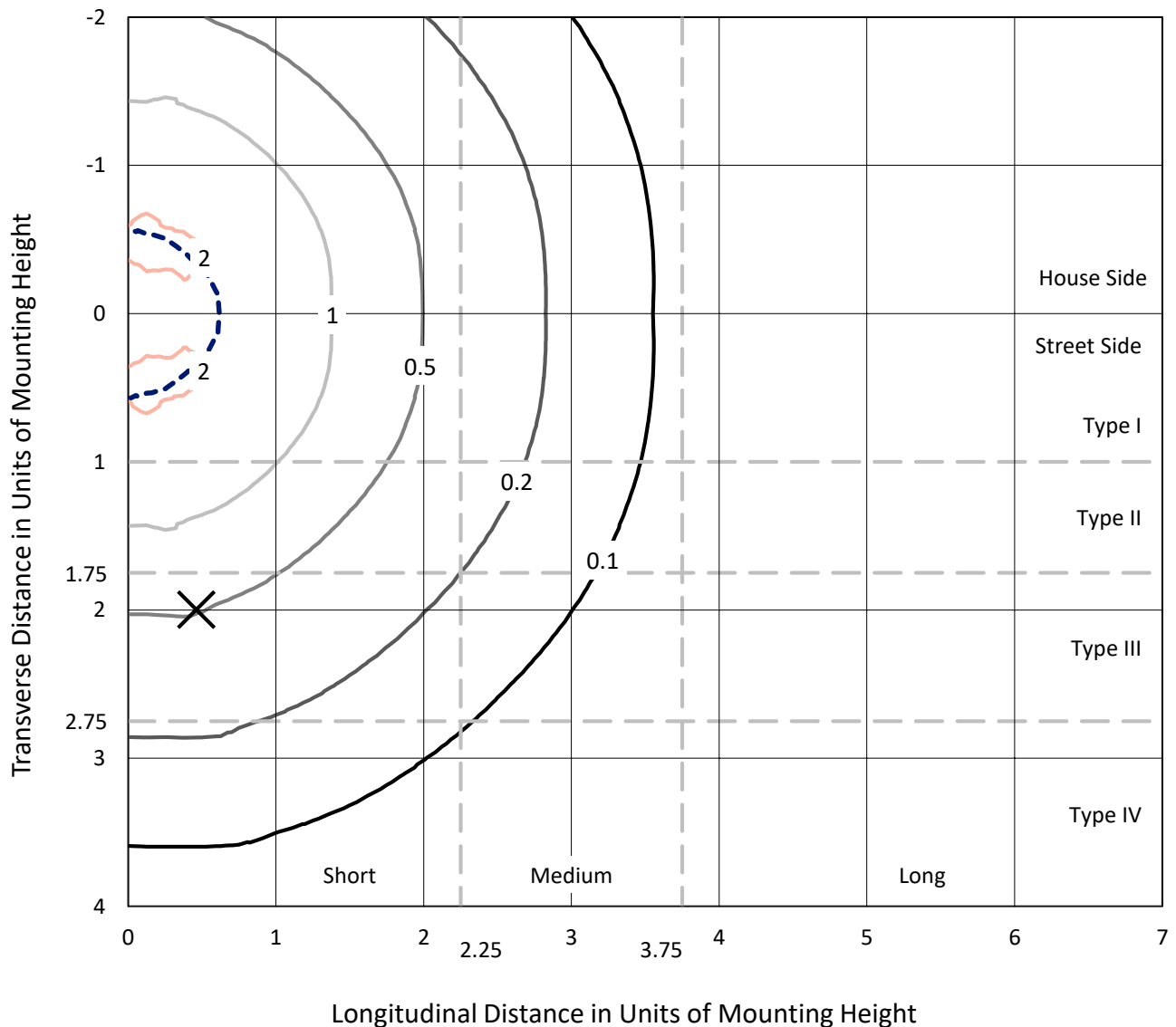
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P182355
 CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

Iso-Footcandle Lines of Horizontal Illumination

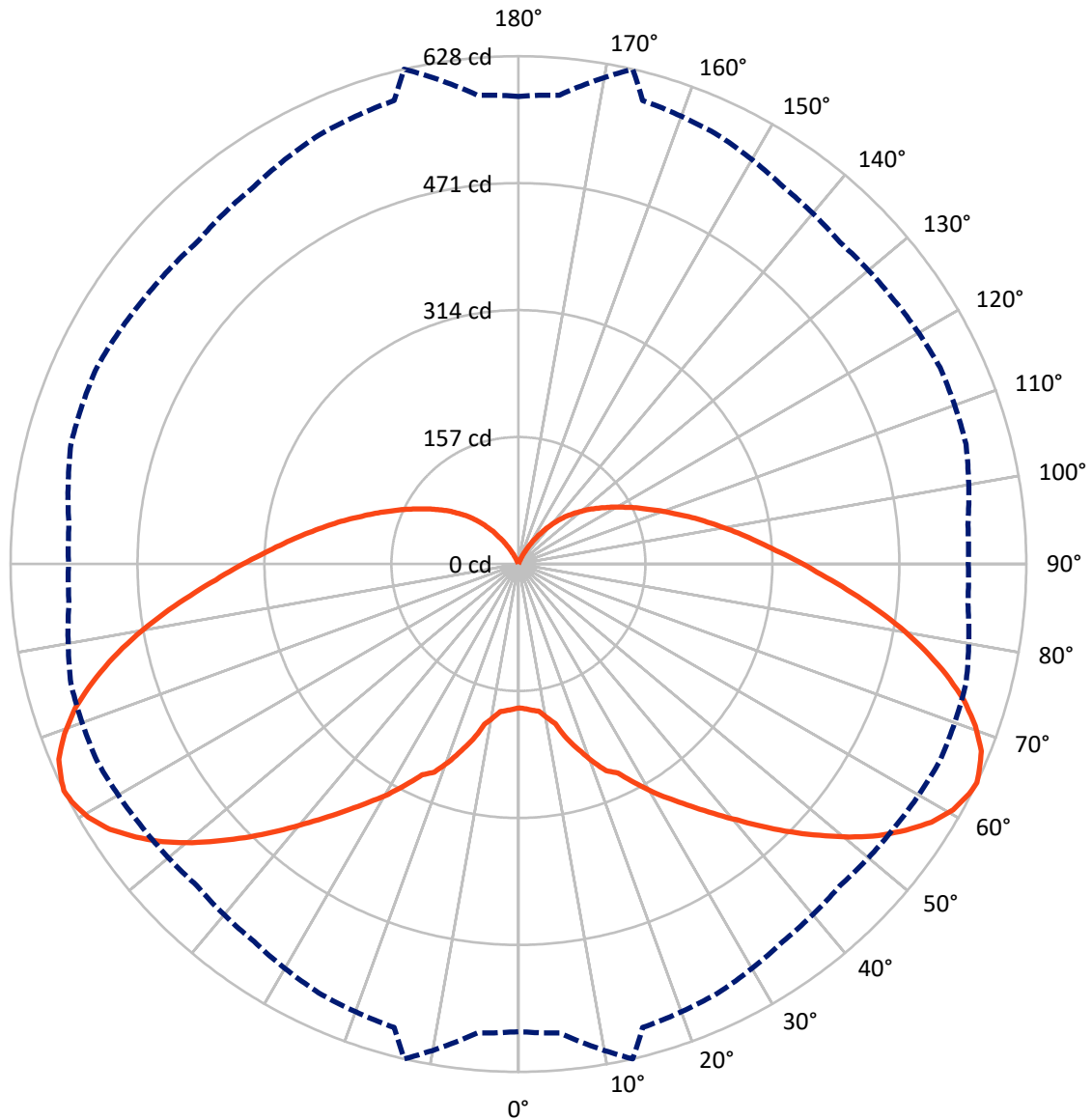
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P182355
CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 13-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P182355

CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

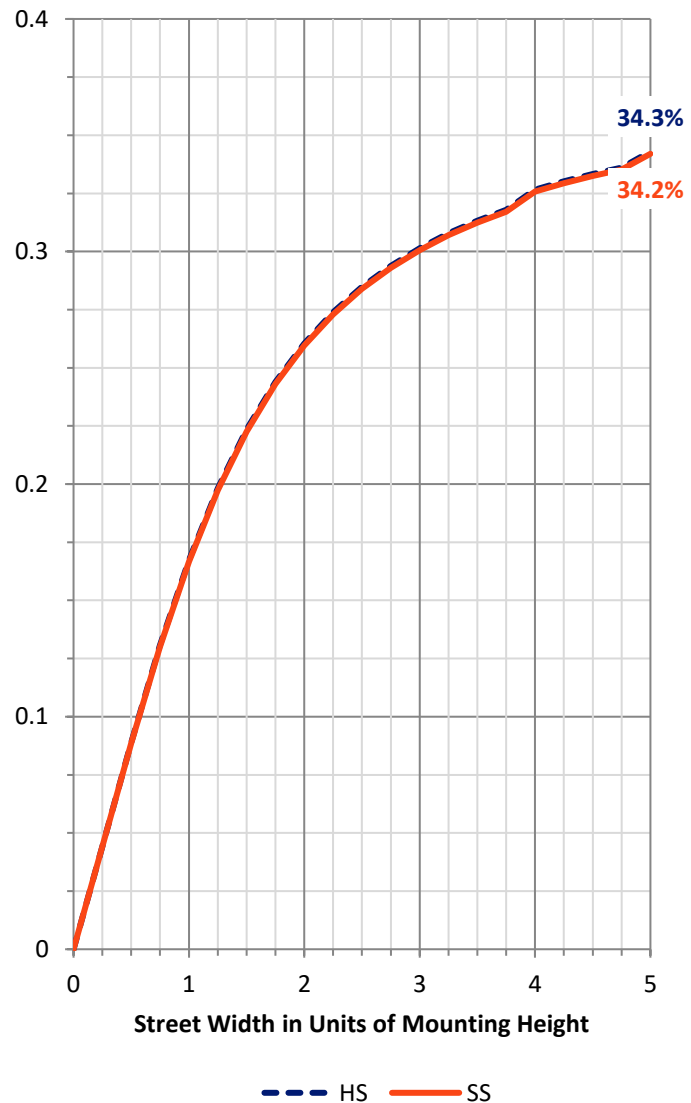
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1401.5	460.3	1861.8
	% Fixture	37.6	12.4	50.0
Street Side	Lumens	1401.5	460.3	1861.8
	% Fixture	37.6	12.4	50.0
Total	Lumens	2803.0	920.6	3723.6
	% Fixture	75.3	24.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.5
10°-20°	61.8	1.7
20°-30°	127.7	3.4
30°-40°	221.6	6.0
40°-50°	342.6	9.2
50°-60°	474.6	12.7
60°-70°	567.2	15.2
70°-80°	549.0	14.7
80°-90°	440.6	11.8
90°-100°	328.1	8.8
100°-110°	239.4	6.4
110°-120°	167.2	4.5
120°-130°	106.6	2.9
130°-140°	56.5	1.5
140°-150°	20.1	0.5
150°-160°	2.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2803.0	75.3
0°-180°	3723.6	100.0



REPORT NUMBER: P182355

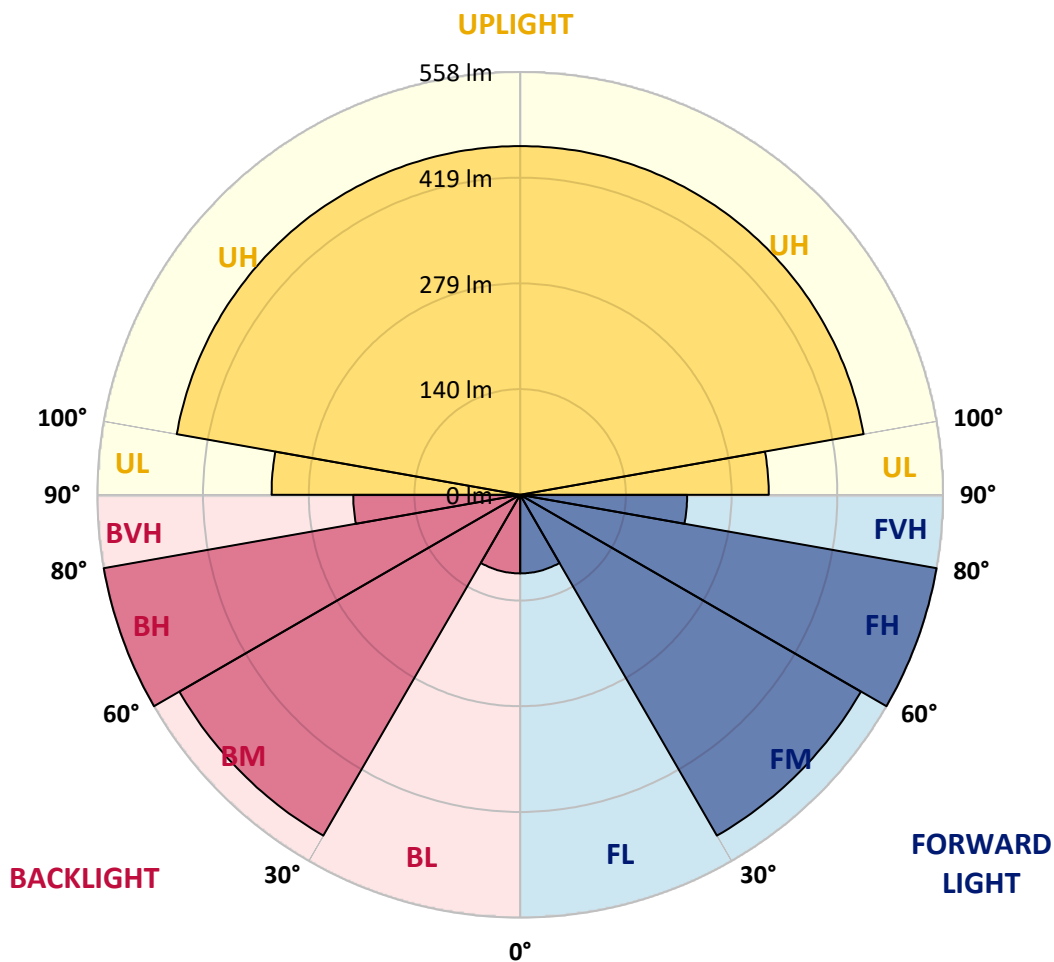
CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.7	2.8			
FM	(30°-60°)	519.4	13.9			
FH	(60°-80°)	558.1	15.0			G0/660
FVH	(80°-90°)	220.3	5.9			G2/225
BL	(0°-30°)	103.7	2.8	B0/110		
BM	(30°-60°)	519.4	13.9	B1/1000		
BH	(60°-80°)	558.1	15.0	B2/1000		G0/660
BVH	(80°-90°)	220.3	5.9			G2/225
UL	(90°-100°)	328.1	8.8		U3/500	
UH	(100°-180°)	460.3	12.4		U3/500	

BUG Rating: B2-U4-G2

Type V Short





REPORT NUMBER: P182355

CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
0°	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9	177.9
2.5°	177.9	177.9	179.5	177.9	178.7	179.5	178.7	178.7	179.5	179.5	179.5
5°	180.2	179.5	181.7	179.5	181.0	184.0	184.7	188.5	189.3	190.0	187.7
7.5°	181.7	181.7	184.0	181.0	185.5	190.8	192.3	190.8	194.5	197.5	193.0
10°	187.7	187.0	193.0	189.3	190.8	194.5	198.3	202.1	200.6	205.1	199.8
12.5°	195.3	196.0	202.8	197.5	203.6	205.1	204.3	205.8	204.3	207.3	206.6
15°	211.1	210.4	223.9	216.4	215.6	214.9	212.6	210.4	211.9	213.4	211.9
17.5°	225.4	226.2	241.3	231.5	236.0	231.5	221.7	218.7	220.2	222.4	224.7
20°	242.0	241.3	260.1	248.8	254.1	245.8	237.5	232.2	234.5	236.8	238.3
22.5°	257.1	257.9	277.5	263.1	264.7	261.6	254.8	251.8	248.8	250.3	251.1
25°	274.5	274.5	286.5	272.9	276.0	276.0	276.0	271.4	263.9	264.7	266.2
27.5°	293.3	293.3	306.1	291.8	292.5	296.3	295.6	291.8	282.7	281.2	283.5
30°	310.6	310.6	327.2	310.6	314.4	317.4	315.9	311.4	303.9	298.6	299.3
32.5°	328.7	328.7	346.8	329.5	334.8	338.5	337.8	334.0	324.2	315.2	315.2
35°	348.3	348.3	367.9	349.1	357.4	361.2	360.4	355.9	346.1	333.3	334.0
37.5°	370.2	369.5	391.3	371.0	379.3	382.3	381.5	377.0	368.7	353.6	353.6
40°	391.3	391.3	416.2	394.3	402.6	405.6	404.1	399.6	391.3	377.0	373.2
42.5°	414.7	413.9	444.1	419.2	426.0	428.3	425.3	421.5	414.7	401.1	395.1
45°	438.1	438.1	472.8	444.9	450.9	450.1	449.4	444.9	438.1	424.5	416.2
47.5°	463.7	463.0	501.4	470.5	475.8	472.8	470.5	466.7	460.7	447.9	437.3
50°	486.3	486.3	530.8	495.4	498.4	495.4	490.8	487.8	483.3	472.8	459.9
52.5°	511.2	510.5	558.0	519.5	521.0	515.0	508.9	508.2	505.2	495.4	481.8
55°	532.3	532.3	581.3	542.1	541.4	532.3	527.0	526.3	526.3	518.0	503.7
57.5°	551.2	551.9	602.4	562.5	558.7	548.2	541.4	542.1	545.1	539.1	523.3
60°	566.2	567.8	617.5	578.3	573.0	560.2	552.7	555.7	561.0	556.4	540.6
62.5°	576.1	579.1	625.8	589.6	582.1	567.8	560.2	564.7	570.8	568.5	553.4
64°	578.3	582.1	628.1	593.4	585.1	570.0	562.5	567.8	575.3	573.0	558.0
65°	578.3	582.8	625.8	594.1	586.6	570.0	562.5	568.5	576.8	574.5	558.7
67.5°	573.8	579.1	617.5	590.4	582.8	567.0	559.5	565.5	573.8	571.5	556.4
70°	560.2	567.0	599.4	579.1	572.3	557.2	550.4	555.7	564.0	562.5	546.6
72.5°	539.1	546.6	576.1	560.2	555.7	542.9	535.3	540.6	548.2	545.1	528.5
75°	511.2	520.3	546.6	536.1	534.6	523.3	517.2	521.8	526.3	519.5	501.4
77.5°	481.8	491.6	514.2	508.2	508.9	500.7	496.1	497.6	499.9	487.1	468.2
80°	450.9	457.7	479.5	475.8	480.3	475.0	470.5	470.5	467.5	454.7	432.0
82.5°	417.7	424.5	443.3	444.1	452.4	448.6	445.6	442.6	436.6	420.0	395.8
85°	383.0	389.1	407.9	410.2	420.0	420.7	418.5	414.7	405.6	386.8	360.4
87.5°	351.4	356.6	374.7	377.0	390.6	395.1	392.8	389.8	377.0	355.1	329.5
90°	323.5	327.2	346.1	347.6	362.7	370.2	369.5	362.7	349.9	326.5	300.8
92.5°	298.6	300.1	318.9	320.4	337.0	346.1	346.8	340.1	325.7	300.1	276.7
95°	275.2	277.5	295.6	295.6	314.4	325.0	325.7	318.9	302.4	278.2	255.6
97.5°	255.6	256.4	274.5	274.5	293.3	303.9	306.1	298.6	282.7	257.9	236.0
100°	236.8	236.8	254.1	254.1	272.9	285.0	287.3	279.0	262.4	237.5	217.9
102.5°	220.2	219.4	236.0	235.2	254.8	266.9	269.2	261.6	245.0	220.2	202.1
105°	205.1	204.3	218.7	217.9	237.5	250.3	253.3	245.0	227.0	202.8	188.5
107.5°	191.5	190.8	202.1	201.3	221.7	233.7	236.8	228.5	210.4	187.0	174.9



REPORT NUMBER: P182355

CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	13°	15°	25°	35°	45°	55°	65°	75°	85°
110°	178.7	177.2	187.7	186.2	205.8	217.9	220.9	212.6	195.3	172.7	164.4
112.5°	166.6	165.9	173.4	171.2	191.5	203.6	205.8	198.3	180.2	159.1	153.1
115°	156.1	155.3	161.4	158.3	175.7	187.7	191.5	183.2	165.1	147.0	143.3
117.5°	145.5	145.5	149.3	146.3	161.4	174.2	176.4	168.1	151.6	135.7	134.2
120°	135.7	135.0	138.7	134.2	147.0	159.1	161.4	153.1	138.0	125.9	125.9
122.5°	125.9	125.9	128.2	123.7	131.9	144.8	147.0	139.5	124.4	116.1	116.9
125°	116.9	116.1	118.4	112.3	117.6	128.9	131.9	125.2	112.3	107.1	108.6
127.5°	107.1	106.3	109.3	102.5	104.8	113.9	116.9	110.8	101.0	98.8	101.0
130°	97.3	96.5	99.5	92.7	91.2	98.0	101.8	96.5	89.7	90.5	93.5
132.5°	87.5	86.7	90.5	82.9	79.2	82.9	86.0	82.9	79.2	81.4	85.2
135°	77.7	77.7	81.4	73.1	67.9	68.6	70.1	69.4	68.6	73.9	76.9
137.5°	68.6	67.9	71.6	64.1	57.3	55.0	55.8	55.8	58.1	64.8	68.6
140°	58.1	58.1	61.1	54.3	46.7	42.2	42.2	43.0	48.3	55.8	59.6
142.5°	48.3	48.3	51.3	44.5	37.7	30.9	30.2	32.4	39.2	46.0	49.8
145°	39.2	38.5	40.7	35.4	28.7	21.1	18.8	22.6	30.2	36.9	40.7
147.5°	29.4	29.4	31.7	26.4	21.1	13.6	11.3	14.3	21.9	27.9	30.9
150°	21.1	20.4	22.6	18.1	13.6	8.3	4.5	8.3	14.3	18.8	21.9
152.5°	13.6	12.8	14.3	11.3	8.3	3.8	1.5	4.5	8.3	12.1	14.3
155°	6.8	6.8	7.5	6.0	3.8	1.5	0.8	1.5	3.8	6.0	7.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P182355

CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

CANDELA DISTRIBUTION (continued):

	90°
0°	177.9
2.5°	179.5
5°	187.7
7.5°	193.0
10°	196.0
12.5°	205.8
15°	212.6
17.5°	223.9
20°	238.3
22.5°	251.8
25°	266.2
27.5°	283.5
30°	300.1
32.5°	315.9
35°	334.8
37.5°	353.6
40°	374.7
42.5°	393.6
45°	415.5
47.5°	438.1
50°	459.9
52.5°	482.6
55°	504.4
57.5°	524.0
60°	539.9
62.5°	551.9
64°	556.4
65°	556.4
67.5°	551.9
70°	541.4
72.5°	521.8
75°	493.1
77.5°	459.9
80°	423.0
82.5°	389.1
85°	353.6
87.5°	323.5
90°	296.3
92.5°	272.9
95°	253.3
97.5°	234.5
100°	217.2
102.5°	202.1
105°	189.3
107.5°	175.7



REPORT NUMBER: P182355

CATALOG NUMBER: LXF-F02-LED-E-U-SYM-BK-7030

CANDELA DISTRIBUTION (continued):

	90°
110°	164.4
112.5°	153.1
115°	144.0
117.5°	135.0
120°	125.9
122.5°	117.6
125°	109.3
127.5°	101.8
130°	94.2
132.5°	86.0
135°	77.7
137.5°	68.6
140°	59.6
142.5°	49.8
145°	40.7
147.5°	30.9
150°	21.9
152.5°	14.3
155°	7.5
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)