

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: P266055

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3810.1 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 40
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

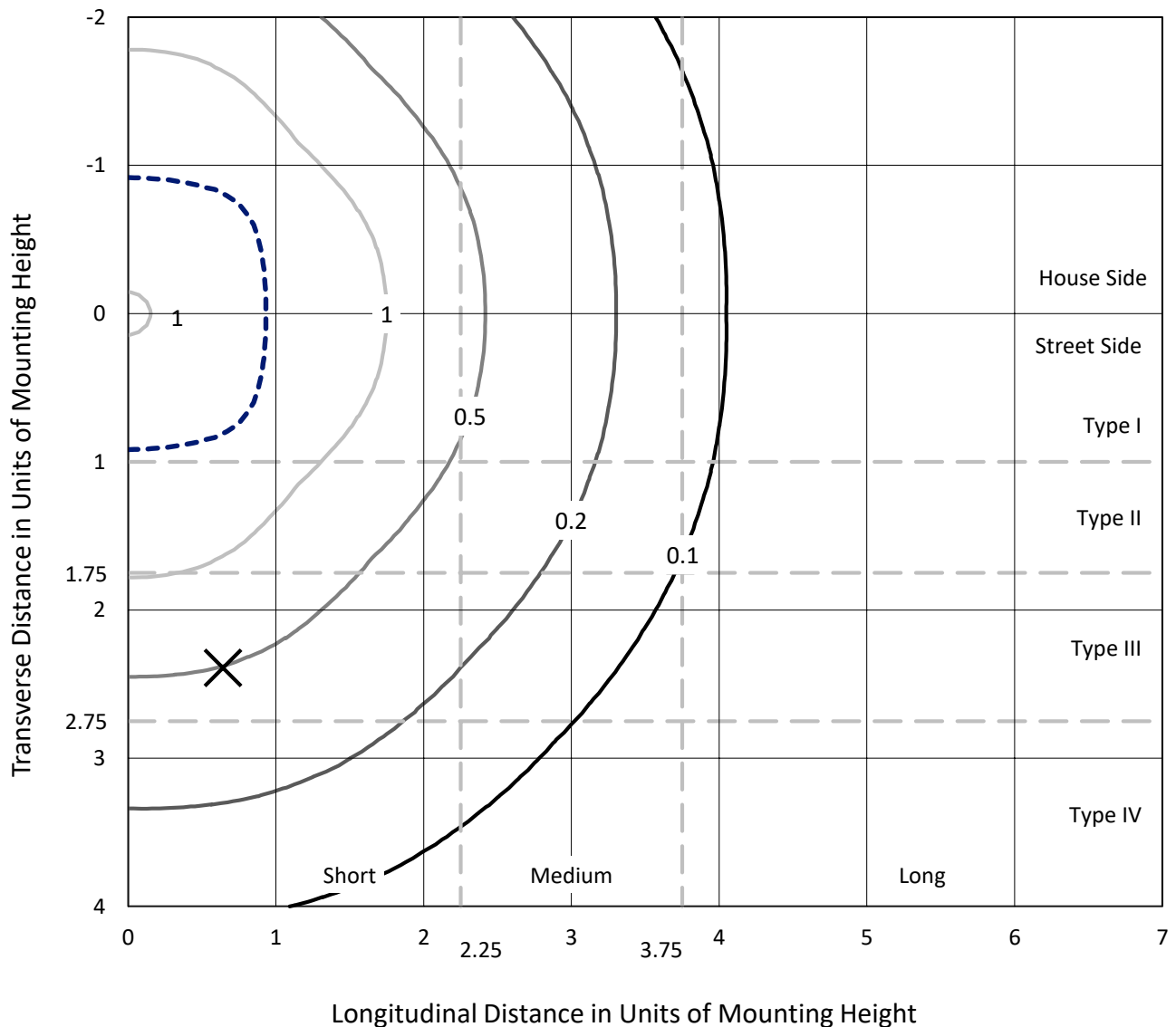


REPORT NUMBER: P266055

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL-7027

Iso-Footcandle Lines of Horizontal Illumination

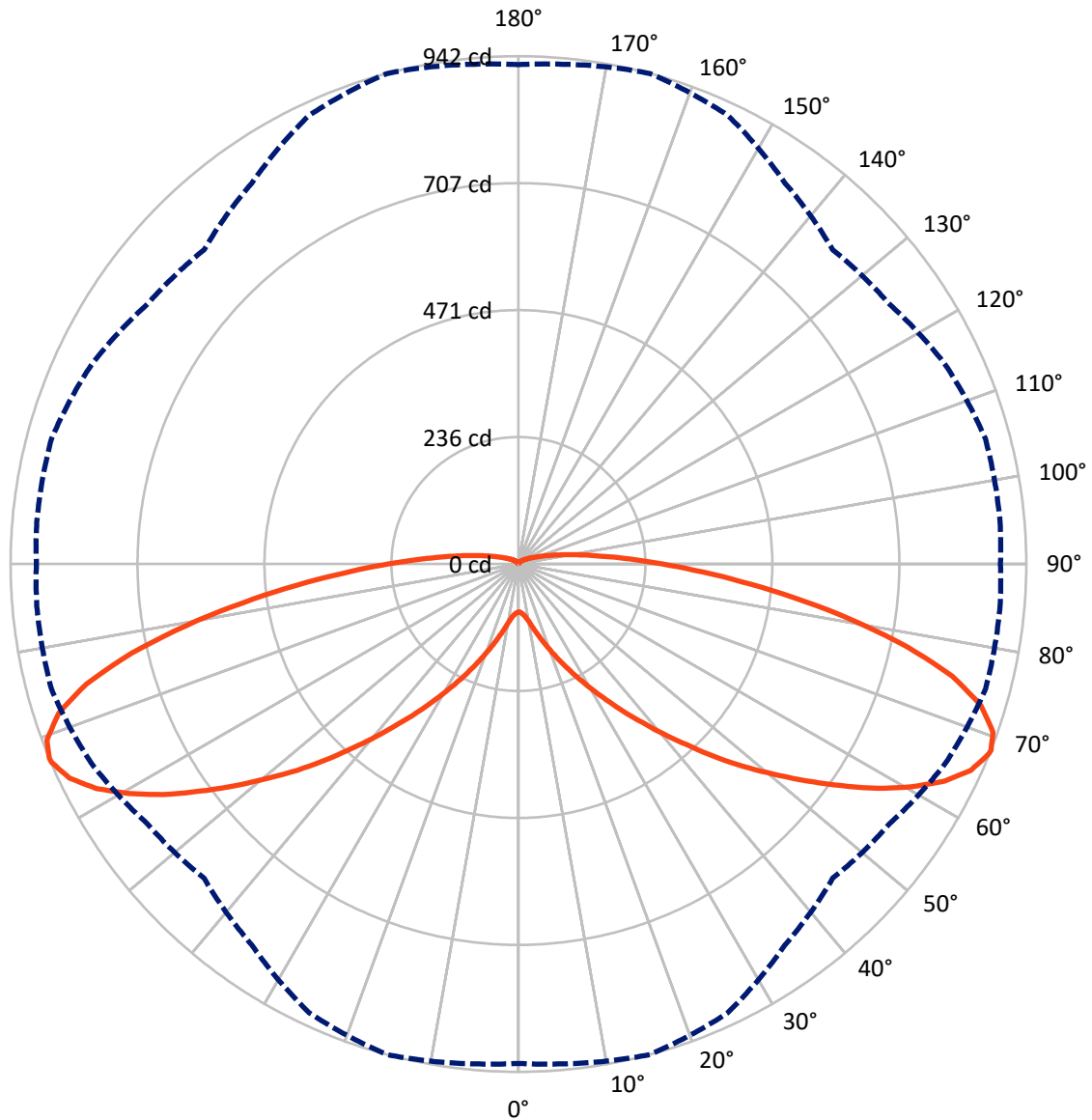
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P266055
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P266055

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL-7027

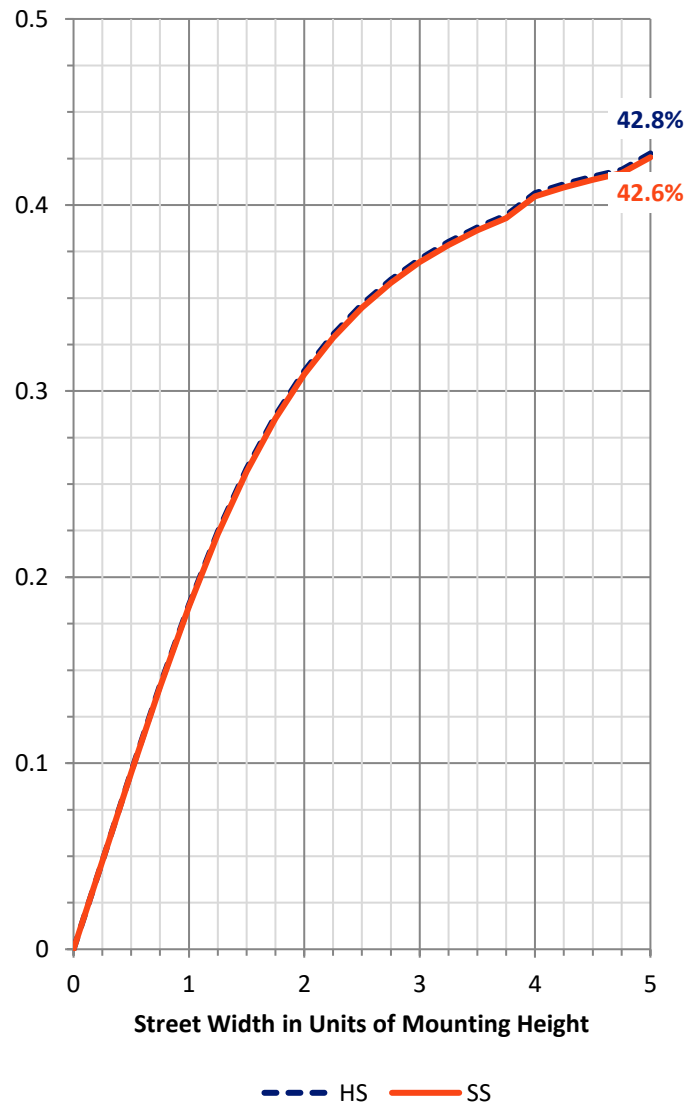
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1745.8	159.3	1905.1
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	1745.8	159.3	1905.1
	% Fixture	45.8	4.2	50.0
Total	Lumens	3491.5	318.6	3810.1
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.2
10°-20°	39.1	1.0
20°-30°	99.6	2.6
30°-40°	206.9	5.4
40°-50°	377.6	9.9
50°-60°	616.8	16.2
60°-70°	850.9	22.3
70°-80°	822.1	21.6
80°-90°	469.2	12.3
90°-100°	188.8	5.0
100°-110°	74.2	1.9
110°-120°	32.1	0.8
120°-130°	14.7	0.4
130°-140°	6.4	0.2
140°-150°	2.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3491.5	91.6
0°-180°	3810.1	100.0



REPORT NUMBER: P266055

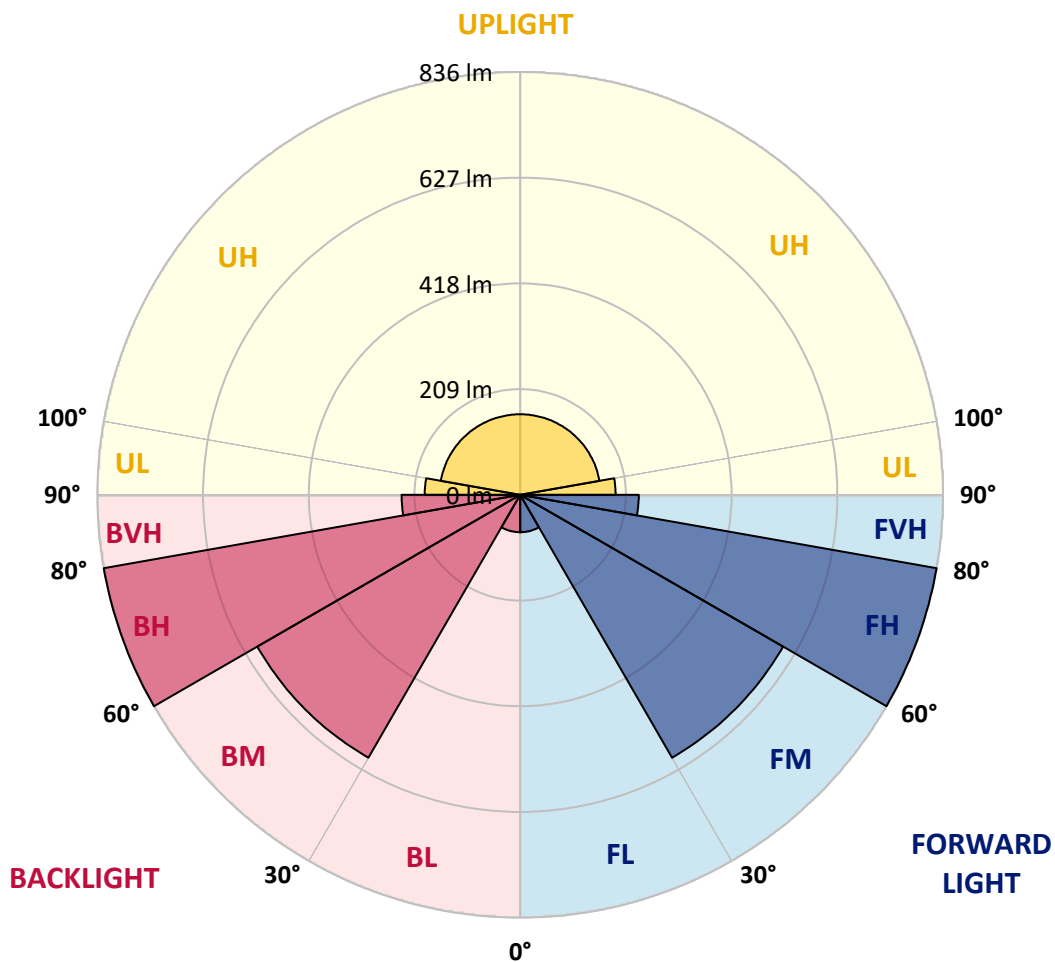
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.0	1.9			
FM (30°-60°)	600.6	15.8			
FH (60°-80°)	836.5	22.0			G1/1800
FVH (80°-90°)	234.6	6.2			G3/500
BL (0°-30°)	74.0	1.9	B0/110		
BM (30°-60°)	600.6	15.8	B1/1000		
BH (60°-80°)	836.5	22.0	B2/1000		G1/1800
BVH (80°-90°)	234.6	6.2			G3/500
UL (90°-100°)	188.8	5.0		U3/500	
UH (100°-180°)	159.3	4.2		U3/500	

BUG Rating: B2-U3-G3

Type V Short





REPORT NUMBER: P266055

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2.5°	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	89.8	89.8	89.8
5°	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.2	93.2	93.2	93.2
7.5°	99.4	99.4	99.4	99.4	99.4	99.0	99.0	99.0	98.5	98.5	98.1
10°	109.0	109.0	109.0	108.4	108.1	107.6	107.6	107.2	106.8	106.8	106.3
12.5°	121.6	121.6	121.6	119.4	118.9	118.0	118.0	118.0	118.5	118.5	118.9
15°	136.8	136.8	136.8	134.1	132.5	130.3	131.2	131.6	132.5	132.5	132.9
17.5°	154.2	154.2	153.4	150.7	148.1	146.9	146.0	147.3	148.1	148.9	148.9
20°	173.5	173.5	172.1	168.6	166.0	165.2	164.3	164.3	166.5	167.4	166.5
22.5°	195.2	194.4	193.4	189.2	186.5	184.3	184.3	184.0	186.5	188.3	187.7
25°	220.1	219.1	216.6	211.8	208.8	206.2	205.7	205.7	210.1	212.7	212.2
27.5°	247.0	245.7	242.3	237.1	232.2	228.8	229.2	231.0	234.8	239.7	239.7
30°	276.7	275.8	270.2	264.9	257.1	252.8	253.6	258.4	263.7	268.9	269.3
32.5°	309.3	307.6	301.1	294.1	284.6	278.8	280.6	286.3	294.1	302.0	302.4
35°	345.6	343.8	336.0	326.4	314.1	306.9	309.3	318.1	328.5	337.8	338.1
37.5°	384.7	382.1	372.5	362.6	345.9	337.3	341.6	352.9	365.2	375.6	376.8
40°	424.9	424.9	414.4	400.9	380.8	370.5	375.2	390.5	406.2	415.6	417.9
42.5°	469.8	470.2	458.5	442.2	418.7	406.6	412.2	430.1	449.2	459.8	461.9
45°	516.7	518.1	509.3	486.7	459.8	444.9	451.4	474.0	495.4	506.4	508.1
47.5°	567.3	569.0	560.8	534.6	503.7	487.6	494.5	520.3	545.1	555.6	557.3
50°	620.9	622.3	612.3	586.6	551.6	532.1	540.8	569.5	595.2	605.6	608.3
52.5°	676.2	677.6	668.0	642.3	601.8	579.9	590.5	620.5	649.3	658.4	658.8
55°	732.1	733.7	725.6	697.7	654.1	629.3	641.0	672.8	703.7	712.4	715.1
57.5°	786.9	788.7	785.2	753.9	707.2	678.8	692.5	727.3	757.8	764.7	765.1
60°	838.4	841.4	838.7	807.8	757.4	726.4	740.7	777.4	807.8	813.5	814.5
62.5°	883.8	885.4	886.7	858.9	801.7	768.2	784.3	822.3	852.0	855.4	854.9
65°	914.7	918.1	922.5	895.4	837.8	801.7	818.4	855.4	882.9	885.4	883.8
67.5°	926.4	931.3	940.7	916.8	860.1	822.3	838.4	872.9	896.2	897.6	894.6
68°	926.4	930.7	942.1	918.5	862.4	824.5	840.2	874.1	896.8	896.8	894.2
70°	912.9	919.0	933.8	915.9	862.7	826.3	839.6	868.9	888.1	884.6	880.7
72.5°	870.2	877.1	897.1	886.3	842.7	810.0	819.7	841.1	849.6	842.7	838.7
75°	796.1	803.5	830.9	829.2	798.2	771.3	776.9	786.6	786.6	773.4	766.4
77.5°	702.8	709.8	736.8	747.7	732.8	712.9	712.9	710.6	699.8	678.0	671.9
80°	592.2	598.4	627.0	650.2	647.5	636.2	631.0	617.0	597.8	573.8	565.2
82.5°	481.5	488.0	515.9	539.4	554.8	550.3	541.1	519.4	491.1	464.6	459.3
85°	381.7	383.8	413.1	443.1	460.7	462.3	452.7	424.9	395.7	369.6	363.5
87.5°	297.6	300.7	324.6	355.1	376.5	378.2	368.7	340.3	312.0	288.4	283.2
90°	228.8	233.6	252.8	280.2	300.7	305.1	295.5	270.2	243.6	222.2	217.8
92.5°	176.4	179.5	196.5	220.1	238.8	244.5	235.7	213.4	190.4	171.7	169.9
95°	138.6	139.4	152.9	173.1	188.6	196.1	187.7	169.2	148.9	133.8	132.1
97.5°	107.2	109.0	119.8	136.8	151.3	155.9	149.8	134.1	117.7	103.2	102.0
100°	83.3	84.5	94.1	109.4	121.1	125.6	120.7	107.6	92.3	81.0	81.0
102.5°	66.3	66.7	74.5	87.1	96.7	100.7	97.1	86.2	73.2	64.0	64.5
105°	53.2	53.2	59.3	70.5	79.7	82.4	79.3	69.7	58.4	51.5	51.5
107.5°	42.7	43.2	47.9	57.5	65.8	68.5	65.8	57.1	47.0	41.9	41.9



REPORT NUMBER: P266055

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-5WQ-FL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	35.4	35.4	38.7	47.0	54.4	57.1	54.4	46.6	38.4	34.0	34.0
112.5°	29.1	29.1	31.8	38.7	45.4	47.9	45.4	38.4	31.4	28.3	28.3
115°	24.9	24.9	26.6	32.2	37.9	40.1	37.9	32.2	26.1	24.4	24.4
117.5°	21.4	21.4	22.6	26.9	31.8	34.0	31.8	26.6	22.2	20.9	20.9
120°	18.8	18.8	19.1	22.2	26.6	28.3	26.6	22.2	18.8	17.8	17.8
122.5°	16.1	16.1	16.1	18.8	22.2	23.5	21.7	18.8	16.1	15.7	15.7
125°	14.5	14.0	14.5	15.7	18.2	20.0	18.2	15.7	14.0	14.0	14.0
127.5°	12.7	12.7	12.1	13.0	15.2	16.1	15.2	13.0	12.1	12.1	12.1
130°	10.9	10.9	10.9	11.3	12.1	13.0	12.7	11.3	10.9	10.9	10.9
132.5°	9.6	9.6	9.2	9.6	10.1	10.5	10.1	9.2	9.2	9.6	9.6
135°	8.3	8.3	8.3	7.8	7.8	8.3	7.8	7.8	8.3	8.3	8.3
137.5°	7.4	7.4	6.9	6.6	6.1	6.1	6.1	6.6	6.9	6.9	7.4
140°	6.1	6.1	5.7	5.2	4.9	4.9	4.9	5.2	5.7	6.1	6.1
142.5°	5.2	5.2	4.9	4.0	3.6	3.1	3.6	4.0	4.3	4.9	4.9
145°	4.0	4.0	3.6	3.1	2.6	2.2	2.2	3.1	3.6	4.0	4.0
147.5°	3.1	3.1	2.6	2.2	1.7	1.3	1.3	2.2	2.6	3.1	3.1
150°	2.2	2.2	1.7	1.3	0.9	0.9	0.9	1.3	1.7	1.7	2.2
152.5°	1.3	1.3	0.9	0.9	0.4	0.4	0.4	0.9	0.9	1.3	1.3
155°	0.4	0.9	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.9	0.9
157.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)