

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: P695211

Luminaire Tested: **LXF.LXT-PA16-40-827-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3673 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

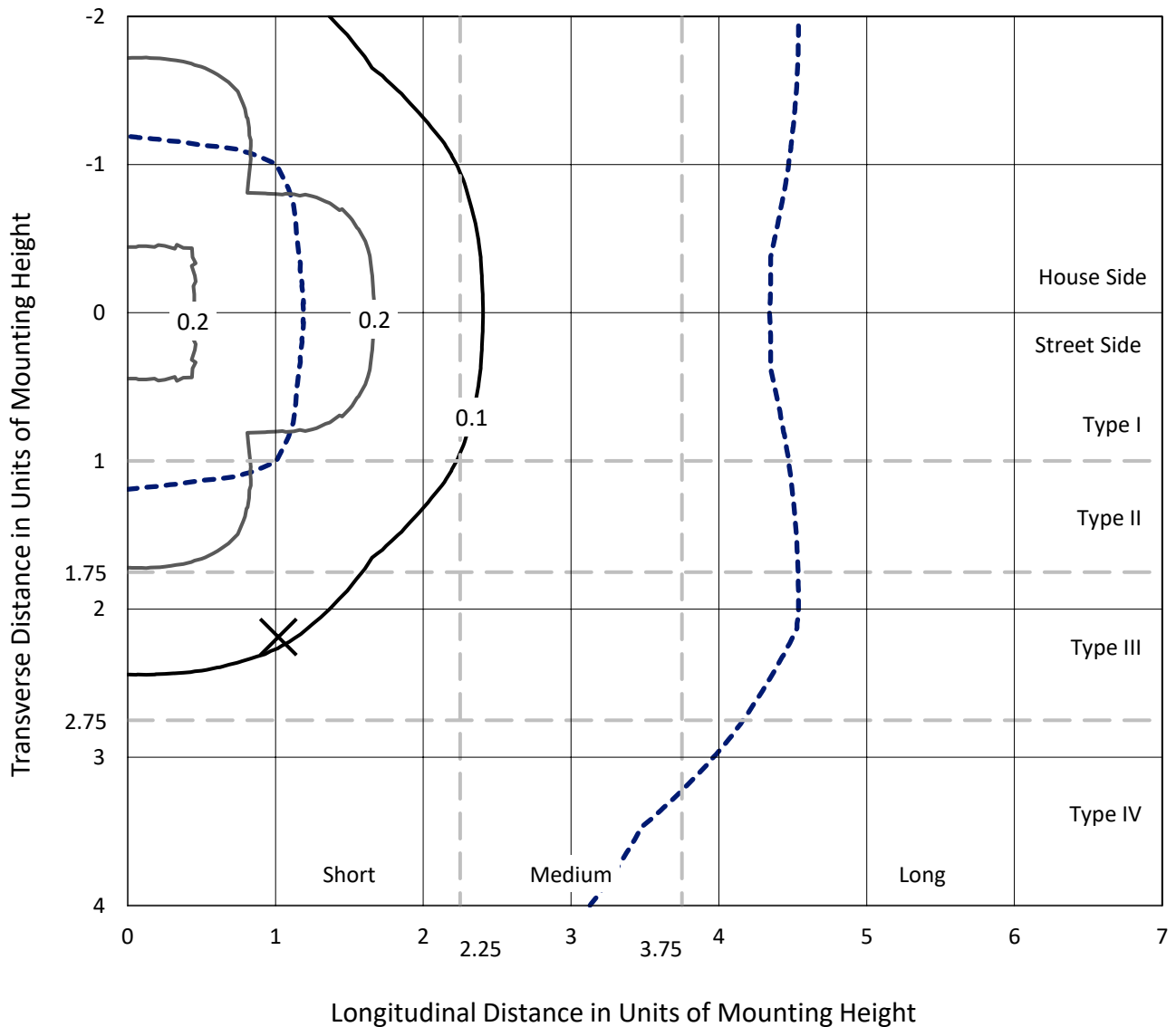
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695211
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

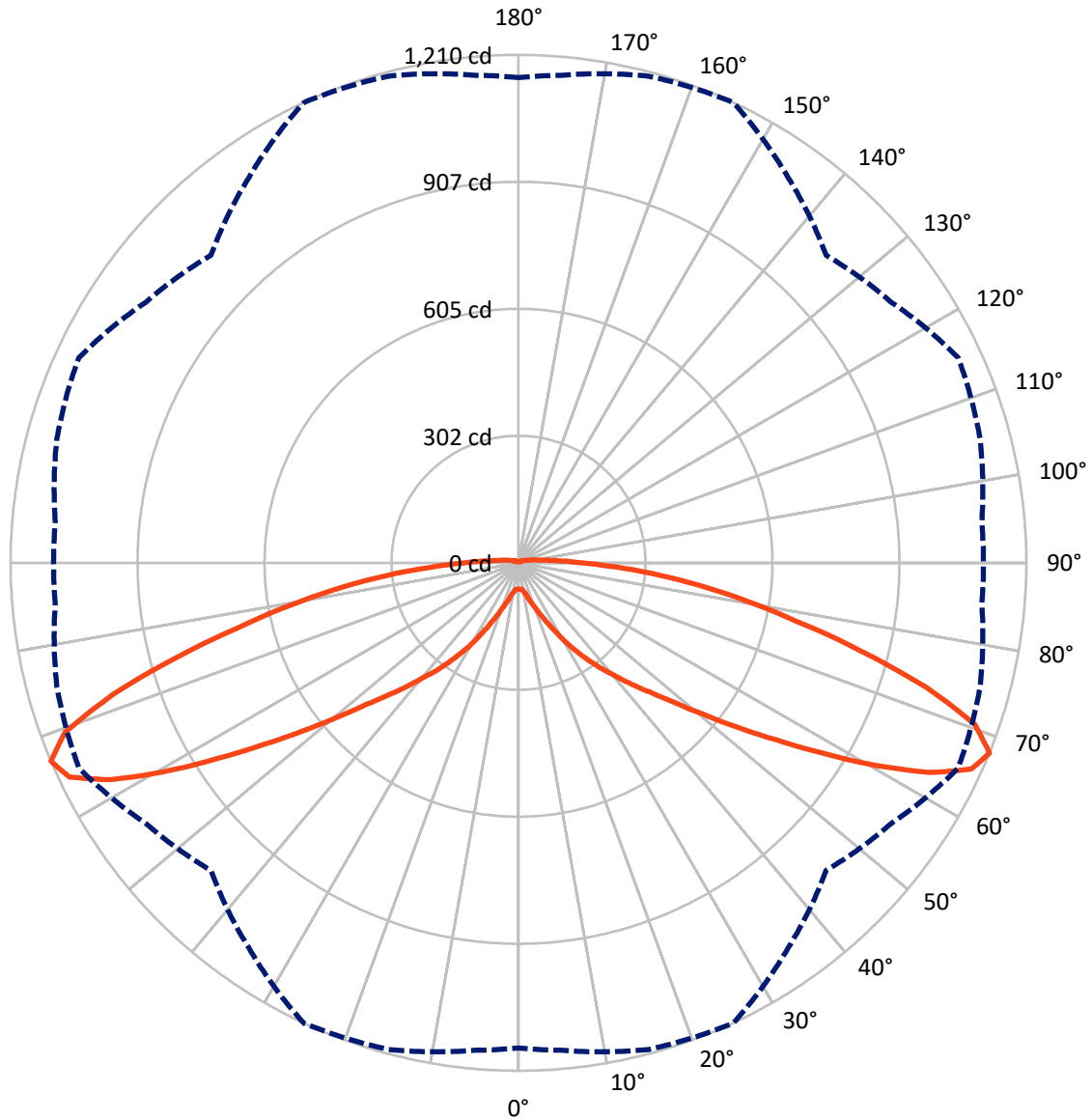
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - N/A

REPORT NUMBER: P695211
CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-A

Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695211
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-A

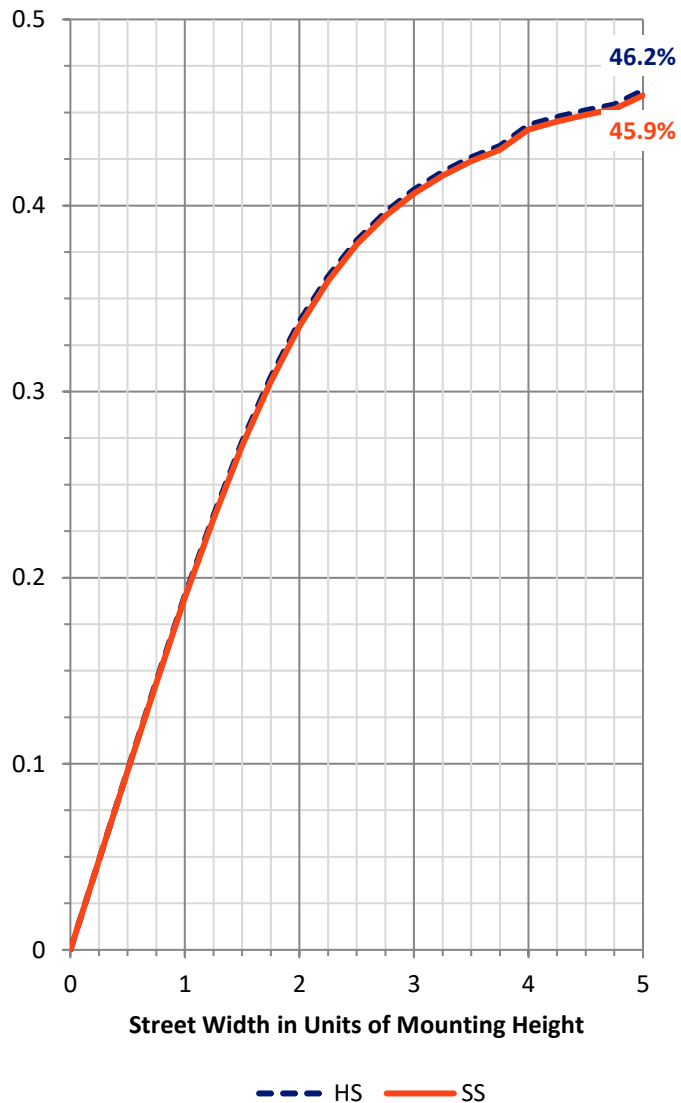
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1770.5	66.0	1836.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1770.5	66.0	1836.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	3541.0	132.0	3673.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	25.8	0.7
20°-30°	76.8	2.1
30°-40°	184.2	5.0
40°-50°	345.9	9.4
50°-60°	656.9	17.9
60°-70°	1066.4	29.0
70°-80°	837.3	22.8
80°-90°	341.5	9.3
90°-100°	83.2	2.3
100°-110°	26.2	0.7
110°-120°	11.1	0.3
120°-130°	6.1	0.2
130°-140°	3.6	0.1
140°-150°	1.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3541.0	96.4
0°-180°	3673.0	100.0

Coefficient of Utilization

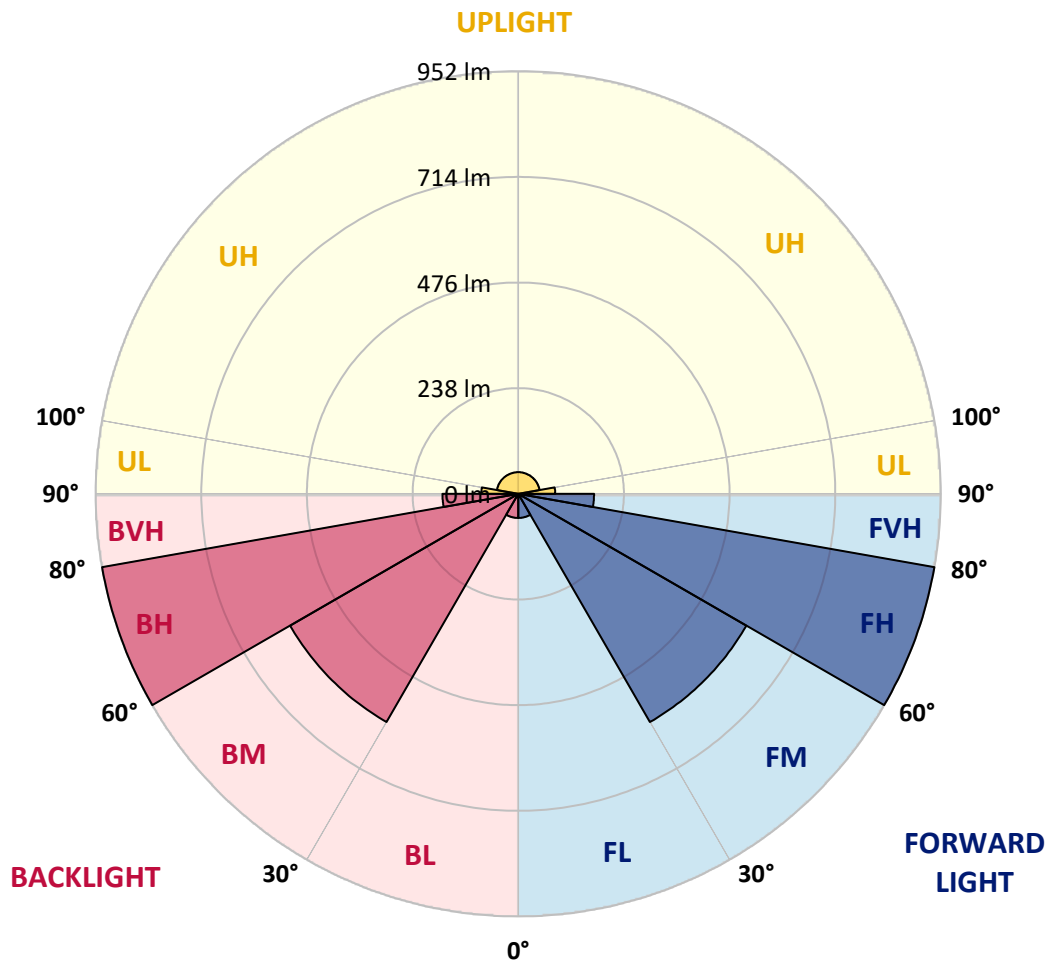


REPORT NUMBER: P695211
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.4	1.5			
FM (30°-60°)	593.5	16.2			
FH (60°-80°)	951.8	25.9			G1/1800
FVH (80°-90°)	170.7	4.6			G2/225
BL (0°-30°)	54.4	1.5	B0/110		
BM (30°-60°)	593.5	16.2	B1/1000		
BH (60°-80°)	951.8	25.9	B2/1000		G1/1800
BVH (80°-90°)	170.7	4.6			G2/225
UL (90°-100°)	83.2	2.3		U3/500	
UH (100°-180°)	48.7	1.3		U2/50	

BUG Rating: B2-U3-G2
 Type V Short



REPORT NUMBER: P695211
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2.5°	61.6	61.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
5°	62.8	62.8	62.8	62.8	64.1	64.1	64.1	62.8	62.8	62.8	62.8
7.5°	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
10°	70.2	70.2	69.0	70.2	69.0	69.0	69.0	67.8	69.0	69.0	69.0
12.5°	78.9	78.9	77.6	76.4	75.2	73.9	73.9	73.9	75.2	76.4	76.4
15°	91.2	91.2	89.9	87.5	83.8	82.5	83.8	85.0	86.2	88.7	88.7
17.5°	106.0	106.0	103.5	99.8	96.1	94.9	96.1	98.6	101.0	103.5	104.7
20°	124.4	123.2	120.7	114.6	110.9	109.7	110.9	113.3	118.3	122.0	122.0
22.5°	146.6	146.6	141.7	134.3	128.1	126.9	126.9	133.1	139.2	145.4	146.6
25°	173.7	175.0	167.6	156.5	149.1	145.4	147.8	156.5	167.6	175.0	177.4
27.5°	209.5	208.2	198.4	183.6	171.3	165.1	171.3	183.6	199.6	208.2	211.9
30°	246.4	246.4	234.1	215.6	197.1	189.7	198.4	214.4	234.1	247.6	250.1
32.5°	283.4	283.4	268.6	248.9	225.5	214.4	225.5	251.3	277.2	294.5	298.2
35°	322.8	325.3	306.8	282.1	253.8	242.7	256.3	288.3	321.6	340.0	341.3
37.5°	354.8	354.8	342.5	317.9	283.4	269.8	288.3	331.4	365.9	381.9	386.9
40°	396.7	398.0	383.2	352.4	316.6	300.6	324.0	368.4	395.5	402.9	405.3
42.5°	439.8	441.1	428.8	395.5	351.1	333.9	357.3	396.7	421.4	432.5	436.1
45°	480.5	484.2	471.9	439.8	393.0	368.4	389.3	433.7	465.7	478.0	481.7
47.5°	534.7	540.9	527.3	494.1	439.8	410.3	432.5	487.9	526.1	535.9	535.9
50°	598.8	604.9	600.0	564.3	499.0	462.0	492.8	554.4	593.9	607.4	606.2
52.5°	683.8	686.3	681.3	648.1	572.9	527.3	560.6	635.7	673.9	669.0	675.2
55°	772.5	778.7	782.4	744.2	664.1	607.4	653.0	726.9	755.3	757.7	756.5
57.5°	879.7	889.5	885.9	856.3	765.1	706.0	751.6	824.2	864.9	862.4	868.6
60°	994.3	999.2	1009.1	980.7	890.8	810.7	861.2	946.2	972.1	953.6	956.1
62.5°	1086.7	1094.1	1111.3	1100.2	1004.1	917.9	970.9	1039.9	1054.6	1036.2	1039.9
65°	1160.6	1166.8	1193.9	1185.2	1091.6	1002.9	1052.2	1122.4	1126.1	1099.0	1096.5
67.5°	1155.7	1165.5	1200.0	1209.9	1119.9	1036.2	1083.0	1155.7	1138.4	1107.6	1107.6
70°	1074.4	1075.6	1117.5	1153.2	1071.9	994.3	1048.5	1100.2	1084.2	1048.5	1043.6
72.5°	922.8	937.6	985.6	1016.4	963.5	901.9	935.1	985.6	932.7	883.4	879.7
75°	745.4	742.9	787.3	846.4	819.3	767.6	807.0	818.1	770.0	728.1	718.3
77.5°	595.1	600.0	638.2	683.8	678.9	645.6	656.7	666.5	623.4	579.1	576.6
80°	474.3	474.3	521.2	550.7	552.0	538.4	540.9	534.7	489.1	460.8	455.9
82.5°	354.8	357.3	389.3	427.5	452.2	448.5	439.8	421.4	384.4	353.6	352.4
85°	241.5	246.4	273.5	315.4	351.1	359.8	354.8	312.9	267.4	237.8	234.1
87.5°	158.9	162.6	178.6	211.9	258.7	282.1	262.4	216.8	178.6	162.6	157.7
90°	107.2	109.7	119.5	138.0	181.1	205.8	183.6	142.9	117.0	106.0	106.0
92.5°	72.7	73.9	81.3	93.6	122.0	142.9	123.2	94.9	78.9	71.5	70.2
95°	49.3	50.5	55.4	64.1	83.8	96.1	83.8	62.8	55.4	50.5	49.3
97.5°	38.2	39.4	41.9	46.8	59.1	66.5	57.9	46.8	41.9	39.4	38.2
100°	30.8	30.8	34.5	37.0	43.1	48.1	43.1	35.7	33.3	30.8	30.8
102.5°	24.6	25.9	27.1	29.6	34.5	38.2	34.5	28.3	25.9	24.6	24.6
105°	19.7	19.7	20.9	23.4	27.1	29.6	27.1	23.4	20.9	19.7	18.5
107.5°	16.0	14.8	17.2	19.7	22.2	24.6	22.2	18.5	16.0	14.8	14.8
110°	12.3	12.3	13.6	16.0	18.5	19.7	18.5	14.8	13.6	12.3	12.3

REPORT NUMBER: P695211
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.9	9.9	11.1	12.3	16.0	17.2	14.8	12.3	11.1	9.9	9.9
115°	8.6	8.6	8.6	11.1	13.6	14.8	13.6	9.9	8.6	8.6	8.6
117.5°	7.4	7.4	7.4	8.6	11.1	12.3	11.1	8.6	7.4	7.4	7.4
120°	7.4	7.4	7.4	7.4	9.9	11.1	9.9	7.4	7.4	7.4	7.4
122.5°	6.2	6.2	6.2	7.4	8.6	9.9	8.6	7.4	6.2	6.2	6.2
125°	6.2	6.2	6.2	6.2	7.4	8.6	7.4	6.2	6.2	6.2	6.2
127.5°	4.9	4.9	4.9	6.2	7.4	7.4	7.4	6.2	4.9	4.9	4.9
130°	4.9	4.9	4.9	4.9	6.2	6.2	6.2	4.9	4.9	4.9	4.9
132.5°	4.9	4.9	4.9	4.9	6.2	6.2	6.2	4.9	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
137.5°	3.7	3.7	3.7	3.7	3.7	4.9	3.7	3.7	3.7	3.7	3.7
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	2.5	2.5	3.7	3.7	2.5	2.5	2.5	3.7	3.7
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	1.2	1.2	1.2	1.2	1.2	2.5	1.2	1.2	1.2	1.2	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)