

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: P415022

Luminaire Tested: **LXF.LXT-PA1-40-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 4472 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - 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

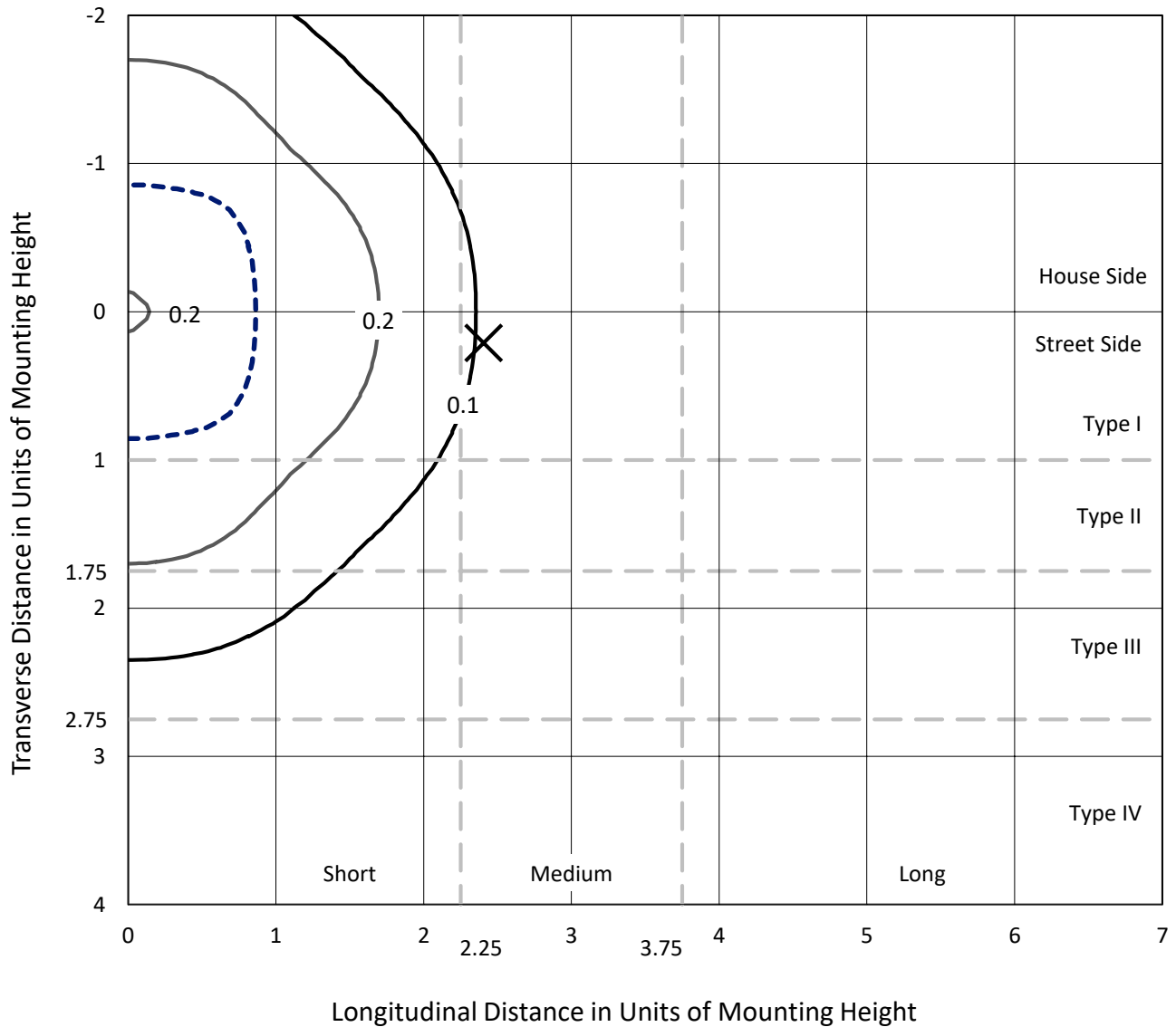


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Iso-Footcandle Lines of Horizontal Illumination

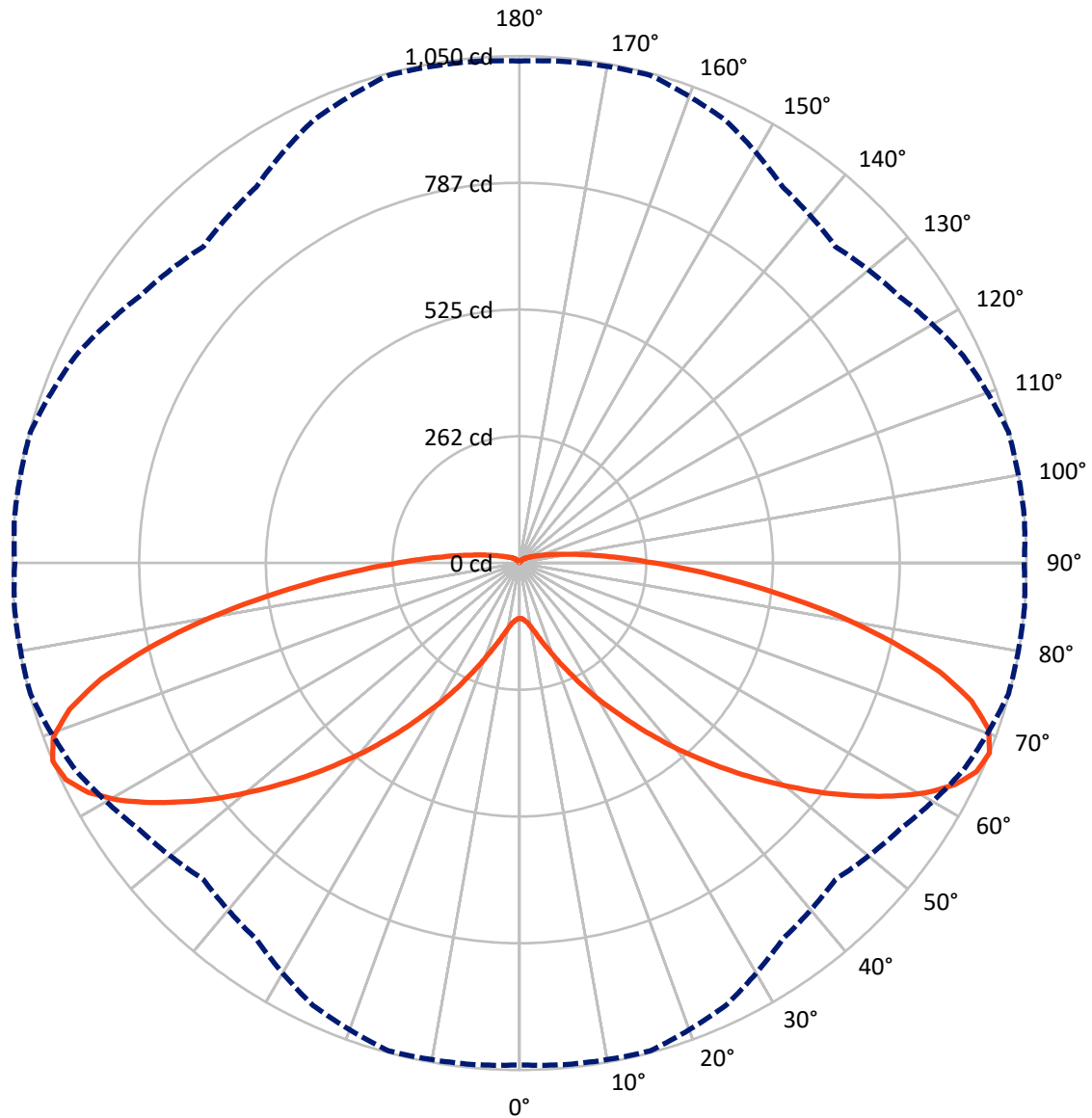
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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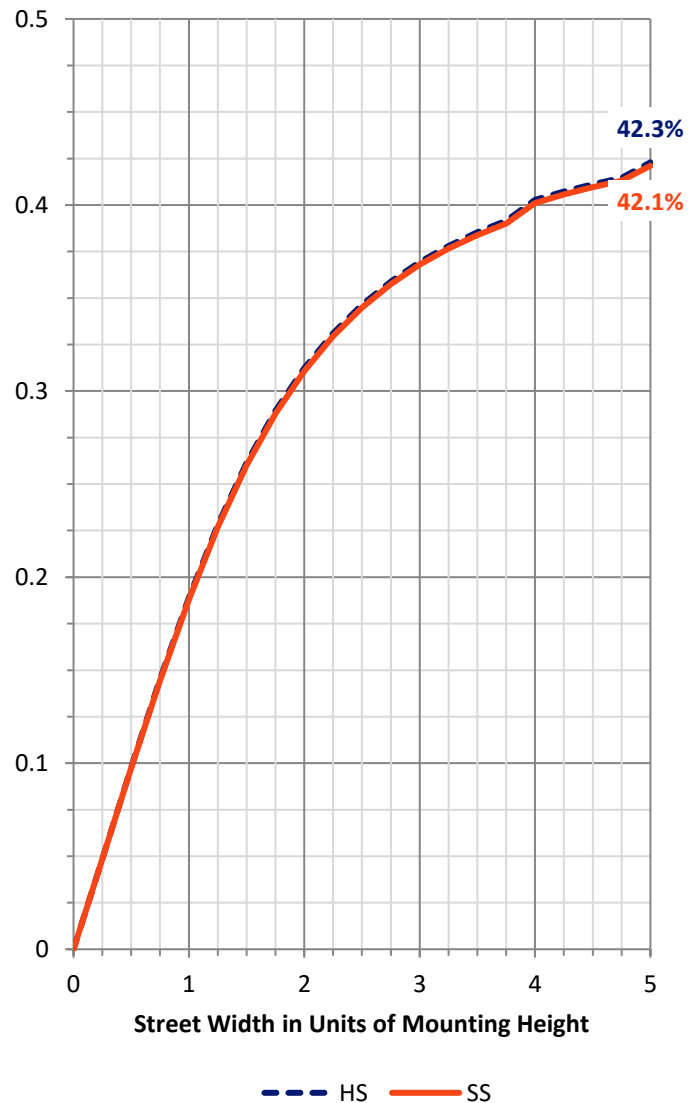
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.8	208.2	2236.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2027.8	208.2	2236.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	4055.7	416.3	4472.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.3
10°-20°	48.6	1.1
20°-30°	122.9	2.7
30°-40°	253.0	5.7
40°-50°	454.8	10.2
50°-60°	727.0	16.3
60°-70°	972.8	21.8
70°-80°	921.7	20.6
80°-90°	542.9	12.1
90°-100°	234.5	5.2
100°-110°	99.9	2.2
110°-120°	46.0	1.0
120°-130°	22.0	0.5
130°-140°	9.9	0.2
140°-150°	3.4	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4055.7	90.7
0°-180°	4472.0	100.0

Coefficient of Utilization



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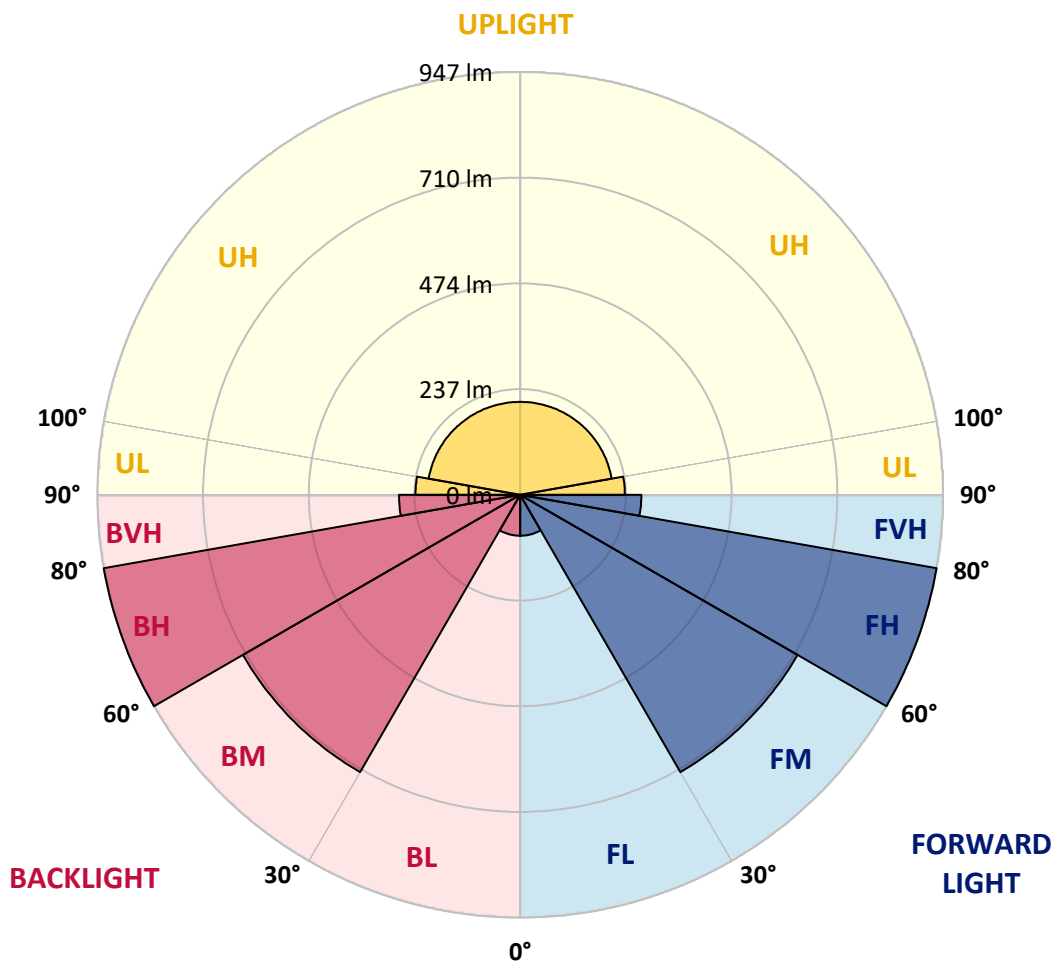
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.7	2.1			
FM	(30°-60°)	717.4	16.0			
FH	(60°-80°)	947.3	21.2			G1/1800
FVH	(80°-90°)	271.5	6.1			G3/500
BL	(0°-30°)	91.7	2.1	B0/110		
BM	(30°-60°)	717.4	16.0	B1/1000		
BH	(60°-80°)	947.3	21.2	B2/1000		G1/1800
BVH	(80°-90°)	271.5	6.1			G3/500
UL	(90°-100°)	234.5	5.2		U3/500	
UH	(100°-180°)	208.2	4.7		U3/500	

BUG Rating: B2-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	115.7	115.2	115.7	115.7	116.2	116.2	116.2	116.2	115.7	115.7	115.7
5°	119.7	119.7	119.7	119.7	120.2	120.2	120.2	119.7	119.7	119.7	119.7
7.5°	127.1	126.6	127.1	126.6	126.6	126.1	126.6	126.1	125.6	125.6	125.6
10°	136.6	136.6	136.6	136.1	136.1	136.1	135.1	135.1	135.1	135.1	135.1
12.5°	152.1	151.1	151.1	149.1	148.1	147.6	147.1	147.1	148.6	148.6	147.6
15°	170.0	169.5	169.5	167.0	165.0	162.0	162.5	164.5	164.5	165.5	165.0
17.5°	191.5	191.0	189.5	187.0	184.5	182.5	181.5	182.5	183.5	184.0	184.5
20°	214.9	214.4	212.4	209.9	207.4	206.4	202.9	204.4	205.4	206.4	205.9
22.5°	239.8	239.8	237.8	234.3	231.8	229.9	228.4	226.9	230.4	232.3	232.8
25°	270.2	269.2	265.8	261.8	258.8	257.3	255.3	255.3	257.8	261.8	262.8
27.5°	302.2	301.2	296.2	291.7	287.7	284.2	283.2	284.7	289.2	295.2	295.2
30°	337.6	335.6	331.1	324.1	317.6	314.1	315.1	317.6	324.1	331.1	330.6
32.5°	376.4	373.0	368.0	360.0	350.5	345.5	347.0	354.0	360.5	368.0	369.0
35°	417.8	417.3	409.4	398.9	386.9	378.9	381.9	391.4	401.4	411.8	413.3
37.5°	460.2	461.7	452.2	440.8	423.3	413.8	420.3	433.8	446.2	457.7	458.7
40°	512.1	510.6	501.1	484.1	463.2	452.7	458.2	477.2	493.1	507.6	508.6
42.5°	565.4	561.4	553.4	533.0	505.1	495.6	503.6	525.0	546.5	558.4	558.9
45°	615.8	617.3	608.3	583.9	552.9	538.5	550.0	575.4	600.3	613.3	614.8
47.5°	679.1	675.1	667.1	635.7	600.8	586.4	599.3	630.2	657.7	669.6	669.1
50°	740.9	738.4	727.0	694.1	654.7	637.2	650.2	688.1	718.0	728.5	731.0
52.5°	799.8	798.8	788.8	752.4	710.0	688.6	706.5	745.9	780.3	790.8	791.8
55°	860.1	857.1	849.6	811.7	763.4	739.4	761.9	805.7	841.1	851.1	851.6
57.5°	913.9	915.9	909.9	870.1	814.2	791.3	816.2	865.1	901.0	910.4	911.9
60°	967.8	968.3	963.8	924.9	865.6	839.6	868.6	919.4	957.8	966.3	966.8
62.5°	1010.2	1011.2	1007.7	965.3	906.0	881.0	912.9	965.8	1005.2	1011.2	1010.7
65°	1036.1	1039.1	1037.1	998.7	935.4	912.4	945.8	1001.2	1037.1	1040.6	1039.1
67.5°	1039.1	1042.6	1045.6	1010.7	950.3	925.9	961.3	1014.2	1048.1	1049.6	1045.1
70°	1017.1	1020.6	1027.6	998.7	942.9	922.4	956.3	1003.7	1032.1	1030.1	1025.1
72.5°	960.8	968.3	978.8	959.3	912.4	895.5	928.9	966.8	986.2	978.8	971.8
75°	880.0	887.5	907.5	896.5	860.6	851.1	876.0	904.5	909.9	899.0	889.5
77.5°	781.8	791.3	809.7	818.2	794.3	784.8	805.7	820.7	814.7	790.8	783.8
80°	667.1	682.1	701.5	715.0	709.0	706.0	716.5	715.0	693.1	674.1	662.1
82.5°	562.4	565.4	595.3	612.3	614.3	615.3	618.3	600.3	574.9	549.5	538.5
85°	459.7	460.7	485.6	510.1	519.5	522.5	517.1	493.1	466.7	438.3	430.8
87.5°	368.5	370.0	391.9	416.8	433.3	435.3	424.8	401.4	368.5	343.0	336.6
90°	291.2	296.2	318.1	338.6	356.0	359.0	344.0	319.1	288.7	264.3	260.3
92.5°	232.8	235.3	255.3	274.2	290.7	291.2	280.7	255.3	228.4	206.4	201.4
95°	187.0	189.0	204.9	222.4	235.8	238.8	226.9	204.4	179.5	160.5	159.6
97.5°	149.1	151.6	164.0	182.5	192.5	194.5	186.5	165.5	142.6	125.6	125.6
100°	119.7	121.2	132.1	147.6	158.1	160.1	152.1	133.6	113.7	98.7	97.7
102.5°	97.2	98.2	107.2	121.2	130.6	132.6	125.6	110.7	91.2	79.3	78.8
105°	79.8	80.3	87.3	100.2	109.2	110.7	104.2	91.2	73.8	63.8	63.3
107.5°	65.3	65.8	71.3	83.3	91.7	93.2	87.8	74.8	59.8	52.9	51.9
110°	54.8	55.3	59.3	68.8	77.3	79.3	73.8	62.3	49.4	43.4	43.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	46.4	46.9	49.9	57.8	65.3	67.8	62.3	51.9	41.4	36.9	36.4
115°	39.4	39.9	41.9	48.9	54.8	56.8	52.9	43.4	34.9	31.4	31.4
117.5°	34.4	34.9	35.9	41.4	46.9	48.4	44.4	36.4	29.4	27.4	27.4
120°	30.4	30.4	30.9	34.9	39.4	40.9	37.4	30.9	25.4	23.9	23.9
122.5°	26.4	26.4	26.9	29.9	33.4	34.4	31.4	25.9	21.9	21.4	20.9
125°	23.4	23.4	23.4	25.4	28.4	28.9	26.4	21.9	19.4	18.9	18.9
127.5°	20.4	20.4	20.4	21.4	23.4	23.9	21.9	18.4	17.0	16.5	16.5
130°	17.9	17.9	17.9	18.4	19.4	19.9	17.9	16.0	15.0	15.0	15.0
132.5°	16.0	16.0	15.5	15.5	16.0	16.0	15.0	13.5	13.0	13.0	13.0
135°	14.0	14.0	13.5	13.0	13.0	12.5	11.5	11.0	11.5	11.5	11.5
137.5°	12.0	12.0	11.5	11.0	10.5	10.0	9.5	9.0	9.5	10.0	10.0
140°	10.0	10.0	9.5	8.5	8.0	7.5	7.0	7.5	8.0	8.5	8.5
142.5°	8.0	8.0	8.0	7.0	6.0	5.5	5.5	6.0	6.5	7.0	7.0
145°	6.5	6.5	6.0	5.5	4.5	4.0	4.0	4.5	5.5	5.5	5.5
147.5°	5.0	5.0	4.5	4.0	3.0	2.5	3.0	3.5	4.0	4.5	4.5
150°	3.5	3.5	3.5	3.0	2.0	2.0	2.0	2.5	3.0	3.0	3.0
152.5°	2.0	2.0	2.0	2.0	1.5	1.0	1.5	2.0	2.0	2.0	2.0
155°	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
157.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.5	0.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5
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)