

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: McGRAW-EDISON

Report Number: P954129

Luminaire Tested: **GALN-SB7C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36630 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 350.5
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



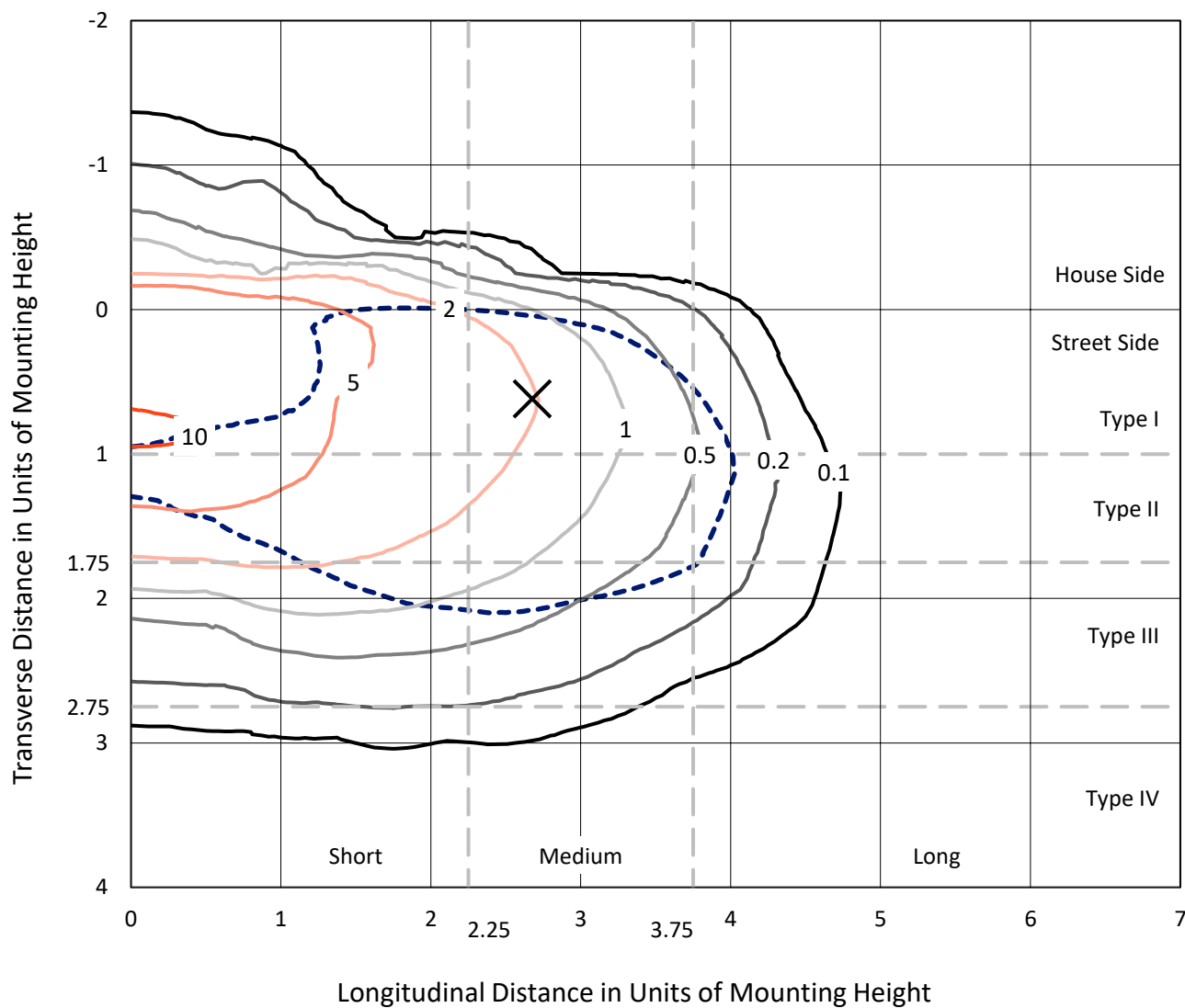
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

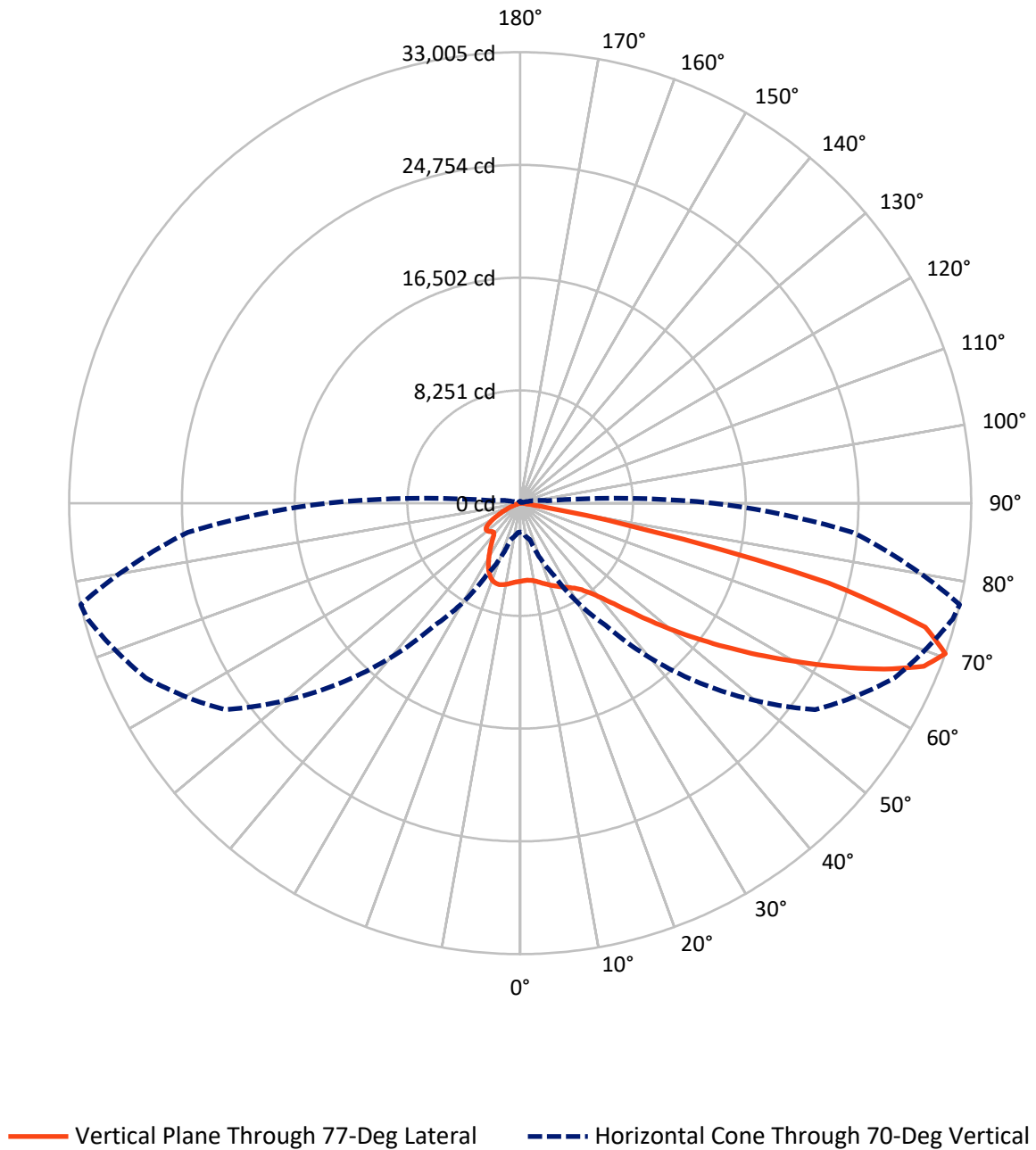
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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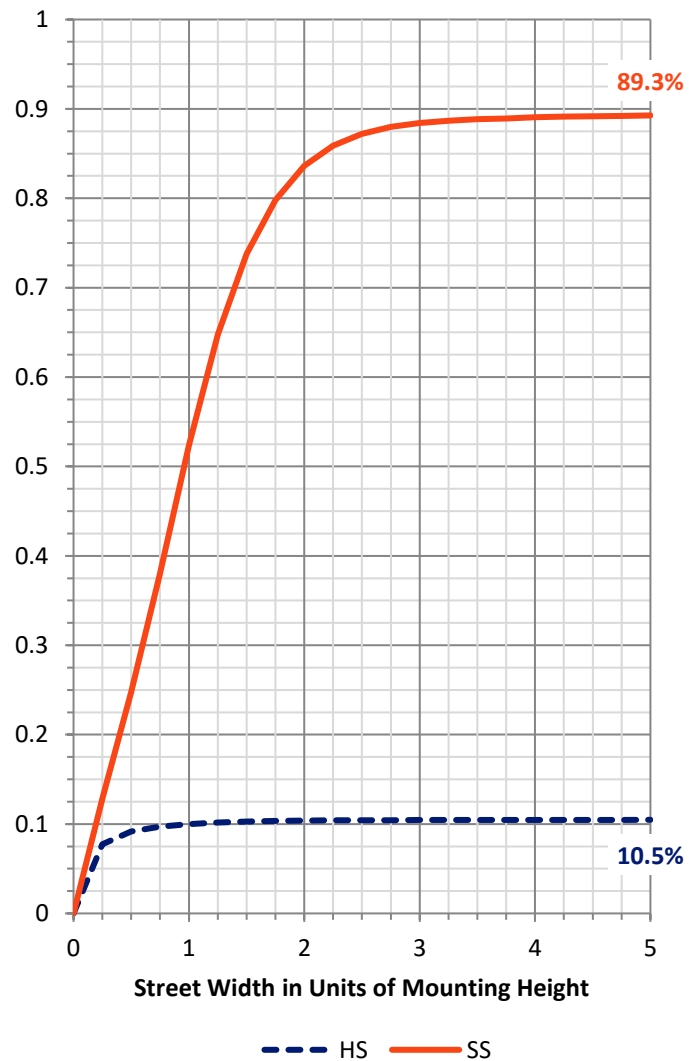
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3861.3	0.0	3861.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	32768.7	0.0	32768.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	36630.0	0.0	36630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.4	1.3
10°-20°	1169.0	3.2
20°-30°	1808.1	4.9
30°-40°	3280.8	9.0
40°-50°	6192.9	16.9
50°-60°	8948.2	24.4
60°-70°	9525.2	26.0
70°-80°	5047.7	13.8
80°-90°	165.7	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	36630.0	100.0
0°-180°	36630.0	100.0

Coefficient of Utilization



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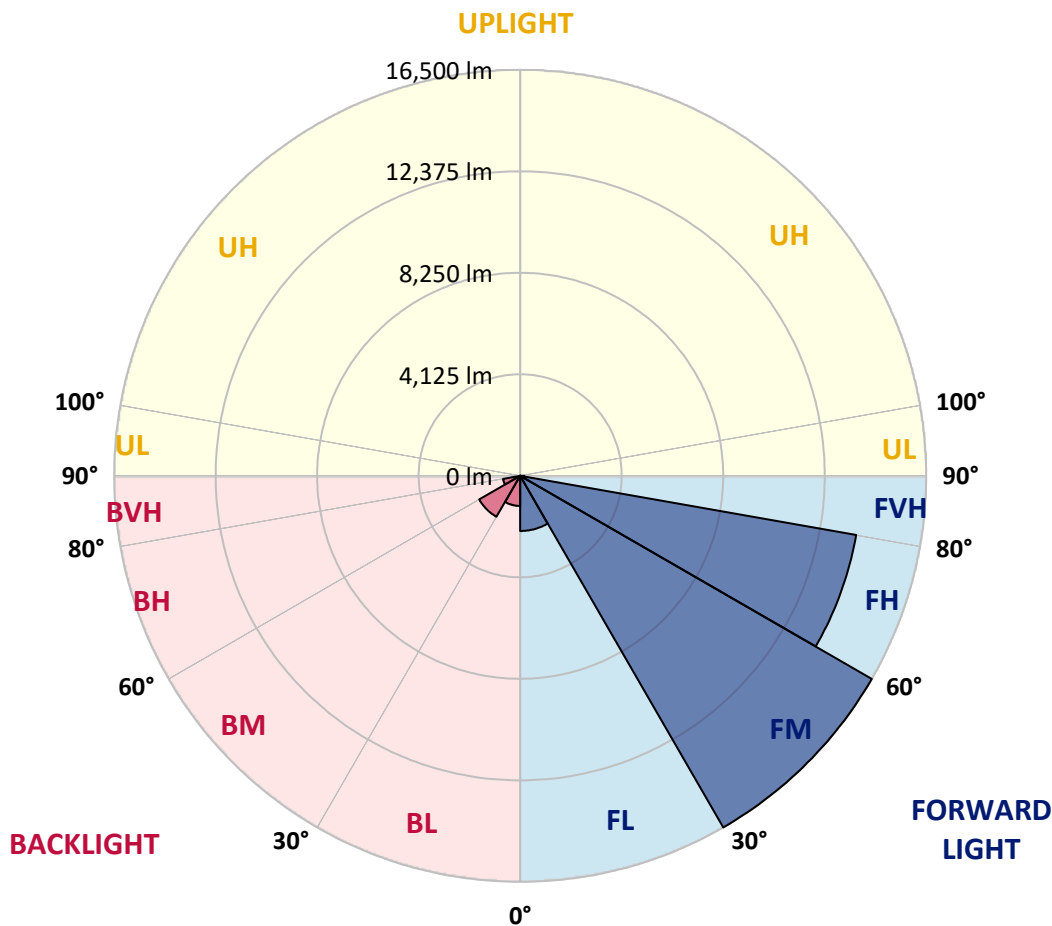
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2242.6	6.1			
FM	(30°-60°)	16499.8	45.0			
FH	(60°-80°)	13865.0	37.9			G5
FVH	(80°-90°)	161.3	0.4			G2/225
BL	(0°-30°)	1226.8	3.3	B3/2500		
BM	(30°-60°)	1922.2	5.2	B2/2500		
BH	(60°-80°)	707.9	1.9	B2/1000		G2/1000
BVH	(80°-90°)	4.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6
2.5°	5364.3	5412.9	5406.0	5438.3	5449.9	5496.2	5542.4	5604.9	5674.3	5672.0	5718.2
5°	5061.3	5109.9	5121.4	5165.4	5220.9	5292.6	5387.5	5512.4	5641.9	5662.7	5755.3
7.5°	4702.7	4753.6	4783.7	4871.6	4973.4	5121.4	5276.4	5459.2	5674.3	5704.4	5882.5
10°	4344.2	4390.5	4429.8	4554.7	4716.6	4936.4	5188.5	5452.2	5741.4	5785.3	6037.5
12.5°	4122.1	4166.1	4210.0	4318.8	4520.0	4788.3	5130.7	5484.6	5852.4	5914.9	6248.0
15°	4043.5	4082.8	4117.5	4214.7	4402.0	4707.4	5119.1	5551.7	5993.5	6076.8	6502.4
17.5°	4055.0	4075.9	4099.0	4173.0	4355.8	4670.4	5139.9	5667.4	6160.1	6234.1	6756.9
20°	4122.1	4133.7	4136.0	4186.9	4348.8	4665.7	5181.6	5778.4	6317.4	6416.8	7009.0
22.5°	4207.7	4212.3	4207.7	4242.4	4392.8	4700.4	5237.1	5912.6	6493.2	6585.7	7263.5
25°	4607.9	4520.0	4409.0	4341.9	4466.8	4767.5	5320.4	6093.0	6685.2	6775.4	7511.0
27.5°	5850.1	5598.0	5200.1	4753.6	4619.5	4864.7	5436.0	6275.7	6879.5	6960.4	7777.0
30°	7867.2	7536.4	6861.0	5854.7	5109.9	5068.2	5586.4	6458.5	7085.3	7173.3	8061.5
32.5°	9889.0	9808.0	9028.4	7635.9	6213.3	5521.6	5836.2	6706.0	7358.3	7427.7	8445.5
35°	11933.8	11769.6	11131.1	9754.8	7913.5	6444.6	6252.6	7029.8	7716.9	7795.5	9005.3
37.5°	13499.9	13400.4	13004.8	11871.4	9930.6	7869.5	6965.1	7531.8	8237.3	8325.2	9722.4
40°	14883.2	14836.9	14702.7	13955.6	12186.0	9734.0	8073.1	8309.0	8959.0	9063.1	10601.4
42.5°	15970.4	16079.1	16155.4	15947.2	14510.7	11862.1	9562.8	9400.9	9965.3	10071.7	11721.0
45°	17083.0	17120.0	17427.7	17728.4	16819.3	14087.4	11242.2	10680.1	11216.7	11348.6	13062.7
47.5°	17797.8	17945.9	18487.1	19016.9	18760.1	16294.2	13046.5	12190.6	12667.1	12914.6	14566.3
50°	17851.0	18130.9	18875.8	19798.7	20173.5	18394.6	15008.1	13911.6	14418.2	14691.2	16171.6
52.5°	16965.1	17399.9	18554.2	19905.1	20936.8	20173.5	17036.8	15632.6	16282.7	16638.9	17837.1
55°	13007.2	13576.2	17344.4	19326.8	20966.9	21522.1	19012.2	17425.4	18359.9	18762.4	19636.8
57.5°	11332.4	11619.2	13636.3	18322.9	20409.4	22065.7	20798.0	19132.5	20619.9	21119.6	21337.0
60°	9428.6	9805.7	11436.5	16680.5	19653.0	22118.9	22375.6	21334.7	23069.6	23631.7	22896.1
62.5°	6407.6	6817.0	8438.6	13858.4	18619.0	22093.4	23668.7	23601.6	25792.2	26396.0	24217.0
65°	3969.5	4226.2	5294.9	11316.2	17173.2	22121.2	25021.9	26354.4	28665.2	29278.2	25239.4
67.5°	3136.7	3254.7	3812.2	8688.4	14681.9	21496.6	26372.9	28942.8	31369.4	31855.2	25551.7
70°	2107.3	2179.0	2773.5	5824.7	10923.0	18614.4	26347.4	30242.9	32761.9	33004.8	24413.6
72.5°	1110.3	1165.9	1621.6	2697.2	6597.3	13231.5	22209.1	28688.4	31376.3	31010.8	20867.4
75°	555.2	647.7	1091.8	1369.4	2817.5	7379.1	13791.3	22618.5	24695.8	23280.1	13388.8
77.5°	421.0	508.9	902.2	902.2	980.8	2484.4	5840.8	12336.3	11378.7	9474.9	3930.1
80°	268.3	347.0	788.8	682.4	409.4	631.5	1522.1	3455.9	2417.3	1839.0	714.8
82.5°	157.3	226.7	657.0	451.1	229.0	233.6	430.3	735.6	626.9	488.1	219.8
85°	62.5	148.0	451.1	178.1	90.2	57.8	129.5	157.3	129.5	97.2	55.5
87.5°	0.0	34.7	78.6	0.0	6.9	4.6	9.3	11.6	11.6	9.3	18.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6	5713.6
2.5°	5739.1	5743.7	5757.6	5759.9	5727.5	5685.9	5669.7	5662.7	5635.0	5632.7	5637.3
5°	5808.5	5829.3	5808.5	5748.3	5604.9	5403.6	5251.0	5126.1	5012.7	4978.0	4957.2
7.5°	5947.3	5968.1	5905.6	5669.7	5308.8	4908.6	4547.8	4293.3	4064.3	3978.7	3944.0
10°	6146.2	6173.9	5977.3	5500.8	4862.4	4219.3	3608.6	3178.3	2842.9	2706.5	2648.6
12.5°	6396.0	6407.6	6016.6	5244.0	4281.7	3363.4	2498.3	2037.9	1739.5	1628.5	1593.8
15°	6671.3	6655.1	6021.3	4894.7	3490.6	2378.0	1630.8	1339.3	1219.1	1182.0	1182.0
17.5°	6960.4	6893.4	5928.7	4390.5	2623.2	1626.2	1209.8	1140.4	1119.6	1110.3	1108.0
20°	7245.0	7094.6	5759.9	3731.2	1882.9	1214.4	1098.8	1078.0	1066.4	1061.8	1057.1
22.5°	7504.0	7247.3	5470.7	2965.5	1367.1	1073.3	1038.6	1020.1	999.3	990.1	987.7
25°	7756.2	7335.2	5063.6	2250.7	1094.1	1003.9	976.2	941.5	913.7	902.2	897.5
27.5°	8001.4	7390.7	4554.7	1665.5	976.2	939.2	888.3	839.7	818.9	814.2	809.6
30°	8262.8	7409.2	3976.4	1242.2	904.5	858.2	784.2	728.7	717.1	719.4	719.4
32.5°	8582.0	7437.0	3393.5	1017.8	844.3	761.0	673.1	615.3	606.1	615.3	613.0
35°	8963.7	7492.5	2831.4	936.8	791.1	661.6	566.7	518.2	508.9	515.8	513.5
37.5°	9481.8	7582.7	2306.3	920.7	747.2	578.3	476.5	437.2	437.2	439.5	437.2
40°	10171.2	7823.3	1836.7	909.1	724.0	515.8	402.5	386.3	393.2	397.9	397.9
42.5°	11010.9	8334.5	1519.8	895.2	698.6	488.1	365.5	358.5	370.1	374.7	374.7
45°	11952.3	8982.2	1408.7	872.1	675.5	506.6	349.3	340.0	353.9	356.2	358.5
47.5°	12926.2	9616.0	1394.9	846.6	652.3	534.4	344.7	323.8	340.0	342.4	344.7
50°	13911.6	10030.1	1408.7	807.3	615.3	534.4	347.0	307.7	321.5	328.5	330.8
52.5°	14904.0	10219.7	1399.5	721.7	550.5	502.0	347.0	293.8	307.7	312.3	312.3
55°	15866.3	10182.7	1258.4	594.5	467.3	444.1	337.7	282.2	291.5	293.8	293.8
57.5°	16627.3	9666.9	997.0	462.6	379.4	370.1	307.7	268.3	275.3	273.0	273.0
60°	17025.2	8533.4	712.5	356.2	298.4	291.5	270.6	249.8	254.5	242.9	240.6
62.5°	17029.8	7034.5	476.5	282.2	238.3	231.3	231.3	224.4	219.8	196.6	189.7
65°	16666.6	5371.3	316.9	224.4	192.0	180.4	194.3	192.0	175.8	143.4	138.8
67.5°	15843.1	3520.7	240.6	175.8	148.0	141.1	155.0	161.9	150.4	120.3	118.0
70°	14149.9	2049.5	198.9	136.5	111.0	104.1	124.9	138.8	124.9	97.2	92.5
72.5°	11753.4	1105.7	161.9	101.8	76.3	69.4	99.5	113.3	99.5	71.7	69.4
75°	7626.6	592.2	124.9	67.1	39.3	44.0	74.0	83.3	69.4	46.3	41.6
77.5°	2560.7	261.4	78.6	32.4	18.5	18.5	44.0	50.9	32.4	16.2	13.9
80°	571.4	108.7	32.4	13.9	6.9	6.9	9.3	9.3	4.6	0.0	0.0
82.5°	187.4	44.0	13.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	71.7	16.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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)