

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: P952722

Luminaire Tested: **GALN-SB6C-727-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952722
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-SB6C-727-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 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: 35069 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 300.9
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

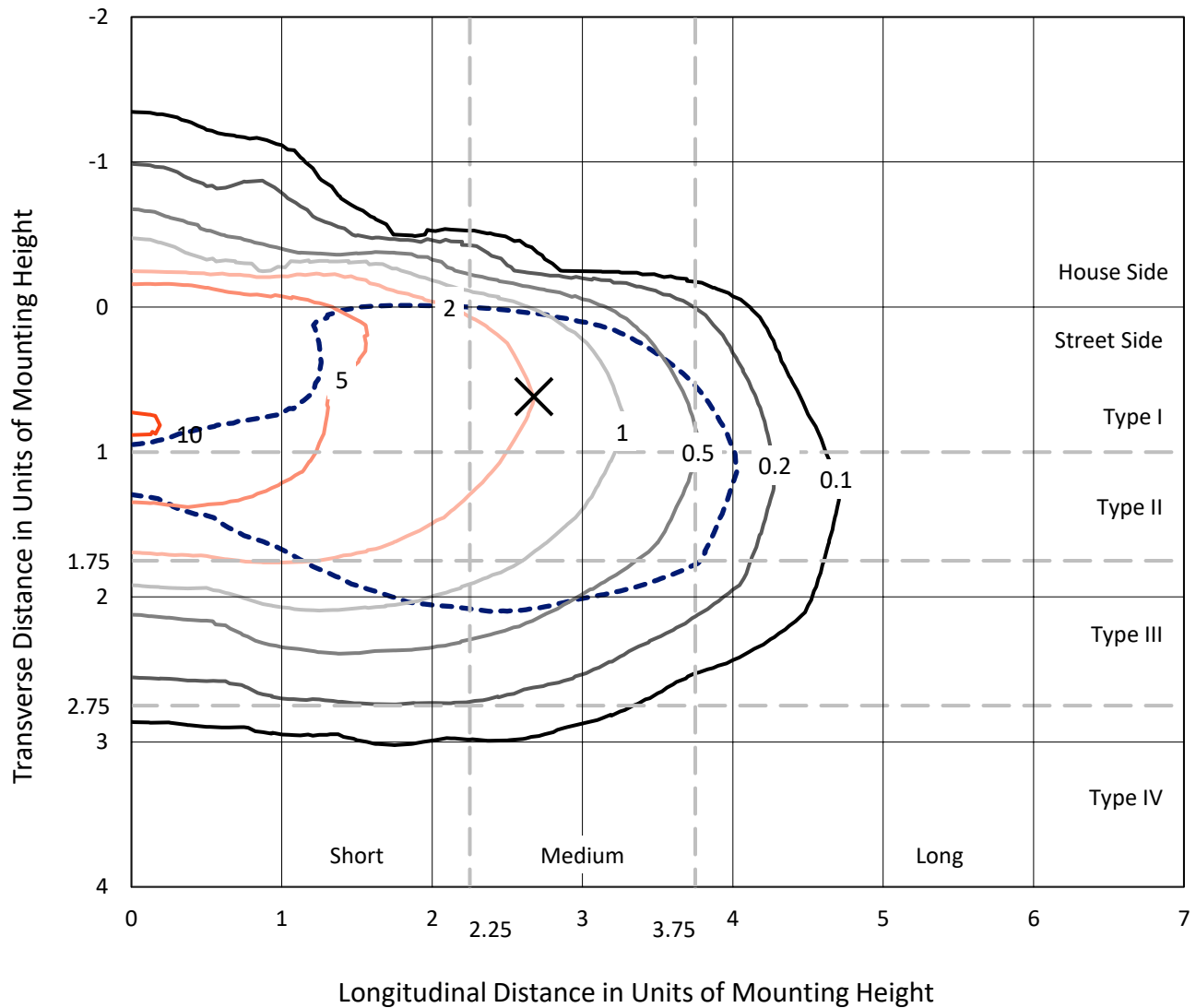


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

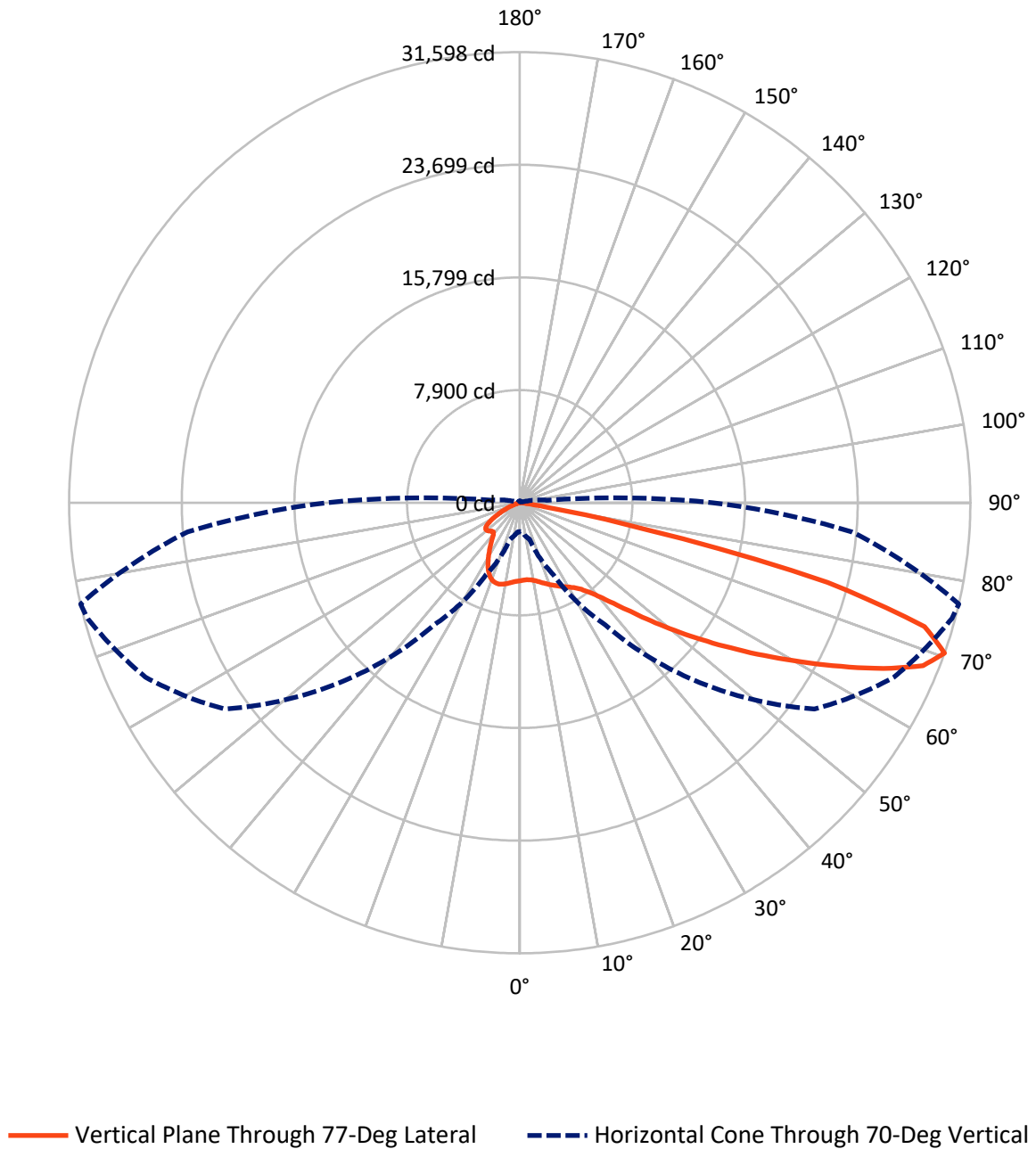


Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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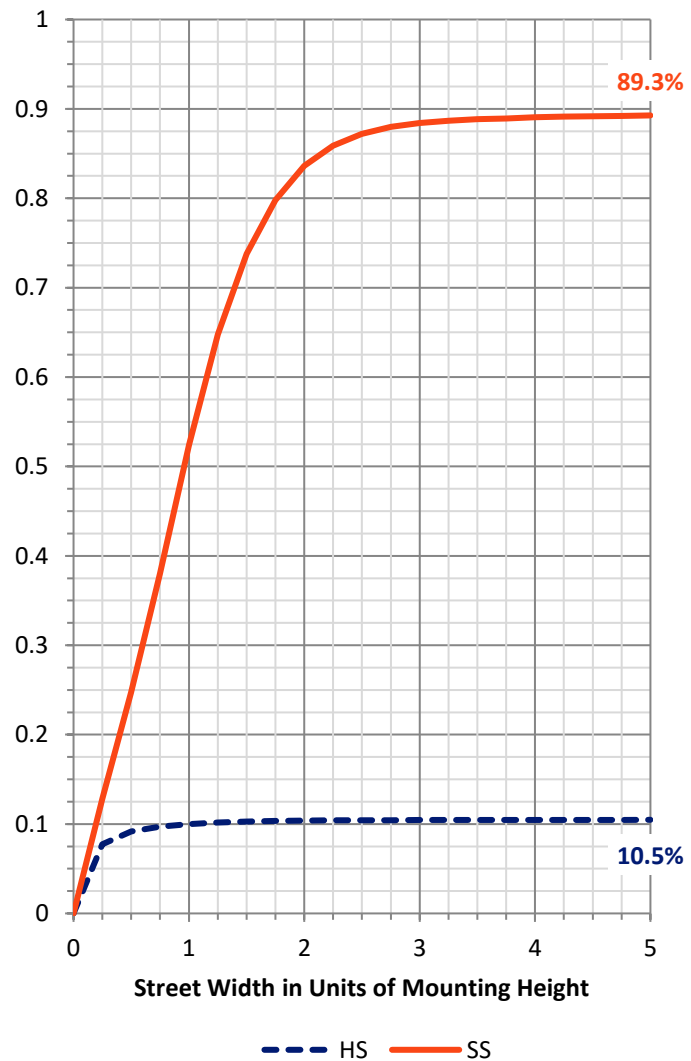
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3696.8	0.0	3696.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	31372.2	0.0	31372.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	35069.0	0.0	35069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.4	1.3
10°-20°	1119.1	3.2
20°-30°	1731.0	4.9
30°-40°	3141.0	9.0
40°-50°	5929.0	16.9
50°-60°	8566.9	24.4
60°-70°	9119.3	26.0
70°-80°	4832.6	13.8
80°-90°	158.7	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°	35069.0	100.0
0°-180°	35069.0	100.0

Coefficient of Utilization



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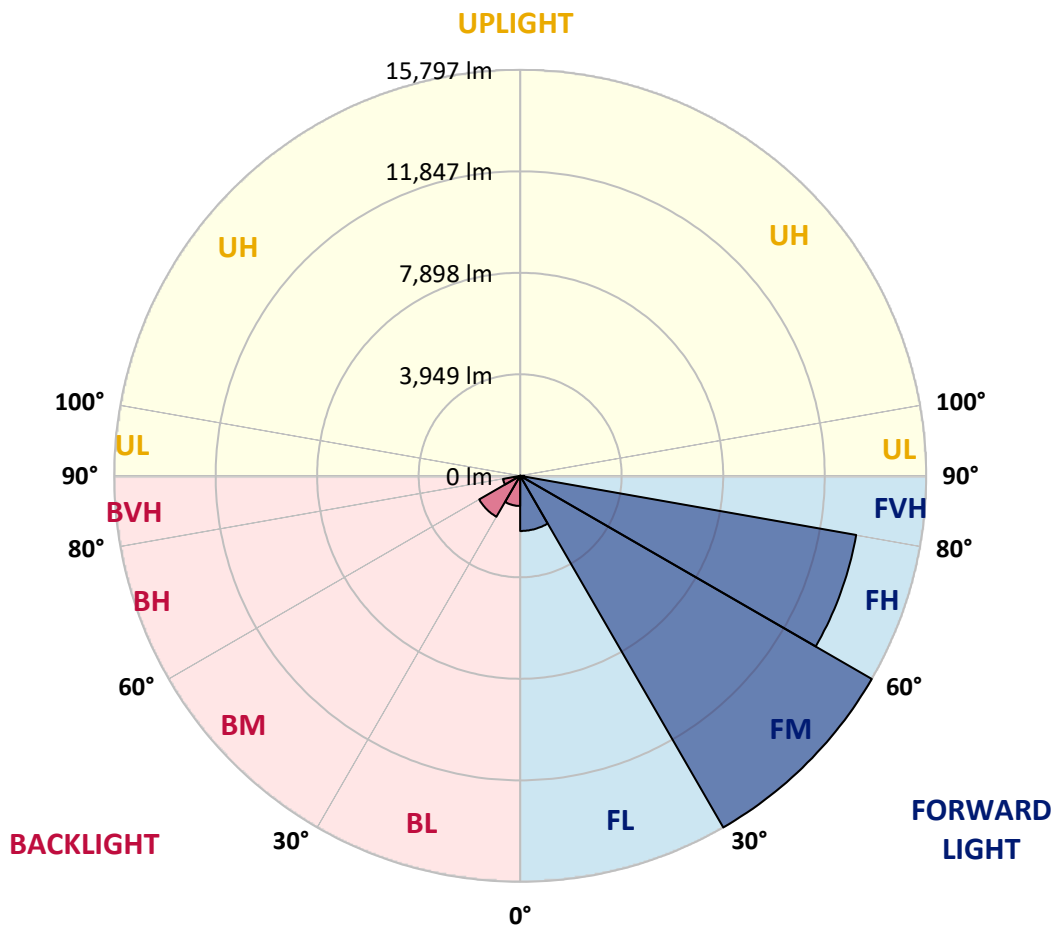
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2147.1	6.1			
FM	(30°-60°)	15796.7	45.0			
FH	(60°-80°)	13274.1	37.9			G5
FVH	(80°-90°)	154.4	0.4			G2/225
BL	(0°-30°)	1174.5	3.3	B3/2500		
BM	(30°-60°)	1840.3	5.2	B2/2500		
BH	(60°-80°)	677.7	1.9	B2/1000		G2/1000
BVH	(80°-90°)	4.3	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°	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1
2.5°	5135.7	5182.2	5175.6	5206.6	5217.7	5262.0	5306.2	5366.0	5432.5	5430.3	5474.6
5°	4845.6	4892.1	4903.2	4945.3	4998.4	5067.1	5157.9	5277.5	5401.5	5421.4	5510.0
7.5°	4502.3	4551.1	4579.9	4664.0	4761.4	4903.2	5051.6	5226.5	5432.5	5461.3	5631.8
10°	4159.1	4203.4	4241.0	4360.6	4515.6	4726.0	4967.4	5219.9	5496.7	5538.8	5780.2
12.5°	3946.5	3988.5	4030.6	4134.7	4327.4	4584.3	4912.0	5250.9	5603.0	5662.8	5981.7
15°	3871.2	3908.8	3942.0	4035.1	4214.4	4506.8	4901.0	5315.1	5738.1	5817.8	6225.3
17.5°	3882.2	3902.2	3924.3	3995.2	4170.1	4471.3	4920.9	5425.8	5897.6	5968.4	6468.9
20°	3946.5	3957.5	3959.8	4008.5	4163.5	4466.9	4960.8	5532.1	6048.1	6143.4	6710.3
22.5°	4028.4	4032.8	4028.4	4061.6	4205.6	4500.1	5013.9	5660.6	6216.5	6305.0	6953.9
25°	4411.5	4327.4	4221.1	4156.9	4276.4	4564.3	5093.6	5833.3	6400.3	6486.6	7190.9
27.5°	5600.8	5359.4	4978.5	4551.1	4422.6	4657.4	5204.4	6008.3	6586.3	6663.8	7445.6
30°	7531.9	7215.3	6568.6	5605.2	4892.1	4852.2	5348.3	6183.2	6783.4	6867.6	7718.0
32.5°	9467.5	9390.0	8643.7	7310.5	5948.5	5286.3	5587.5	6420.2	7044.7	7111.2	8085.6
35°	11425.3	11268.0	10656.8	9339.1	7576.2	6170.0	5986.1	6730.3	7388.0	7463.3	8621.5
37.5°	12924.6	12829.3	12450.6	11365.5	9507.4	7534.2	6668.2	7210.8	7886.3	7970.4	9308.1
40°	14248.9	14204.6	14076.2	13360.8	11666.7	9319.2	7729.1	7954.9	8577.3	8676.9	10149.6
42.5°	15289.8	15393.9	15467.0	15267.6	13892.4	11356.6	9155.3	9000.2	9540.6	9642.5	11221.5
45°	16355.0	16390.5	16685.0	16972.9	16102.6	13487.1	10763.1	10224.9	10738.7	10865.0	12506.0
47.5°	17039.3	17181.1	17699.3	18206.5	17960.6	15599.8	12490.5	11671.1	12127.3	12364.3	13945.5
50°	17090.3	17358.3	18071.4	18955.0	19313.8	17610.7	14368.5	13318.8	13803.8	14065.1	15482.5
52.5°	16242.1	16658.4	17763.5	19056.9	20044.6	19313.8	16310.7	14966.5	15588.8	15929.8	17077.0
55°	12452.9	12997.7	16605.3	18503.2	20073.4	20604.9	18202.0	16682.8	17577.5	17962.8	18800.0
57.5°	10849.5	11124.1	13055.2	17542.1	19539.7	21125.3	19911.7	18317.2	19741.2	20219.6	20427.7
60°	9026.8	9387.8	10949.1	15969.7	18815.5	21176.3	21422.1	20425.5	22086.5	22624.6	21920.4
62.5°	6134.5	6526.5	8079.0	13267.8	17825.5	21151.9	22660.1	22595.8	24693.1	25271.1	23184.9
65°	3800.3	4046.1	5069.3	10834.0	16441.4	21178.5	23955.6	25231.3	27443.7	28030.5	24163.8
67.5°	3003.0	3116.0	3649.7	8318.1	14056.2	20580.5	25249.0	27709.4	30032.6	30497.6	24462.8
70°	2017.5	2086.2	2655.3	5576.4	10457.5	17821.1	25224.6	28954.0	31365.8	31598.3	23373.2
72.5°	1063.0	1116.2	1552.5	2582.3	6316.1	12667.7	21262.6	27465.8	30039.2	29689.3	19978.2
75°	531.5	620.1	1045.3	1311.1	2697.4	7064.7	13203.6	21654.6	23643.4	22288.0	12818.3
77.5°	403.1	487.2	863.7	863.7	939.0	2378.5	5591.9	11810.6	10893.8	9071.1	3762.7
80°	256.9	332.2	755.2	653.3	392.0	604.6	1457.2	3308.7	2314.3	1760.6	684.3
82.5°	150.6	217.0	629.0	431.9	219.2	223.7	411.9	704.3	600.2	467.3	210.4
85°	59.8	141.7	431.9	170.5	86.4	55.4	124.0	150.6	124.0	93.0	53.2
87.5°	0.0	33.2	75.3	0.0	6.6	4.4	8.9	11.1	11.1	8.9	17.7
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°	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1	5470.1
2.5°	5494.5	5498.9	5512.2	5514.4	5483.4	5443.6	5428.1	5421.4	5394.8	5392.6	5397.0
5°	5560.9	5580.9	5560.9	5503.4	5366.0	5173.4	5027.2	4907.6	4799.1	4765.9	4745.9
7.5°	5693.8	5713.7	5653.9	5428.1	5082.6	4699.4	4354.0	4110.3	3891.1	3809.2	3775.9
10°	5884.3	5910.8	5722.6	5266.4	4655.1	4039.5	3454.8	3042.9	2721.8	2591.1	2535.7
12.5°	6123.4	6134.5	5760.2	5020.6	4099.3	3220.1	2391.8	1951.1	1665.4	1559.1	1525.9
15°	6387.0	6371.5	5764.7	4686.2	3341.9	2276.6	1561.3	1282.3	1167.1	1131.7	1131.7
17.5°	6663.8	6599.6	5676.1	4203.4	2511.4	1556.9	1158.3	1091.8	1071.9	1063.0	1060.8
20°	6936.2	6792.3	5514.4	3572.2	1802.7	1162.7	1051.9	1032.0	1020.9	1016.5	1012.1
22.5°	7184.3	6938.4	5237.6	2839.2	1308.8	1027.6	994.4	976.7	956.7	947.9	945.6
25°	7425.6	7022.6	4847.8	2154.8	1047.5	961.1	934.6	901.4	874.8	863.7	859.3
27.5°	7660.4	7075.7	4360.6	1594.5	934.6	899.1	850.4	803.9	784.0	779.5	775.1
30°	7910.7	7093.5	3806.9	1189.3	865.9	821.6	750.8	697.6	686.5	688.7	688.7
32.5°	8216.3	7120.0	3248.9	974.4	808.3	728.6	644.5	589.1	580.2	589.1	586.9
35°	8581.7	7173.2	2710.7	896.9	757.4	633.4	542.6	496.1	487.2	493.9	491.6
37.5°	9077.8	7259.5	2208.0	881.4	715.3	553.7	456.2	418.6	418.6	420.8	418.6
40°	9737.7	7489.9	1758.4	870.3	693.2	493.9	385.3	369.8	376.5	380.9	380.9
42.5°	10541.6	7979.3	1455.0	857.1	668.8	467.3	349.9	343.3	354.3	358.8	358.8
45°	11443.0	8599.4	1348.7	834.9	646.7	485.0	334.4	325.6	338.8	341.1	343.3
47.5°	12375.3	9206.2	1335.4	810.6	624.5	511.6	330.0	310.0	325.6	327.8	330.0
50°	13318.8	9602.6	1348.7	772.9	589.1	511.6	332.2	294.5	307.8	314.5	316.7
52.5°	14268.8	9784.2	1339.8	691.0	527.1	480.6	332.2	281.3	294.5	299.0	299.0
55°	15190.1	9748.8	1204.8	569.2	447.4	425.2	323.3	270.2	279.0	281.3	281.3
57.5°	15918.7	9254.9	954.5	442.9	363.2	354.3	294.5	256.9	263.5	261.3	261.3
60°	16299.7	8169.8	682.1	341.1	285.7	279.0	259.1	239.2	243.6	232.5	230.3
62.5°	16304.1	6734.7	456.2	270.2	228.1	221.5	221.5	214.8	210.4	188.2	181.6
65°	15956.4	5142.4	303.4	214.8	183.8	172.7	186.0	183.8	168.3	137.3	132.9
67.5°	15168.0	3370.7	230.3	168.3	141.7	135.1	148.4	155.0	144.0	115.2	112.9
70°	13546.9	1962.2	190.5	130.7	106.3	99.7	119.6	132.9	119.6	93.0	88.6
72.5°	11252.5	1058.6	155.0	97.4	73.1	66.4	95.2	108.5	95.2	68.7	66.4
75°	7301.6	566.9	119.6	64.2	37.6	42.1	70.9	79.7	66.4	44.3	39.9
77.5°	2451.6	250.3	75.3	31.0	17.7	17.7	42.1	48.7	31.0	15.5	13.3
80°	547.0	104.1	31.0	13.3	6.6	6.6	8.9	8.9	4.4	0.0	0.0
82.5°	179.4	42.1	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	68.7	15.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.6	2.2	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)