

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: P944327

Luminaire Tested: **GALN-SB9B-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42398 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 329.5
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

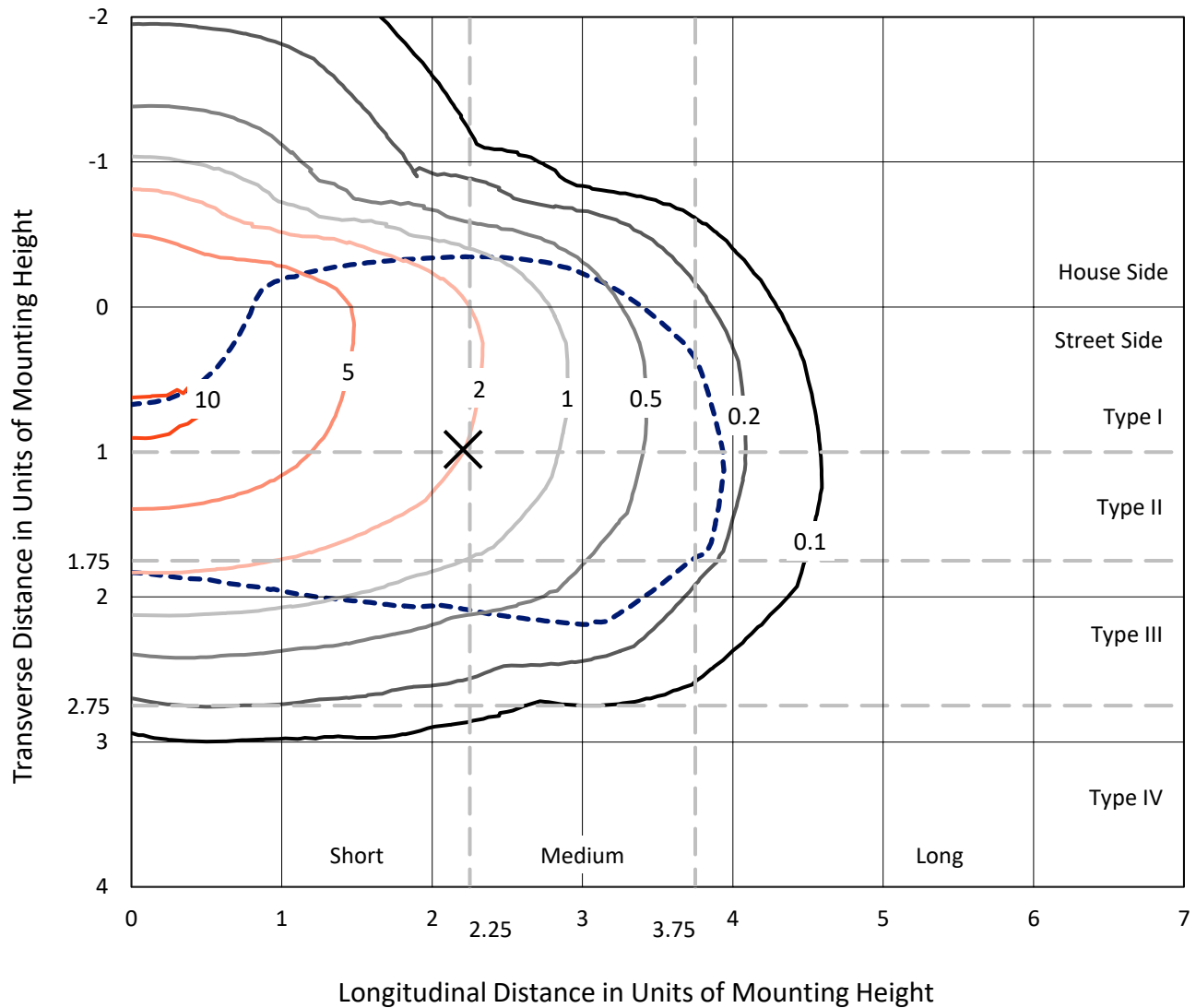


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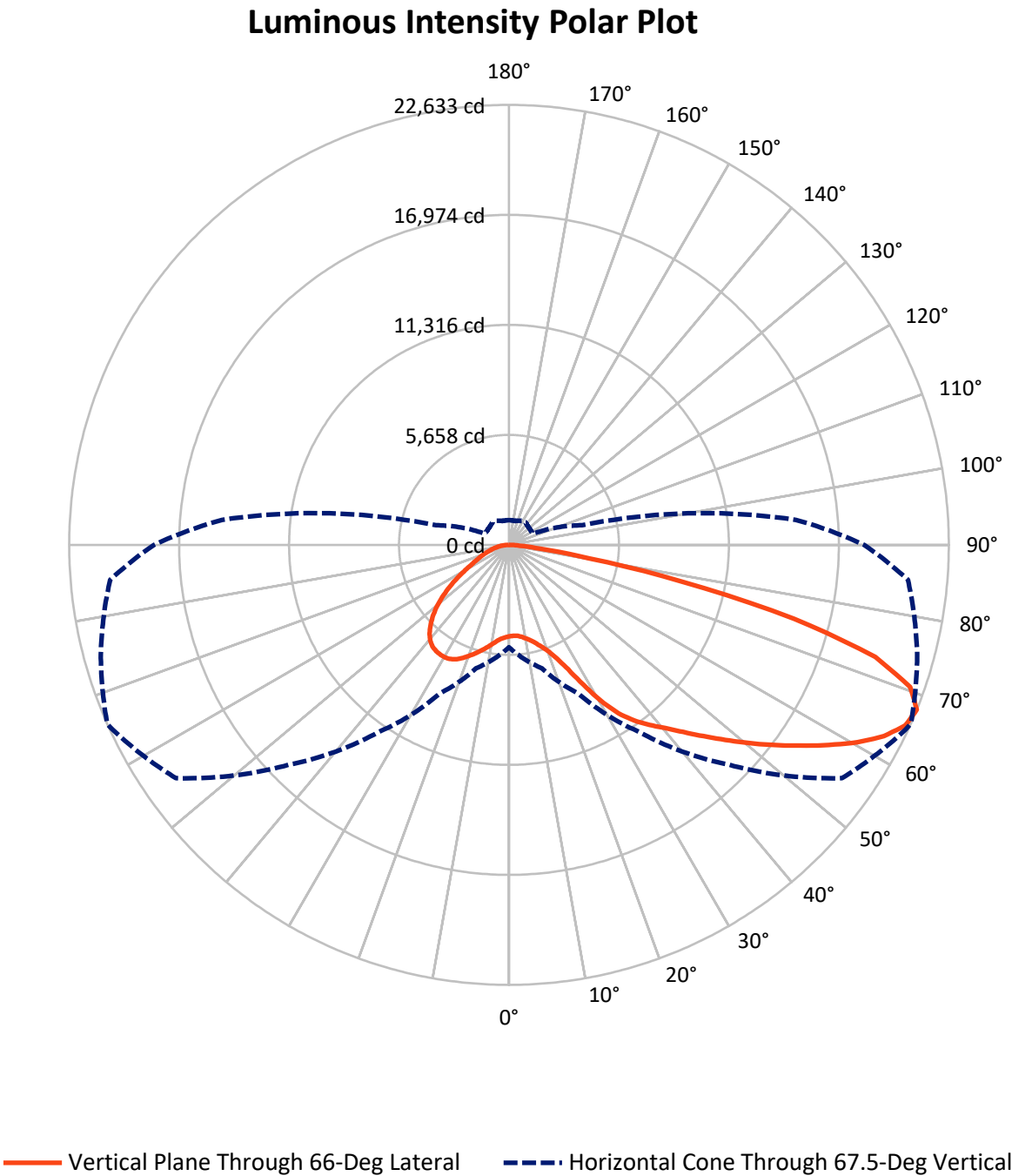
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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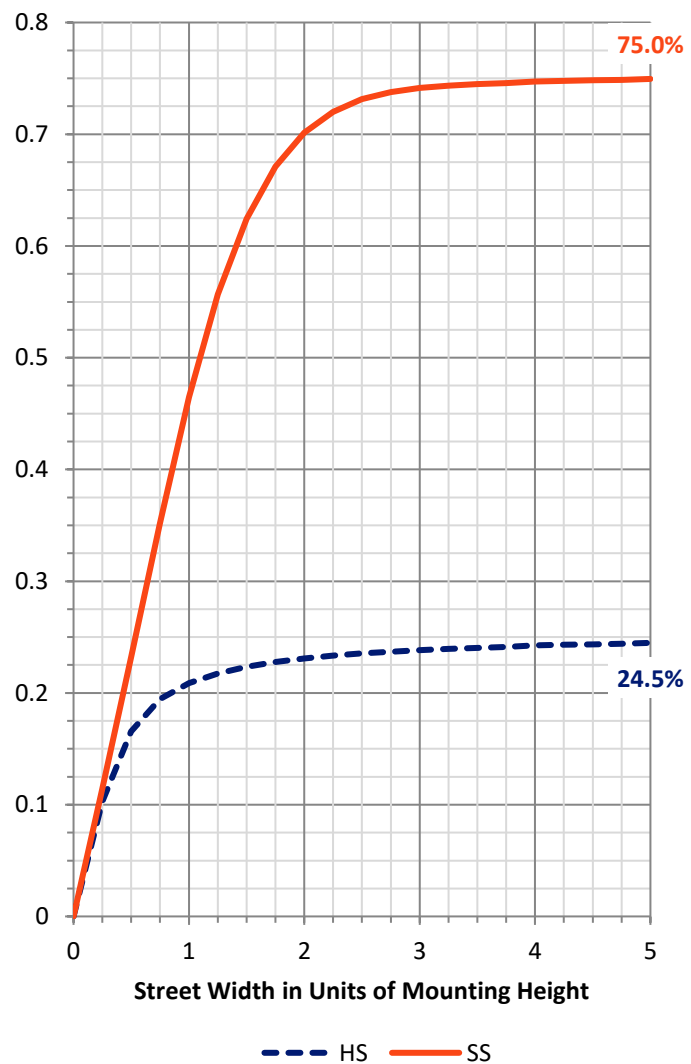
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10542.1	0.0	10542.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	31855.9	0.0	31855.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	42398.0	0.0	42398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.2	1.1
10°-20°	1540.4	3.6
20°-30°	2969.0	7.0
30°-40°	5205.7	12.3
40°-50°	7739.2	18.3
50°-60°	9810.2	23.1
60°-70°	9599.1	22.6
70°-80°	4578.8	10.8
80°-90°	489.4	1.2
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°	42398.0	100.0
0°-180°	42398.0	100.0

Coefficient of Utilization



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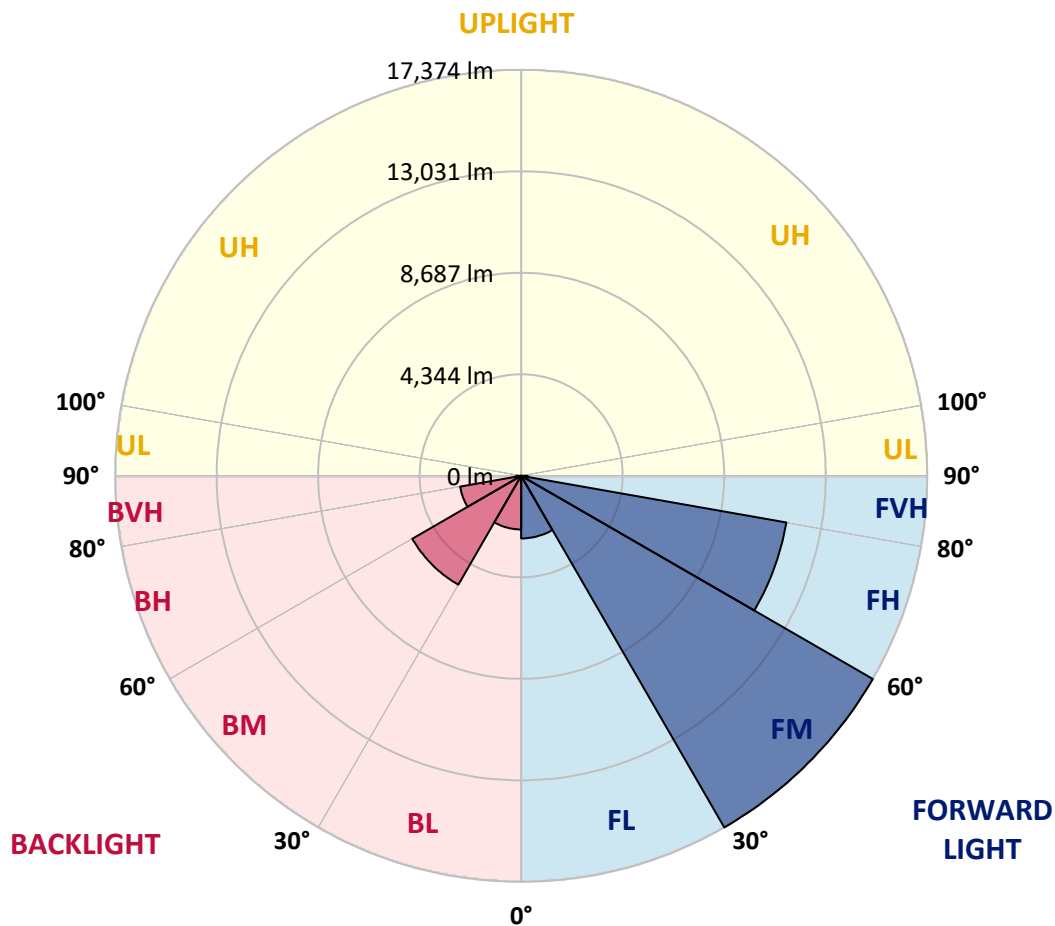
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2679.1	6.3			
FM	(30°-60°)	17374.3	41.0			
FH	(60°-80°)	11524.9	27.2			G4/12000
FVH	(80°-90°)	277.4	0.7			G3/500
BL	(0°-30°)	2296.5	5.4	B3/2500		
BM	(30°-60°)	5380.8	12.7	B4/8500		
BH	(60°-80°)	2653.0	6.3	B4/5000		G4/5000
BVH	(80°-90°)	211.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5
2.5°	4653.5	4680.2	4673.5	4662.4	4660.2	4664.6	4671.3	4678.0	4675.8	4686.9	4704.7
5°	4640.1	4666.9	4664.6	4664.6	4673.5	4691.4	4702.5	4713.6	4702.5	4715.9	4740.4
7.5°	4649.0	4669.1	4678.0	4686.9	4709.2	4742.6	4769.3	4793.8	4780.5	4796.1	4827.2
10°	4762.6	4778.2	4787.1	4787.1	4802.7	4840.6	4867.3	4911.9	4900.8	4925.3	4965.4
12.5°	4969.8	4985.4	4985.4	4976.5	4987.6	5012.1	5021.0	5070.1	5050.0	5090.1	5130.2
15°	5223.8	5254.9	5230.4	5214.9	5219.3	5243.8	5241.6	5279.5	5259.4	5292.8	5328.5
17.5°	5504.4	5544.5	5504.4	5502.2	5493.3	5520.0	5522.3	5555.7	5520.0	5544.5	5569.0
20°	5836.4	5892.0	5858.6	5869.8	5849.7	5860.9	5872.0	5921.0	5865.3	5883.1	5876.5
22.5°	6304.2	6371.0	6335.3	6377.7	6364.3	6355.4	6353.2	6440.0	6353.2	6359.8	6295.2
25°	6985.8	7066.0	7003.6	7061.5	7061.5	7090.5	7123.9	7235.3	7090.5	7048.2	6881.1
27.5°	7992.7	8072.9	7950.4	7986.0	7974.9	8046.2	8010.5	8286.7	8130.8	8061.7	7725.4
30°	9204.5	9347.1	9115.4	9106.5	9095.4	9209.0	9260.2	9442.9	9284.7	9215.6	8810.2
32.5°	10514.4	10663.6	10387.4	10307.2	10264.9	10333.9	10291.6	10438.6	10329.5	10222.5	9721.3
35°	11899.9	12047.0	11784.1	11628.2	11458.9	11314.1	11162.6	11200.5	11098.0	10935.4	10416.3
37.5°	13209.8	13479.3	13200.9	13033.8	12721.9	12439.0	12015.8	11839.8	11744.0	11594.7	11071.3
40°	14544.1	14697.8	14486.2	14343.6	14005.0	13561.7	12884.5	12512.5	12383.3	12238.5	11795.2
42.5°	15526.5	15673.5	15559.9	15461.9	15196.8	14682.2	13806.8	13341.2	13154.1	12991.5	12615.0
45°	16306.2	16415.3	16344.0	16379.7	16266.1	15767.1	14762.4	14230.0	14036.2	13838.0	13541.7
47.5°	16620.2	16736.1	16849.7	17061.3	17255.1	16887.6	15789.3	15192.3	14987.4	14784.7	14492.9
50°	16584.6	16702.7	17032.4	17482.3	18083.8	17961.3	16872.0	16217.0	16027.7	15796.0	15526.5
52.5°	16299.5	16433.1	16856.4	17604.9	18562.7	18765.4	17974.6	17275.2	17097.0	16820.7	16551.2
55°	15551.0	15631.2	16266.1	17326.4	18676.3	19326.8	19055.0	18402.3	18224.1	17838.8	17544.7
57.5°	14163.2	14279.0	15203.5	16575.7	18391.2	19707.7	20004.0	19587.4	19415.9	18861.2	18553.8
60°	12352.1	12537.0	13595.1	15314.9	17665.0	19705.5	20866.1	20752.5	20609.9	19868.1	19547.3
62.5°	10302.7	10516.6	11534.6	13532.8	16395.3	19146.4	21405.2	21728.2	21654.7	20797.0	20387.1
65°	7912.5	8059.5	9073.1	11227.2	14419.4	17945.7	21467.5	22394.2	22407.6	21503.2	20826.0
67.5°	5268.3	5691.6	6571.5	8424.8	11773.0	15983.1	20919.5	22503.4	22632.6	21746.0	20605.5
70°	2570.7	3127.6	3989.7	5475.5	8424.8	12973.6	19487.2	21607.9	21895.2	21037.6	19291.2
72.5°	1067.0	1247.5	1717.5	2702.1	4836.2	8754.5	16609.1	19179.8	19712.2	18640.7	16219.3
75°	719.5	779.7	982.4	1385.6	2203.1	4317.1	11977.9	14301.3	15158.9	14078.5	11507.9
77.5°	554.7	592.5	715.1	969.0	1309.8	1632.8	6411.1	8618.6	9061.9	8389.2	5987.8
80°	436.6	465.6	534.6	706.2	928.9	873.2	2185.3	3905.0	4161.2	3490.7	1924.7
82.5°	378.7	389.8	383.2	478.9	617.0	510.1	717.3	1441.3	1590.5	1153.9	628.2
85°	274.0	305.2	318.5	296.3	327.5	258.4	294.0	510.1	561.4	501.2	354.2
87.5°	111.4	164.8	202.7	191.6	120.3	73.5	91.3	149.3	171.5	187.1	115.8
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°	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5	4702.5
2.5°	4707.0	4722.5	4733.7	4747.1	4756.0	4769.3	4796.1	4811.7	4813.9	4825.0	4822.8
5°	4749.3	4771.6	4796.1	4831.7	4871.8	4905.2	4956.4	4992.1	5005.5	5016.6	5014.4
7.5°	4840.6	4871.8	4916.3	4978.7	5036.6	5081.2	5143.6	5185.9	5228.2	5243.8	5246.0
10°	4976.5	5021.0	5085.6	5170.3	5232.7	5290.6	5355.2	5390.8	5433.2	5451.0	5459.9
12.5°	5145.8	5192.6	5277.2	5395.3	5453.2	5493.3	5515.6	5506.7	5515.6	5531.2	5535.6
15°	5339.6	5390.8	5486.6	5613.6	5653.7	5618.0	5569.0	5524.5	5517.8	5522.3	5537.9
17.5°	5569.0	5606.9	5718.3	5825.2	5796.3	5649.2	5542.3	5471.0	5435.4	5424.2	5439.8
20°	5889.8	5889.8	5981.2	6048.0	5854.2	5604.7	5437.6	5321.8	5248.3	5217.1	5210.4
22.5°	6279.7	6244.0	6301.9	6255.1	5843.0	5479.9	5248.3	5047.8	4936.4	4891.8	4885.2
25°	6774.2	6731.9	6716.3	6426.7	5762.8	5281.7	4905.2	4662.4	4564.4	4539.9	4544.3
27.5°	7520.4	7413.5	7210.8	6520.2	5615.8	4969.8	4504.2	4279.3	4223.6	4225.8	4232.5
30°	8514.0	8300.1	7803.3	6535.8	5375.2	4528.7	4094.4	3934.0	3907.2	3918.4	3956.2
32.5°	9434.0	9231.2	8409.3	6464.5	5005.5	4096.6	3726.8	3619.9	3579.8	3593.1	3611.0
35°	10155.7	10100.0	8970.6	6364.3	4551.0	3691.2	3397.1	3305.8	3227.8	3210.0	3223.4
37.5°	10837.4	10815.1	9391.6	6224.0	4101.0	3403.8	3132.0	3011.7	2898.1	2835.8	2838.0
40°	11585.8	11563.6	9667.9	6007.9	3702.3	3154.3	2893.7	2735.5	2595.2	2481.6	2492.7
42.5°	12427.9	12296.4	9799.3	5698.2	3363.7	2942.7	2699.9	2486.0	2301.1	2196.4	2203.1
45°	13347.9	13051.6	9797.1	5304.0	3078.6	2748.9	2492.7	2189.7	2018.2	1920.2	1915.8
47.5°	14323.6	13773.4	9676.8	4867.3	2802.3	2535.0	2171.9	1940.3	1826.6	1766.5	1753.1
50°	15330.5	14448.3	9471.8	4366.1	2519.4	2292.2	1971.4	1813.3	1726.4	1670.7	1650.7
52.5°	16277.2	15060.9	9224.6	3798.1	2232.1	2056.1	1882.3	1759.8	1668.5	1606.1	1579.4
55°	17157.1	15588.9	8874.8	3216.7	1998.2	1897.9	1840.0	1737.5	1632.8	1559.3	1530.4
57.5°	17939.0	15931.9	8271.1	2670.9	1831.1	1788.8	1795.5	1699.7	1579.4	1517.0	1476.9
60°	18589.5	16183.6	7377.9	2165.2	1695.2	1681.9	1726.4	1628.4	1488.0	1416.8	1385.6
62.5°	18979.3	16179.2	6281.9	1773.2	1579.4	1583.8	1635.1	1539.3	1396.7	1329.9	1309.8
65°	18945.9	15782.7	5079.0	1517.0	1468.0	1472.5	1539.3	1441.3	1321.0	1280.9	1278.7
67.5°	18275.4	14815.9	3896.1	1349.9	1345.5	1365.5	1443.5	1374.4	1274.2	1269.7	1276.4
70°	16459.9	12808.8	2806.8	1216.3	1218.5	1247.5	1349.9	1332.1	1249.7	1258.6	1256.4
72.5°	13198.6	9765.9	1884.6	1075.9	1078.2	1124.9	1260.8	1298.7	1225.2	1343.3	1361.1
75°	8790.2	6090.3	1211.8	926.7	928.9	989.1	1182.9	1234.1	1158.4	1338.8	1349.9
77.5°	4223.6	2737.7	877.7	779.7	779.7	835.4	1022.5	1104.9	986.8	1040.3	953.4
80°	1459.1	1029.2	690.6	628.2	614.8	652.7	862.1	957.9	850.9	784.1	735.1
82.5°	574.7	534.6	554.7	487.8	443.3	467.8	670.5	790.8	626.0	565.8	563.6
85°	329.7	347.5	392.1	323.0	256.2	287.4	492.3	568.0	472.3	416.6	425.5
87.5°	89.1	122.5	180.4	167.1	115.8	122.5	233.9	314.1	271.8	209.4	216.1
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)