

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: P952701

Luminaire Tested: **GALN-SB6C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952701
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-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 31234 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

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

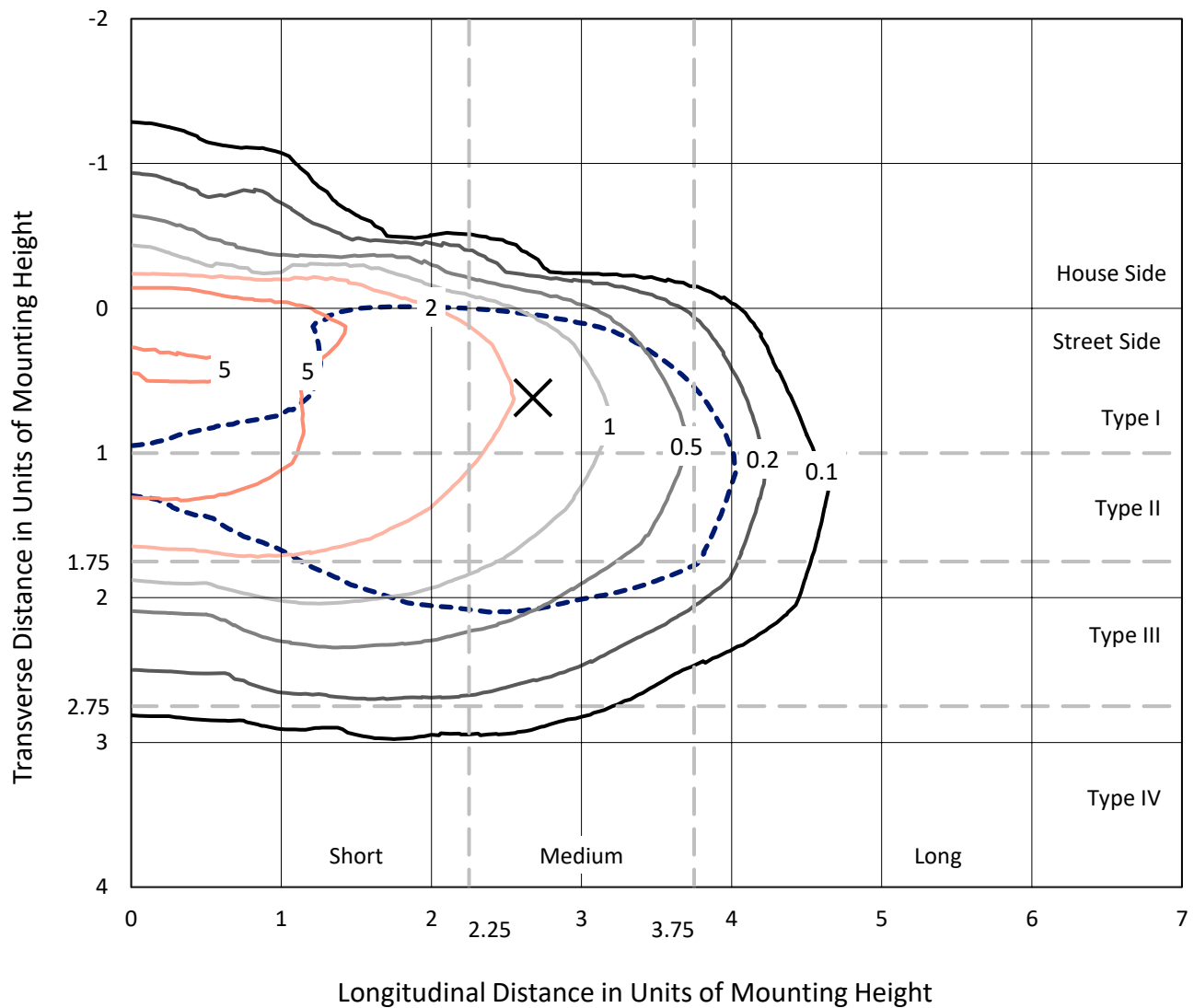


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Iso-Footcandle Lines of Horizontal Illumination

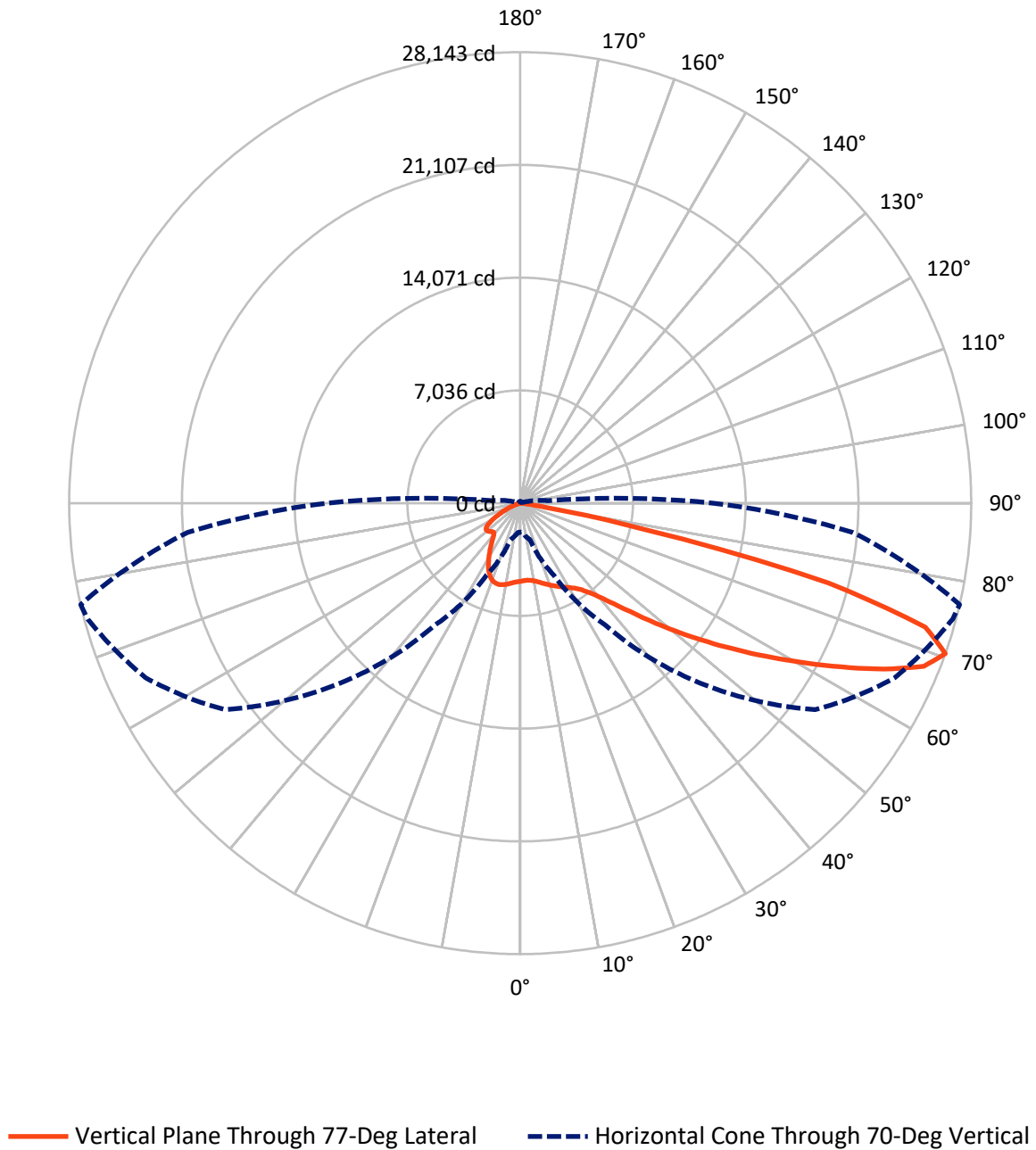
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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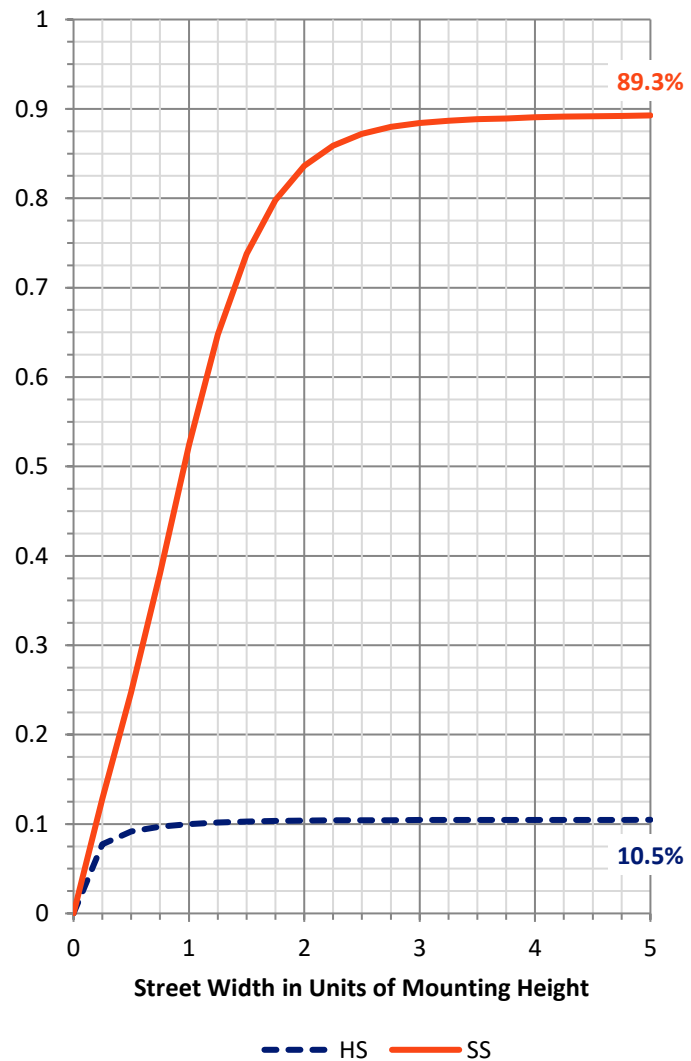
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3292.5	0.0	3292.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	27941.5	0.0	27941.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	31234.0	0.0	31234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.9	1.3
10°-20°	996.8	3.2
20°-30°	1541.7	4.9
30°-40°	2797.5	9.0
40°-50°	5280.6	16.9
50°-60°	7630.1	24.4
60°-70°	8122.0	26.0
70°-80°	4304.1	13.8
80°-90°	141.3	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°	31234.0	100.0
0°-180°	31234.0	100.0

Coefficient of Utilization



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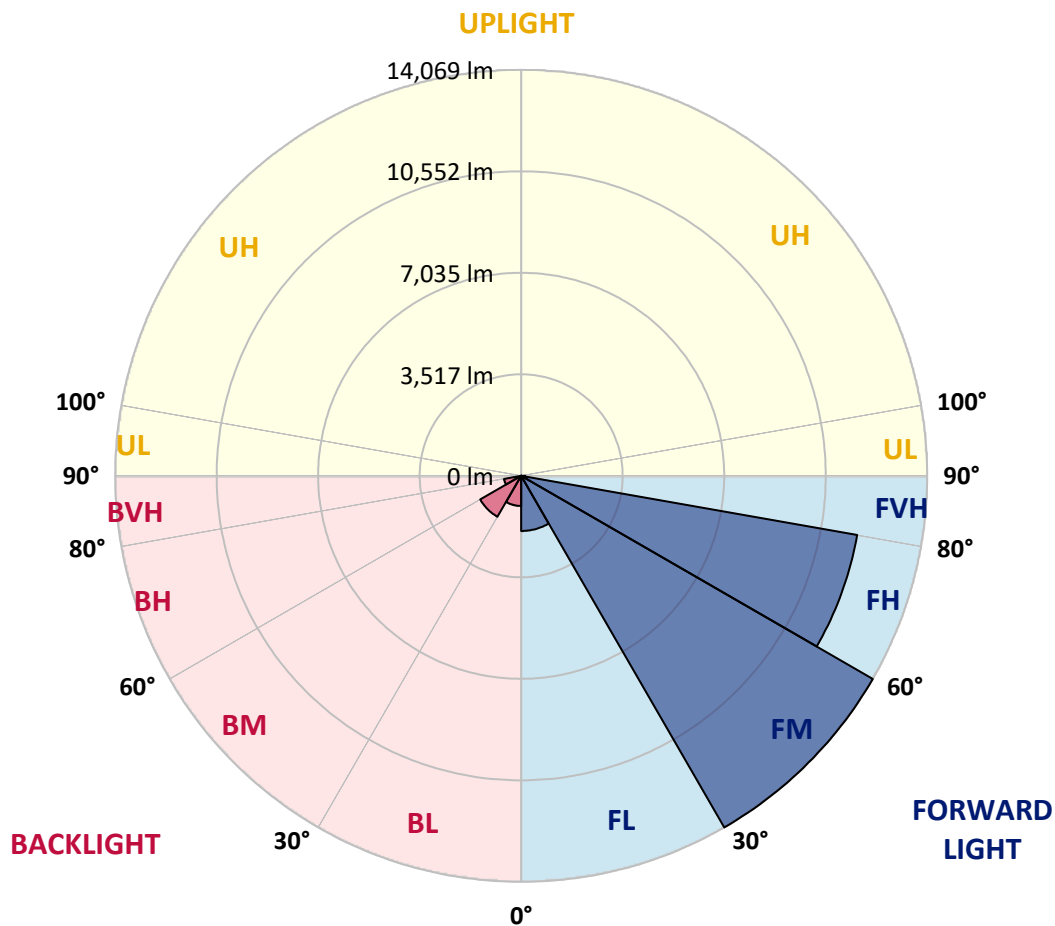
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1912.3	6.1			
FM	(30°-60°)	14069.2	45.0			
FH	(60°-80°)	11822.5	37.9			G4/12000
FVH	(80°-90°)	137.5	0.4			G2/225
BL	(0°-30°)	1046.1	3.3	B3/2500		
BM	(30°-60°)	1639.0	5.2	B2/2500		
BH	(60°-80°)	603.6	1.9	B2/1000		G2/1000
BVH	(80°-90°)	3.8	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-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9
2.5°	4574.1	4615.5	4609.6	4637.2	4647.1	4686.5	4726.0	4779.2	4838.4	4836.4	4875.9
5°	4315.7	4357.1	4367.0	4404.5	4451.8	4513.0	4593.8	4700.3	4810.8	4828.5	4907.4
7.5°	4010.0	4053.4	4079.0	4154.0	4240.8	4367.0	4499.1	4655.0	4838.4	4864.1	5015.9
10°	3704.3	3743.7	3777.2	3883.7	4021.8	4209.2	4424.2	4649.1	4895.6	4933.1	5148.1
12.5°	3514.9	3552.4	3589.9	3682.6	3854.2	4083.0	4374.9	4676.7	4990.3	5043.5	5327.6
15°	3447.8	3481.4	3511.0	3593.8	3753.6	4013.9	4365.0	4733.9	5110.6	5181.6	5544.5
17.5°	3457.7	3475.4	3495.2	3558.3	3714.1	3982.4	4382.8	4832.5	5252.6	5315.7	5761.5
20°	3514.9	3524.8	3526.7	3570.1	3708.2	3978.4	4418.3	4927.2	5386.7	5471.6	5976.5
22.5°	3587.9	3591.8	3587.9	3617.5	3745.7	4008.0	4465.6	5041.6	5536.7	5615.6	6193.5
25°	3929.1	3854.2	3759.5	3702.3	3808.8	4065.2	4536.6	5195.4	5700.4	5777.3	6404.5
27.5°	4988.3	4773.3	4434.1	4053.4	3939.0	4148.1	4635.2	5351.2	5866.1	5935.1	6631.4
30°	6708.3	6426.2	5850.3	4992.3	4357.1	4321.6	4763.5	5507.1	6041.6	6116.6	6874.0
32.5°	8432.2	8363.2	7698.5	6511.0	5298.0	4708.2	4976.5	5718.1	6274.3	6333.5	7201.4
35°	10175.8	10035.8	9491.4	8317.8	6747.7	5495.2	5331.5	5994.3	6580.1	6647.1	7678.7
37.5°	11511.2	11426.4	11089.1	10122.6	8467.7	6710.3	5939.0	6422.3	7023.9	7098.8	8290.2
40°	12690.7	12651.3	12536.9	11899.8	10390.8	8300.0	6883.8	7085.0	7639.3	7728.0	9039.7
42.5°	13617.8	13710.5	13775.6	13598.0	12373.1	10114.7	8154.1	8016.0	8497.3	8588.0	9994.4
45°	14566.5	14598.1	14860.4	15116.8	14341.6	12012.2	9586.1	9106.8	9564.4	9676.8	11138.4
47.5°	15176.0	15302.2	15763.8	16215.5	15996.5	13893.9	11124.6	10394.8	10801.1	11012.2	12420.5
50°	15221.4	15460.0	16095.2	16882.2	17201.7	15684.9	12797.2	11862.3	12294.3	12527.0	13789.4
52.5°	14465.9	14836.7	15821.0	16972.9	17852.6	17201.7	14527.1	13329.8	13884.0	14187.8	15209.5
55°	11091.1	11576.3	14789.4	16479.8	17878.2	18351.6	16211.5	14858.4	15655.3	15998.5	16744.1
57.5°	9663.0	9907.6	11627.6	15623.7	17402.9	18815.2	17734.3	16314.1	17582.4	18008.4	18193.8
60°	8039.7	8361.2	9751.8	14223.3	16757.9	18860.5	19079.5	18191.9	19671.2	20150.5	19523.3
62.5°	5463.7	5812.8	7195.5	11816.9	15876.2	18838.8	20182.1	20124.9	21992.8	22507.6	20649.5
65°	3384.7	3603.7	4514.9	9649.2	14643.4	18862.5	21335.9	22472.1	24442.5	24965.2	21521.4
67.5°	2674.6	2775.2	3250.6	7408.5	12519.1	18329.9	22487.8	24679.2	26748.3	27162.5	21787.6
70°	1796.9	1858.0	2365.0	4966.6	9313.9	15872.3	22466.2	25787.7	27935.7	28142.8	20817.2
72.5°	946.8	994.1	1382.7	2299.9	5625.4	11282.4	18937.4	24462.3	26754.2	26442.6	17793.4
75°	473.4	552.3	931.0	1167.7	2402.4	6292.1	11759.7	19286.6	21057.8	19850.7	11416.5
77.5°	359.0	433.9	769.3	769.3	836.3	2118.4	4980.4	10519.1	9702.5	8079.1	3351.2
80°	228.8	295.9	672.6	581.9	349.1	538.5	1297.9	2946.8	2061.2	1568.1	609.5
82.5°	134.1	193.3	560.2	384.6	195.3	199.2	366.9	627.2	534.5	416.2	187.4
85°	53.3	126.2	384.6	151.9	76.9	49.3	110.5	134.1	110.5	82.8	47.3
87.5°	0.0	29.6	67.1	0.0	5.9	3.9	7.9	9.9	9.9	7.9	15.8
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°	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9	4871.9
2.5°	4893.6	4897.6	4909.4	4911.4	4883.8	4848.3	4834.5	4828.5	4804.9	4802.9	4806.8
5°	4952.8	4970.6	4952.8	4901.5	4779.2	4607.6	4477.5	4370.9	4274.3	4244.7	4227.0
7.5°	5071.2	5088.9	5035.7	4834.5	4526.8	4185.5	3877.8	3660.9	3465.6	3392.6	3363.0
10°	5240.8	5264.5	5096.8	4690.5	4146.1	3597.7	3077.0	2710.1	2424.1	2307.8	2258.4
12.5°	5453.8	5463.7	5130.3	4471.5	3651.0	2867.9	2130.2	1737.7	1483.3	1388.6	1359.0
15°	5688.5	5674.7	5134.3	4173.7	2976.4	2027.7	1390.6	1142.0	1039.5	1007.9	1007.9
17.5°	5935.1	5877.9	5055.4	3743.7	2236.8	1386.6	1031.6	972.4	954.7	946.8	944.8
20°	6177.7	6049.5	4911.4	3181.6	1605.6	1035.5	936.9	919.2	909.3	905.4	901.4
22.5°	6398.6	6179.7	4664.8	2528.7	1165.7	915.2	885.6	869.8	852.1	844.2	842.2
25°	6613.6	6254.6	4317.7	1919.2	933.0	856.0	832.4	802.8	779.1	769.3	765.3
27.5°	6822.7	6302.0	3883.7	1420.2	832.4	800.8	757.4	716.0	698.2	694.3	690.4
30°	7045.6	6317.7	3390.6	1059.2	771.2	731.8	668.7	621.3	611.5	613.4	613.4
32.5°	7317.8	6341.4	2893.6	867.9	719.9	648.9	574.0	524.7	516.8	524.7	522.7
35°	7643.2	6388.8	2414.3	798.8	674.6	564.1	483.2	441.8	433.9	439.9	437.9
37.5°	8085.1	6465.7	1966.5	785.0	637.1	493.1	406.3	372.8	372.8	374.8	372.8
40°	8672.8	6670.8	1566.1	775.2	617.4	439.9	343.2	329.4	335.3	339.3	339.3
42.5°	9388.8	7106.7	1295.9	763.3	595.7	416.2	311.6	305.7	315.6	319.5	319.5
45°	10191.6	7659.0	1201.2	743.6	576.0	432.0	297.8	289.9	301.8	303.8	305.7
47.5°	11022.0	8199.5	1189.4	721.9	556.2	455.6	293.9	276.1	289.9	291.9	293.9
50°	11862.3	8552.5	1201.2	688.4	524.7	455.6	295.9	262.3	274.2	280.1	282.1
52.5°	12708.5	8714.3	1193.3	615.4	469.4	428.0	295.9	250.5	262.3	266.3	266.3
55°	13529.0	8682.7	1073.0	506.9	398.4	378.7	288.0	240.6	248.5	250.5	250.5
57.5°	14177.9	8242.8	850.1	394.5	323.5	315.6	262.3	228.8	234.7	232.7	232.7
60°	14517.2	7276.4	607.5	303.8	254.4	248.5	230.8	213.0	217.0	207.1	205.1
62.5°	14521.1	5998.2	406.3	240.6	203.2	197.2	197.2	191.3	187.4	167.7	161.7
65°	14211.5	4580.0	270.2	191.3	163.7	153.9	165.7	163.7	149.9	122.3	118.3
67.5°	13509.3	3002.1	205.1	149.9	126.2	120.3	132.2	138.1	128.2	102.6	100.6
70°	12065.4	1747.6	169.6	116.4	94.7	88.8	106.5	118.3	106.5	82.8	78.9
72.5°	10022.0	942.8	138.1	86.8	65.1	59.2	84.8	96.6	84.8	61.1	59.2
75°	6503.2	504.9	106.5	57.2	33.5	37.5	63.1	71.0	59.2	39.4	35.5
77.5°	2183.5	222.9	67.1	27.6	15.8	15.8	37.5	43.4	27.6	13.8	11.8
80°	487.2	92.7	27.6	11.8	5.9	5.9	7.9	7.9	3.9	0.0	0.0
82.5°	159.8	37.5	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	61.1	13.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.7	2.0	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)