Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P954977

Luminaire Tested: **GALN-SB8A-827-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P954977
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB8A-827-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32480 lumens
Efficiency:	N/A
Efficacy:	143.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B5 - U0 - G5

Input Watts (W):	227.1
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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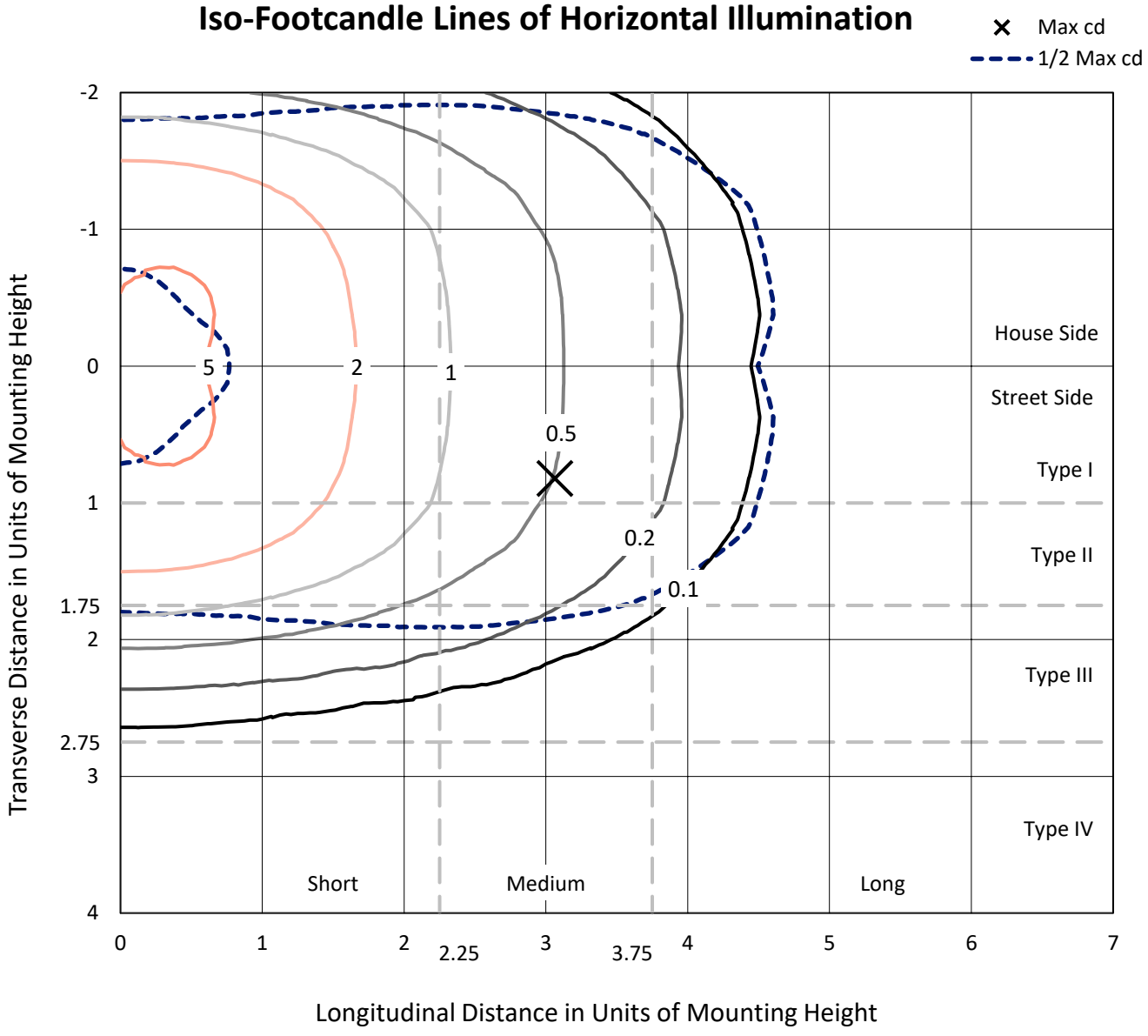
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Medium - N/A

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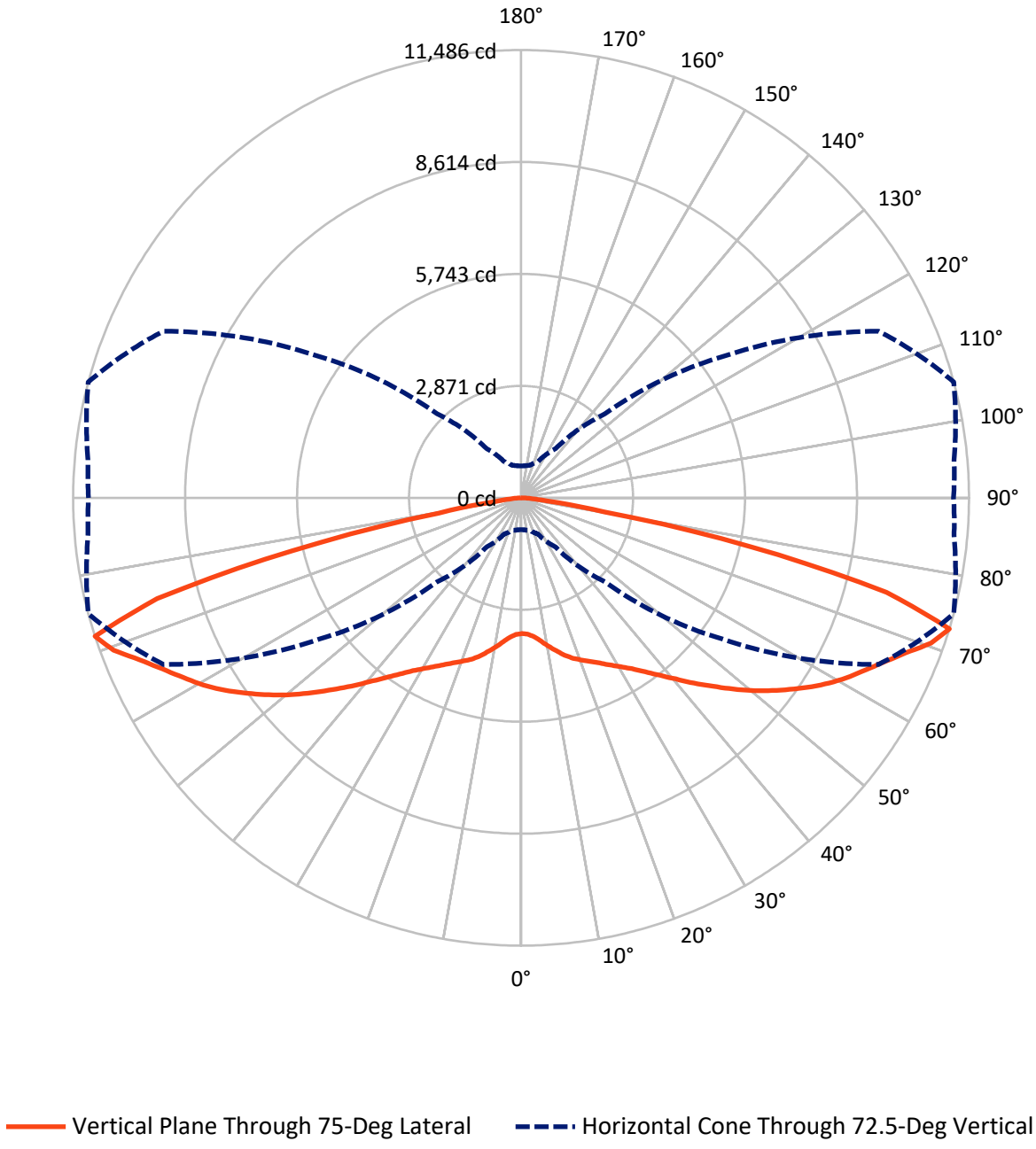
Luminous Intensity Polar Plot



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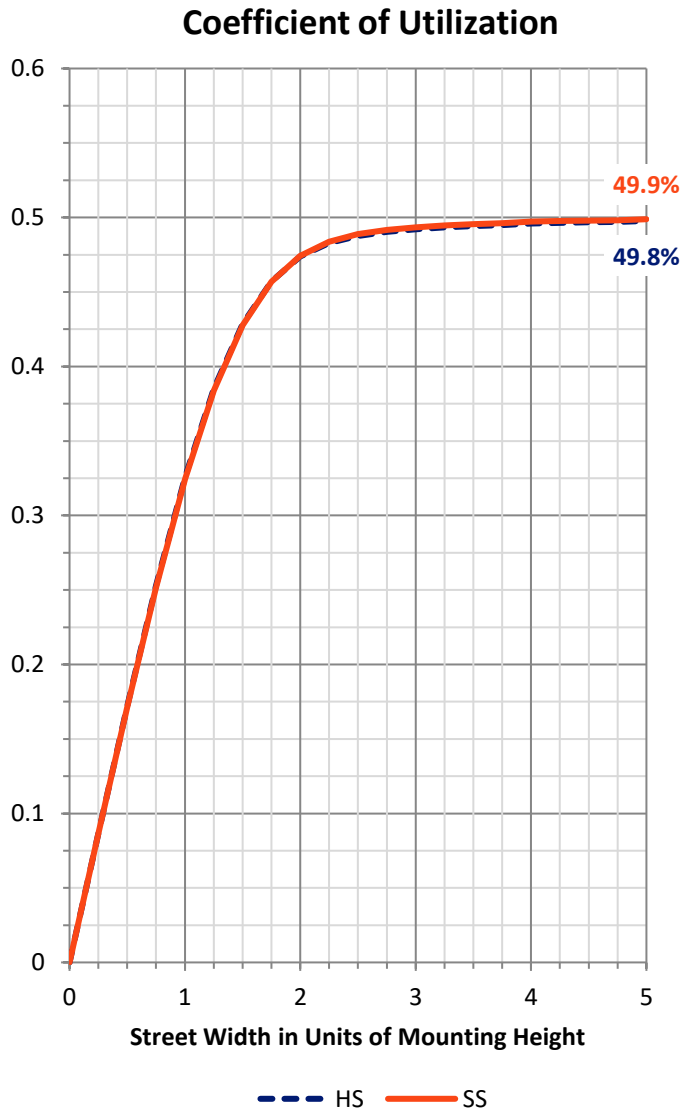
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16240.0	0.0	16240.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16240.0	0.0	16240.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32480.0	0.0	32480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	1.0
10°-20°	1124.1	3.5
20°-30°	2172.1	6.7
30°-40°	3667.6	11.3
40°-50°	5816.5	17.9
50°-60°	7787.6	24.0
60°-70°	7411.3	22.8
70°-80°	3867.3	11.9
80°-90°	292.7	0.9
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°	32480.0	100.0
0°-180°	32480.0	100.0



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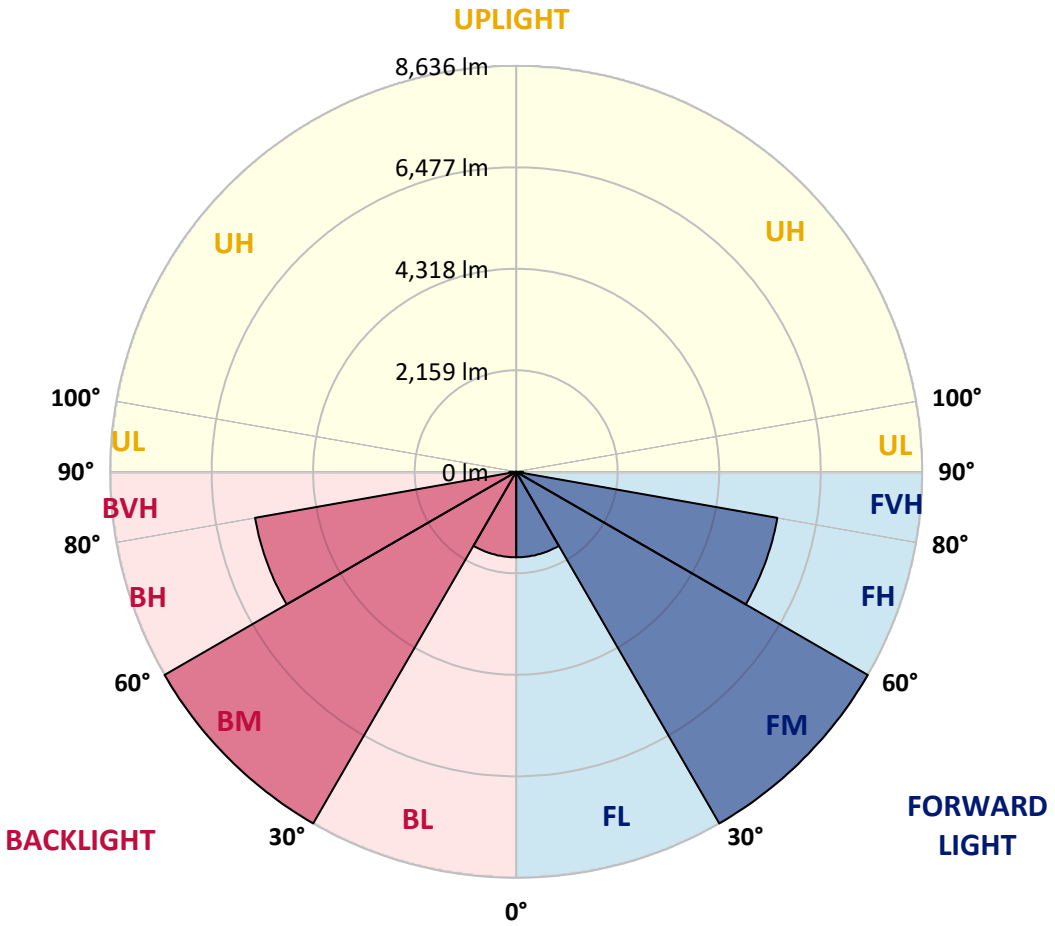
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1818.5	5.6			
FM	(30°-60°)	8635.8	26.6			
FH	(60°-80°)	5639.3	17.4			G3/7500
FVH	(80°-90°)	146.4	0.5			G2/225
BL	(0°-30°)	1818.5	5.6	B3/2500		
BM	(30°-60°)	8635.8	26.6	B5		
BH	(60°-80°)	5639.3	17.4	B5		G5
BVH	(80°-90°)	146.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3479.2	3479.2	3479.2	3479.2	3479.2	3479.2	3479.2	3479.2	*3479.2*	3479.2
2.5°	3479.2	3475.9	3479.2	3482.5	3480.8	3480.8	3489.1	3494.1	*3504.1*	3502.4
5°	3456.0	3454.3	3467.6	3482.5	3494.1	3514.0	3538.9	3557.1	*3580.3*	3585.3
7.5°	3444.4	3439.4	3462.6	3489.1	3525.6	3575.4	3623.5	3673.2	*3713.0*	3726.3
10°	3452.7	3454.3	3485.8	3535.6	3593.6	3663.3	3731.3	3815.8	*3872.2*	3885.5
12.5°	3490.8	3487.5	3540.5	3620.1	3699.7	3787.6	3867.2	3960.1	*4021.5*	4053.0
15°	3560.4	3553.8	3628.4	3746.2	3862.3	3965.1	4029.8	4117.6	*4189.0*	4228.8
17.5°	3643.4	3646.7	3744.5	3897.1	4049.7	4165.7	4227.1	4271.9	*4326.6*	4361.4
20°	3789.3	3795.9	3905.4	4086.1	4260.3	4392.9	4442.7	4426.1	*4441.0*	4467.6
22.5°	3985.0	3988.3	4111.0	4306.7	4489.1	4635.0	4668.2	4600.2	*4558.8*	4577.0
25°	4212.2	4233.7	4356.4	4557.1	4744.5	4883.8	4898.7	4795.9	*4693.1*	4698.1
27.5°	4489.1	4509.0	4633.4	4832.4	5023.1	5144.2	5142.5	5004.9	*4854.0*	4815.8
30°	4789.3	4810.8	4938.5	5144.2	5321.6	5427.7	5404.5	5240.3	*5024.8*	4953.5
32.5°	5145.8	5159.1	5288.4	5494.1	5658.2	5742.8	5694.7	5492.4	*5223.8*	5142.5
35°	5577.0	5596.9	5693.1	5887.1	6031.4	6101.0	6019.8	5781.0	*5479.1*	5387.9
37.5°	6069.5	6056.2	6165.7	6338.2	6457.6	6500.7	6389.6	6106.0	*5771.0*	5663.2
40°	6583.6	6577.0	6696.4	6862.2	6926.9	6953.4	6789.2	6479.1	*6107.7*	5991.6
42.5°	7049.6	7044.6	7205.5	7389.5	7467.5	7437.6	7230.3	6875.5	*6497.4*	6364.7
45°	7422.7	7416.1	7613.4	7872.1	8024.7	7974.9	7696.3	7313.3	*6892.0*	6754.4
47.5°	7709.6	7712.9	7925.2	8245.2	8512.2	8530.5	8172.3	7759.4	*7326.5*	7170.6
50°	7916.9	7926.8	8154.0	8508.9	8873.8	9034.6	8658.2	8217.1	*7775.9*	7600.2
52.5°	7968.3	7986.5	8260.2	8676.4	9105.9	9412.7	9152.4	8656.5	*8202.1*	8034.6
55°	7694.7	7731.2	8077.8	8663.1	9248.5	9661.5	9586.8	9102.6	*8631.6*	8459.2
57.5°	7066.2	7117.6	7522.2	8286.7	9217.0	9832.3	9923.5	9530.5	*9061.1*	8895.3
60°	6185.6	6247.0	6635.0	7469.1	8772.6	9895.3	10160.6	9946.7	*9455.8*	9295.0
62.5°	4857.3	4936.9	5401.2	6379.6	7834.0	9601.8	10362.9	10323.1	*9810.7*	9610.1
65°	3116.0	3200.6	3689.8	4845.7	6581.9	8702.9	10426.0	10689.6	*10185.5*	9905.2
67.5°	1878.9	1917.0	2159.2	2936.9	4810.8	7348.1	9892.0	11095.9	*10623.3*	10275.1
70°	1202.3	1223.9	1368.1	1724.7	2719.7	5361.4	8568.6	11172.2	*11154.0*	10654.8
72.5°	*815.9*	*822.5*	*860.7*	*1021.5*	*1538.9*	*3046.4*	*6319.9*	*10114.2*	*11485.6*	*11144.0*
75°	597.0	633.5	694.8	723.0	873.9	1522.4	3621.8	7106.0	*9679.7*	9829.0
77.5°	444.4	446.1	530.7	563.8	623.5	810.9	1532.3	3966.7	*6009.8*	6310.0
80°	376.4	356.5	354.9	454.4	469.3	505.8	684.9	1369.8	*2152.5*	1305.1
82.5°	313.4	291.9	263.7	354.9	320.1	310.1	296.8	557.2	*684.9*	336.6
85°	218.9	209.0	199.0	232.2	182.4	155.9	142.6	260.4	*288.6*	142.6
87.5°	94.5	97.8	99.5	102.8	76.3	54.7	54.7	73.0	*73.0*	56.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

(END C

Scaled Data Report

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90°
3479.2
3500.7
3585.3
3729.6
3898.7
4066.2
4243.7
4378.0
4487.5
4590.3
4706.4
4827.4
4961.7
5162.4
5401.2
5683.1
6029.7
6397.9
6785.9
7217.1
7653.2
8077.8
8507.3
8933.5
9329.8
9633.3
9940.1
10301.6
10651.5
11091.0
9467.4
5628.4
986.7
286.9
126.0
41.5
0.0

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