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: P954389

Luminaire Tested: **GALN-SB7C-930-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P954389
	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-SB7C-930-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	38153 lumens
Efficiency:	N/A
Efficacy:	108.9 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):	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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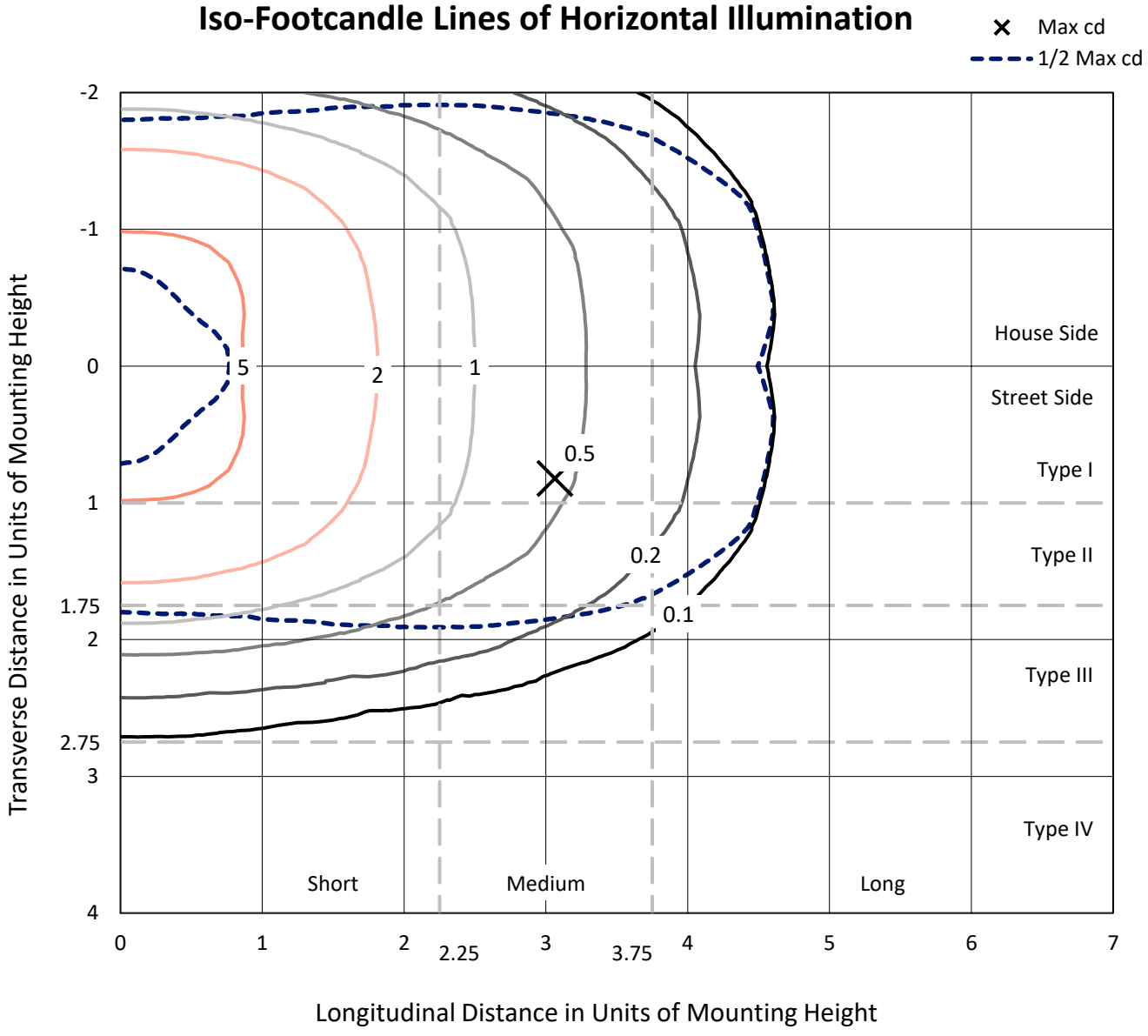
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type III - Medium - N/A

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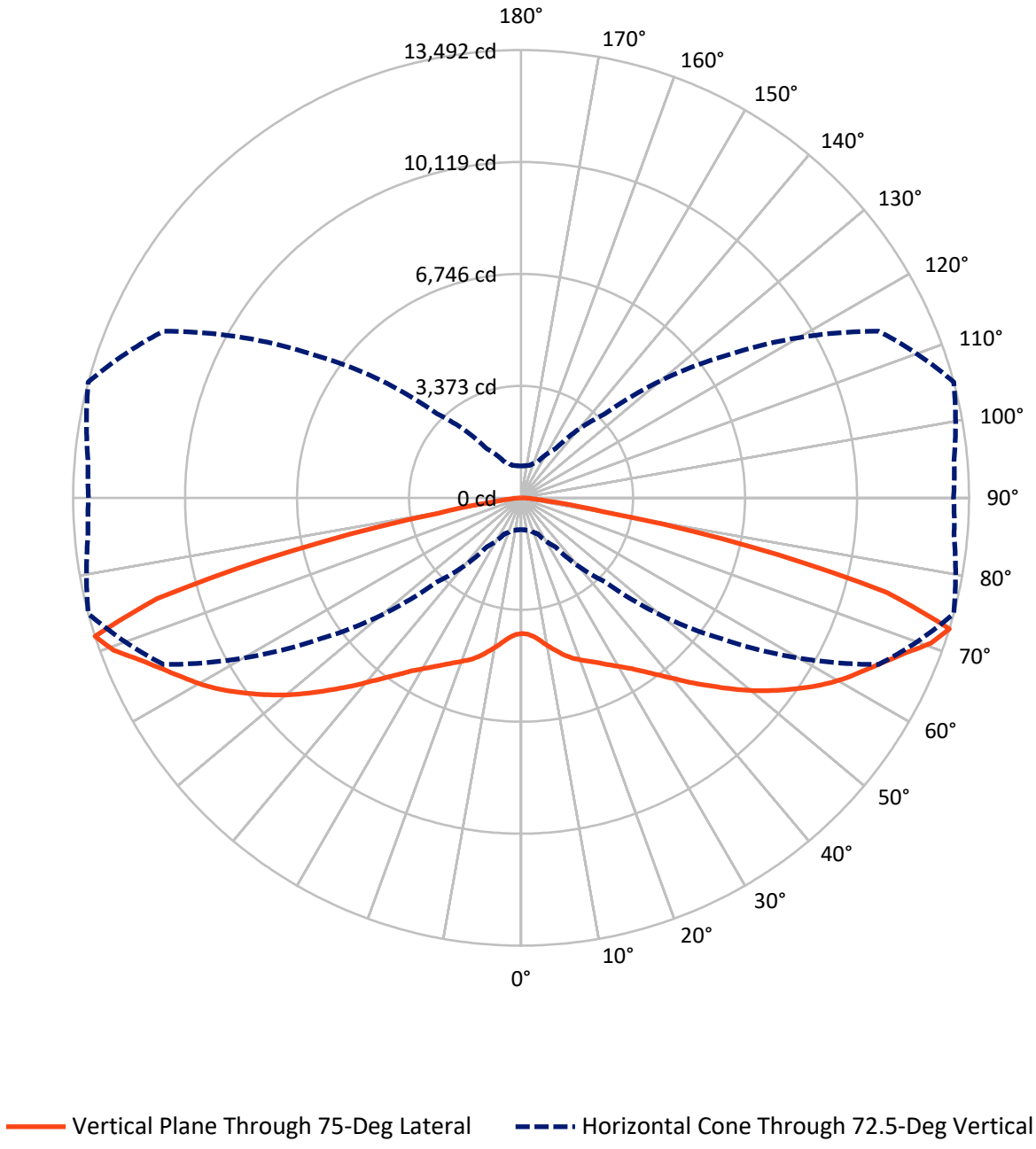
Luminous Intensity Polar Plot



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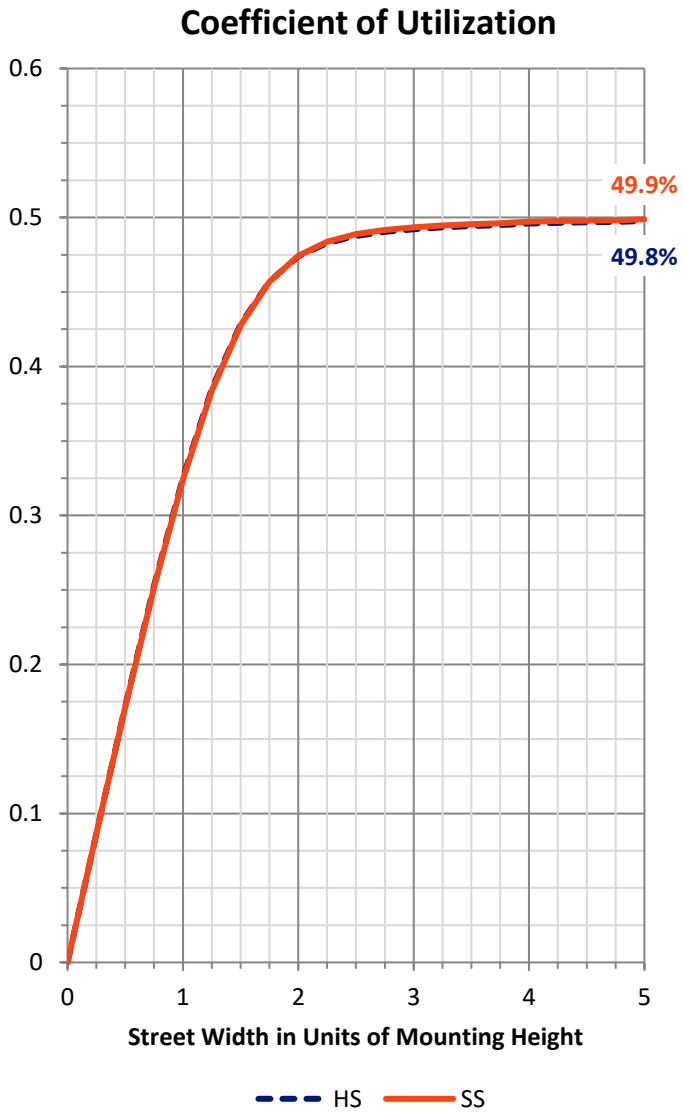
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19076.5	0.0	19076.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19076.5	0.0	19076.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38153.0	0.0	38153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.3	1.0
10°-20°	1320.4	3.5
20°-30°	2551.4	6.7
30°-40°	4308.2	11.3
40°-50°	6832.4	17.9
50°-60°	9147.8	24.0
60°-70°	8705.7	22.8
70°-80°	4542.8	11.9
80°-90°	343.9	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°	38153.0	100.0
0°-180°	38153.0	100.0



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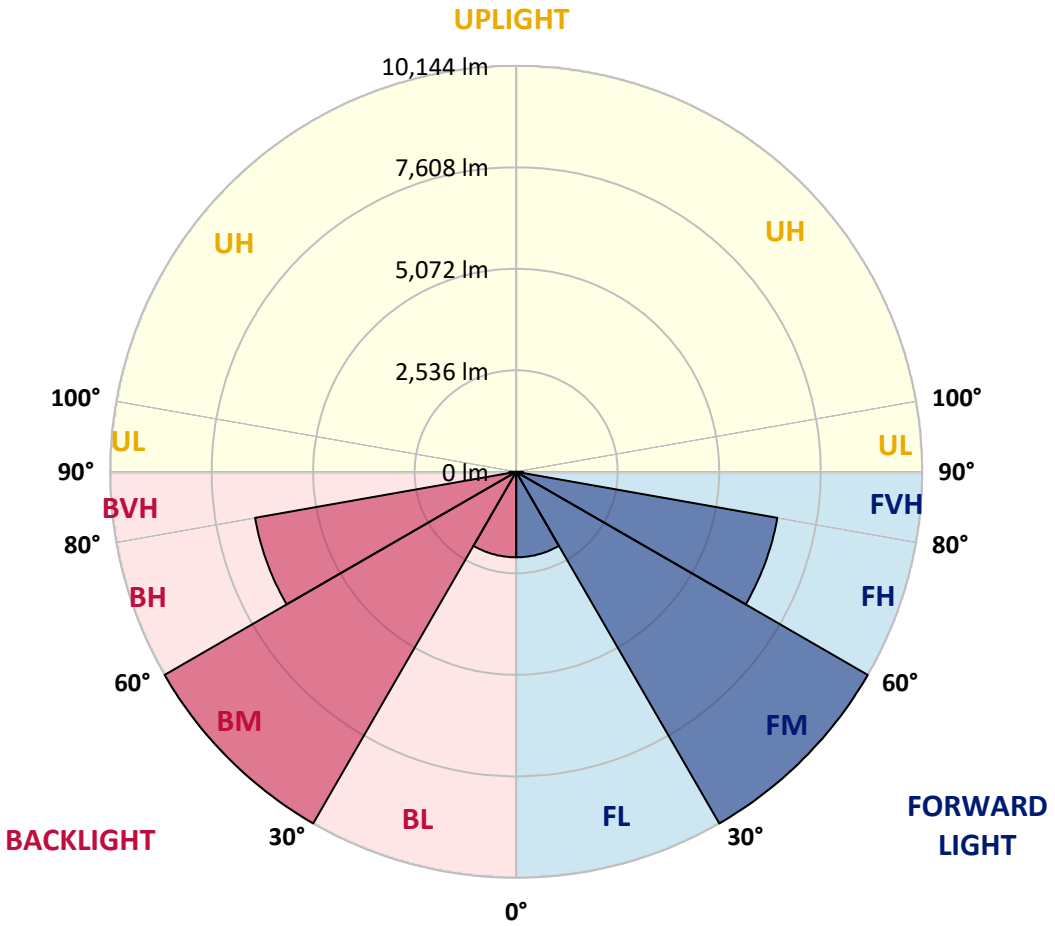
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2136.1	5.6			
FM	(30°-60°)	10144.2	26.6			
FH	(60°-80°)	6624.3	17.4			G3/7500
FVH	(80°-90°)	171.9	0.5			G2/225
BL	(0°-30°)	2136.1	5.6	B3/2500		
BM	(30°-60°)	10144.2	26.6	B5		
BH	(60°-80°)	6624.3	17.4	B5		G5
BVH	(80°-90°)	171.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	*4086.9*	4086.9
2.5°	4086.9	4083.0	4086.9	4090.8	4088.8	4088.8	4098.6	4104.4	*4116.1*	4114.1
5°	4059.6	4057.6	4073.2	4090.8	4104.4	4127.8	4157.0	4178.4	*4205.7*	4211.5
7.5°	4046.0	4040.1	4067.4	4098.6	4141.4	4199.9	4256.3	4314.8	*4361.5*	4377.1
10°	4055.7	4057.6	4094.7	4153.1	4221.3	4303.1	4383.0	4482.3	*4548.5*	4564.1
12.5°	4100.5	4096.6	4158.9	4252.4	4346.0	4449.2	4542.7	4651.8	*4723.9*	4760.9
15°	4182.3	4174.5	4262.2	4400.5	4536.9	4657.6	4733.6	4836.8	*4920.6*	4967.4
17.5°	4279.7	4283.6	4398.5	4577.8	4757.0	4893.3	4965.4	5018.0	*5082.3*	5123.2
20°	4451.1	4458.9	4587.5	4799.8	5004.4	5160.2	5218.6	5199.2	*5216.7*	5247.9
22.5°	4681.0	4684.9	4829.1	5058.9	5273.2	5444.6	5483.6	5403.7	*5355.0*	5376.4
25°	4947.9	4973.2	5117.4	5353.1	5573.2	5736.8	5754.3	5633.6	*5512.8*	5518.6
27.5°	5273.2	5296.6	5442.7	5676.4	5900.4	6042.6	6040.7	5879.0	*5701.7*	5656.9
30°	5625.8	5651.1	5801.1	6042.6	6251.1	6375.7	6348.5	6155.6	*5902.4*	5818.6
32.5°	6044.6	6060.2	6212.1	6453.7	6646.5	6745.9	6689.4	6451.7	*6136.1*	6040.7
35°	6551.1	6574.4	6687.4	6915.3	7084.8	7166.6	7071.2	6790.7	*6436.1*	6329.0
37.5°	7129.6	7114.0	7242.6	7445.2	7585.4	7636.1	7505.6	7172.5	*6779.0*	6652.4
40°	7733.5	7725.7	7866.0	8060.8	8136.7	8167.9	7975.0	7610.8	*7174.4*	7038.1
42.5°	8280.9	8275.0	8464.0	8680.2	8771.8	8736.7	8493.2	8076.3	*7632.2*	7476.4
45°	8719.2	8711.4	8943.2	9247.1	9426.3	9367.9	9040.6	8590.6	*8095.8*	7934.1
47.5°	9056.2	9060.1	9309.4	9685.4	9999.0	10020.4	9599.7	9114.6	*8606.2*	8423.1
50°	9299.7	9311.4	9578.2	9995.1	10423.7	10612.6	10170.4	9652.3	*9134.1*	8927.6
52.5°	9360.1	9381.5	9702.9	10191.8	10696.4	11056.8	10750.9	10168.5	*9634.7*	9438.0
55°	9038.6	9081.5	9488.6	10176.3	10863.9	11349.0	11261.3	10692.5	*10139.3*	9936.7
57.5°	8300.4	8360.7	8836.1	9734.1	10826.9	11549.6	11656.7	11195.1	*10643.8*	10449.0
60°	7266.0	7338.1	7793.9	8773.7	10304.8	11623.6	11935.3	11684.0	*11107.4*	10918.4
62.5°	5705.6	5799.1	6344.6	7493.9	9202.3	11278.8	12172.9	12126.2	*11524.3*	11288.6
65°	3660.3	3759.6	4334.3	5692.0	7731.5	10223.0	12247.0	12556.7	*11964.5*	11635.3
67.5°	2207.1	2251.9	2536.3	3449.9	5651.1	8631.5	11619.7	13034.0	*12478.8*	12069.7
70°	1412.3	1437.6	1607.1	2025.9	3194.7	6297.8	10065.2	13123.6	*13102.1*	12515.8
72.5°	*958.4*	*966.2*	*1011.0*	*1200.0*	*1807.7*	*3578.4*	*7423.8*	*11880.8*	*13491.7*	*13090.4*
75°	701.3	744.1	816.2	849.3	1026.6	1788.2	4254.4	8347.1	*11370.4*	11545.7
77.5°	522.1	524.0	623.4	662.3	732.4	952.6	1799.9	4659.6	*7059.5*	7412.1
80°	442.2	418.8	416.9	533.7	551.3	594.1	804.5	1609.0	*2528.5*	1533.1
82.5°	368.2	342.8	309.7	416.9	376.0	364.3	348.7	654.5	*804.5*	395.4
85°	257.1	245.4	233.8	272.7	214.3	183.1	167.5	305.8	*338.9*	167.5
87.5°	111.0	114.9	116.9	120.8	89.6	64.3	64.3	85.7	*85.7*	66.2
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°
4086.9
4112.2
4211.5
4381.0
4579.7
4776.5
4984.9
5142.7
5271.2
5392.0
5528.4
5670.6
5828.4
6064.1
6344.6
6675.7
7082.9
7515.3
7971.1
8477.6
8989.9
9488.6
9993.2
10493.8
10959.4
11315.8
11676.2
12100.9
12511.9
13028.1
11121.0
6611.5
1159.1
337.0
148.0
48.7
0.0

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