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: P941593

Luminaire Tested: **GALN-SB5A-950-U-T1**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P941593
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5A-950-U-T1
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15594 lumens
Efficiency:	N/A
Efficacy:	110.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G4

Input Watts (W):	141.7
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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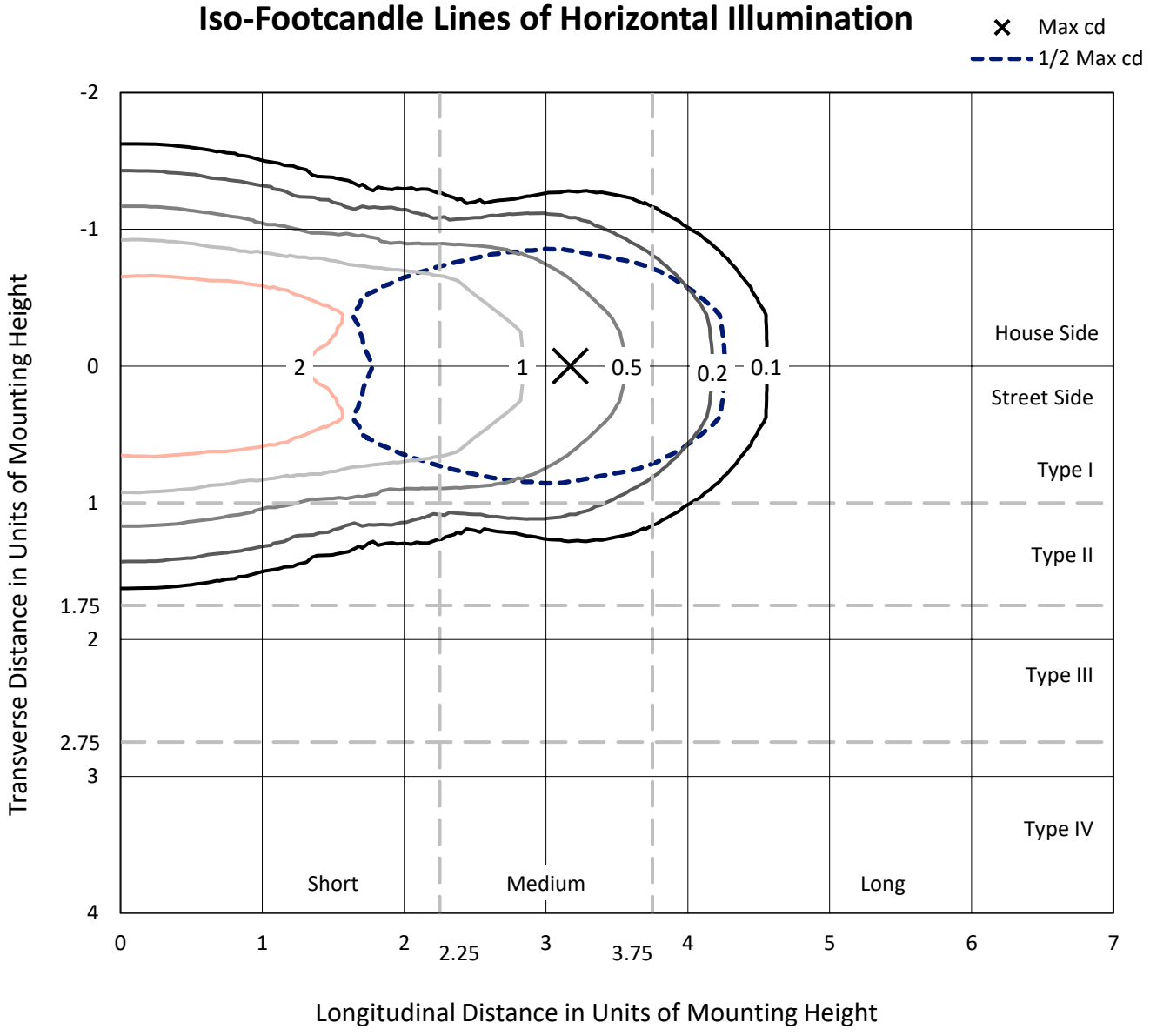
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
Type I - Short - N/A

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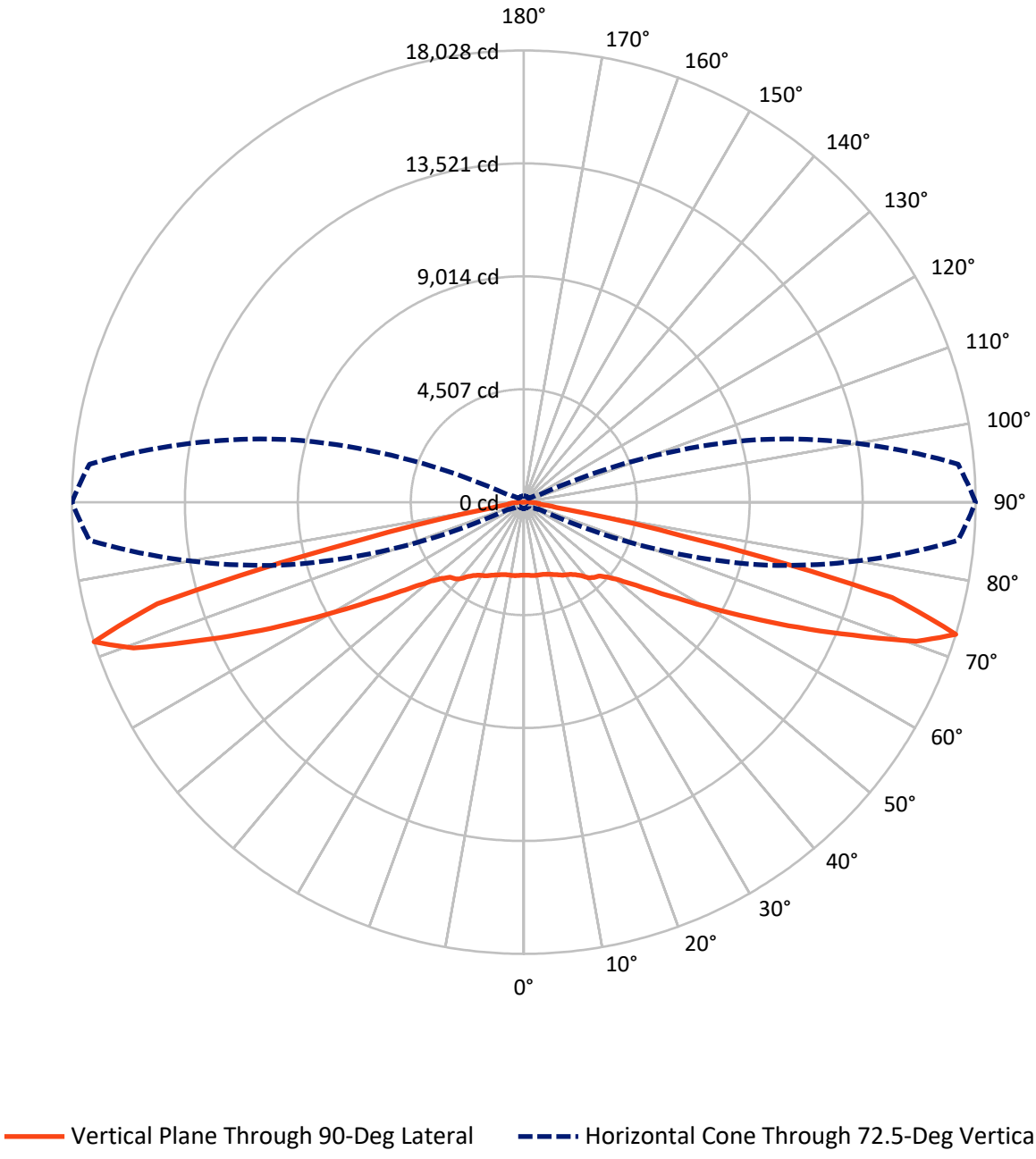
Luminous Intensity Polar Plot



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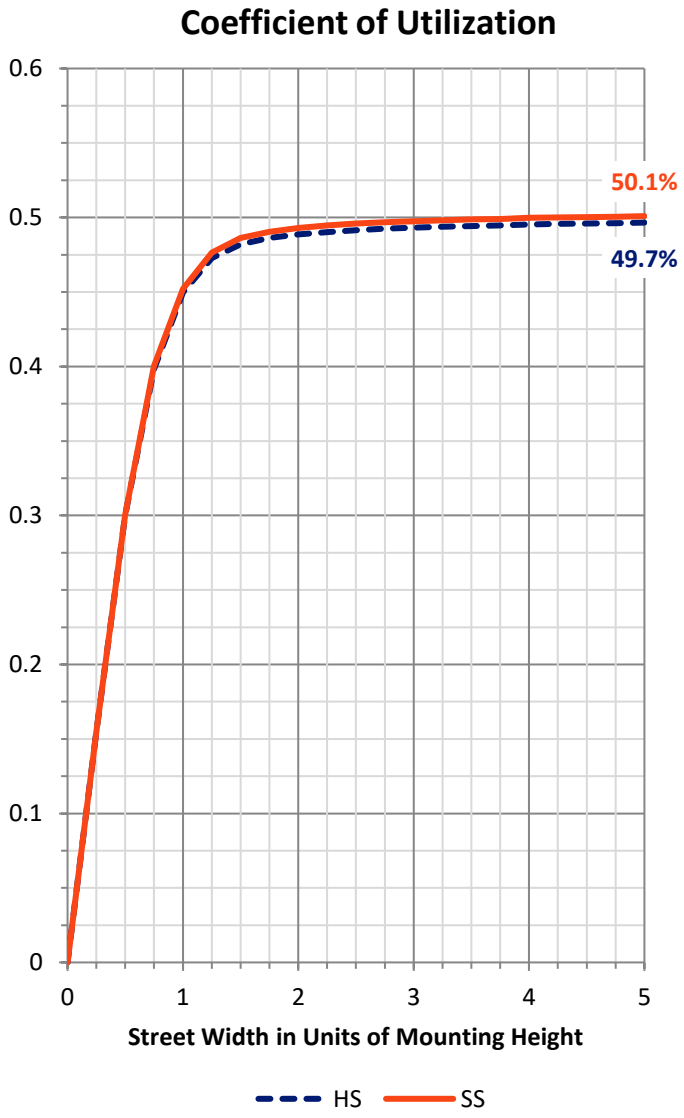
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7797.0	0.0	7797.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7797.0	0.0	7797.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15594.0	0.0	15594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.5	1.8
10°-20°	863.9	5.5
20°-30°	1440.5	9.2
30°-40°	1981.1	12.7
40°-50°	2419.4	15.5
50°-60°	2798.3	17.9
60°-70°	3336.6	21.4
70°-80°	2328.7	14.9
80°-90°	143.0	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°	15594.0	100.0
0°-180°	15594.0	100.0



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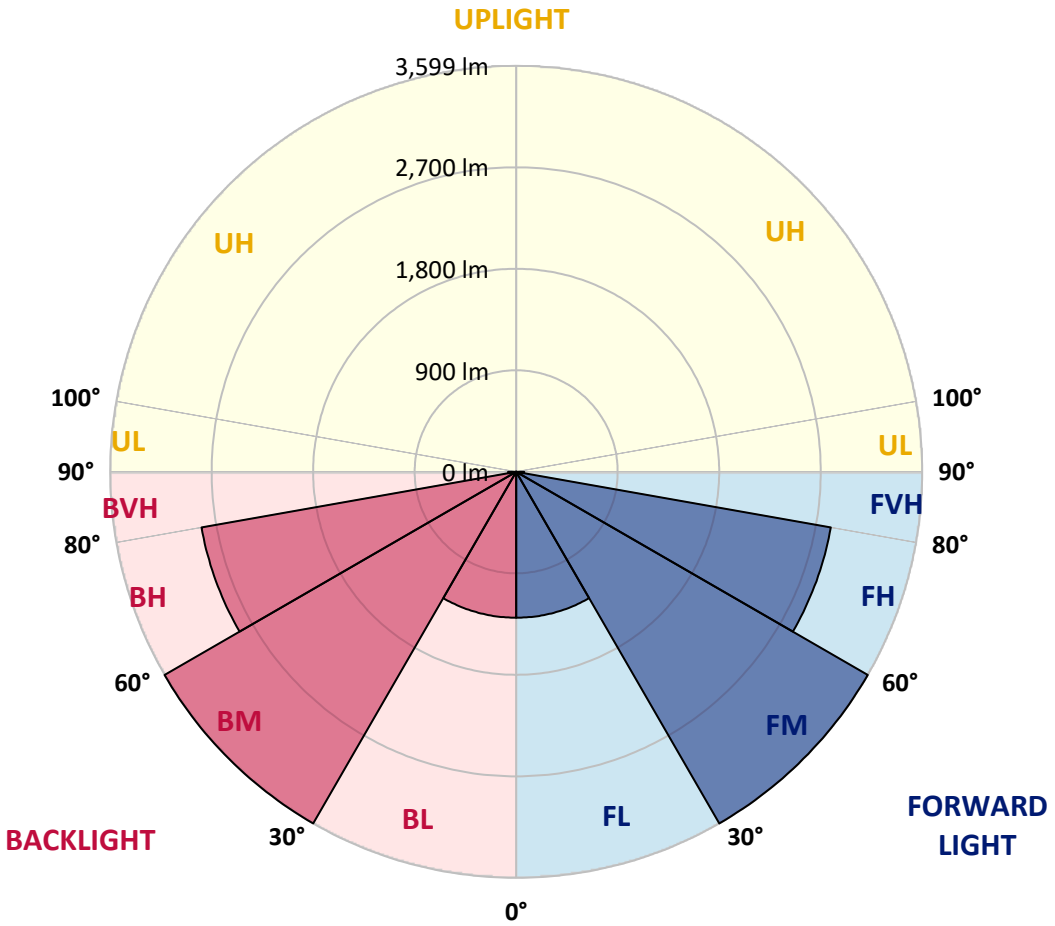
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1293.4	8.3			
FM	(30°-60°)	3599.4	23.1			
FH	(60°-80°)	2832.6	18.2			G2/5000
FVH	(80°-90°)	71.5	0.5			G1/100
BL	(0°-30°)	1293.4	8.3	B3/2500		
BM	(30°-60°)	3599.4	23.1	B3/5000		
BH	(60°-80°)	2832.6	18.2	B4/5000		G4/5000
BVH	(80°-90°)	71.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2913.9	2913.9	2913.9	2913.9	2913.9	2913.9	2913.9	2913.9	2913.9	2913.9
2.5°	2916.4	2919.7	2919.7	2917.2	2923.0	2918.0	2918.0	2915.6	2918.0	2915.6
5°	2931.3	2935.5	2937.1	2936.3	2943.7	2939.6	2939.6	2936.3	2937.1	2934.6
7.5°	2959.5	2965.3	2968.6	2972.7	2983.5	2978.5	2975.2	2965.3	2961.1	2954.5
10°	2968.6	2975.2	2986.0	3007.6	3032.4	3033.2	3023.3	2998.4	2979.4	2964.5
12.5°	2940.4	2949.5	2971.9	3015.8	3071.4	3093.7	3078.0	3036.6	2999.3	2972.7
15°	2904.8	2914.7	2948.7	3015.0	3097.1	3149.3	3147.6	3092.9	3033.2	2991.8
17.5°	2849.3	2859.2	2908.1	3000.9	3116.9	3203.1	3226.3	3170.0	3086.3	3030.8
20°	2749.0	2758.1	2826.1	2956.2	3123.6	3260.3	3320.8	3271.1	3166.7	3091.3
22.5°	2618.9	2633.0	2712.5	2879.1	3107.8	3320.0	3428.6	3394.6	3260.3	3155.9
25°	2479.6	2494.6	2587.4	2784.6	3067.2	3363.1	3556.2	3534.6	3366.4	3236.3
27.5°	2359.5	2375.2	2476.3	2691.0	3004.2	3379.7	3682.2	3692.9	3494.9	3325.0
30°	2265.0	2279.9	2387.6	2615.6	2923.0	3363.1	3792.4	3867.0	3625.8	3402.0
32.5°	2161.4	2180.5	2294.0	2523.6	2826.9	3323.3	3888.5	4055.1	3777.5	3484.9
35°	2030.5	2047.9	2167.2	2397.6	2700.9	3259.5	3968.9	4263.9	3994.6	3610.9
37.5°	1871.3	1887.9	2006.4	2240.1	2575.8	3170.0	4030.2	4499.3	4253.2	3792.4
40°	1711.4	1727.1	1838.2	2064.4	2425.8	3055.6	4051.8	4729.7	4549.9	4041.8
42.5°	1564.7	1578.8	1680.7	1891.2	2257.5	2909.8	4023.6	4930.3	4815.9	4215.9
45°	1429.6	1442.0	1532.4	1728.8	2082.7	2732.4	3939.1	5145.7	5132.5	4340.2
47.5°	1275.5	1287.9	1381.5	1571.3	1907.8	2524.4	3795.7	5357.9	5572.6	4622.0
50°	1087.3	1098.1	1194.2	1389.8	1726.3	2303.1	3596.8	5524.5	6127.8	5048.8
52.5°	864.4	876.0	969.6	1165.2	1510.8	2065.3	3334.9	5633.0	6769.3	5672.0
55°	643.1	651.4	732.6	908.3	1244.0	1794.3	3006.7	5663.7	7496.9	6524.0
57.5°	466.6	471.6	523.8	654.7	943.1	1455.3	2608.1	5584.2	8363.0	7616.3
60°	377.9	379.6	395.3	453.3	655.5	1072.4	2126.6	5310.7	9302.8	9024.3
62.5°	343.1	343.1	347.2	363.0	443.4	707.8	1544.0	4743.8	10310.5	10803.7
65°	319.1	319.1	320.7	328.2	349.7	450.8	974.6	3820.6	11160.0	12888.0
67.5°	297.5	298.4	297.5	300.0	312.4	333.2	565.2	2638.8	11617.5	15047.7
70°	275.1	276.8	272.7	272.7	282.6	283.4	353.9	1447.0	11237.9	16857.7
72.5°	*248.6*	*251.1*	*244.5*	*242.8*	*250.3*	*247.0*	*266.0*	*694.5*	*9648.4*	*17398.1*
75°	225.4	228.7	213.8	209.7	209.7	207.2	216.3	356.4	6262.1	14192.4
77.5°	204.7	211.3	187.3	174.0	170.7	163.3	176.5	218.0	2739.0	6663.2
80°	169.1	178.2	154.1	138.4	132.6	124.3	139.2	152.5	814.7	1547.3
82.5°	126.0	130.1	109.4	98.6	93.6	87.8	104.4	106.1	265.2	547.8
85°	80.4	82.0	67.1	58.0	55.5	53.0	66.3	58.0	101.1	402.8
87.5°	28.2	32.3	25.7	23.2	24.9	20.7	30.7	17.4	28.2	284.3
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°
2913.9
2915.6
2934.6
2954.5
2962.0
2968.6
2985.2
3021.6
3077.2
3136.8
3209.8
3296.8
3361.4
3433.5
3553.7
3716.1
3960.6
4111.5
4199.3
4459.5
4844.9
5420.9
6209.9
7220.9
8526.2
10136.5
12044.3
14136.9
16618.2
18027.9
15180.3
6524.8
1481.8
619.1
585.1
352.2
0.0

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