Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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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: STREETWORKS

Report Number: P950920

Luminaire Tested: **GLAN-SB5B-727-U-5MQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P950920
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB5B-727-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27630 lumens
Efficiency:	N/A
Efficacy:	151.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G3

Input Watts (W):	182.7
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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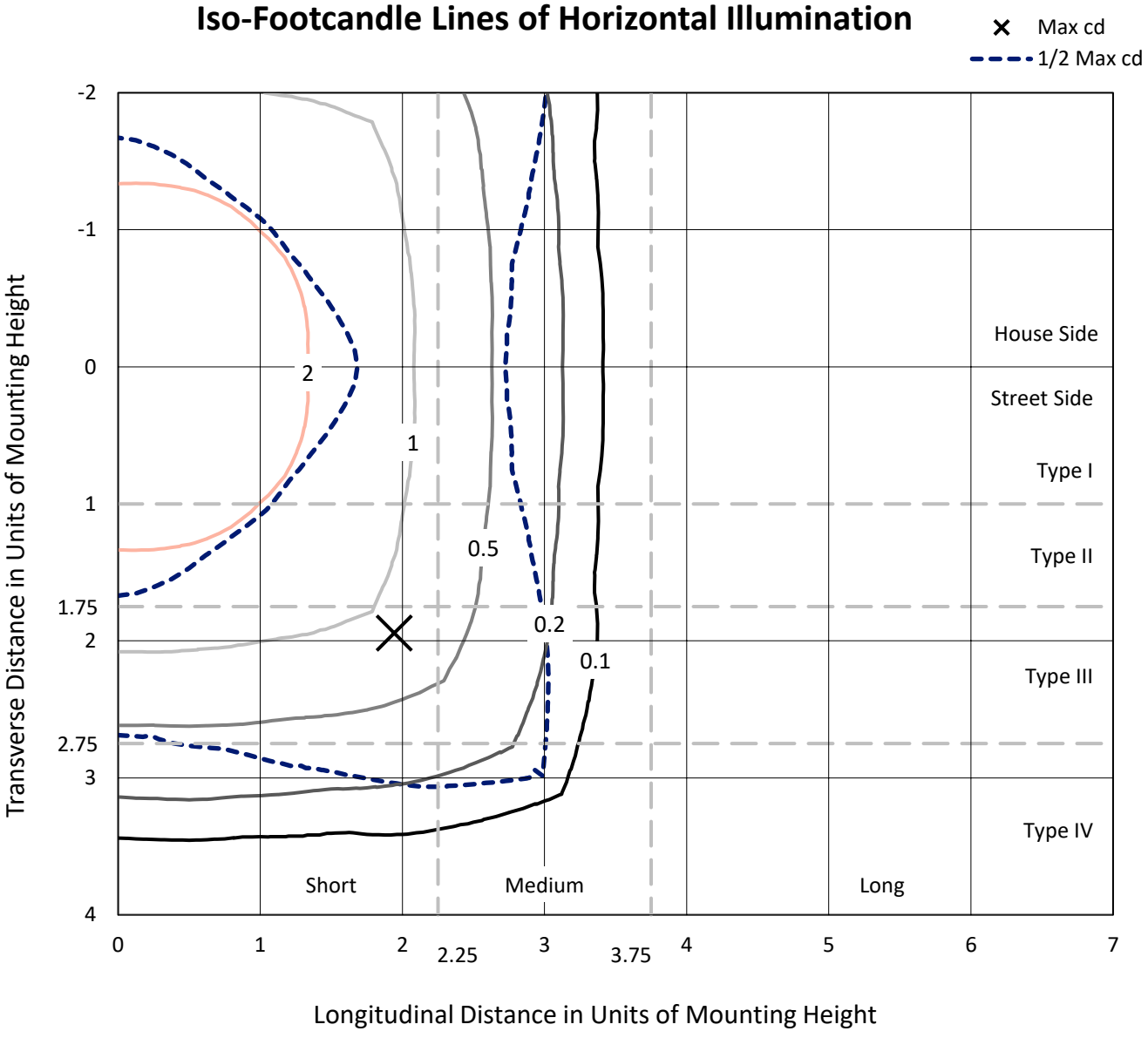
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type V - Short - N/A

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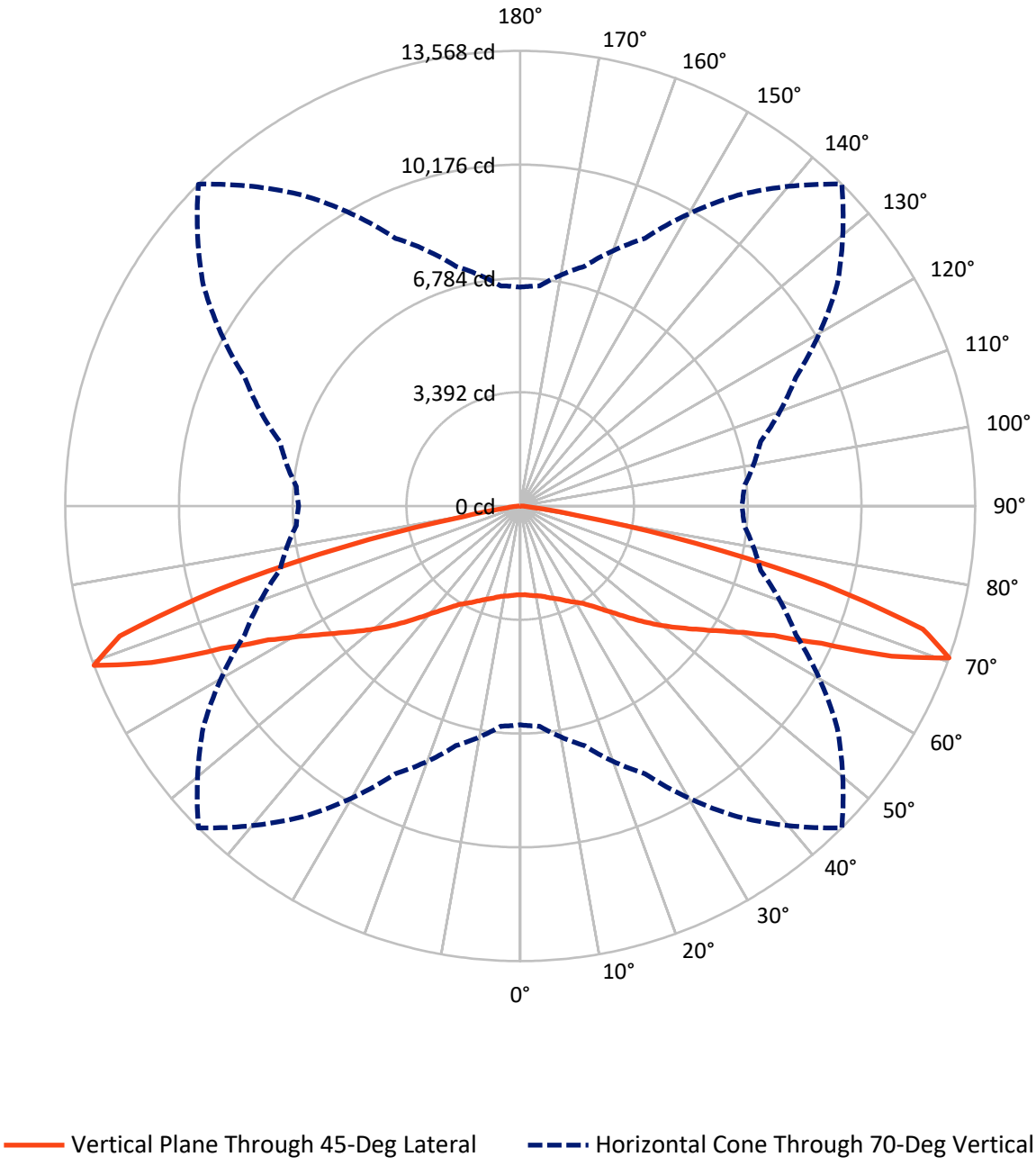
Luminous Intensity Polar Plot



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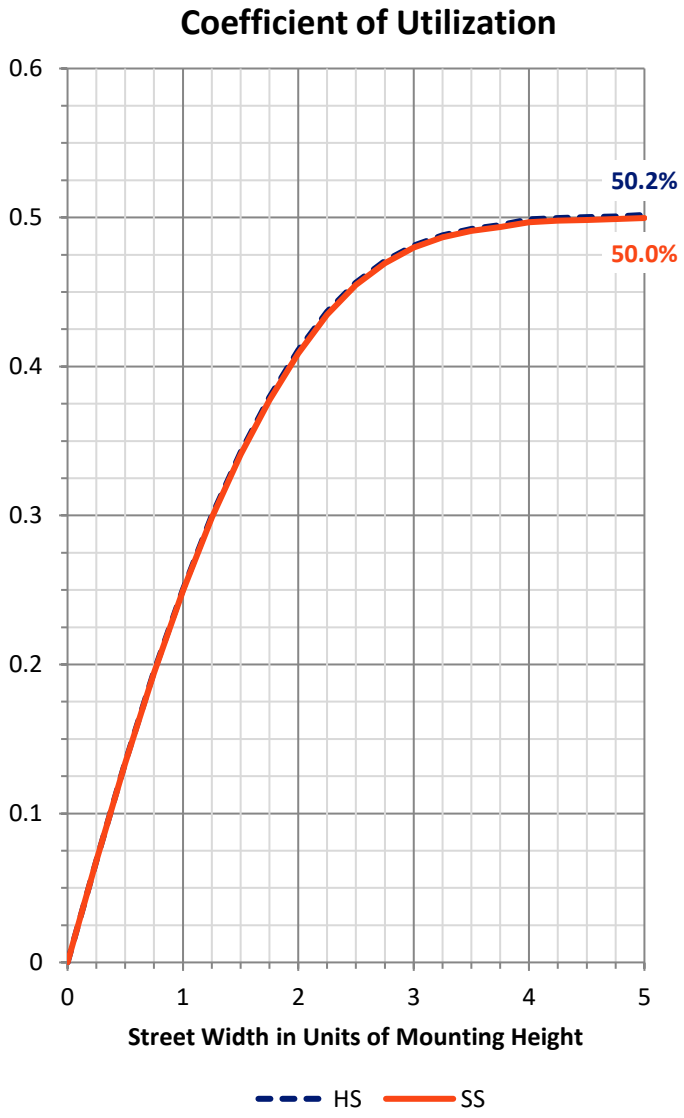
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13815.0	0.0	13815.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13815.0	0.0	13815.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27630.0	0.0	27630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.1	0.9
10°-20°	797.3	2.9
20°-30°	1424.9	5.2
30°-40°	2309.7	8.4
40°-50°	3762.2	13.6
50°-60°	5736.0	20.8
60°-70°	8533.4	30.9
70°-80°	4651.0	16.8
80°-90°	158.4	0.6
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°	27630.0	100.0
0°-180°	27630.0	100.0



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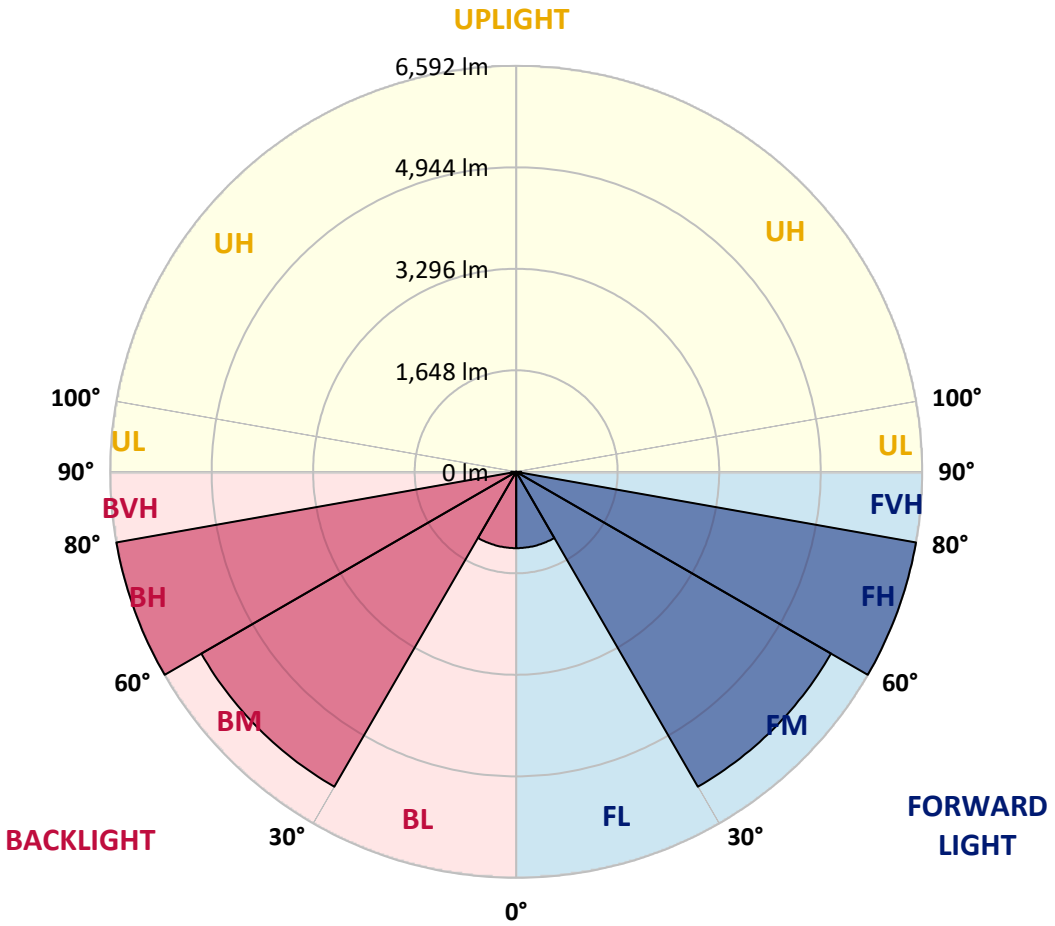
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1239.7	4.5			
FM	(30°-60°)	5904.0	21.4			
FH	(60°-80°)	6592.2	23.9			G3/7500
FVH	(80°-90°)	79.2	0.3			G1/100
BL	(0°-30°)	1239.7	4.5	B3/2500		
BM	(30°-60°)	5904.0	21.4	B4/8500		
BH	(60°-80°)	6592.2	23.9	B5		G3/7500
BVH	(80°-90°)	79.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2646.7	2646.7	2646.7	2646.7	2646.7	2646.7	2646.7	2646.7	2646.7	2646.7
2.5°	2659.2	2661.9	2656.4	2653.6	2650.8	2646.7	2648.1	2655.0	2660.5	2659.2
5°	2681.3	2684.1	2680.0	2678.6	2673.0	2671.6	2671.6	2678.6	2682.7	2680.0
7.5°	2706.3	2710.5	2703.5	2702.2	2699.4	2696.6	2695.2	2702.2	2706.3	2706.3
10°	2729.9	2734.1	2728.5	2724.3	2721.6	2721.6	2718.8	2724.3	2731.3	2729.9
12.5°	2754.9	2757.6	2752.1	2749.3	2749.3	2753.5	2749.3	2752.1	2757.6	2754.9
15°	2785.4	2786.8	2785.4	2789.5	2796.5	2810.4	2797.9	2795.1	2797.9	2790.9
17.5°	2827.0	2829.8	2835.3	2845.0	2854.7	2879.7	2857.5	2850.6	2850.6	2836.7
20°	2878.3	2882.5	2890.8	2907.5	2919.9	2943.5	2921.3	2911.6	2907.5	2889.4
22.5°	2932.4	2939.4	2951.8	2974.0	2996.2	3018.4	2996.2	2979.6	2967.1	2943.5
25°	2994.8	3003.2	3022.6	3058.6	3089.2	3121.1	3094.7	3061.4	3036.5	3003.2
27.5°	3083.6	3093.3	3116.9	3161.3	3200.1	3227.9	3202.9	3159.9	3125.2	3085.0
30°	3208.5	3218.2	3245.9	3293.1	3319.4	3337.5	3320.8	3287.5	3245.9	3200.1
32.5°	3369.4	3381.9	3412.4	3456.8	3462.3	3465.1	3459.5	3442.9	3412.4	3356.9
35°	3573.3	3587.2	3621.8	3657.9	3652.3	3657.9	3649.6	3644.0	3621.8	3558.0
37.5°	3823.0	3839.6	3875.7	3903.4	3889.5	3882.6	3884.0	3885.4	3872.9	3802.2
40°	4112.9	4135.1	4161.4	4190.6	4167.0	4146.2	4160.0	4171.1	4160.0	4087.9
42.5°	4411.1	4443.0	4470.8	4512.4	4493.0	4466.6	4486.0	4498.5	4474.9	4397.2
45°	4742.6	4773.2	4809.2	4871.6	4857.8	4830.0	4857.8	4860.5	4820.3	4728.8
47.5°	5085.3	5117.2	5171.3	5254.5	5248.9	5218.4	5254.5	5235.1	5183.8	5074.2
50°	5409.9	5454.2	5537.5	5654.0	5665.1	5627.6	5676.2	5638.7	5552.7	5415.4
52.5°	5715.0	5762.2	5894.0	6052.1	6092.3	6043.8	6109.0	6043.8	5914.8	5738.6
55°	6035.5	6088.2	6244.9	6451.6	6532.1	6496.0	6557.0	6458.5	6275.4	6061.8
57.5°	6412.8	6444.7	6631.9	6877.5	7013.4	7021.7	7049.5	6883.0	6661.1	6418.3
60°	6822.0	6866.4	7070.3	7364.3	7579.3	7648.7	7619.6	7372.7	7114.7	6835.8
62.5°	7346.3	7394.9	7639.0	7991.3	8331.2	8503.2	8389.4	8031.6	7712.5	7378.2
65°	7780.5	7834.6	8275.7	8904.1	9522.7	9868.1	9582.4	8923.5	8349.2	7877.6
67.5°	7465.6	7532.2	8224.4	9378.5	10916.8	11947.5	10969.5	9520.0	8395.0	7755.5
70°	6525.1	6587.5	7394.9	8805.6	11309.4	13567.6	11545.2	9065.0	7421.2	6705.4
72.5°	4332.0	4533.2	5350.2	7042.5	10098.4	12555.0	10198.3	6899.6	4963.2	4322.3
75°	1437.1	1598.0	2155.6	3651.0	6763.7	9389.6	6439.1	3230.7	1707.6	1229.0
77.5°	362.0	417.5	575.7	1044.5	2698.0	5346.0	2428.9	853.1	464.7	324.6
80°	176.2	194.2	277.4	348.2	675.5	1699.2	633.9	327.4	219.2	169.2
82.5°	97.1	98.5	156.7	197.0	251.1	439.7	260.8	191.4	126.2	102.6
85°	59.6	58.3	83.2	105.4	105.4	156.7	124.8	105.4	72.1	63.8
87.5°	23.6	23.6	30.5	33.3	29.1	40.2	31.9	34.7	27.7	26.4
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°
2646.7
2660.5
2681.3
2706.3
2729.9
2753.5
2790.9
2836.7
2889.4
2942.1
3001.8
3083.6
3200.1
3358.3
3558.0
3802.2
4087.9
4402.8
4738.5
5067.2
5412.6
5722.0
6032.7
6385.0
6791.5
7320.0
7799.9
7659.8
6609.7
4182.2
1162.4
289.9
155.4
102.6
66.6
27.7
0.0

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