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: P940130

Luminaire Tested: **GALN-SB3A-760-U-5WQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P940130
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB3A-760-U-5WQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(3) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14403 lumens
Efficiency:	N/A
Efficacy:	170.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	84.7
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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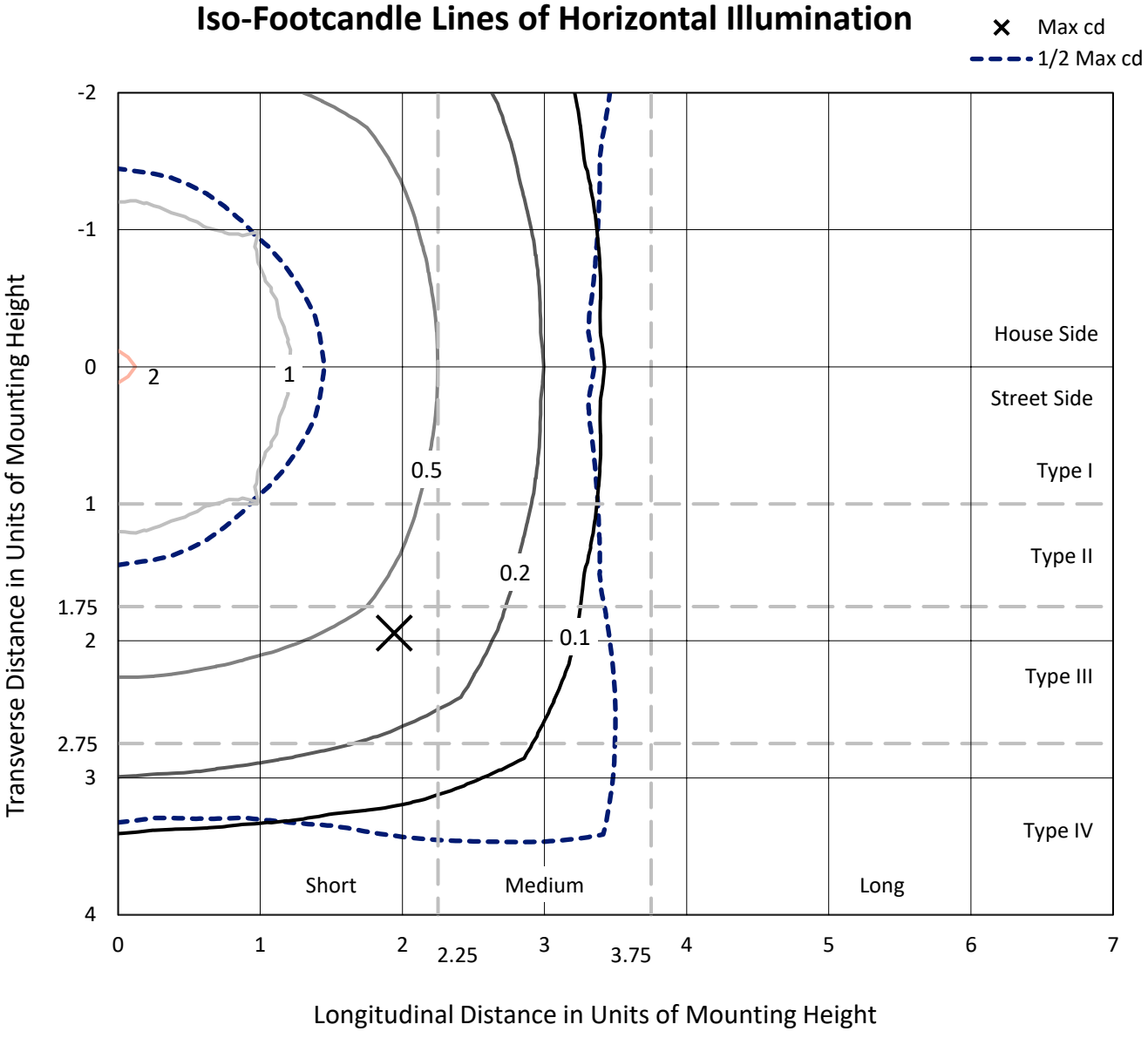
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - N/A

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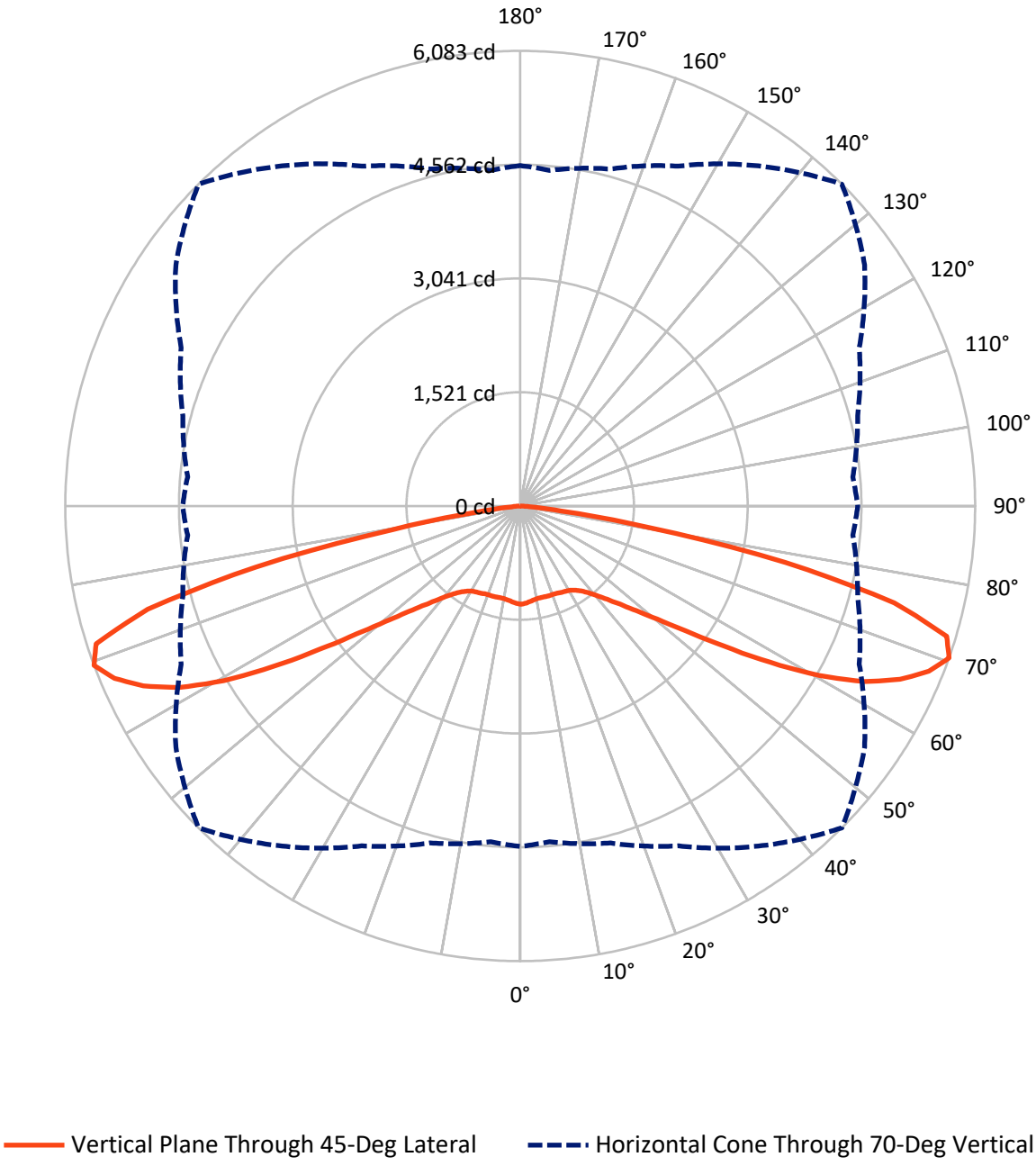
Luminous Intensity Polar Plot



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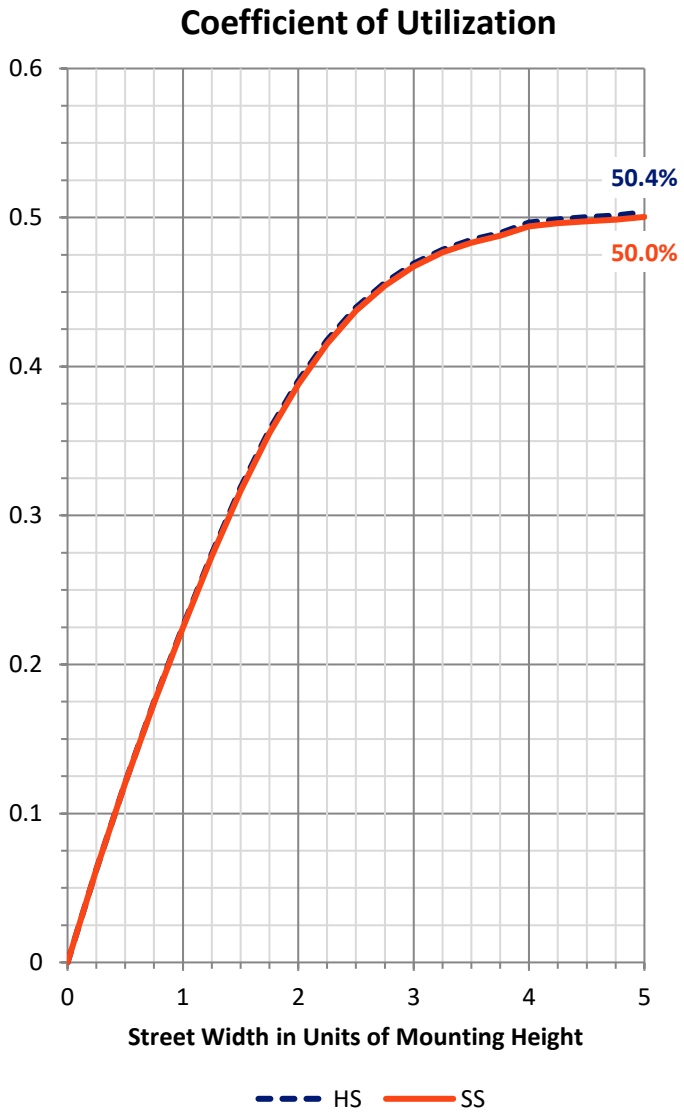
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7201.5	0.0	7201.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7201.5	0.0	7201.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14403.0	0.0	14403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	0.8
10°-20°	358.9	2.5
20°-30°	597.2	4.1
30°-40°	903.1	6.3
40°-50°	1500.8	10.4
50°-60°	2832.0	19.7
60°-70°	4781.9	33.2
70°-80°	3142.2	21.8
80°-90°	164.6	1.1
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°	14403.0	100.0
0°-180°	14403.0	100.0



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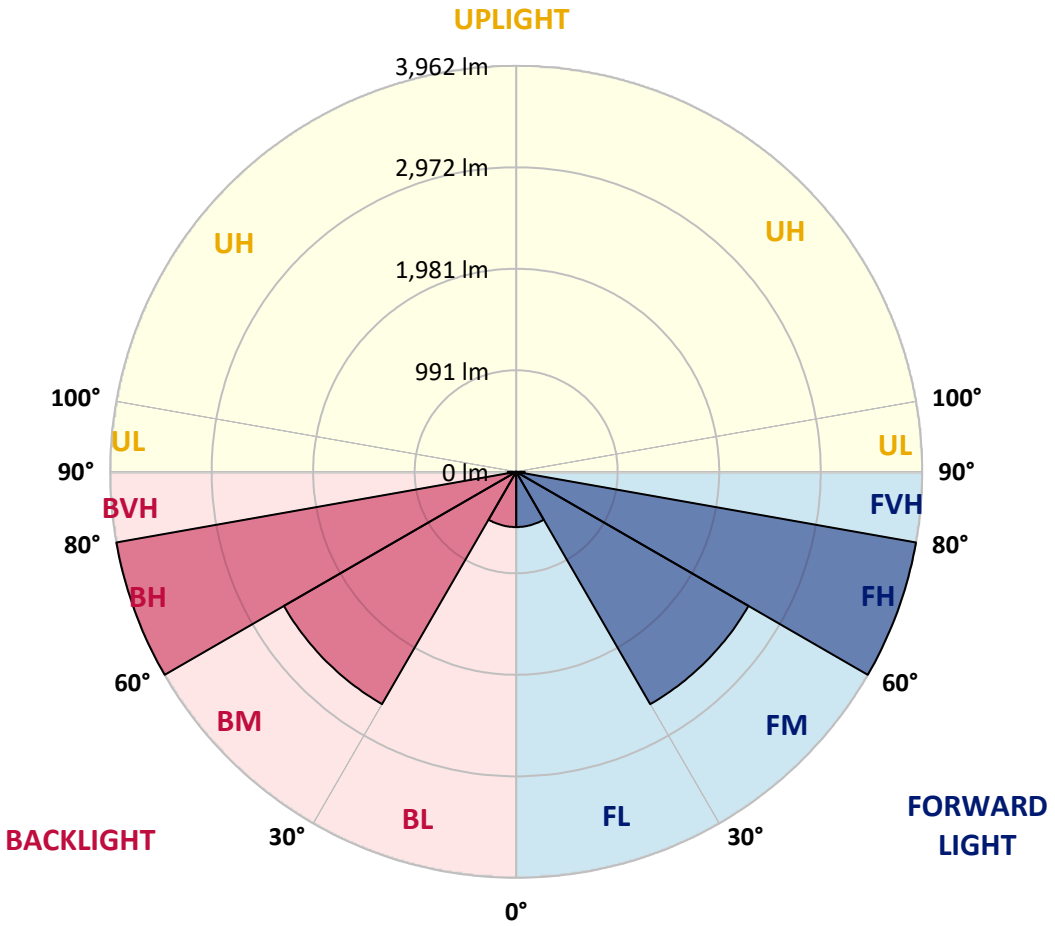
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	539.1	3.7			
FM	(30°-60°)	2618.0	18.2			
FH	(60°-80°)	3962.1	27.5			G2/5000
FVH	(80°-90°)	82.3	0.6			G1/100
BL	(0°-30°)	539.1	3.7	B2/1000		
BM	(30°-60°)	2618.0	18.2	B3/5000		
BH	(60°-80°)	3962.1	27.5	B4/5000		G2/5000
BVH	(80°-90°)	82.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1313.8	1313.8	1313.8	1313.8	1313.8	*1313.8*	1313.8	1313.8	1313.8	1313.8
2.5°	1305.6	1309.4	1307.9	1304.9	1304.9	*1302.6*	1304.9	1306.4	1308.6	1310.1
5°	1288.4	1291.4	1290.6	1288.4	1289.1	*1286.9*	1288.4	1290.6	1292.1	1292.9
7.5°	1273.4	1276.4	1274.9	1271.2	1271.2	*1268.9*	1269.7	1271.9	1274.2	1274.9
10°	1269.7	1272.7	1268.2	1262.2	1259.9	*1256.9*	1257.7	1259.9	1264.4	1266.7
12.5°	1271.2	1273.4	1268.9	1259.9	1257.7	*1254.7*	1254.7	1256.9	1262.9	1265.9
15°	1275.7	1277.9	1271.2	1261.4	1259.2	*1256.9*	1256.2	1259.2	1265.9	1271.2
17.5°	1283.9	1286.1	1275.7	1262.2	1259.2	*1259.9*	1259.2	1261.4	1271.9	1281.7
20°	1291.4	1292.9	1278.7	1262.2	1259.2	*1259.9*	1259.2	1263.7	1277.2	1290.6
22.5°	1293.6	1295.1	1281.7	1267.4	1265.2	*1265.9*	1265.2	1269.7	1282.4	1295.9
25°	1294.4	1296.6	1286.1	1274.9	1278.7	*1280.2*	1278.7	1279.4	1289.1	1301.1
27.5°	1305.6	1308.6	1298.9	1289.1	1291.4	*1290.6*	1292.9	1295.1	1302.6	1314.6
30°	1328.8	1331.1	1322.8	1313.1	1311.6	*1306.4*	1313.1	1320.6	1328.8	1339.3
32.5°	1367.0	1371.5	1361.0	1350.5	1343.8	*1340.8*	1346.0	1358.8	1370.0	1381.2
35°	1430.6	1433.6	1423.9	1404.4	1392.4	*1392.4*	1396.9	1413.4	1431.4	1445.6
37.5°	1520.5	1524.2	1507.0	1483.8	1465.8	*1465.8*	1471.8	1489.0	1516.0	1536.2
40°	1629.8	1635.0	1613.3	1589.3	1572.1	*1569.1*	1576.6	1596.1	1621.5	1647.0
42.5°	1761.5	1767.5	1739.1	1718.1	1704.6	*1704.6*	1708.4	1726.3	1749.5	1781.0
45°	1930.0	1940.4	1901.5	1880.6	1867.8	*1870.8*	1873.1	1888.8	1909.8	1945.7
47.5°	2130.6	2141.1	2099.9	2078.2	2075.9	*2090.2*	2081.2	2092.4	2103.6	2144.8
50°	2358.2	2376.1	2347.7	2346.2	2350.7	*2376.9*	2355.9	2361.9	2349.2	2375.4
52.5°	2636.7	2662.9	2657.6	2666.6	2716.8	*2770.7*	2722.8	2701.8	2653.9	2662.1
55°	2974.3	3014.0	3021.5	3075.4	3189.2	*3299.2*	3197.4	3112.8	3011.0	2992.3
57.5°	3358.3	3389.8	3425.7	3535.8	3748.4	*3943.8*	3748.4	3561.2	3401.0	3362.8
60°	3771.6	3810.5	3845.0	4007.4	4323.3	*4598.1*	4317.3	4020.1	3808.3	3756.6
62.5°	4215.5	4265.7	4289.6	4470.1	4838.4	*5166.3*	4843.6	4483.5	4248.5	4193.1
65°	4641.5	4682.7	4709.6	4902.0	5253.9	*5582.5*	5277.8	4923.0	4681.2	4608.6
67.5°	4839.9	4862.3	4928.2	5146.1	5517.4	*5892.5*	5580.3	5169.3	4899.0	4771.8
70°	*4549.4*	*4503.8*	*4662.5*	*5011.3*	*5548.8*	*6082.6*	*5620.7*	*5000.8*	*4669.9*	*4463.3*
72.5°	3515.6	3437.0	3712.5	4309.1	5189.5	*5961.3*	5225.4	4342.8	3883.9	3464.7
75°	1912.7	1823.7	2204.0	2958.6	4138.4	*5167.0*	4233.5	3043.2	2454.0	1898.5
77.5°	539.8	506.1	813.0	1431.4	2489.2	*3627.9*	2585.0	1462.8	964.2	572.0
80°	165.4	160.2	217.1	431.2	1057.1	*1737.6*	1015.9	436.5	276.2	174.4
82.5°	98.1	89.8	107.8	157.2	269.5	*545.8*	262.0	163.9	131.8	88.3
85°	56.1	52.4	63.6	76.4	90.6	*116.0*	75.6	77.9	70.4	47.2
87.5°	23.2	21.0	24.7	24.0	21.0	*27.0*	20.2	24.0	28.4	18.7
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°
1313.8
1309.4
1292.9
1274.9
1266.7
1266.7
1271.9
1281.7
1291.4
1295.9
1300.4
1311.6
1337.1
1376.7
1440.4
1528.7
1638.7
1778.7
1944.2
2132.8
2359.7
2634.4
2963.1
3335.9
3711.7
4148.2
4572.6
4773.3
4512.7
3568.7
2022.0
635.6
184.2
95.8
49.4
17.2
0.0

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