

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: P951659

Luminaire Tested: **GALN-SB5D-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951659
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-SB5D-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

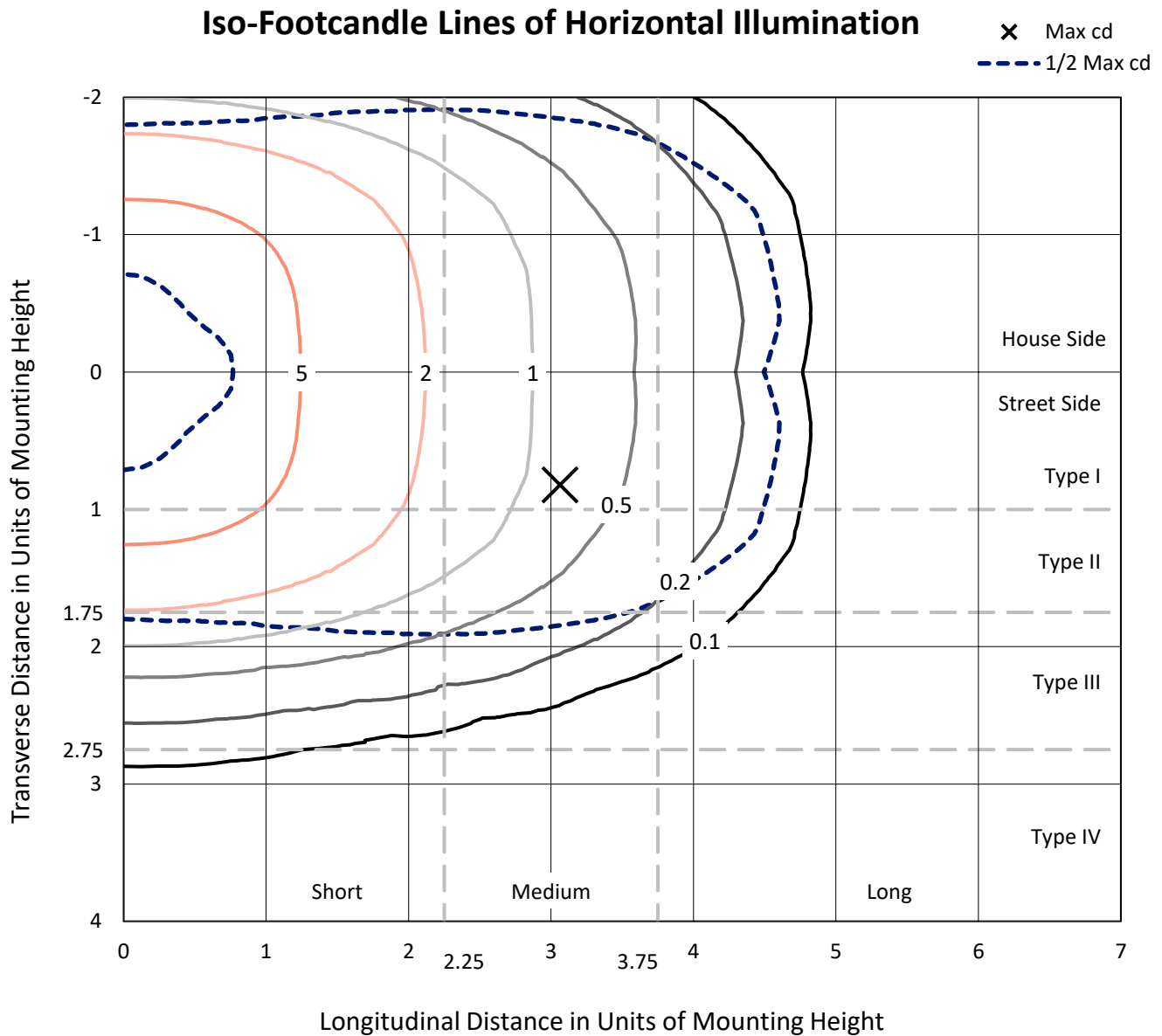
Lumens per Lamp: N/A
Luminaire Lumens: 52933 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 364.9
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



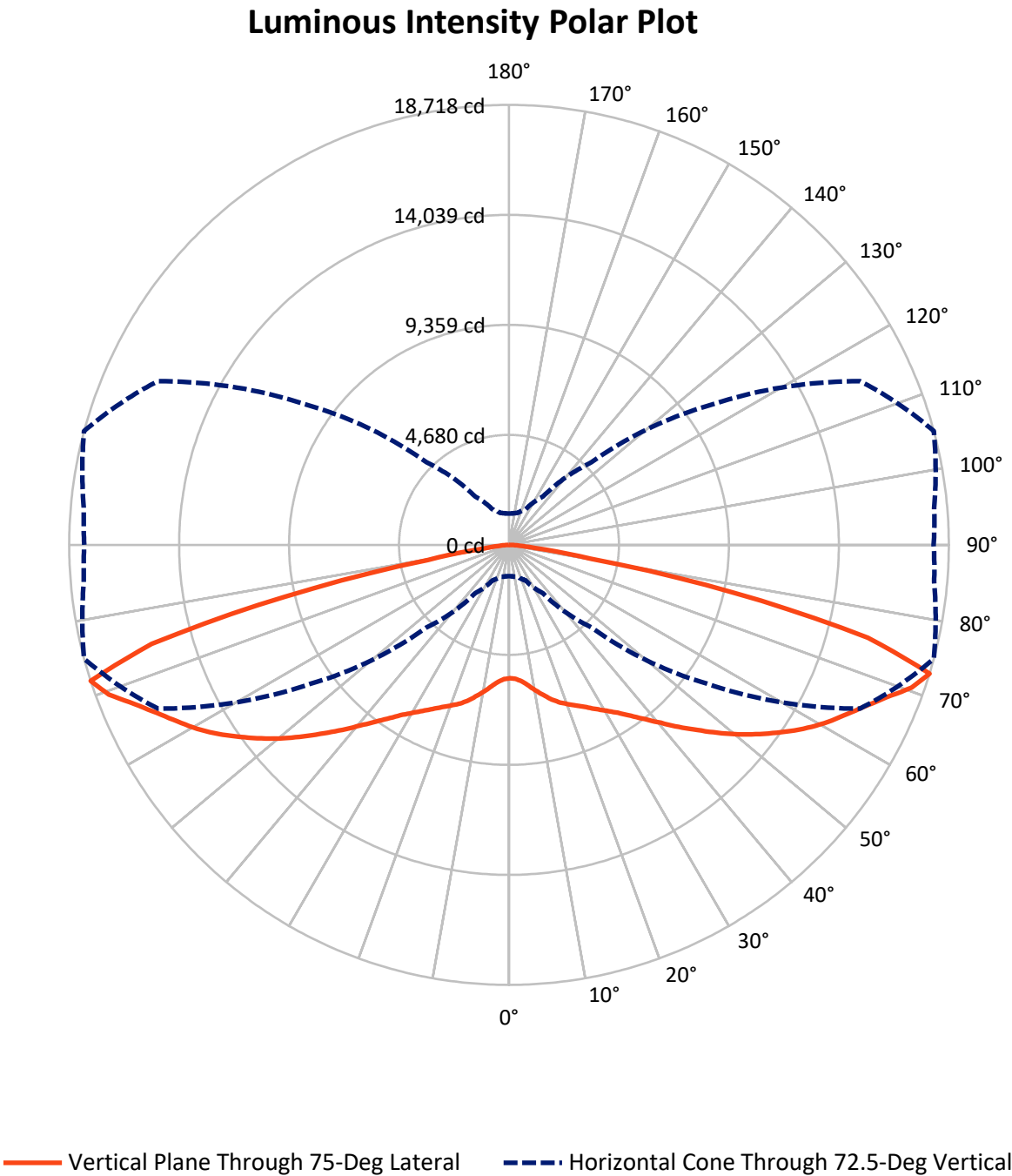
REPORT NUMBER: P951659

CATALOG NUMBER: GALN-SB5D-730-U-RW



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type III - Medium - N/A

REPORT NUMBER: P951659
CATALOG NUMBER: GALN-SB5D-730-U-RW



REPORT NUMBER: P951659

CATALOG NUMBER: GALN-SB5D-730-U-RW

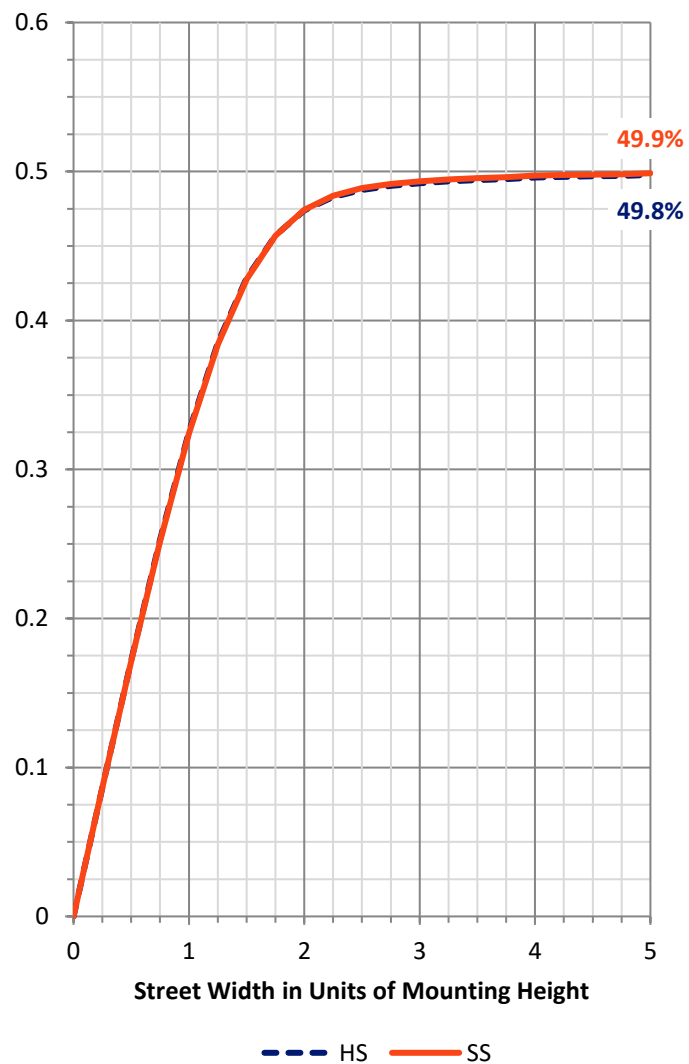
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26466.5	0.0	26466.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26466.5	0.0	26466.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52933.0	0.0	52933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.4	1.0
10°-20°	1831.9	3.5
20°-30°	3539.8	6.7
30°-40°	5977.2	11.3
40°-50°	9479.2	17.9
50°-60°	12691.5	24.0
60°-70°	12078.2	22.8
70°-80°	6302.6	11.9
80°-90°	477.1	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°	52933.0	100.0
0°-180°	52933.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951659

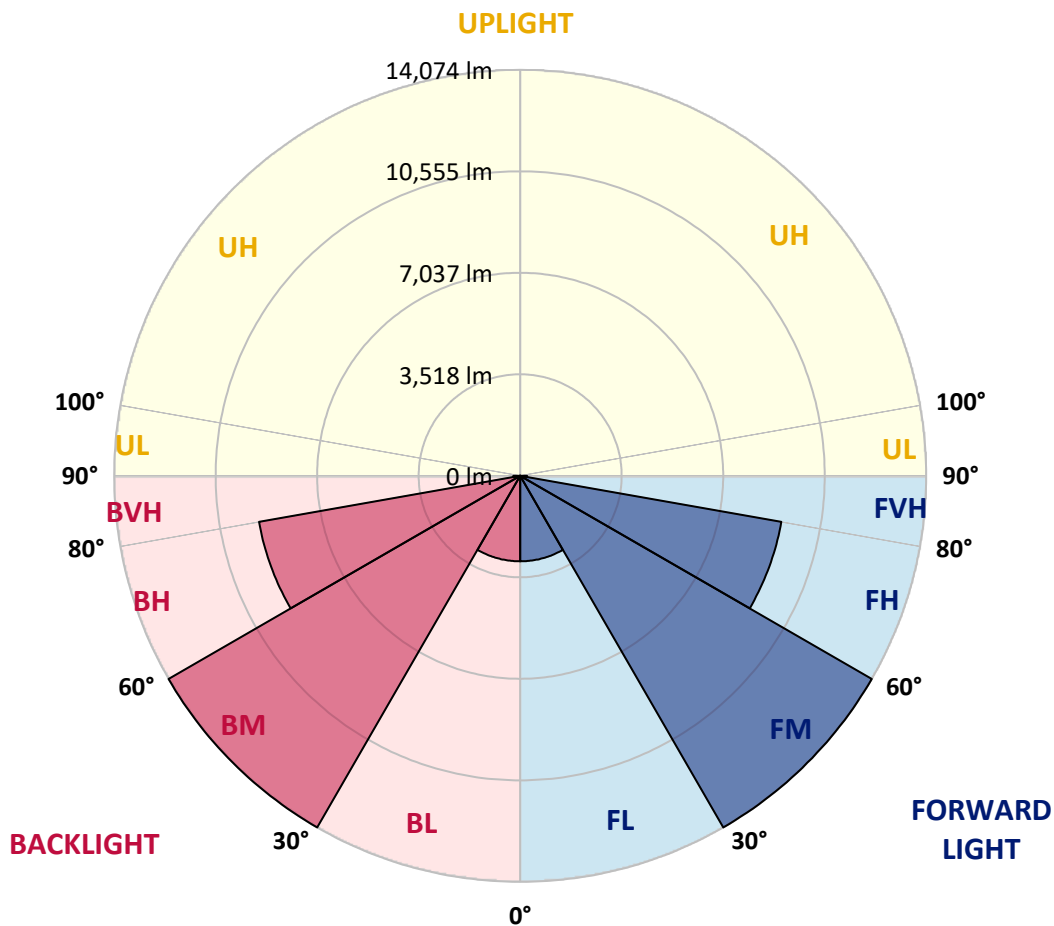
CATALOG NUMBER: GALN-SB5D-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2963.6	5.6			
FM	(30°-60°)	14073.9	26.6			
FH	(60°-80°)	9190.4	17.4			G4/12000
FVH	(80°-90°)	238.5	0.5			G3/500
BL	(0°-30°)	2963.6	5.6	B4/5000		
BM	(30°-60°)	14073.9	26.6	B5		
BH	(60°-80°)	9190.4	17.4	B5		G5
BVH	(80°-90°)	238.5	0.5			G3/500
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



REPORT NUMBER: P951659

CATALOG NUMBER: GALN-SB5D-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1
2.5°	5670.1	5664.7	5670.1	5675.5	5672.8	5672.8	5686.3	5694.4	5710.6	5707.9	5705.2
5°	5632.2	5629.5	5651.2	5675.5	5694.4	5726.8	5767.4	5797.1	5834.9	5843.0	5843.0
7.5°	5613.3	5605.2	5643.0	5686.3	5745.7	5826.8	5905.2	5986.3	6051.1	6072.8	6078.2
10°	5626.8	5629.5	5680.9	5762.0	5856.6	5970.1	6080.9	6218.7	6310.6	6332.2	6353.8
12.5°	5689.0	5683.6	5770.1	5899.8	6029.5	6172.8	6302.5	6453.8	6553.8	6605.2	6626.8
15°	5802.5	5791.7	5913.3	6105.2	6294.4	6461.9	6567.3	6710.6	6826.8	6891.7	6916.0
17.5°	5937.6	5943.0	6102.5	6351.1	6599.8	6789.0	6888.9	6961.9	7051.1	7107.9	7134.9
20°	6175.5	6186.3	6364.6	6659.2	6943.0	7159.2	7240.3	7213.3	7237.6	7280.8	7313.3
22.5°	6494.4	6499.8	6699.8	7018.7	7316.0	7553.8	7607.8	7497.0	7429.5	7459.2	7480.8
25°	6864.6	6899.8	7099.8	7426.8	7732.2	7959.2	7983.5	7815.9	7648.4	7656.5	7670.0
27.5°	7316.0	7348.4	7551.1	7875.4	8186.2	8383.5	8380.8	8156.5	7910.5	7848.4	7867.3
30°	7805.1	7840.3	8048.4	8383.5	8672.7	8845.6	8807.8	8540.2	8188.9	8072.7	8086.2
32.5°	8386.2	8407.8	8618.6	8953.7	9221.3	9359.1	9280.8	8951.0	8513.2	8380.8	8413.2
35°	9088.9	9121.3	9278.1	9594.3	9829.4	9942.9	9810.5	9421.3	8929.4	8780.8	8802.4
37.5°	9891.5	9869.9	10048.3	10329.4	10524.0	10594.2	10413.1	9951.0	9405.1	9229.4	9261.8
40°	10729.4	10718.5	10913.1	11183.4	11288.8	11332.0	11064.5	10559.1	9953.7	9764.5	9826.7
42.5°	11488.8	11480.7	11742.8	12042.8	12169.8	12121.2	11783.4	11205.0	10588.8	10372.6	10426.7
45°	12096.9	12086.1	12407.7	12829.3	13077.9	12996.8	12542.8	11918.5	11232.0	11007.7	11059.1
47.5°	12564.4	12569.8	12915.8	13437.4	13872.5	13902.2	13318.5	12645.5	11940.1	11686.1	11761.8
50°	12902.3	12918.5	13288.7	13867.1	14461.7	14723.8	14110.3	13391.4	12672.5	12386.1	12472.5
52.5°	12986.0	13015.8	13461.7	14140.0	14840.0	15340.0	14915.7	14107.6	13367.1	13094.1	13164.4
55°	12540.1	12599.6	13164.4	14118.4	15072.4	15745.4	15623.8	14834.6	14067.1	13786.0	13864.4
57.5°	11515.8	11599.6	12259.0	13504.9	15021.1	16023.8	16172.4	15531.9	14767.1	14496.8	14559.0
60°	10080.7	10180.7	10813.1	12172.5	14296.8	16126.5	16558.9	16210.2	15410.3	15148.1	15204.9
62.5°	7915.9	8045.7	8802.4	10396.9	12767.1	15648.1	16888.6	16823.7	15988.6	15661.6	15699.5
65°	5078.2	5216.0	6013.3	7897.0	10726.7	14183.3	16991.3	17421.0	16599.4	16142.7	16199.4
67.5°	3062.1	3124.2	3518.8	4786.3	7840.3	11975.3	16121.1	18083.2	17312.9	16745.4	16788.6
70°	1959.4	1994.5	2229.7	2810.7	4432.3	8737.5	13964.4	18207.5	18177.7	17364.3	17358.9
72.5°	1329.7	1340.5	1402.7	1664.8	2508.0	4964.7	10299.6	16483.2	18718.3	18161.5	18075.0
75°	972.9	1032.4	1132.4	1178.3	1424.3	2481.0	5902.5	11580.7	15775.1	16018.4	15429.2
77.5°	724.3	727.0	864.8	918.9	1016.2	1321.6	2497.2	6464.6	9794.3	10283.4	9172.7
80°	613.5	581.1	578.4	740.5	764.8	824.3	1116.2	2232.4	3508.0	2127.0	1608.1
82.5°	510.8	475.7	429.7	578.4	521.6	505.4	483.8	908.1	1116.2	548.6	467.6
85°	356.7	340.5	324.3	378.4	297.3	254.0	232.4	424.3	470.3	232.4	205.4
87.5°	154.0	159.5	162.2	167.6	124.3	89.2	89.2	118.9	118.9	91.9	67.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)