

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: P528100

Luminaire Tested: **GALN-SA3A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

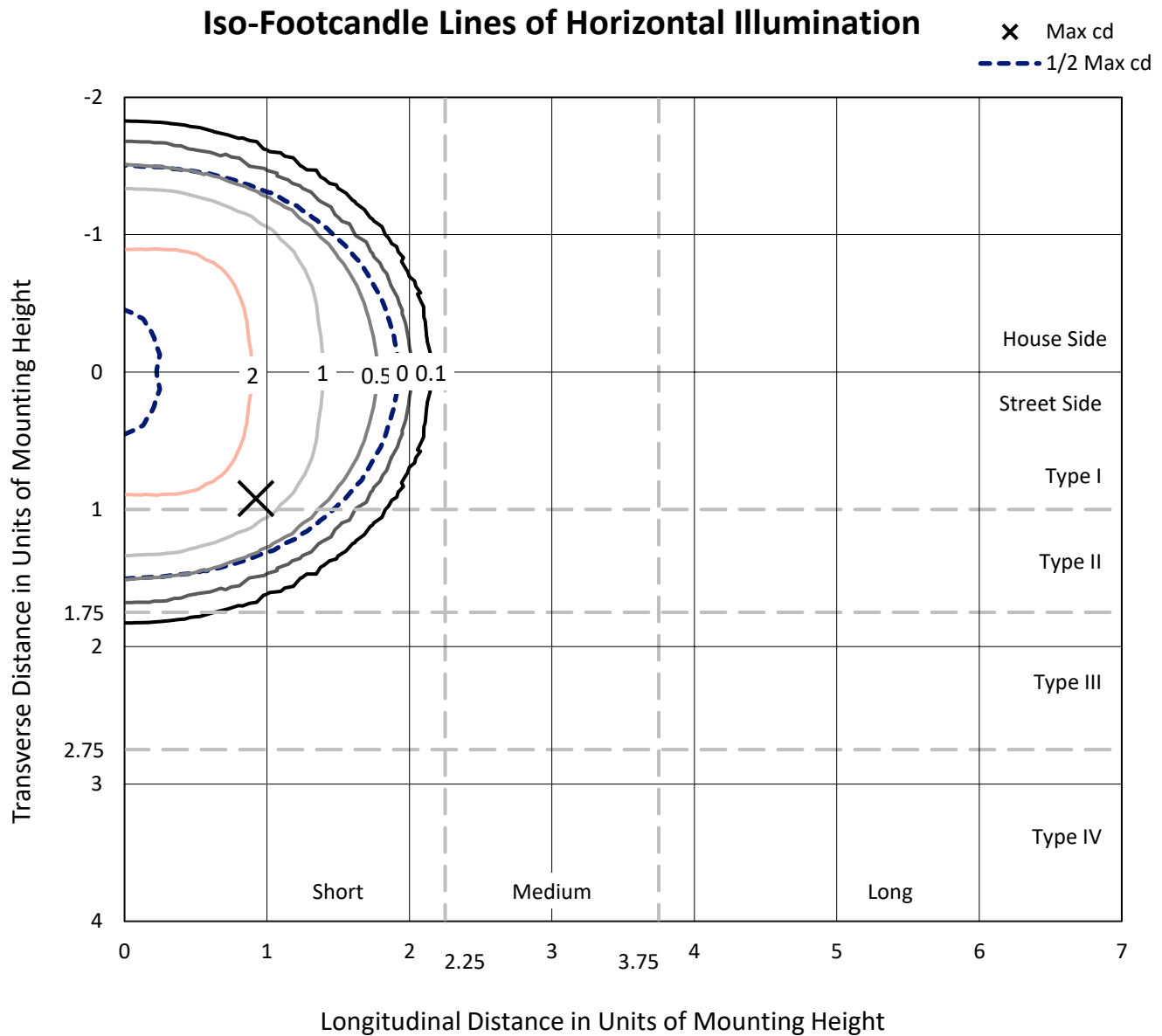
Lumens per Lamp: N/A
Luminaire Lumens: 9506 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 93
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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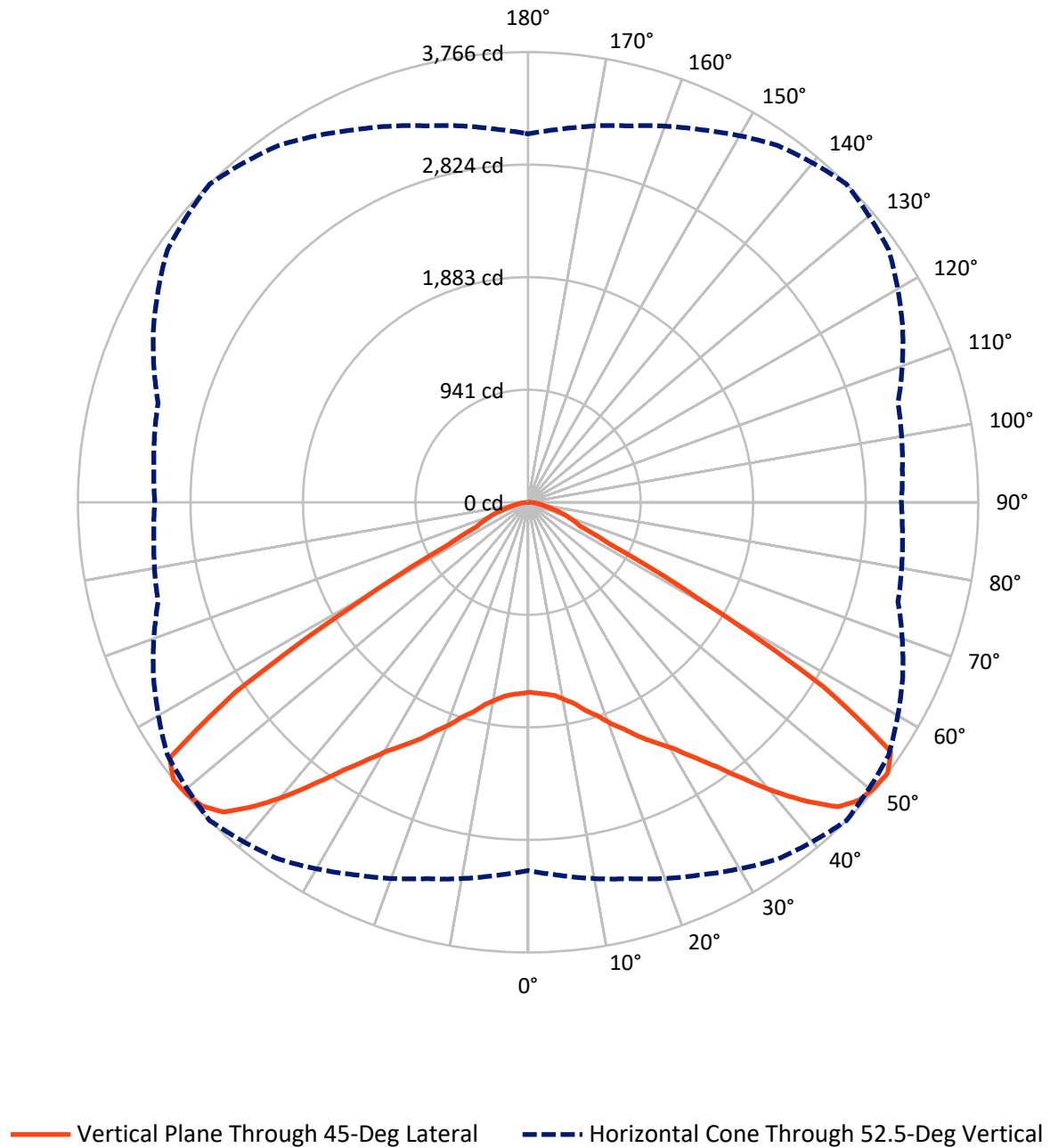
CATALOG NUMBER: GALN-SA3A-830-U-RW-GRSWH



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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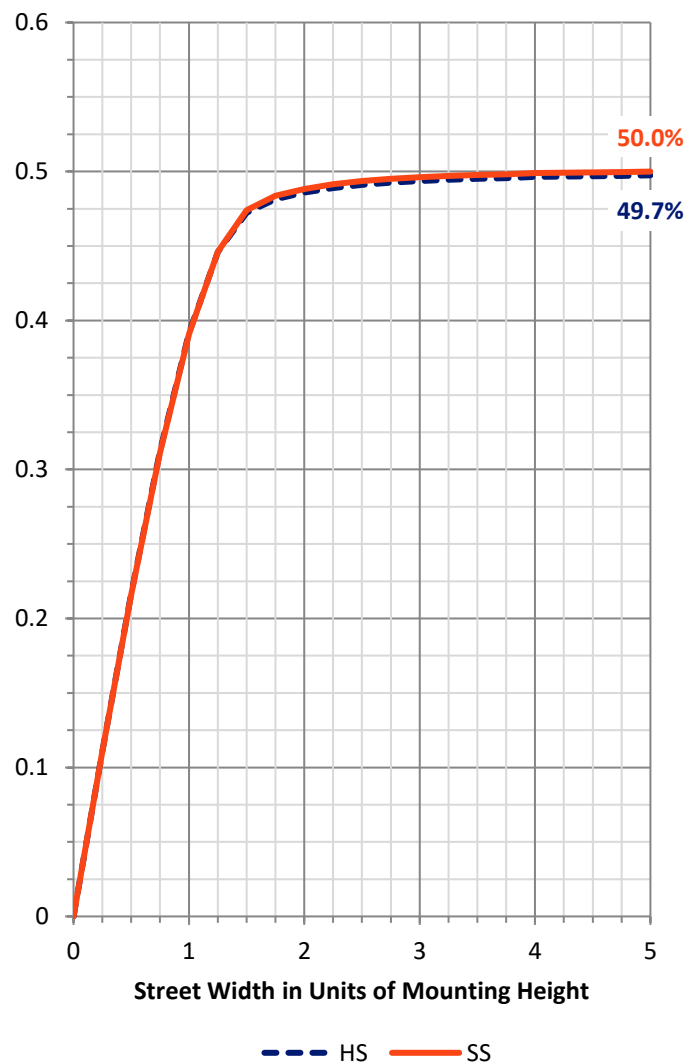
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4753.0	0.0	4753.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4753.0	0.0	4753.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9506.0	0.0	9506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	1.6
10°-20°	513.0	5.4
20°-30°	976.7	10.3
30°-40°	1677.0	17.6
40°-50°	2577.6	27.1
50°-60°	2617.5	27.5
60°-70°	729.5	7.7
70°-80°	215.2	2.3
80°-90°	43.3	0.5
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°	9506.0	100.0
0°-180°	9506.0	100.0

Coefficient of Utilization



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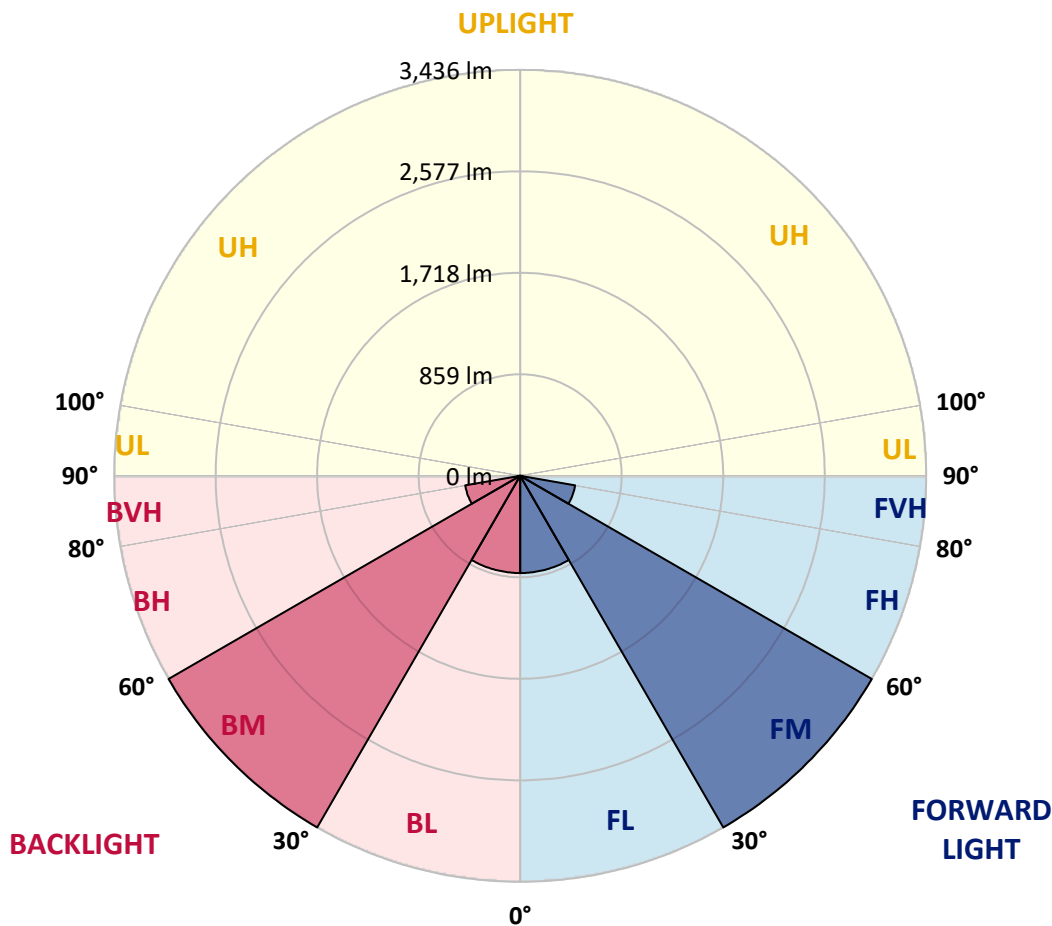
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	822.9	8.7			
FM	(30°-60°)	3436.1	36.1			
FH	(60°-80°)	472.3	5.0			G0/660
FVH	(80°-90°)	21.7	0.2			G1/100
BL	(0°-30°)	822.9	8.7	B2/1000		
BM	(30°-60°)	3436.1	36.1	B3/5000		
BH	(60°-80°)	472.3	5.0	B1/500		G0/660
BVH	(80°-90°)	21.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1589.1	1589.1	1589.1	1589.1	1589.1	1589.1	1589.1	1589.1	1589.1	1589.1	1589.1
2.5°	1592.6	1576.1	1582.0	1585.5	1600.9	1599.7	1596.1	1600.9	1605.6	1606.7	1604.4
5°	1591.4	1579.6	1584.3	1587.9	1603.2	1611.5	1609.1	1629.2	1643.3	1639.8	1657.5
7.5°	1582.0	1589.1	1583.2	1600.9	1613.8	1633.9	1655.1	1674.0	1691.7	1711.7	1715.3
10°	1603.2	1603.2	1613.8	1628.0	1662.2	1677.5	1708.2	1735.3	1769.5	1793.1	1783.7
12.5°	1625.6	1629.2	1629.2	1665.7	1694.0	1728.3	1756.6	1793.1	1841.5	1869.8	1884.0
15°	1648.0	1650.4	1662.2	1711.7	1754.2	1808.5	1834.4	1867.5	1894.6	1947.7	1948.9
17.5°	1668.1	1681.1	1716.5	1771.9	1825.0	1876.9	1918.2	1952.4	1976.0	1997.2	1992.5
20°	1743.6	1753.0	1789.6	1845.0	1924.1	1974.8	1989.0	1994.9	2010.2	2052.7	2039.7
22.5°	1816.7	1820.3	1854.5	1939.4	1994.9	2062.1	2077.4	2073.9	2079.8	2090.4	2109.3
25°	1892.2	1898.1	1945.3	2017.3	2095.1	2175.4	2188.3	2161.2	2152.9	2164.7	2165.9
27.5°	1989.0	1990.2	2050.3	2112.8	2201.3	2276.8	2296.9	2275.6	2236.7	2246.1	2261.5
30°	2111.7	2103.4	2163.6	2253.2	2346.4	2388.9	2423.1	2412.5	2370.0	2361.8	2348.8
32.5°	2253.2	2255.6	2309.8	2407.8	2469.1	2539.9	2576.5	2558.8	2531.6	2517.5	2525.7
35°	2452.6	2463.2	2499.8	2581.2	2680.3	2715.7	2773.5	2735.7	2664.9	2682.6	2698.0
37.5°	2616.6	2647.2	2715.7	2812.4	2871.4	2936.3	2957.5	2906.8	2854.9	2833.6	2884.4
40°	2867.8	2858.4	2933.9	3030.6	3117.9	3182.8	3155.7	3105.0	2976.4	2977.6	2991.7
42.5°	3083.7	3088.4	3146.3	3261.9	3381.0	3421.1	3335.0	3211.1	3068.4	3053.1	3083.7
45°	3265.4	3284.3	3317.3	3471.9	3588.6	3632.3	3473.0	3326.7	3135.6	3071.9	3122.7
47.5°	3330.3	3361.0	3432.9	3574.5	3690.1	3725.5	3598.1	3388.1	3198.2	3094.3	3121.5
50°	3339.7	3329.1	3447.1	3576.8	3678.3	3755.0	3642.9	3432.9	3182.8	3128.6	3120.3
52.5°	3081.4	3133.3	3259.5	3437.6	3642.9	3765.6	3683.0	3457.7	3204.1	3142.7	3122.7
55°	2493.9	2432.5	2662.6	2962.2	3339.7	3680.7	3668.9	3470.7	3217.0	3166.3	3139.2
57.5°	1392.0	1409.7	1539.5	1865.1	2352.3	2918.6	3261.9	3333.8	3211.1	3181.6	3195.8
60°	644.1	650.0	705.5	857.6	1159.6	1655.1	2106.9	2565.8	2777.0	2819.5	2819.5
62.5°	480.1	477.8	491.9	519.1	582.8	760.9	1015.7	1380.2	1670.5	1873.4	1926.4
65°	434.1	432.9	440.0	449.5	454.2	479.0	535.6	647.7	742.0	796.3	786.9
67.5°	379.9	378.7	381.0	386.9	395.2	408.2	422.3	445.9	479.0	476.6	470.7
70°	306.7	306.7	310.3	315.0	324.4	339.8	356.3	372.8	401.1	407.0	405.8
72.5°	226.5	223.0	230.0	239.5	248.9	267.8	285.5	300.8	320.9	326.8	324.4
75°	143.9	146.3	151.0	161.6	178.1	191.1	210.0	223.0	235.9	240.7	241.8
77.5°	80.2	82.6	90.8	103.8	120.3	134.5	151.0	161.6	169.9	171.1	172.2
80°	48.4	49.5	57.8	69.6	83.8	99.1	112.1	122.7	129.8	126.2	125.0
82.5°	29.5	30.7	37.8	48.4	60.2	72.0	86.1	95.6	102.6	97.9	93.2
85°	15.3	16.5	22.4	29.5	38.9	44.8	44.8	40.1	38.9	36.6	35.4
87.5°	4.7	4.7	5.9	7.1	5.9	7.1	8.3	9.4	9.4	10.6	9.4
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)