

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: P530745

Luminaire Tested: **GALN-SA6A-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16966 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

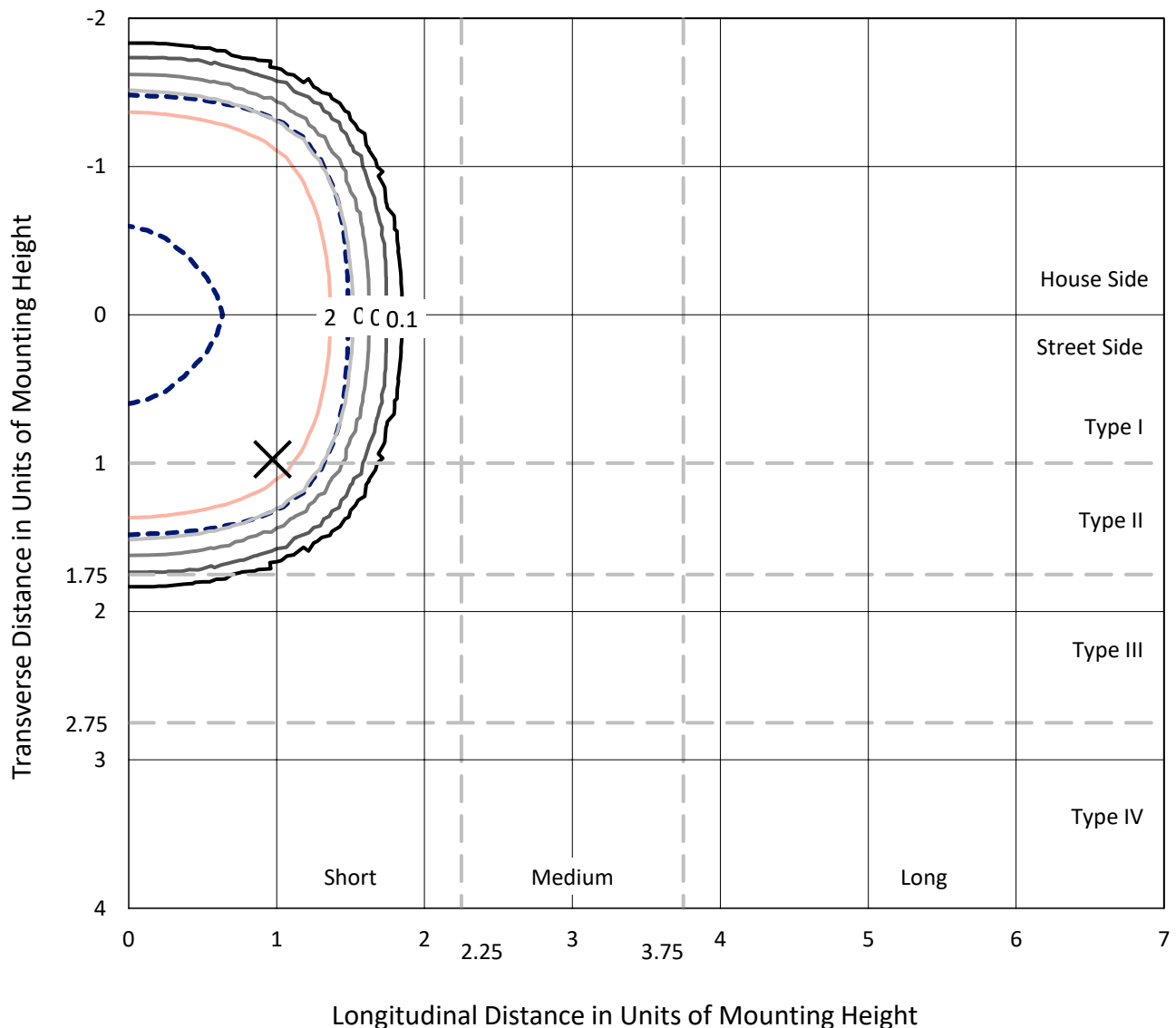
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

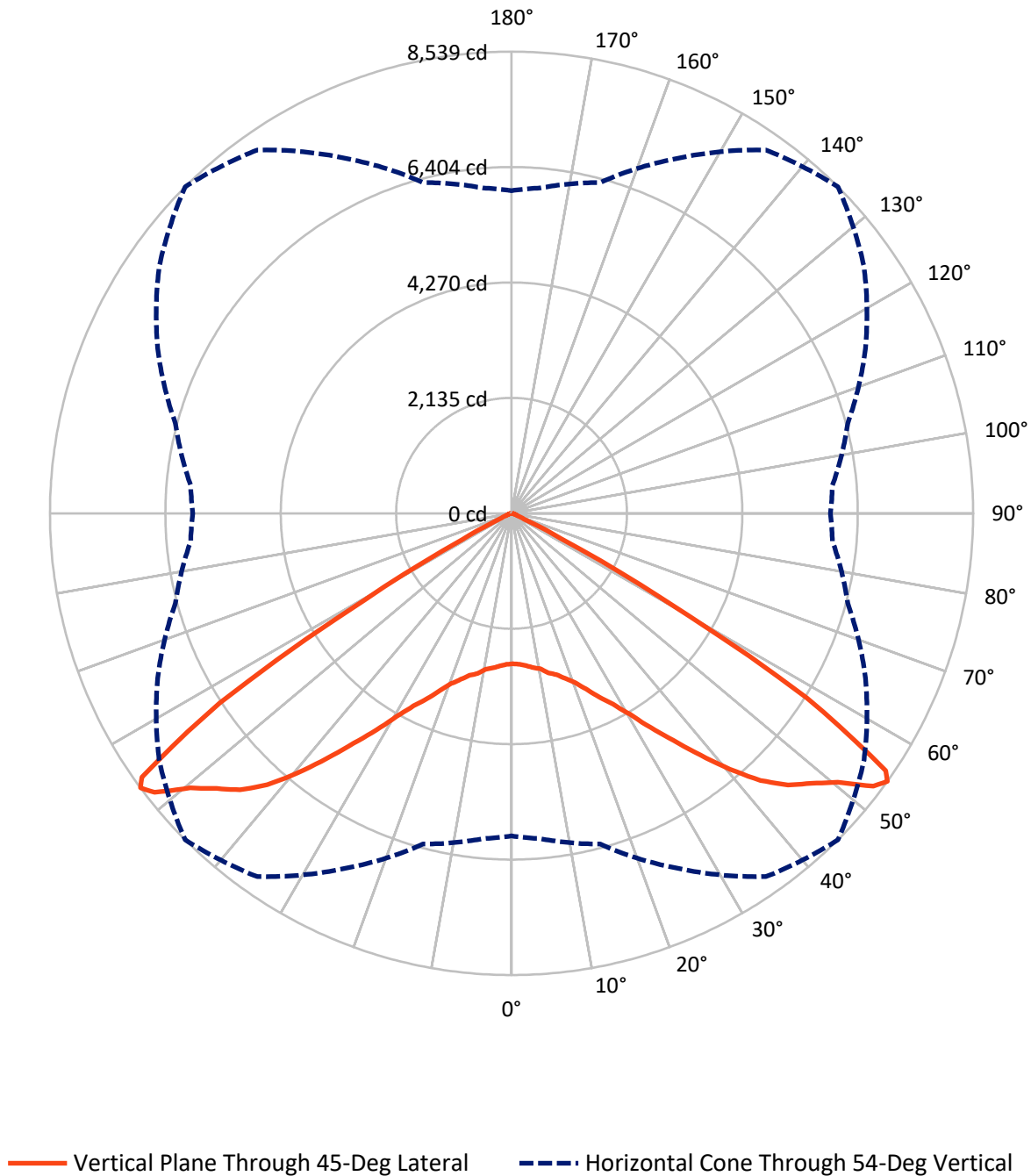
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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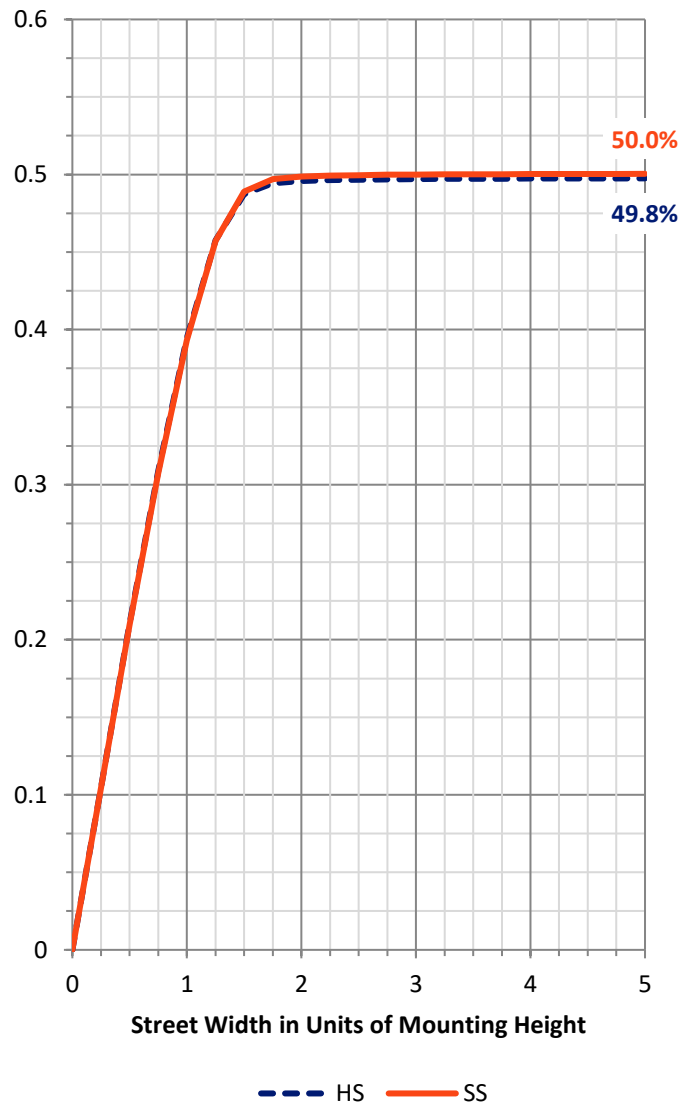
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8483.0	0.0	8483.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8483.0	0.0	8483.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16966.0	0.0	16966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	1.6
10°-20°	881.7	5.2
20°-30°	1728.2	10.2
30°-40°	3107.6	18.3
40°-50°	5319.7	31.4
50°-60°	5147.3	30.3
60°-70°	440.6	2.6
70°-80°	52.2	0.3
80°-90°	16.4	0.1
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°	16966.0	100.0
0°-180°	16966.0	100.0

Coefficient of Utilization



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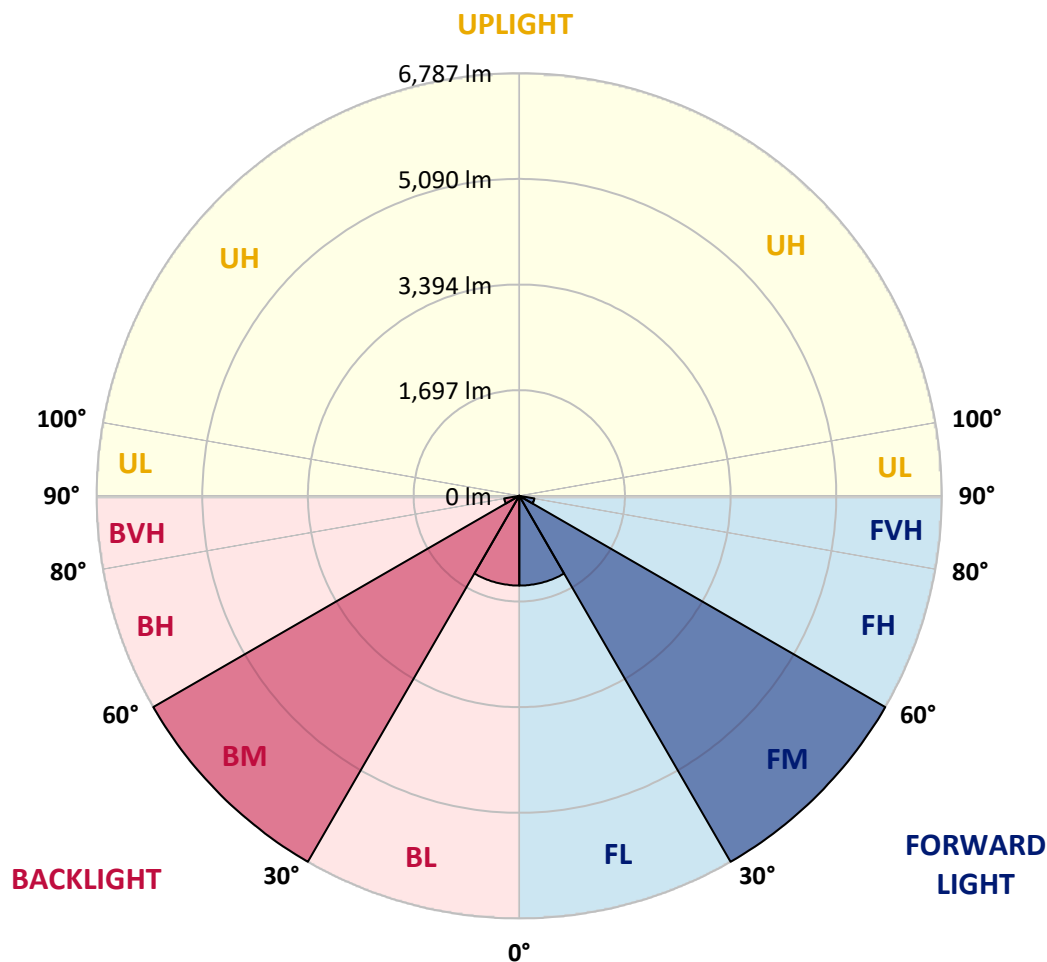
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1441.1	8.5			
FM	(30°-60°)	6787.3	40.0			
FH	(60°-80°)	246.4	1.5			G0/660
FVH	(80°-90°)	8.2	0.0			G0/10
BL	(0°-30°)	1441.1	8.5	B3/2500		
BM	(30°-60°)	6787.3	40.0	B4/8500		
BH	(60°-80°)	246.4	1.5	B1/500		G0/660
BVH	(80°-90°)	8.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2795.3	2811.5	2800.7	2808.8	2808.8	2795.3	2803.4	2771.1	2792.6	2776.5	2779.2
5°	2838.3	2835.7	2835.7	2838.3	2827.6	2833.0	2822.2	2811.5	2803.4	2792.6	2824.9
7.5°	2892.1	2892.1	2873.3	2878.7	2873.3	2881.3	2859.8	2838.3	2830.3	2822.2	2816.8
10°	2943.2	2937.8	2929.7	2953.9	2935.1	2924.3	2913.6	2900.2	2870.6	2859.8	2849.1
12.5°	3018.4	3015.7	3005.0	3029.2	3018.4	3029.2	2988.9	2953.9	2948.5	2913.6	2932.4
15°	3107.1	3131.3	3112.5	3112.5	3107.1	3093.7	3077.6	3061.4	3013.0	2999.6	3002.3
17.5°	3222.7	3214.6	3217.3	3217.3	3244.2	3209.3	3177.0	3136.7	3112.5	3104.4	3077.6
20°	3332.9	3343.7	3341.0	3359.8	3375.9	3338.3	3303.3	3298.0	3230.8	3241.5	3203.9
22.5°	3526.4	3518.4	3531.8	3545.2	3534.5	3529.1	3496.9	3456.5	3397.4	3370.5	3365.2
25°	3730.7	3717.3	3693.1	3725.3	3741.4	3765.6	3703.8	3682.3	3590.9	3550.6	3553.3
27.5°	3905.4	3924.2	3951.1	3964.5	4004.9	3996.8	3953.8	3883.9	3814.0	3768.3	3738.8
30°	4144.6	4155.4	4201.1	4219.9	4289.8	4308.6	4241.4	4160.7	4037.1	3978.0	3943.0
32.5°	4365.0	4440.3	4437.6	4531.7	4644.6	4722.5	4601.6	4477.9	4354.3	4284.4	4222.6
35°	4722.5	4709.1	4787.0	4886.5	5069.2	5157.9	5026.2	4883.8	4695.6	4582.7	4534.4
37.5°	5055.8	5061.2	5166.0	5324.6	5534.2	5671.3	5555.7	5321.9	5128.4	4983.2	4916.0
40°	5539.6	5550.4	5657.9	5837.9	6074.5	6222.3	6087.9	5851.4	5593.4	5480.5	5480.5
42.5°	6106.7	6152.4	6222.3	6378.2	6590.5	6754.5	6633.5	6448.1	6187.4	6042.2	6063.7
45°	6690.0	6711.5	6757.2	6988.3	7087.8	7168.4	7055.5	6969.5	6794.8	6617.4	6587.9
47.5°	7235.6	7243.7	7378.1	7450.6	7528.6	7461.4	7534.0	7421.1	7224.9	7052.8	7017.9
50°	7477.5	7464.1	7654.9	7875.3	7934.4	7816.2	7754.4	7679.1	7380.8	7173.8	7082.4
52.5°	6773.3	6851.3	7206.0	7818.9	8281.2	8380.6	8020.5	7673.7	7117.4	6714.2	6652.4
54°	5967.0	6039.5	6332.5	7241.0	8203.2	8539.2	7958.6	7222.2	6437.3	5958.9	5897.1
55°	5168.7	5088.0	5620.2	6547.5	7837.7	8399.4	7714.0	6638.9	5741.2	5303.1	5217.1
57.5°	2798.0	2811.5	3260.3	4136.6	5507.3	6440.0	5687.4	4491.3	3392.0	2900.2	2857.2
60°	887.0	908.5	1104.7	1671.8	2631.4	3142.1	2693.2	1803.5	1247.1	999.9	959.6
62.5°	276.8	287.6	314.5	467.7	720.3	1029.4	806.3	483.8	360.2	330.6	336.0
65°	169.3	169.3	172.0	182.8	215.0	250.0	241.9	212.3	204.3	198.9	196.2
67.5°	110.2	107.5	112.9	121.0	126.3	129.0	137.1	145.1	142.5	137.1	137.1
70°	67.2	64.5	69.9	80.6	83.3	88.7	96.8	107.5	104.8	99.4	102.1
72.5°	37.6	37.6	40.3	48.4	56.4	61.8	69.9	77.9	80.6	77.9	77.9
75°	13.4	16.1	21.5	29.6	34.9	43.0	51.1	59.1	67.2	61.8	59.1
77.5°	5.4	5.4	10.8	18.8	26.9	34.9	48.4	56.4	61.8	56.4	51.1
80°	2.7	2.7	8.1	16.1	24.2	32.3	40.3	48.4	51.1	45.7	40.3
82.5°	2.7	2.7	8.1	16.1	24.2	29.6	43.0	48.4	53.8	48.4	40.3
85°	0.0	2.7	8.1	16.1	21.5	24.2	24.2	16.1	13.4	8.1	8.1
87.5°	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)