

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: P532511

Luminaire Tested: **GLAN-SA7D-827-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7D-827-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23771 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

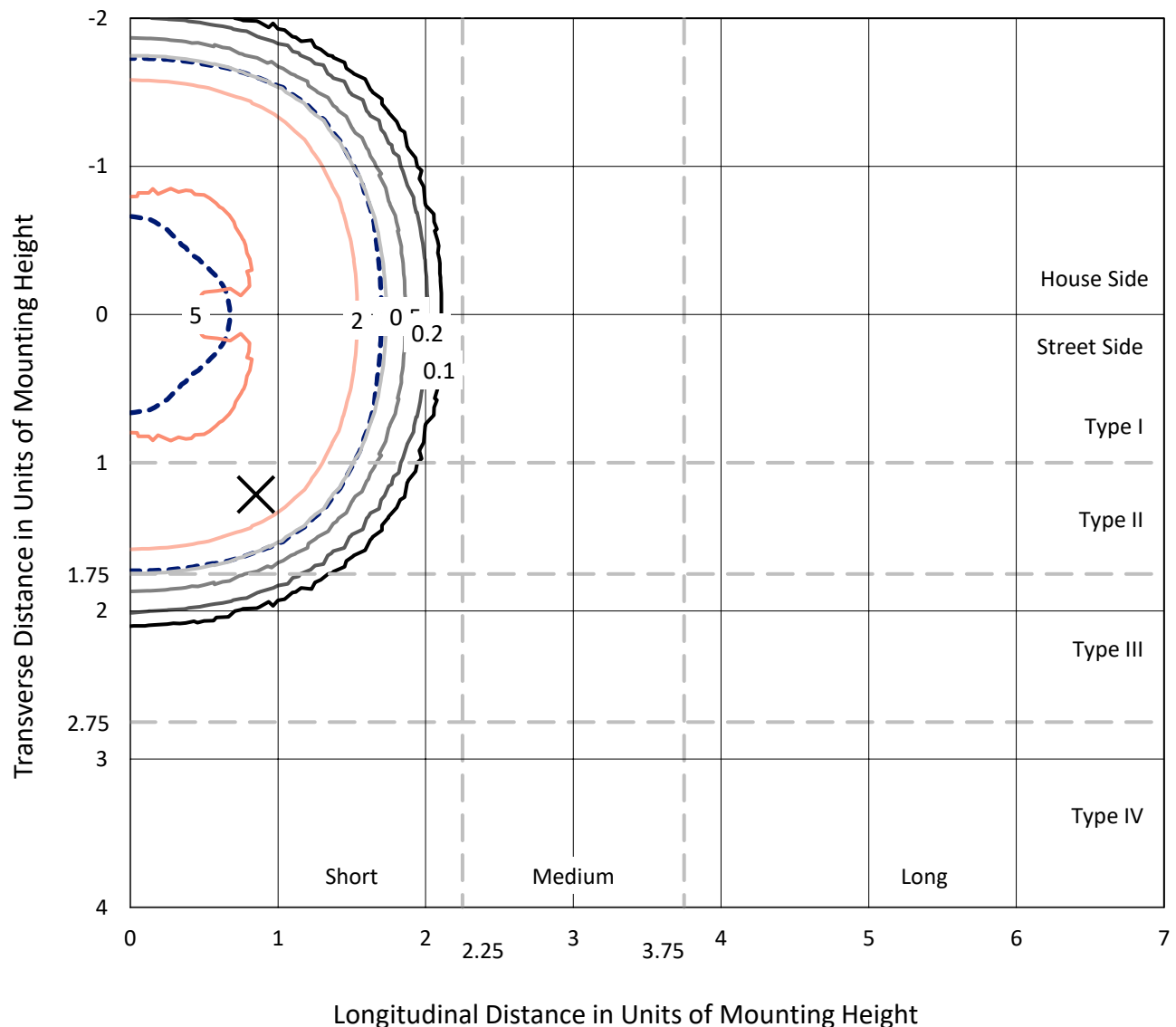
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

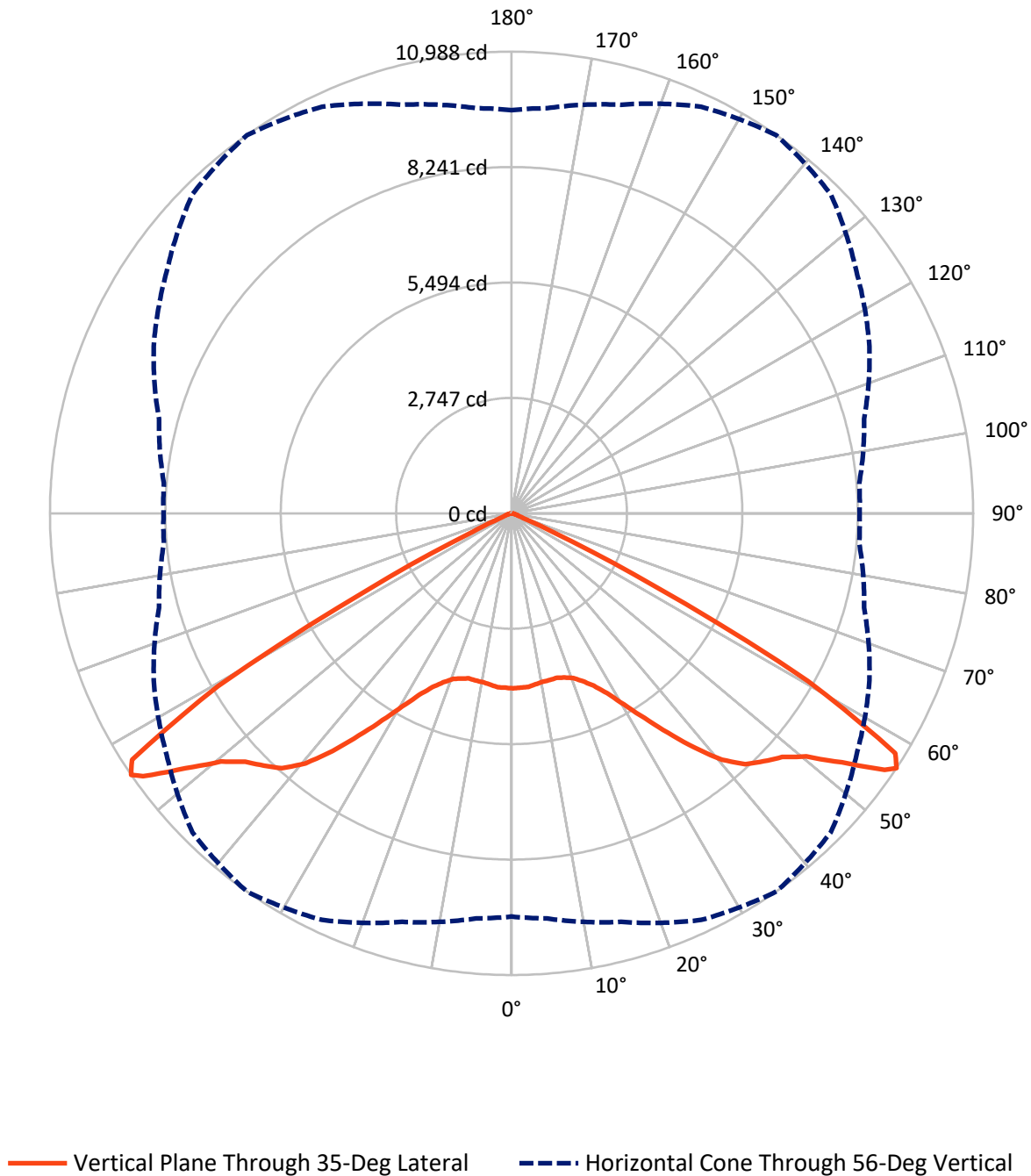
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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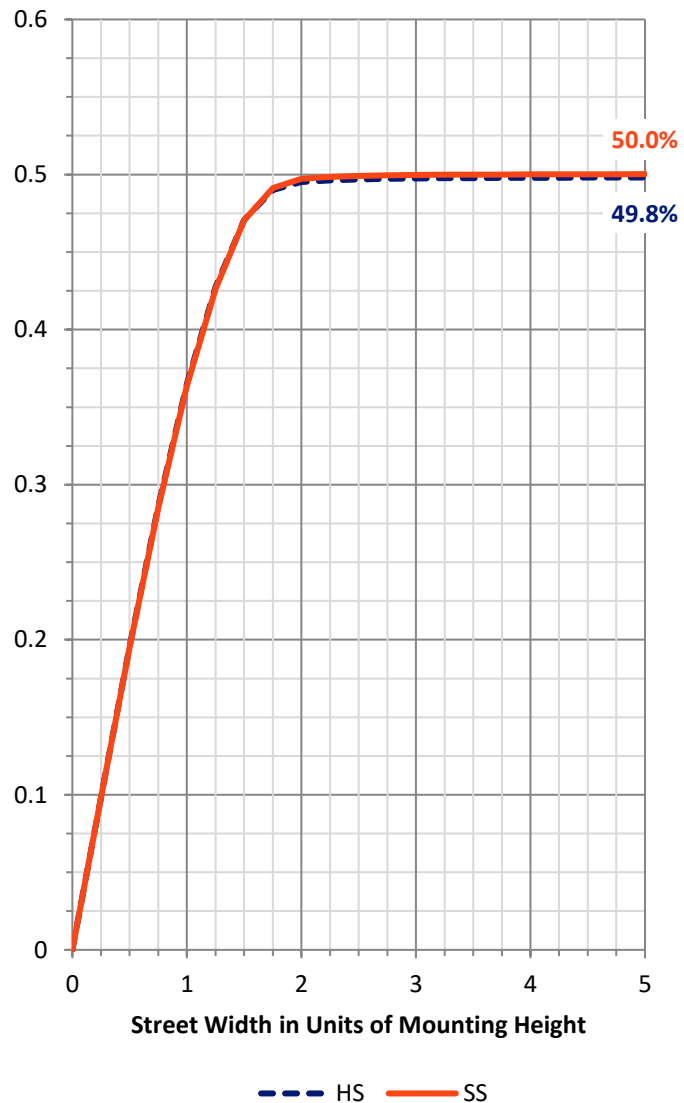
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11885.5	0.0	11885.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11885.5	0.0	11885.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23771.0	0.0	23771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.5	1.6
10°-20°	1142.9	4.8
20°-30°	2069.6	8.7
30°-40°	3837.8	16.1
40°-50°	6299.5	26.5
50°-60°	8115.6	34.1
60°-70°	1788.6	7.5
70°-80°	103.8	0.4
80°-90°	21.8	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°	23771.0	100.0
0°-180°	23771.0	100.0

Coefficient of Utilization



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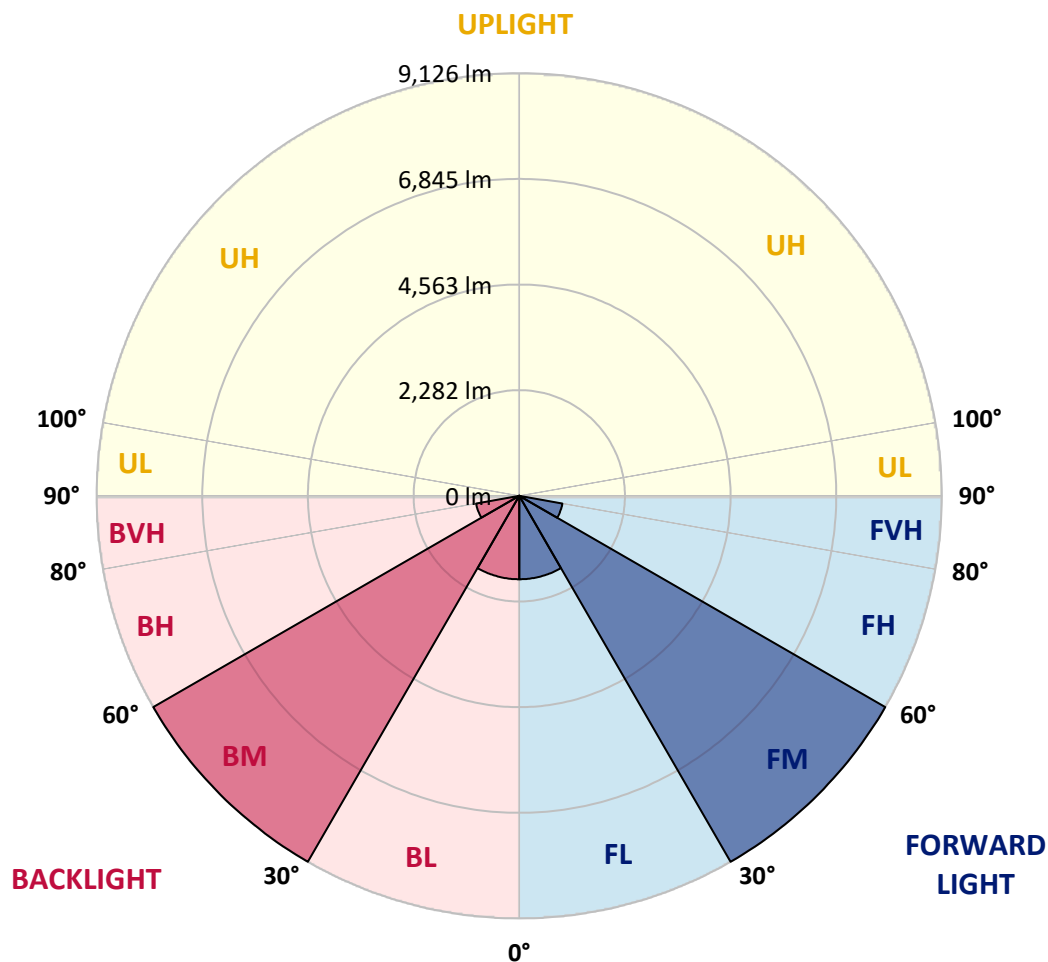
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1802.0	7.6			
FM	(30°-60°)	9126.4	38.4			
FH	(60°-80°)	946.2	4.0			G1/1800
FVH	(80°-90°)	10.9	0.0			G1/100
BL	(0°-30°)	1802.0	7.6	B3/2500		
BM	(30°-60°)	9126.4	38.4	B5		
BH	(60°-80°)	946.2	4.0	B2/1000		G1/1800
BVH	(80°-90°)	10.9	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4165.2	4165.2	4165.2	4165.2	4165.2	4165.2	4165.2	4165.2	4165.2	4165.2	4165.2
2.5°	4173.8	4173.8	4178.1	4182.4	4152.3	4139.3	4143.7	4135.0	4130.7	4143.7	4143.7
5°	4160.9	4160.9	4148.0	4152.3	4152.3	4113.5	4113.5	4122.1	4122.1	4096.3	4087.7
7.5°	4126.4	4117.8	4100.6	4122.1	4109.2	4109.2	4079.0	4057.5	4048.9	4066.1	4048.9
10°	4053.2	4057.5	4074.7	4083.4	4074.7	4100.6	4048.9	4018.7	3988.6	3975.7	3975.7
12.5°	4018.7	4044.6	4018.7	4040.3	4070.4	4048.9	4018.7	3997.2	3954.1	3936.9	3936.9
15°	4014.4	4031.7	4040.3	4070.4	4057.5	4066.1	4005.8	3980.0	3915.4	3885.2	3872.3
17.5°	4010.1	4031.7	4044.6	4100.6	4109.2	4113.5	4066.1	3988.6	3932.6	3902.4	3872.3
20°	4057.5	4066.1	4092.0	4148.0	4182.4	4242.7	4156.6	4074.7	3954.1	3919.7	3906.8
22.5°	4117.8	4160.9	4186.7	4247.0	4337.5	4389.2	4277.2	4173.8	4048.9	4005.8	3954.1
25°	4311.6	4303.0	4346.1	4471.0	4544.2	4583.0	4492.5	4341.8	4178.1	4126.4	4135.0
27.5°	4552.9	4561.5	4600.2	4738.1	4845.7	4906.1	4798.4	4600.2	4440.9	4354.7	4346.1
30°	4867.3	4858.7	4901.7	5087.0	5280.8	5371.2	5181.7	4949.1	4794.1	4682.1	4707.9
32.5°	5199.0	5203.3	5323.9	5491.8	5806.3	5982.9	5677.1	5392.8	5160.2	5082.7	5043.9
35°	5690.0	5711.5	5806.3	6064.7	6413.6	6641.9	6305.9	5965.7	5698.6	5556.5	5573.7
37.5°	6297.3	6275.8	6435.2	6715.1	7081.3	7249.2	6965.0	6577.3	6305.9	6211.2	6271.5
40°	6943.4	6965.0	7046.8	7300.9	7710.1	7822.1	7400.0	7188.9	6952.0	6904.7	6977.9
42.5°	7589.5	7576.6	7636.9	7865.2	8162.4	8084.9	7835.0	7710.1	7542.1	7447.4	7546.4
45°	8063.3	8041.8	8153.8	8308.8	8416.5	8270.1	8158.1	8115.0	8028.9	7925.5	8015.9
47.5°	8524.2	8507.0	8614.7	8657.7	8666.4	8472.5	8494.1	8571.6	8356.2	8140.9	8244.2
50°	8916.2	8886.0	9019.6	9114.3	9092.8	8782.7	8860.2	8782.7	8446.7	8192.5	8153.8
52.5°	9570.9	9583.8	9726.0	9898.2	9846.6	9588.1	9476.1	9122.9	8692.2	8463.9	8330.4
55°	9984.4	9919.8	10165.3	10712.3	10772.6	10505.6	10010.2	9489.1	8843.0	8563.0	8528.5
56°	9596.7	9678.6	10066.2	10677.9	10988.0	10742.5	10023.2	9398.6	8687.9	8308.8	8283.0
57.5°	8610.4	8567.3	9092.8	9928.4	10772.6	10669.3	9670.0	8752.5	7925.5	7499.1	7447.4
60°	5358.3	5483.2	5944.1	6977.9	8106.4	8158.1	7167.4	6379.2	5414.3	5035.3	5125.7
62.5°	2097.7	1990.0	2278.6	3049.6	3824.9	3997.2	3622.5	3010.8	2472.4	2097.7	2071.8
65°	486.7	473.8	534.1	736.6	1029.5	1193.1	1132.8	814.1	598.7	568.6	525.5
67.5°	275.7	275.7	262.7	262.7	288.6	305.8	292.9	288.6	301.5	314.4	310.1
70°	193.8	189.5	180.9	185.2	176.6	176.6	189.5	211.1	228.3	228.3	232.6
72.5°	116.3	116.3	116.3	129.2	129.2	129.2	142.1	159.4	163.7	159.4	155.1
75°	51.7	51.7	60.3	73.2	81.8	86.1	99.1	107.7	116.3	107.7	99.1
77.5°	12.9	12.9	21.5	30.2	38.8	47.4	64.6	77.5	81.8	77.5	64.6
80°	4.3	4.3	8.6	21.5	38.8	47.4	64.6	68.9	73.2	64.6	51.7
82.5°	4.3	4.3	8.6	21.5	30.2	38.8	51.7	60.3	64.6	56.0	51.7
85°	0.0	4.3	8.6	17.2	25.8	34.5	34.5	25.8	21.5	12.9	17.2
87.5°	0.0	0.0	4.3	4.3	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)