

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: P530414

Luminaire Tested: **GLAN-SA5C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530414
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: STREETWORKS
Catalog Number: GLAN-SA5C-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 2700K, 1050mA 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: 22678 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

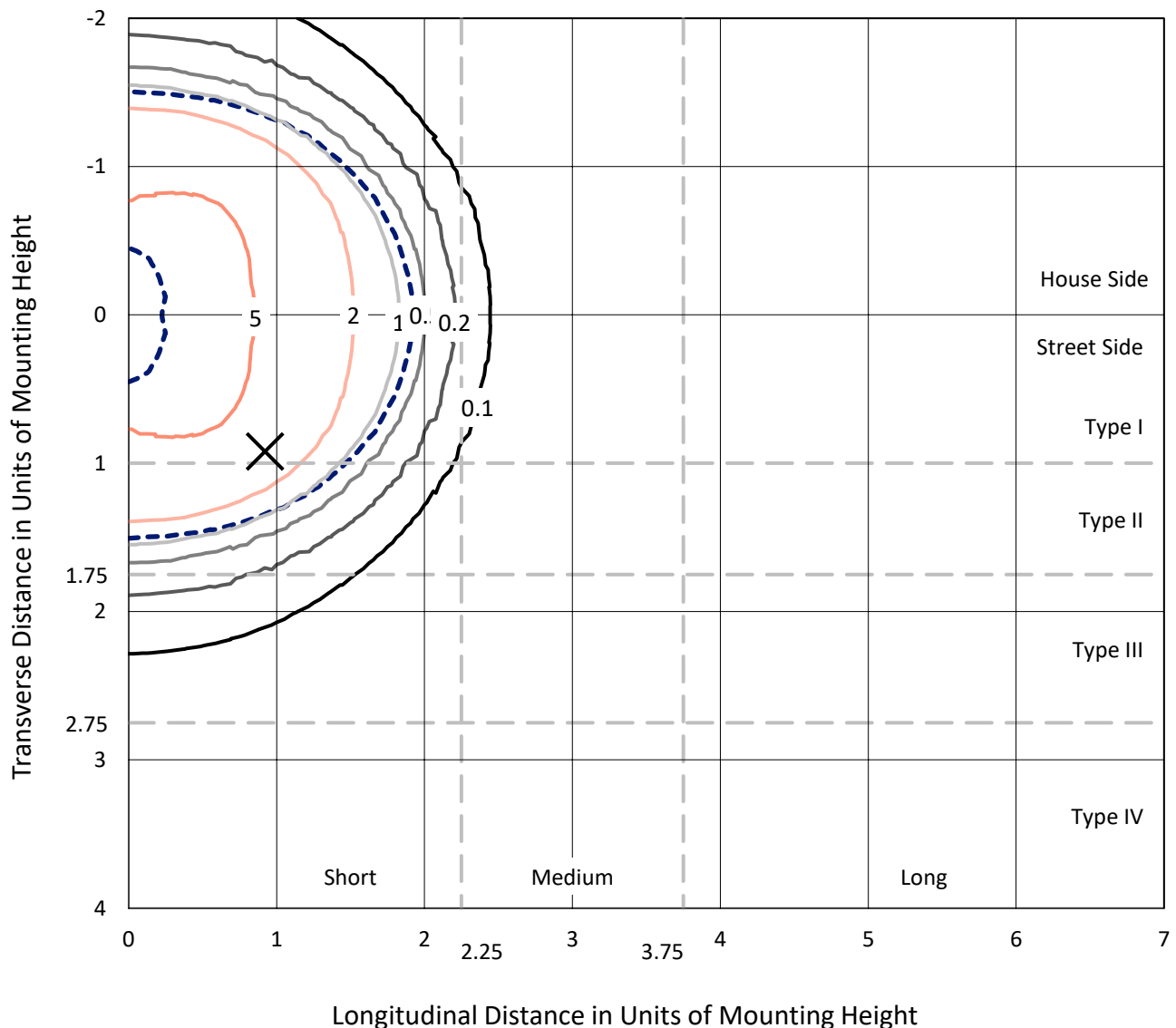
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

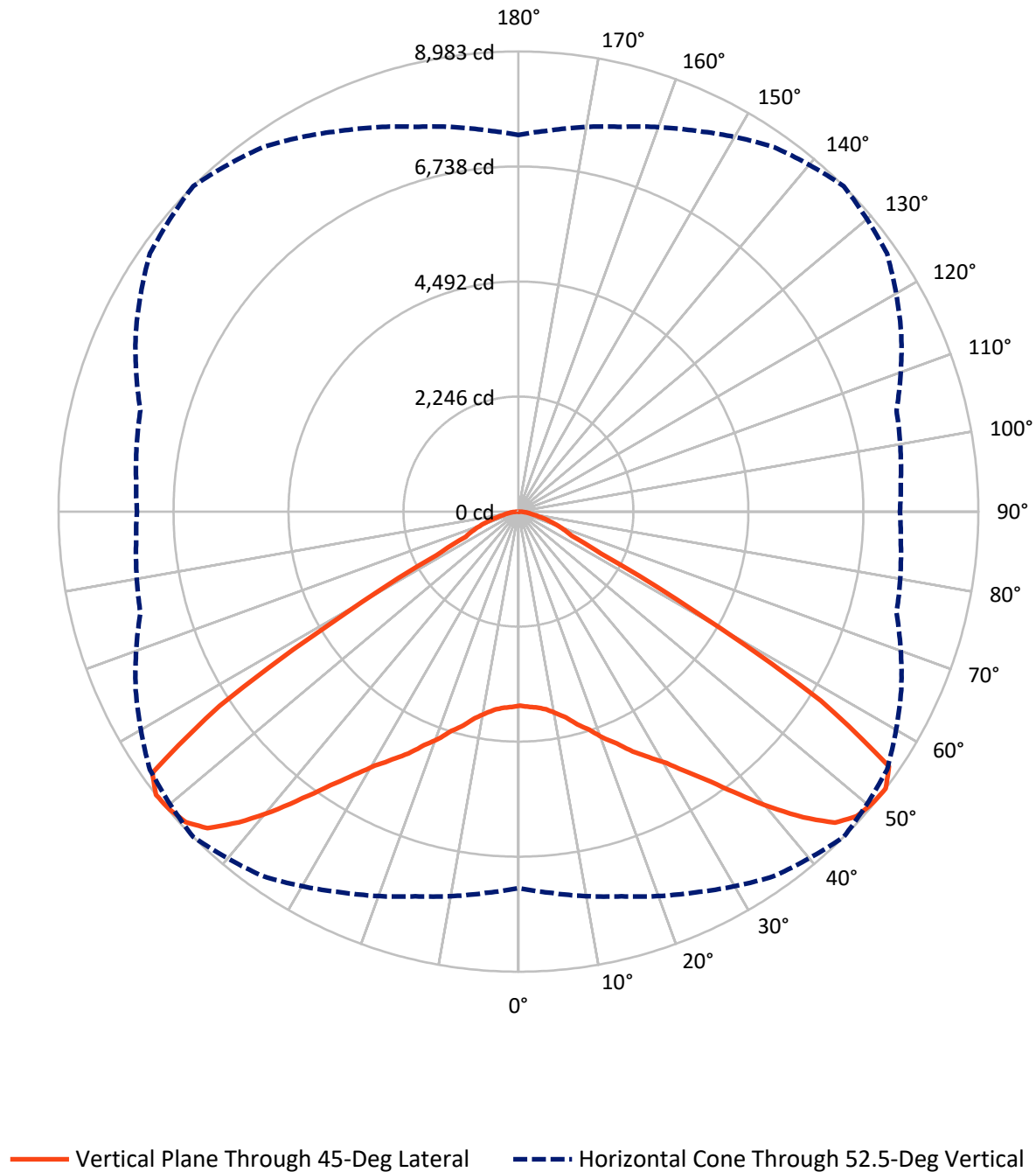
✕ Max cd
 - - - 1/2 Max cd



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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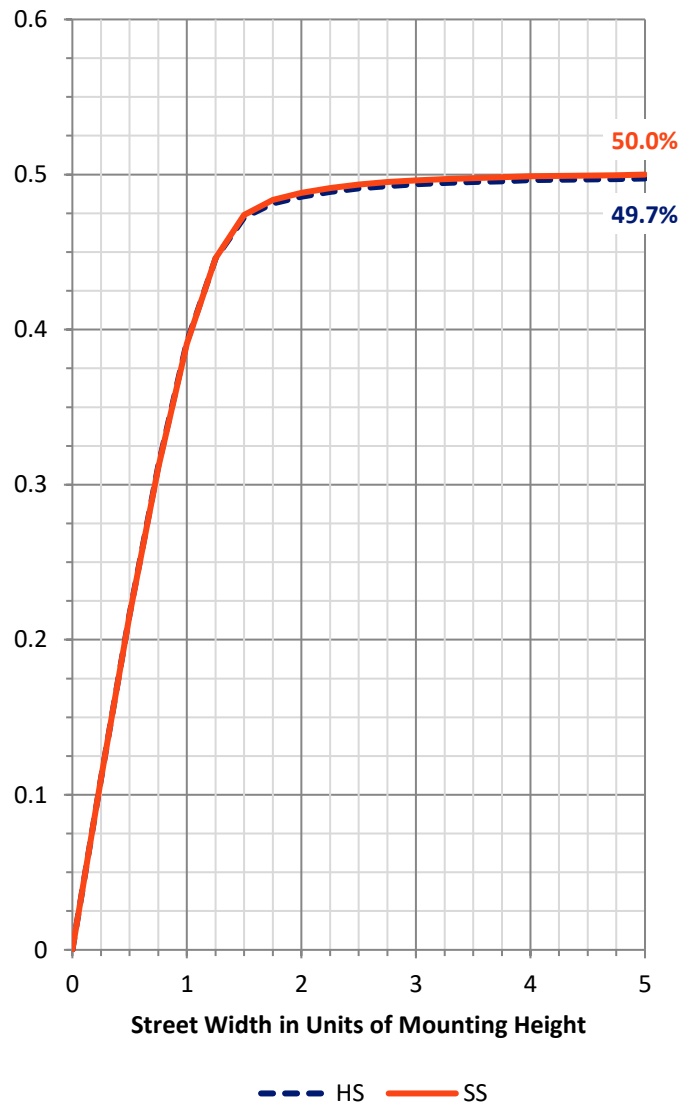
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11339.0	0.0	11339.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11339.0	0.0	11339.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22678.0	0.0	22678.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.4	1.6
10°-20°	1223.8	5.4
20°-30°	2330.0	10.3
30°-40°	4000.8	17.6
40°-50°	6149.3	27.1
50°-60°	6244.5	27.5
60°-70°	1740.3	7.7
70°-80°	513.4	2.3
80°-90°	103.4	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°	22678.0	100.0
0°-180°	22678.0	100.0

Coefficient of Utilization



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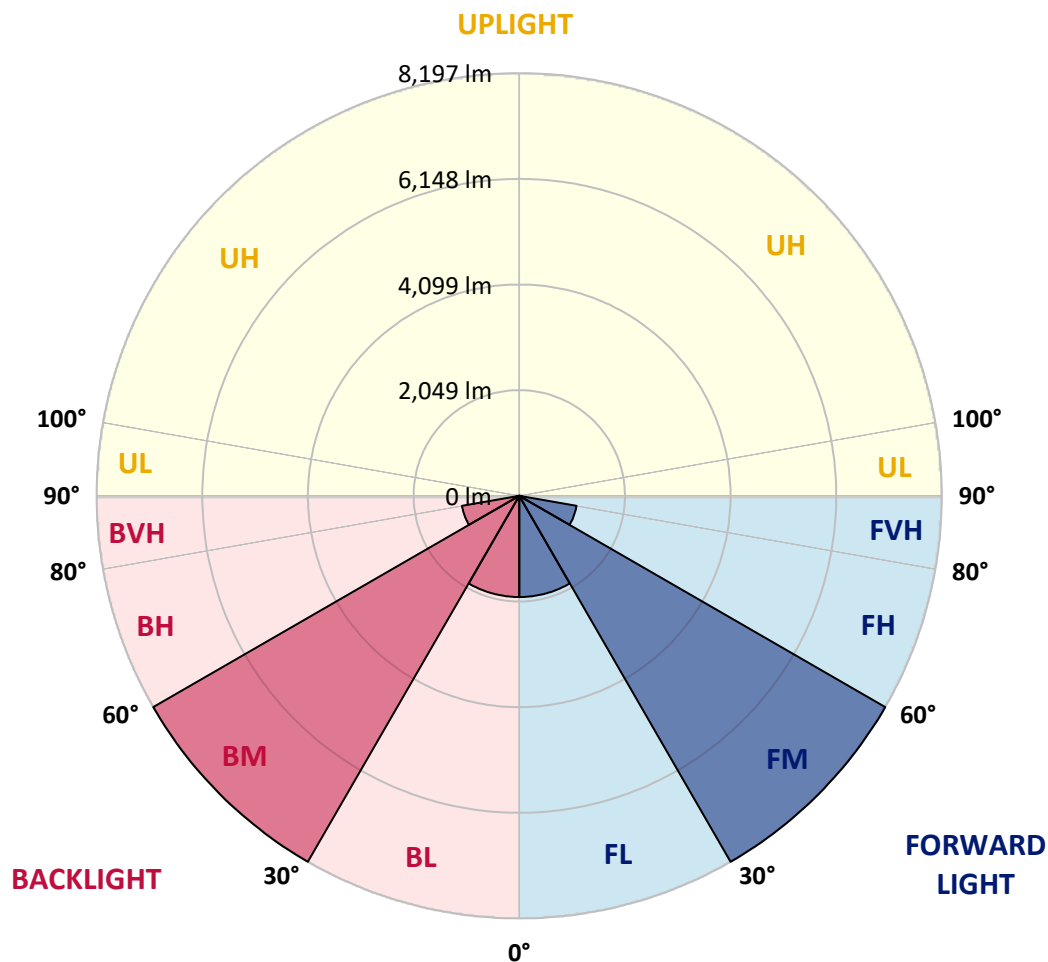
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1963.1	8.7			
FM	(30°-60°)	8197.3	36.1			
FH	(60°-80°)	1126.8	5.0			G1/1800
FVH	(80°-90°)	51.7	0.2			G1/100
BL	(0°-30°)	1963.1	8.7	B3/2500		
BM	(30°-60°)	8197.3	36.1	B4/8500		
BH	(60°-80°)	1126.8	5.0	B3/2500		G1/1800
BVH	(80°-90°)	51.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3790.9	3790.9	3790.9	3790.9	3790.9	3790.9	3790.9	3790.9	3790.9	3790.9	3790.9
2.5°	3799.4	3760.0	3774.0	3782.5	3819.1	3816.3	3807.8	3819.1	3830.3	3833.1	3827.5
5°	3796.6	3768.4	3779.7	3788.1	3824.7	3844.4	3838.8	3886.6	3920.4	3911.9	3954.2
7.5°	3774.0	3790.9	3776.9	3819.1	3850.0	3897.9	3948.5	3993.6	4035.8	4083.6	4092.1
10°	3824.7	3824.7	3850.0	3883.8	3965.4	4002.0	4075.2	4139.9	4221.5	4277.8	4255.3
12.5°	3878.2	3886.6	3886.6	3973.9	4041.4	4123.0	4190.6	4277.8	4393.2	4460.7	4494.5
15°	3931.6	3937.3	3965.4	4083.6	4184.9	4314.4	4376.3	4455.1	4519.8	4646.5	4649.3
17.5°	3979.5	4010.4	4094.9	4227.2	4353.8	4477.6	4576.1	4657.7	4714.0	4764.7	4753.4
20°	4159.6	4182.1	4269.4	4401.6	4590.2	4711.2	4745.0	4759.1	4795.6	4897.0	4866.0
22.5°	4334.1	4342.5	4424.2	4626.8	4759.1	4919.5	4956.1	4947.6	4961.7	4987.0	5032.1
25°	4514.2	4528.3	4640.9	4812.5	4998.3	5189.7	5220.6	5155.9	5136.2	5164.3	5167.1
27.5°	4745.0	4747.8	4891.3	5040.5	5251.6	5431.7	5479.5	5428.9	5336.0	5358.5	5395.1
30°	5037.7	5018.0	5161.5	5375.4	5597.7	5699.1	5780.7	5755.3	5654.0	5634.3	5603.4
32.5°	5375.4	5381.0	5510.5	5744.1	5890.4	6059.3	6146.5	6104.3	6039.6	6005.8	6025.5
35°	5851.0	5876.4	5963.6	6157.8	6394.2	6478.6	6616.5	6526.5	6357.6	6399.8	6436.4
37.5°	6242.2	6315.4	6478.6	6709.4	6850.1	7004.9	7055.6	6934.6	6810.7	6760.1	6881.1
40°	6841.7	6819.2	6999.3	7230.1	7438.3	7593.1	7528.4	7407.4	7100.6	7103.4	7137.2
42.5°	7356.7	7368.0	7505.9	7781.7	8065.9	8161.6	7956.2	7660.7	7320.1	7283.5	7356.7
45°	7790.1	7835.1	7913.9	8282.6	8561.2	8665.4	8285.4	7936.5	7480.5	7328.6	7449.6
47.5°	7944.9	8018.1	8189.8	8527.5	8803.3	8887.7	8583.8	8082.8	7629.7	7382.0	7446.8
50°	7967.4	7942.1	8223.5	8533.1	8775.1	8958.1	8690.7	8189.8	7593.1	7463.7	7444.0
52.5°	7351.1	7474.9	7776.0	8201.0	8690.7	8983.4	8786.4	8248.9	7643.8	7497.4	7449.6
55°	5949.5	5803.2	6352.0	7066.8	7967.4	8780.8	8752.6	8279.8	7674.7	7553.7	7489.0
57.5°	3320.9	3363.1	3672.7	4449.5	5611.8	6962.7	7781.7	7953.3	7660.7	7590.3	7624.1
60°	1536.6	1550.7	1683.0	2046.0	2766.5	3948.5	5026.4	6121.2	6625.0	6726.3	6726.3
62.5°	1145.4	1139.8	1173.6	1238.3	1390.3	1815.3	2423.2	3292.8	3985.1	4469.2	4595.8
65°	1035.7	1032.9	1049.8	1072.3	1083.5	1142.6	1277.7	1545.1	1770.2	1899.7	1877.2
67.5°	906.2	903.4	909.0	923.1	942.8	973.8	1007.5	1063.8	1142.6	1137.0	1122.9
70°	731.7	731.7	740.2	751.4	773.9	810.5	849.9	889.3	956.9	971.0	968.1
72.5°	540.4	531.9	548.8	571.3	593.8	638.9	681.1	717.7	765.5	779.6	773.9
75°	343.4	349.0	360.2	385.6	425.0	455.9	501.0	531.9	562.9	574.1	576.9
77.5°	191.4	197.0	216.7	247.7	287.1	320.8	360.2	385.6	405.3	408.1	410.9
80°	115.4	118.2	137.9	166.0	199.8	236.4	267.4	292.7	309.6	301.1	298.3
82.5°	70.4	73.2	90.1	115.4	143.5	171.7	205.4	228.0	244.8	233.6	222.3
85°	36.6	39.4	53.5	70.4	92.9	106.9	106.9	95.7	92.9	87.2	84.4
87.5°	11.3	11.3	14.1	16.9	14.1	16.9	19.7	22.5	22.5	25.3	22.5
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)