

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: P455237

Luminaire Tested: **GALN-SA6B-830-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27983 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): 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

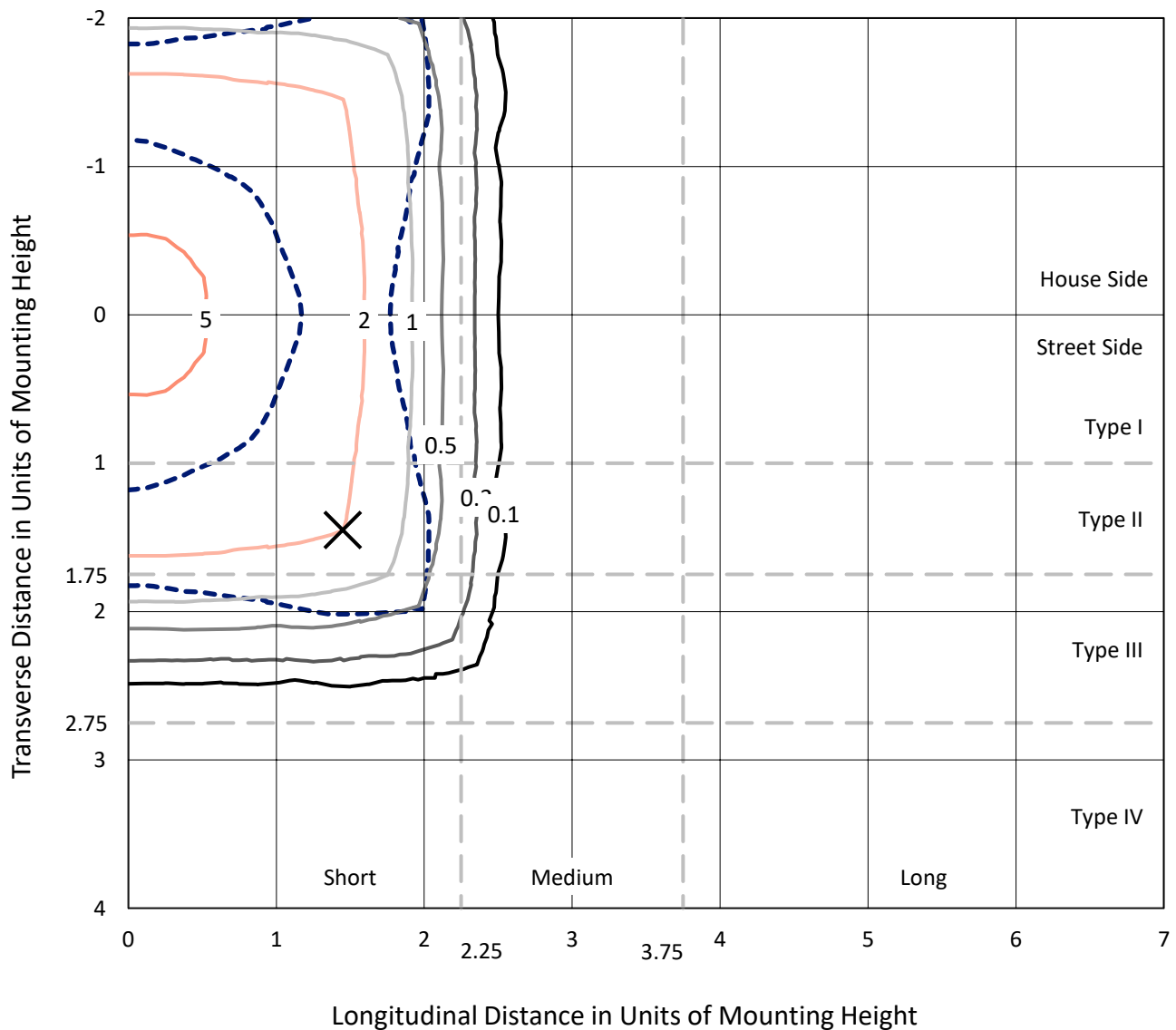


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

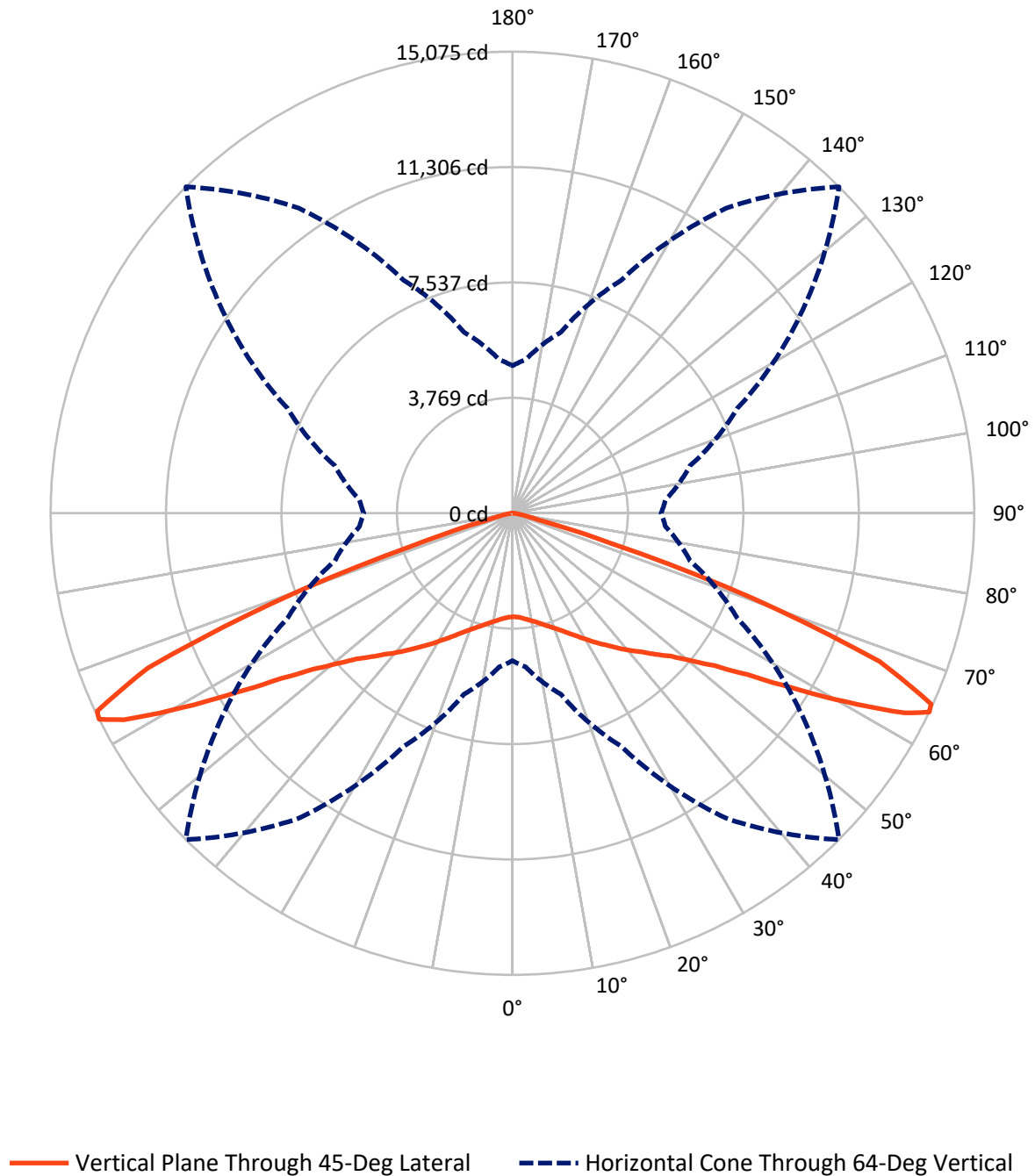


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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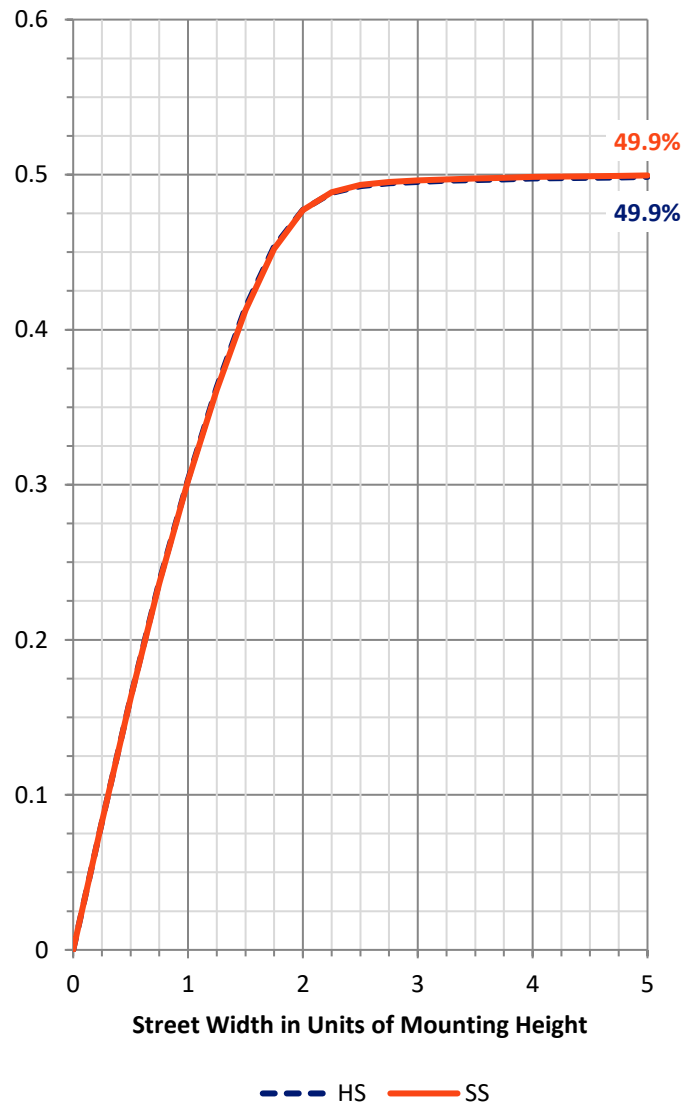
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13991.5	0.0	13991.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13991.5	0.0	13991.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27983.0	0.0	27983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.3	1.2
10°-20°	1071.8	3.8
20°-30°	2025.4	7.2
30°-40°	3354.3	12.0
40°-50°	5236.7	18.7
50°-60°	8095.7	28.9
60°-70°	6980.9	24.9
70°-80°	791.1	2.8
80°-90°	94.8	0.3
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°	27983.0	100.0
0°-180°	27983.0	100.0

Coefficient of Utilization



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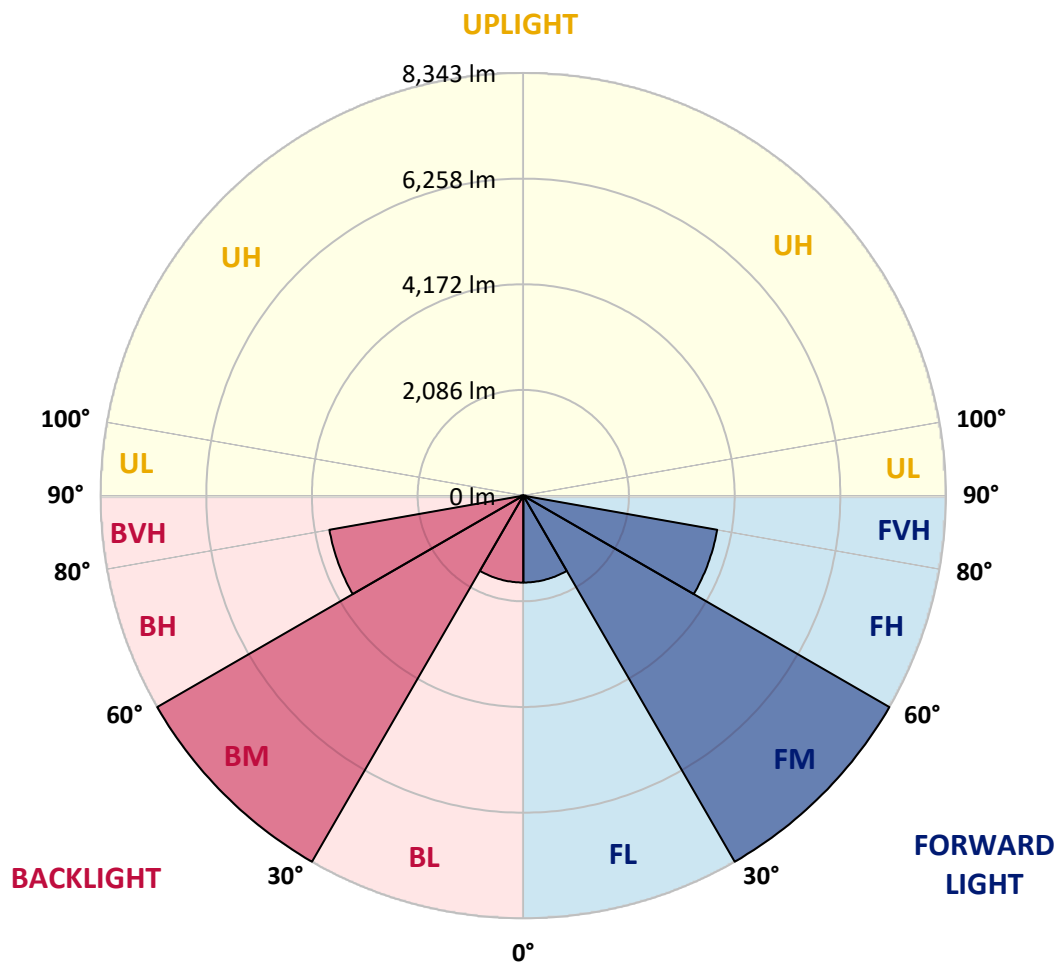
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1714.8	6.1			
FM	(30°-60°)	8343.4	29.8			
FH	(60°-80°)	3886.0	13.9			G2/5000
FVH	(80°-90°)	47.4	0.2			G1/100
BL	(0°-30°)	1714.8	6.1	B3/2500		
BM	(30°-60°)	8343.4	29.8	B4/8500		
BH	(60°-80°)	3886.0	13.9	B4/5000		G2/5000
BVH	(80°-90°)	47.4	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3382.2	3382.2	3382.2	3382.2	3382.2	3382.2	3382.2	3382.2	3382.2	3382.2	3382.2
2.5°	3395.6	3403.0	3397.0	3395.6	3394.1	3394.1	3394.1	3395.6	3401.5	3405.9	3403.0
5°	3438.5	3444.5	3441.5	3440.0	3438.5	3440.0	3437.1	3435.6	3440.0	3440.0	3438.5
7.5°	3491.9	3499.3	3496.3	3499.3	3500.8	3502.3	3494.9	3488.9	3487.4	3491.9	3488.9
10°	3564.5	3570.4	3571.9	3573.4	3576.4	3574.9	3566.0	3555.6	3554.1	3552.7	3551.2
12.5°	3646.0	3650.5	3652.0	3657.9	3662.3	3663.8	3653.4	3644.6	3629.7	3632.7	3626.8
15°	3737.9	3746.8	3745.3	3754.2	3766.1	3769.1	3758.7	3743.9	3730.5	3723.1	3718.7
17.5°	3850.6	3856.5	3853.5	3862.4	3877.2	3884.7	3875.8	3856.5	3843.2	3826.9	3818.0
20°	3984.0	3994.3	3997.3	3997.3	4010.6	4018.0	4004.7	3998.8	3978.0	3966.2	3958.8
22.5°	4135.1	4139.6	4148.5	4157.4	4170.7	4167.7	4163.3	4154.4	4135.1	4124.8	4112.9
25°	4305.6	4310.0	4332.3	4351.5	4356.0	4353.0	4347.1	4342.6	4324.8	4301.1	4292.2
27.5°	4504.2	4513.1	4542.7	4560.5	4560.5	4562.0	4550.1	4565.0	4526.4	4498.3	4495.3
30°	4753.2	4759.1	4784.3	4802.1	4793.2	4785.8	4782.8	4797.6	4756.1	4705.8	4693.9
32.5°	4999.2	5020.0	5042.2	5080.7	5049.6	5036.3	5033.3	5043.7	4996.3	4939.9	4923.6
35°	5263.0	5277.9	5319.4	5352.0	5323.8	5292.7	5306.0	5338.6	5282.3	5206.7	5203.8
37.5°	5555.0	5568.4	5621.7	5655.8	5635.1	5581.7	5603.9	5642.5	5586.1	5492.8	5473.5
40°	5858.9	5887.0	5953.7	5989.3	5955.2	5884.0	5925.5	5967.0	5916.7	5808.5	5765.5
42.5°	6199.7	6244.2	6340.5	6358.3	6293.1	6196.8	6269.4	6336.1	6300.5	6176.0	6159.7
45°	6598.4	6625.1	6743.7	6782.2	6691.8	6571.8	6662.2	6783.7	6757.0	6613.3	6582.1
47.5°	7044.6	7069.8	7192.8	7250.6	7136.4	6974.9	7137.9	7296.5	7280.2	7126.1	7111.3
50°	7572.2	7578.1	7748.6	7813.8	7699.7	7560.3	7705.6	7902.7	7837.5	7640.4	7637.4
52.5°	8150.2	8157.6	8372.5	8498.5	8434.8	8277.7	8449.6	8569.7	8403.7	8145.8	8126.5
55°	8651.2	8688.2	8981.7	9316.7	9404.1	9290.0	9341.9	9285.5	8876.5	8514.8	8458.5
57.5°	8855.7	8928.3	9374.5	9999.9	10569.1	10738.0	10337.8	9801.3	9064.7	8553.4	8498.5
60°	8356.2	8434.8	9126.9	10314.1	11766.6	12500.3	11375.3	9888.8	8636.4	7917.5	7831.6
62.5°	6691.8	6714.0	7732.3	9574.5	12464.7	14364.8	11812.6	9143.2	7389.9	6413.2	6379.1
64°	4815.4	5043.7	6122.7	8394.8	12159.4	15074.7	11560.6	8098.3	6002.6	5014.0	4854.0
65°	3601.6	3663.8	4935.5	7169.1	11621.4	15021.4	11071.5	7099.4	4971.1	3837.2	3659.4
67.5°	1360.6	1368.0	1821.5	3573.4	8273.2	12924.2	8449.6	3862.4	2094.2	1514.7	1459.9
70°	564.7	575.1	668.4	1202.0	3555.6	8298.4	4074.4	1393.2	766.3	621.0	612.1
72.5°	413.5	419.4	447.6	533.6	1093.8	3407.4	1339.8	591.4	449.1	401.7	397.2
75°	324.6	327.6	348.3	392.8	509.9	944.1	557.3	406.1	342.4	308.3	305.3
77.5°	247.5	254.9	269.7	299.4	342.4	447.6	369.0	303.8	263.8	235.7	231.2
80°	170.4	179.3	207.5	219.4	229.7	290.5	252.0	229.7	206.0	171.9	161.6
82.5°	105.2	111.2	139.3	149.7	145.2	163.0	161.6	164.5	146.7	106.7	99.3
85°	54.8	57.8	75.6	78.6	72.6	66.7	83.0	96.3	90.4	60.8	59.3
87.5°	11.9	13.3	16.3	14.8	16.3	16.3	20.7	31.1	32.6	20.7	19.3
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)