

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630807

Luminaire Tested: GWS-SA1E-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7409.7 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

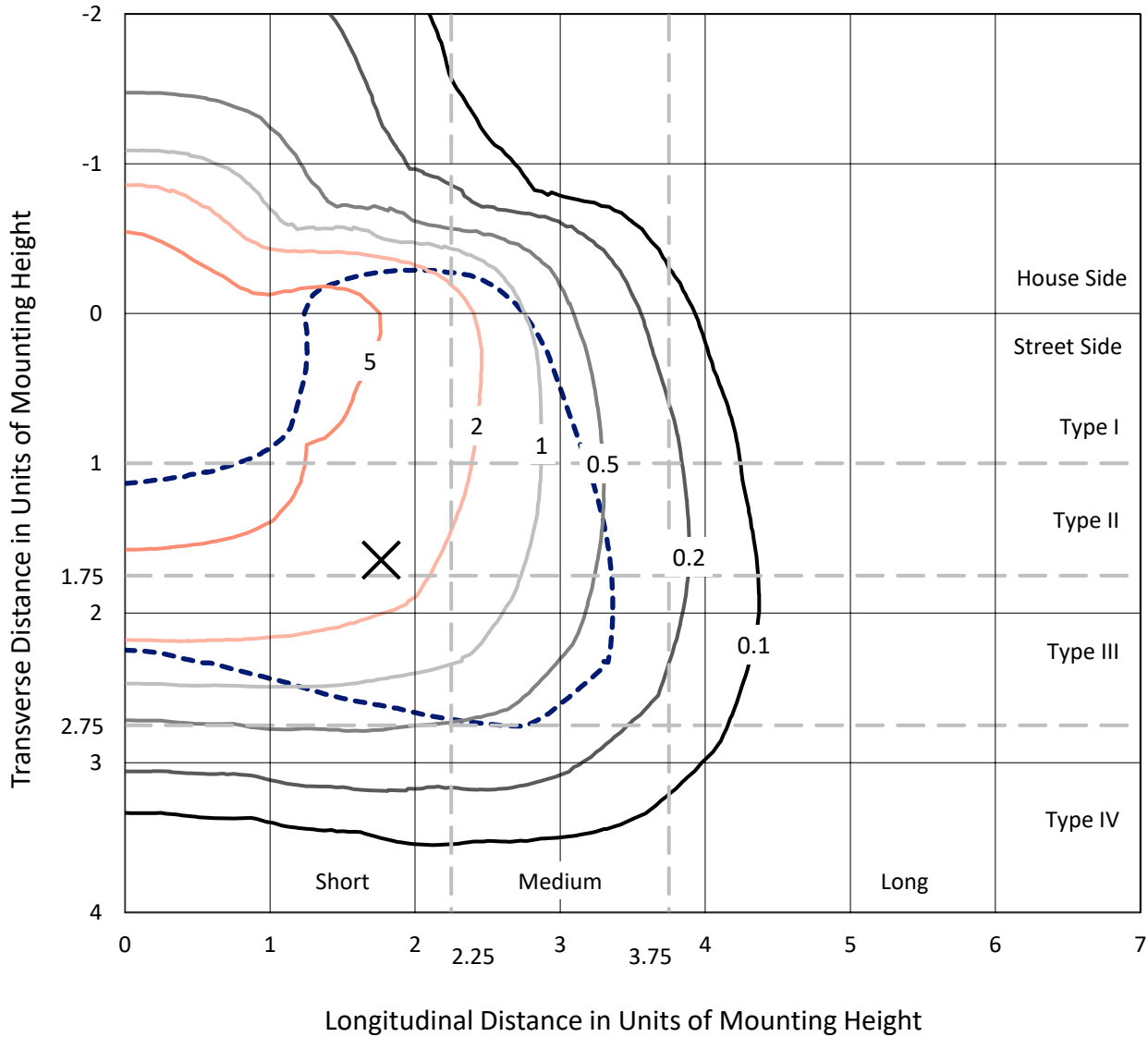
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

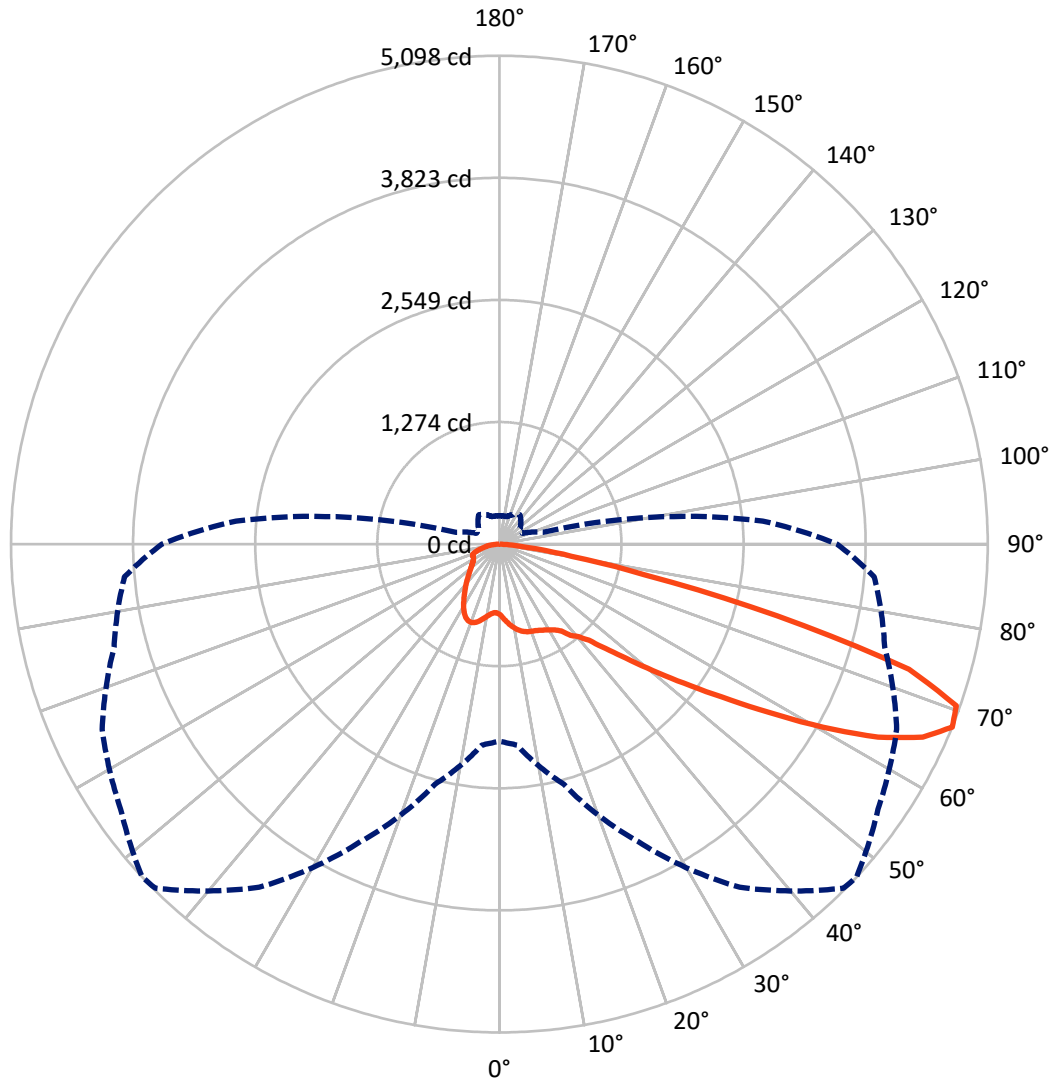
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1688.7	0.0	1688.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	5721.0	0.0	5721.0
	% Fixture	77.2	0.0	77.2
Total	Lumens	7409.7	0.0	7409.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.0
10°-20°	250.1	3.4
20°-30°	425.1	5.7
30°-40°	622.7	8.4
40°-50°	948.8	12.8
50°-60°	1697.7	22.9
60°-70°	2265.3	30.6
70°-80°	1024.4	13.8
80°-90°	100.4	1.4
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°	7409.7	100.0
0°-180°	7409.7	100.0

Coefficient of Utilization



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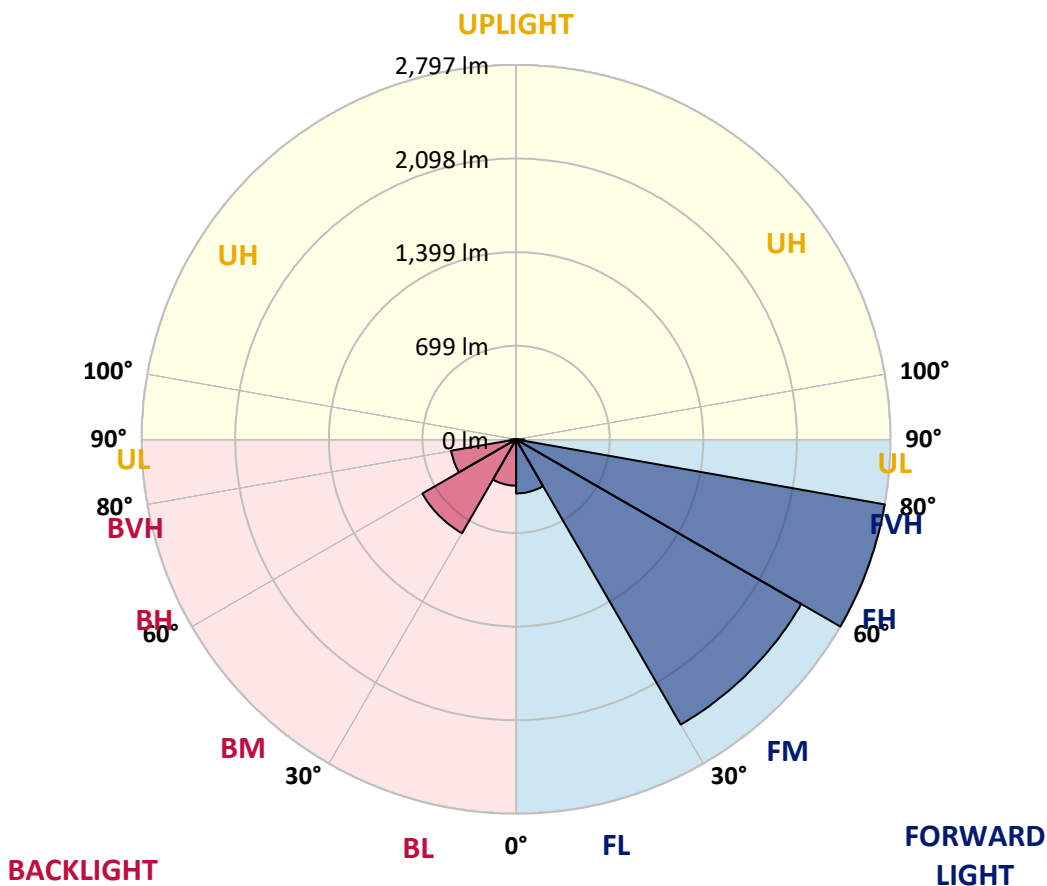
CATALOG NUMBER: GWS-SA1E-735-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.1	5.5			
FM (30°-60°)	2460.1	33.2			
FH (60°-80°)	2797.1	37.7			G2/5000
FVH (80°-90°)	59.7	0.8			G1/100
BL (0°-30°)	346.2	4.7	B1/500		
BM (30°-60°)	809.2	10.9	B1/1000		
BH (60°-80°)	492.7	6.6	B1/500		G1/500
BVH (80°-90°)	40.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5
2.5°	783.3	786.0	785.4	781.1	778.5	773.6	774.2	766.7	755.4	747.9	739.4
5°	852.4	856.7	851.3	844.4	833.7	818.1	816.5	799.4	777.9	762.9	747.4
7.5°	912.4	915.1	908.7	896.9	881.3	860.4	856.7	836.3	809.5	786.0	763.5
10°	959.0	962.2	953.7	938.1	917.8	896.9	894.2	873.3	844.9	817.0	788.6
12.5°	998.7	999.7	990.6	969.7	947.8	926.3	923.7	904.4	878.1	849.7	818.7
15°	1021.7	1022.2	1011.0	988.0	967.1	948.3	946.7	930.1	906.0	879.2	846.0
17.5°	1020.1	1021.2	1013.1	992.8	974.6	963.3	961.7	951.0	932.2	908.1	874.9
20°	1000.3	1001.3	996.0	982.6	973.0	969.7	970.3	967.1	955.8	936.0	902.2
22.5°	984.7	986.3	981.5	971.9	970.8	978.3	979.9	981.5	976.2	958.5	925.8
25°	992.2	994.9	987.4	974.0	976.2	992.8	996.0	1001.3	997.1	982.1	953.7
27.5°	1044.2	1045.8	1026.5	999.2	992.8	1010.5	1015.3	1023.8	1020.6	1006.7	984.7
30°	1164.8	1163.7	1122.4	1055.5	1028.7	1035.6	1039.4	1051.7	1052.8	1043.7	1022.8
32.5°	1334.6	1329.2	1265.5	1158.9	1081.2	1064.0	1068.3	1084.9	1097.2	1087.6	1059.2
35°	1514.1	1509.3	1439.1	1314.2	1178.2	1118.7	1113.9	1126.7	1145.5	1118.7	1078.0
37.5°	1685.0	1677.5	1605.7	1451.4	1297.6	1214.6	1207.6	1194.8	1183.5	1132.1	1101.0
40°	1874.6	1866.1	1803.4	1628.7	1429.4	1288.0	1270.3	1219.4	1209.2	1176.5	1161.0
42.5°	2077.2	2077.2	2025.2	1853.2	1588.5	1393.0	1370.0	1293.3	1304.1	1282.6	1264.4
45°	2279.7	2285.6	2244.3	2079.3	1801.2	1591.2	1554.3	1445.5	1471.2	1461.6	1452.5
47.5°	2452.2	2463.5	2455.4	2310.2	2061.6	1832.3	1776.1	1663.0	1718.2	1741.2	1767.0
50°	2638.1	2650.4	2642.4	2585.1	2366.5	2124.3	2074.0	1957.2	2052.0	2121.1	2205.2
52.5°	2914.0	2931.7	2864.7	2842.8	2736.7	2456.0	2410.9	2278.1	2450.1	2564.7	2752.2
55°	3147.1	3146.6	3123.0	3173.3	3134.2	2861.5	2811.7	2691.2	2910.8	3032.4	3306.8
57.5°	3255.3	3268.2	3349.1	3491.6	3569.8	3357.1	3309.4	3186.2	3405.3	3468.6	3764.8
60°	3311.0	3327.1	3483.6	3765.4	3975.9	3898.2	3879.5	3722.5	3845.7	3838.2	4151.1
62.5°	3232.8	3265.0	3516.2	3890.7	4265.8	4442.0	4436.1	4198.8	4220.2	4146.8	4390.6
65°	2873.9	2908.7	3303.0	3828.1	4431.3	4855.7	4857.3	4630.1	4507.9	4296.8	4350.4
67.5°	2055.2	2105.0	2592.6	3425.2	4372.9	5079.1	5097.8	4825.6	4575.4	4164.0	3928.2
70°	1120.3	1156.7	1538.7	2489.7	3846.8	5025.5	5060.3	4731.4	4277.6	3602.0	3023.9
72.5°	509.0	520.8	715.8	1366.2	2627.9	4325.8	4471.5	4222.4	3513.0	2660.6	1922.9
75°	233.1	238.4	311.8	653.6	1373.2	2894.7	2997.1	3144.9	2444.7	1680.2	1002.4
77.5°	146.3	147.9	177.3	299.0	684.7	1445.0	1552.7	1872.5	1431.6	831.5	419.0
80°	86.3	87.9	110.4	161.8	321.5	661.1	763.5	740.4	672.9	359.0	190.7
82.5°	43.4	45.0	63.8	92.2	175.2	263.1	309.7	311.3	250.7	194.5	107.7
85°	15.5	16.1	20.9	36.4	74.5	86.8	97.0	118.4	122.7	113.0	52.0
87.5°	0.0	0.0	0.5	1.1	2.1	8.6	9.1	17.1	35.9	40.2	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5
2.5°	736.7	728.6	726.0	723.3	719.0	717.4	714.2	711.0	711.0	707.7	706.1
5°	740.4	729.7	722.7	719.5	716.9	718.5	718.5	719.5	723.3	721.1	722.2
7.5°	753.8	741.5	731.9	729.2	729.2	735.6	739.9	745.3	752.2	753.3	753.3
10°	777.4	762.9	752.8	751.1	753.8	762.9	769.4	775.8	784.4	784.9	786.0
12.5°	803.1	788.6	778.5	780.6	783.3	795.1	802.0	807.4	816.0	816.0	815.4
15°	829.9	813.8	805.3	809.5	817.6	831.0	832.0	832.6	836.9	835.8	835.3
17.5°	857.8	840.6	834.2	840.6	849.2	855.6	850.3	842.8	841.2	839.0	837.9
20°	885.1	867.4	864.7	869.5	872.2	866.9	850.3	836.3	829.9	826.7	825.6
22.5°	908.7	893.7	892.1	892.1	878.7	859.9	835.3	816.5	807.9	803.6	802.6
25°	936.5	922.6	919.9	905.4	871.2	836.9	803.6	786.5	779.5	777.4	777.9
27.5°	969.2	959.6	951.0	909.7	849.7	796.1	758.6	751.1	748.5	751.1	752.8
30°	1009.4	999.7	980.5	904.4	815.4	743.1	707.2	706.7	714.7	721.7	722.7
32.5°	1042.1	1037.8	1006.2	887.2	767.2	684.7	654.2	656.3	670.8	680.4	682.0
35°	1067.8	1074.7	1027.6	858.8	709.9	629.5	605.4	606.5	614.5	627.9	628.5
37.5°	1104.2	1127.8	1046.9	815.4	644.0	581.8	559.9	551.8	550.8	554.5	555.6
40°	1177.6	1213.0	1060.8	752.2	580.2	539.0	514.3	498.8	485.4	475.2	472.0
42.5°	1288.5	1329.2	1068.9	675.6	523.4	496.7	468.8	449.0	425.4	404.0	396.5
45°	1492.1	1505.5	1068.9	594.2	473.1	457.0	429.1	405.6	375.6	350.4	345.0
47.5°	1817.9	1775.0	1069.9	515.4	428.6	422.2	398.1	371.3	338.1	317.2	314.0
50°	2308.6	2158.1	1091.9	450.0	391.6	392.7	375.0	345.6	315.6	300.0	297.4
52.5°	2864.7	2630.1	1150.8	401.8	360.6	368.6	359.0	330.6	303.8	290.4	287.7
55°	3387.7	3064.0	1201.2	367.5	334.3	348.2	347.7	321.5	297.4	284.0	282.3
57.5°	3832.3	3361.4	1193.7	339.7	311.8	329.5	337.5	315.6	293.1	281.8	280.2
60°	4108.8	3518.9	1087.1	314.0	294.7	316.1	331.6	314.0	295.2	292.5	293.1
62.5°	4228.8	3490.0	882.4	294.7	283.4	309.7	338.1	325.2	315.0	321.5	325.2
65°	4042.4	3241.4	649.3	280.2	272.7	311.3	353.1	342.9	315.0	319.3	320.9
67.5°	3524.8	2759.2	469.3	265.7	259.3	316.1	374.5	340.2	296.8	296.8	293.6
70°	2540.1	1984.5	340.7	251.3	245.9	309.1	375.6	322.0	275.9	274.3	266.3
72.5°	1528.5	1170.6	265.7	235.2	225.6	274.3	352.0	300.6	255.6	242.2	232.5
75°	794.0	586.7	222.9	217.5	193.4	232.5	322.0	267.3	218.6	206.8	201.4
77.5°	340.2	274.3	191.3	193.9	160.7	195.6	259.8	231.5	193.9	178.9	174.1
80°	167.7	155.9	151.1	155.4	128.6	151.1	224.0	202.5	164.5	147.3	140.4
82.5°	95.9	91.1	108.8	110.4	91.6	126.4	189.1	171.4	136.1	117.3	106.1
85°	44.5	47.7	65.9	66.4	56.8	86.8	123.8	96.4	72.3	60.0	57.3
87.5°	17.7	20.9	28.9	28.4	16.6	16.1	10.7	5.9	4.8	4.3	3.8
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)