

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: P629394

Luminaire Tested: GWS-SA1B-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3231.8 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

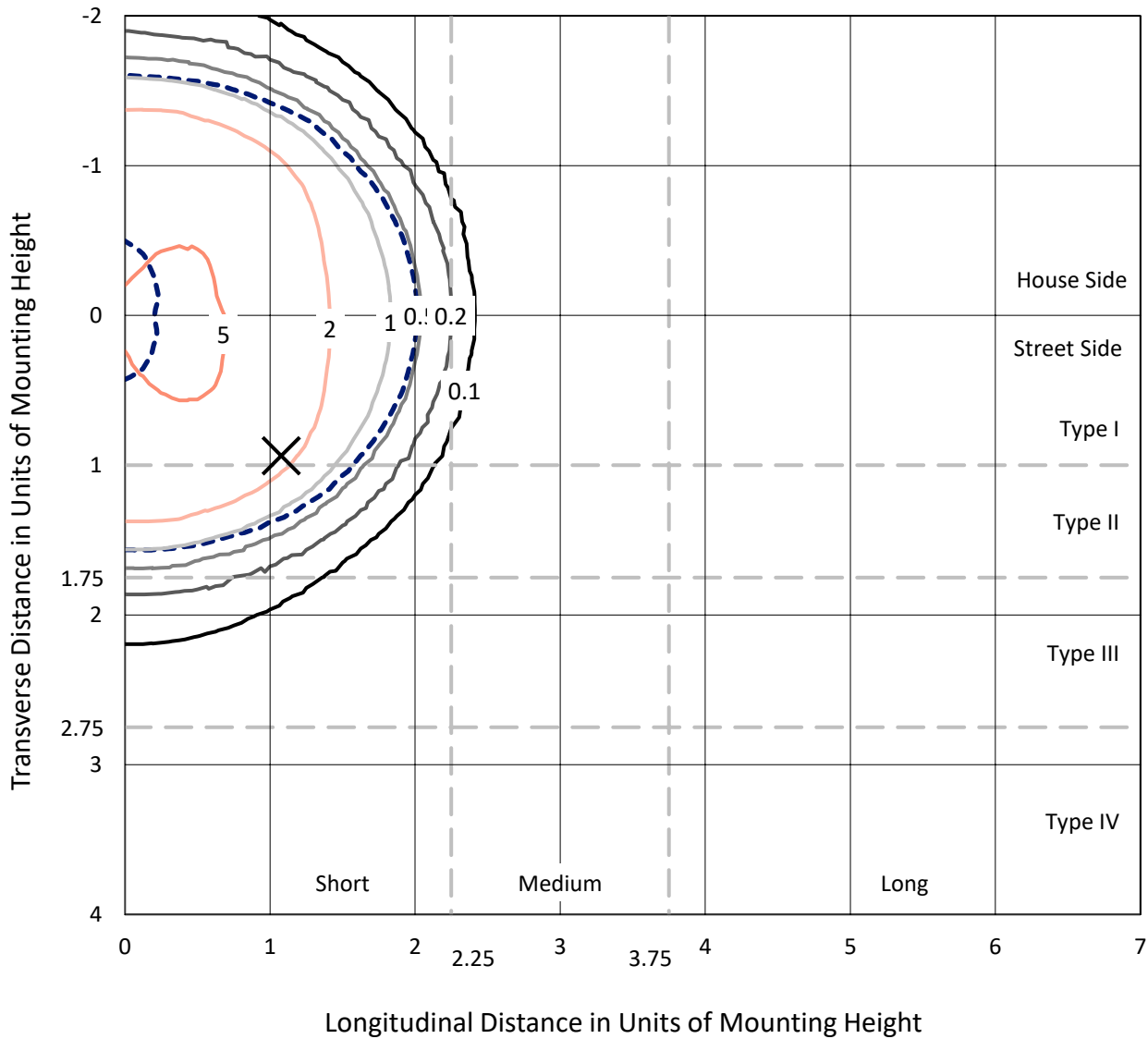
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629394
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Iso-Footcandle Lines of Horizontal Illumination

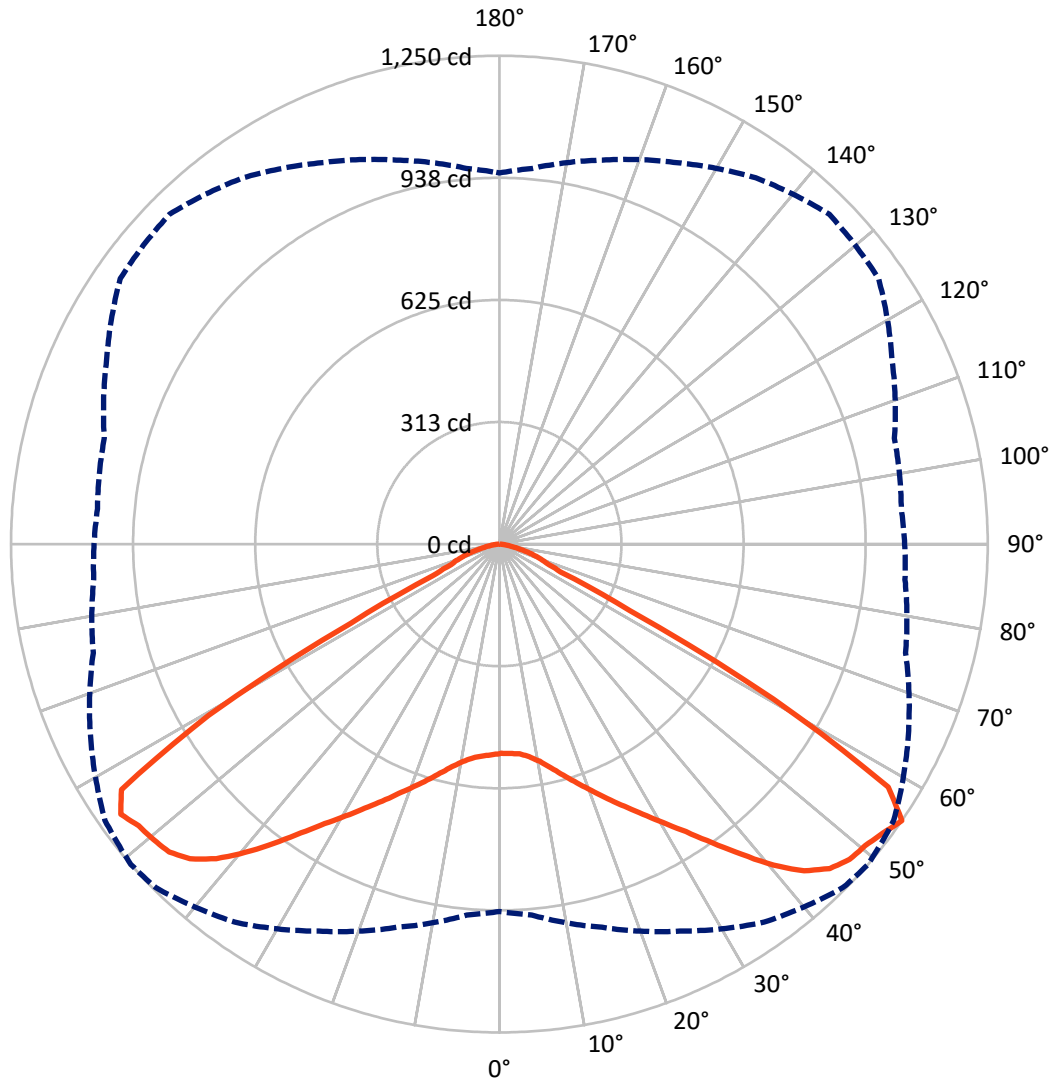
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

REPORT NUMBER: P629394
CATALOG NUMBER: GWS-SA1B-750-U-RW-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.0	0.0	1600.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1631.8	0.0	1631.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	3231.8	0.0	3231.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.6
10°-20°	172.3	5.3
20°-30°	328.1	10.2
30°-40°	556.2	17.2
40°-50°	837.1	25.9
50°-60°	916.2	28.4
60°-70°	289.7	9.0
70°-80°	69.5	2.2
80°-90°	10.4	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°	3231.8	100.0
0°-180°	3231.8	100.0

Coefficient of Utilization



REPORT NUMBER: P629394

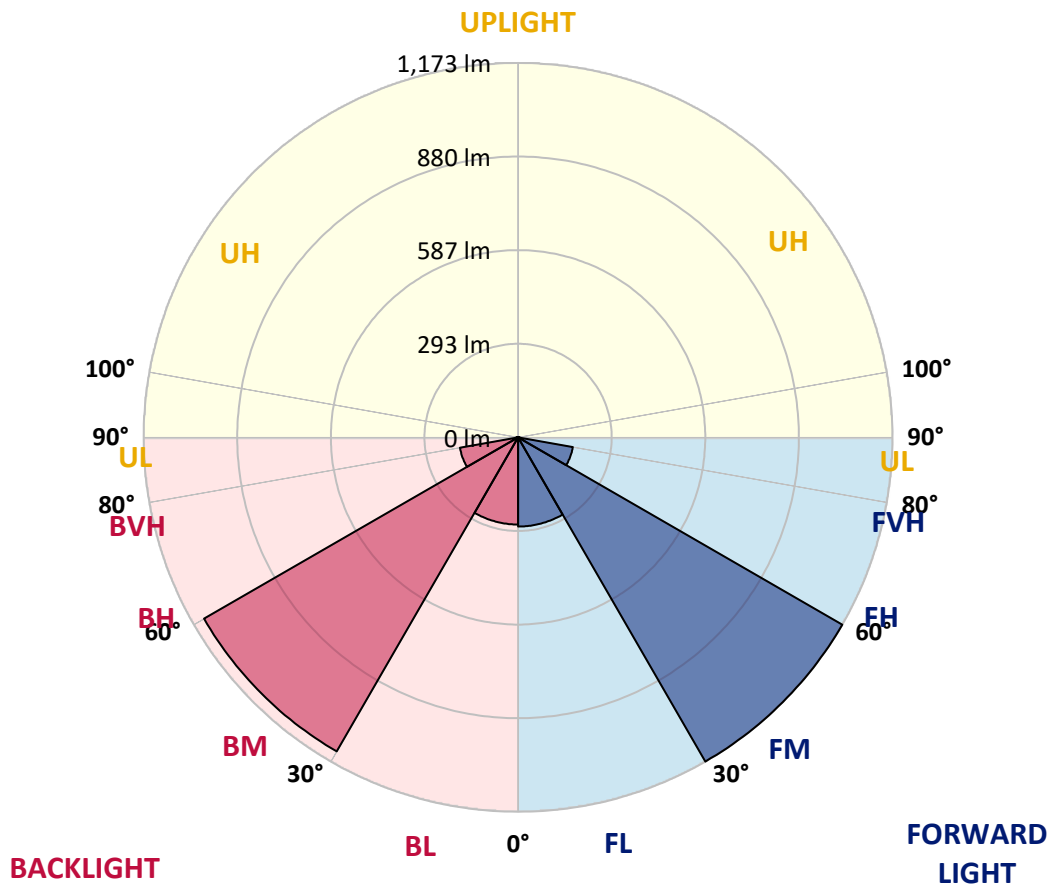
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.4	8.6			
FM (30°-60°)	1173.2	36.3			
FH (60°-80°)	174.3	5.4			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	273.2	8.5	B1/500		
BM (30°-60°)	1136.3	35.2	B2/2500		
BH (60°-80°)	185.0	5.7	B1/500		G0/660
BVH (80°-90°)	5.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P629394
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4
2.5°	527.5	528.0	529.1	530.9	532.7	535.4	536.4	537.7	537.5	539.0	539.0
5°	524.9	525.6	527.2	529.8	533.0	538.0	539.3	542.5	545.6	549.6	550.9
7.5°	528.0	529.1	530.9	535.1	539.8	546.4	549.0	554.3	560.3	567.4	570.3
10°	534.1	535.4	538.5	545.4	553.0	563.0	565.3	571.9	581.6	591.3	597.1
12.5°	540.9	543.0	548.8	559.5	570.8	584.0	587.7	595.8	606.3	618.9	626.8
15°	548.8	550.6	559.5	574.8	592.4	609.7	614.0	621.8	633.7	646.0	657.1
17.5°	565.3	568.5	579.0	596.6	617.1	637.6	642.3	651.3	660.7	670.5	681.0
20°	587.9	590.6	604.0	625.8	650.0	668.6	673.3	681.2	685.7	690.7	699.6
22.5°	610.5	614.2	629.5	655.2	683.6	703.8	707.5	714.9	711.7	710.1	715.9
25°	638.7	643.6	658.6	686.8	715.7	740.6	743.5	749.8	744.6	736.4	736.2
27.5°	673.6	678.1	693.6	722.5	751.1	777.2	782.7	791.1	779.5	769.5	762.4
30°	715.1	718.0	735.1	765.9	795.3	820.0	827.1	835.5	826.8	810.3	803.2
32.5°	763.5	767.4	787.2	819.5	845.8	870.5	877.6	888.1	878.6	860.0	851.0
35°	821.6	825.5	846.3	881.5	908.3	933.8	938.8	947.5	935.6	914.1	907.0
37.5°	884.7	889.7	915.9	949.3	977.4	1007.1	1007.4	1010.0	993.2	966.4	958.5
40°	955.6	962.2	988.5	1023.2	1057.1	1081.2	1081.0	1073.6	1045.2	1003.7	991.6
42.5°	1025.8	1031.0	1057.6	1093.3	1127.2	1150.1	1143.3	1125.4	1084.4	1027.9	1011.9
45°	1076.5	1080.5	1108.3	1148.5	1183.0	1197.2	1184.8	1163.2	1107.8	1043.1	1019.5
47.5°	1100.4	1105.7	1133.8	1173.8	1212.7	1220.8	1206.1	1185.9	1121.5	1057.3	1025.5
50°	1087.6	1094.4	1126.2	1163.2	1207.1	1224.0	1213.4	1193.2	1135.9	1071.3	1036.3
52.5°	1054.2	1060.7	1101.0	1145.9	1195.6	1229.0	1228.7	1212.1	1152.5	1075.2	1036.8
55°	940.1	953.0	1015.5	1093.1	1181.4	1243.7	1250.0	1232.4	1155.1	1076.3	1042.3
57.5°	611.8	634.5	693.8	794.8	971.9	1131.2	1173.8	1178.0	1136.2	1071.8	1043.4
60°	255.5	273.6	320.6	387.7	534.1	723.5	806.1	888.9	988.7	1025.0	1033.7
62.5°	158.7	160.3	165.1	180.3	229.2	321.7	374.8	452.3	600.8	727.2	785.6
65°	143.2	144.0	145.1	144.0	146.4	157.7	171.9	199.0	259.4	322.2	396.9
67.5°	126.2	127.2	128.0	127.2	128.0	128.5	130.1	132.5	143.5	152.4	159.3
70°	102.0	103.6	104.9	104.3	107.5	107.5	109.1	110.9	116.4	123.0	127.7
72.5°	77.8	76.5	78.1	78.6	81.5	83.1	85.4	87.5	93.8	97.8	103.8
75°	50.5	49.1	51.5	52.8	56.8	58.9	61.0	63.1	67.5	70.2	76.0
77.5°	27.3	27.1	29.4	31.3	35.5	38.1	39.7	41.3	44.9	45.7	49.4
80°	15.8	15.8	17.3	18.7	21.3	24.2	25.8	27.1	29.7	30.5	32.1
82.5°	8.7	8.7	9.5	10.3	12.4	13.9	15.2	16.3	18.7	19.4	20.2
85°	4.2	3.9	4.5	5.0	5.8	6.6	7.4	7.9	9.7	10.3	11.3
87.5°	0.5	0.5	0.5	0.8	1.1	1.6	1.8	1.8	2.9	3.4	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629394
 CATALOG NUMBER: GWS-SA1B-750-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4	535.4
2.5°	540.6	537.2	539.3	540.1	540.1	539.3	535.9	534.8	533.3	530.9	530.9
5°	552.7	550.1	550.6	549.3	546.1	542.2	535.9	532.7	530.1	527.2	527.0
7.5°	573.5	570.1	569.5	564.5	556.1	547.7	538.3	532.5	528.5	524.9	524.6
10°	600.5	597.4	593.5	583.5	571.1	558.8	545.9	538.0	532.2	527.0	526.7
12.5°	630.8	627.1	619.7	605.0	589.5	577.4	562.7	550.6	541.9	534.8	533.5
15°	663.6	658.4	645.8	628.4	613.2	600.3	584.5	567.2	554.0	542.7	541.4
17.5°	688.9	682.0	668.4	652.1	639.4	626.6	606.1	584.3	565.3	551.1	549.0
20°	706.2	700.7	685.2	673.1	665.7	654.4	630.5	605.8	584.5	566.6	565.6
22.5°	722.2	715.7	700.4	693.3	693.3	685.7	662.8	633.7	608.7	587.9	585.3
25°	740.4	733.3	721.7	720.9	724.6	721.2	693.6	662.3	633.1	609.7	605.5
27.5°	765.6	757.7	750.9	755.6	760.9	757.2	726.4	690.2	659.4	635.8	632.1
30°	805.8	796.1	789.8	795.6	805.8	795.0	761.7	723.3	692.3	666.3	664.4
32.5°	852.6	841.6	835.0	844.2	853.4	836.6	803.4	766.7	734.1	706.7	703.6
35°	908.8	894.9	885.2	897.5	907.0	890.4	857.6	822.6	786.4	758.0	753.8
37.5°	958.8	942.0	935.4	952.7	965.3	954.6	918.8	886.0	846.3	815.3	813.4
40°	995.0	978.5	973.8	1002.4	1024.5	1021.8	989.8	952.2	914.9	879.1	875.7
42.5°	1010.8	999.2	1000.3	1038.9	1073.1	1089.9	1061.3	1021.1	985.1	948.0	945.6
45°	1014.2	1007.1	1015.5	1063.9	1108.8	1143.3	1118.8	1085.2	1044.5	1008.7	1007.7
47.5°	1017.9	1014.0	1026.8	1078.1	1131.4	1171.4	1157.7	1123.0	1081.8	1046.8	1044.2
50°	1026.6	1025.0	1039.5	1088.1	1142.2	1179.0	1163.5	1129.1	1086.8	1052.3	1046.0
52.5°	1029.2	1026.6	1047.3	1103.6	1160.1	1178.8	1145.4	1100.4	1057.9	1019.5	1012.9
55°	1037.4	1032.6	1046.8	1109.4	1184.8	1194.0	1144.3	1077.0	1017.6	965.3	949.8
57.5°	1039.5	1034.2	1043.4	1099.9	1158.0	1149.8	1005.8	869.2	757.2	699.1	705.7
60°	1028.2	1029.7	1014.0	1007.7	928.8	820.0	615.8	492.3	386.6	341.9	351.7
62.5°	782.7	789.3	735.4	639.4	491.7	389.8	257.8	200.3	169.5	161.6	162.9
65°	395.0	404.0	348.0	287.8	213.9	172.9	149.5	144.8	143.2	141.4	141.4
67.5°	156.4	159.0	156.9	146.9	136.7	133.0	131.9	131.4	129.6	128.5	128.8
70°	125.6	127.7	124.6	118.3	114.1	113.8	113.3	112.2	110.9	110.9	111.7
72.5°	102.5	104.6	100.1	96.2	93.0	90.7	89.4	88.6	86.7	86.7	87.5
75°	75.4	76.7	73.1	72.5	69.1	66.8	64.7	63.6	61.2	60.2	61.0
77.5°	50.2	49.9	48.1	48.1	46.8	43.9	41.5	39.2	36.0	33.9	34.4
80°	32.6	32.6	31.8	31.8	30.5	28.1	25.2	22.9	21.0	19.4	19.4
82.5°	20.8	20.5	20.2	20.0	19.4	17.1	15.0	13.4	12.1	11.0	11.3
85°	11.6	11.6	11.0	11.0	10.0	8.7	7.6	6.6	5.8	5.5	5.5
87.5°	3.9	3.9	3.7	3.7	3.2	2.4	1.8	1.6	1.3	1.1	1.3
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)