

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: P629624

Luminaire Tested: GWS-SA1C-722-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

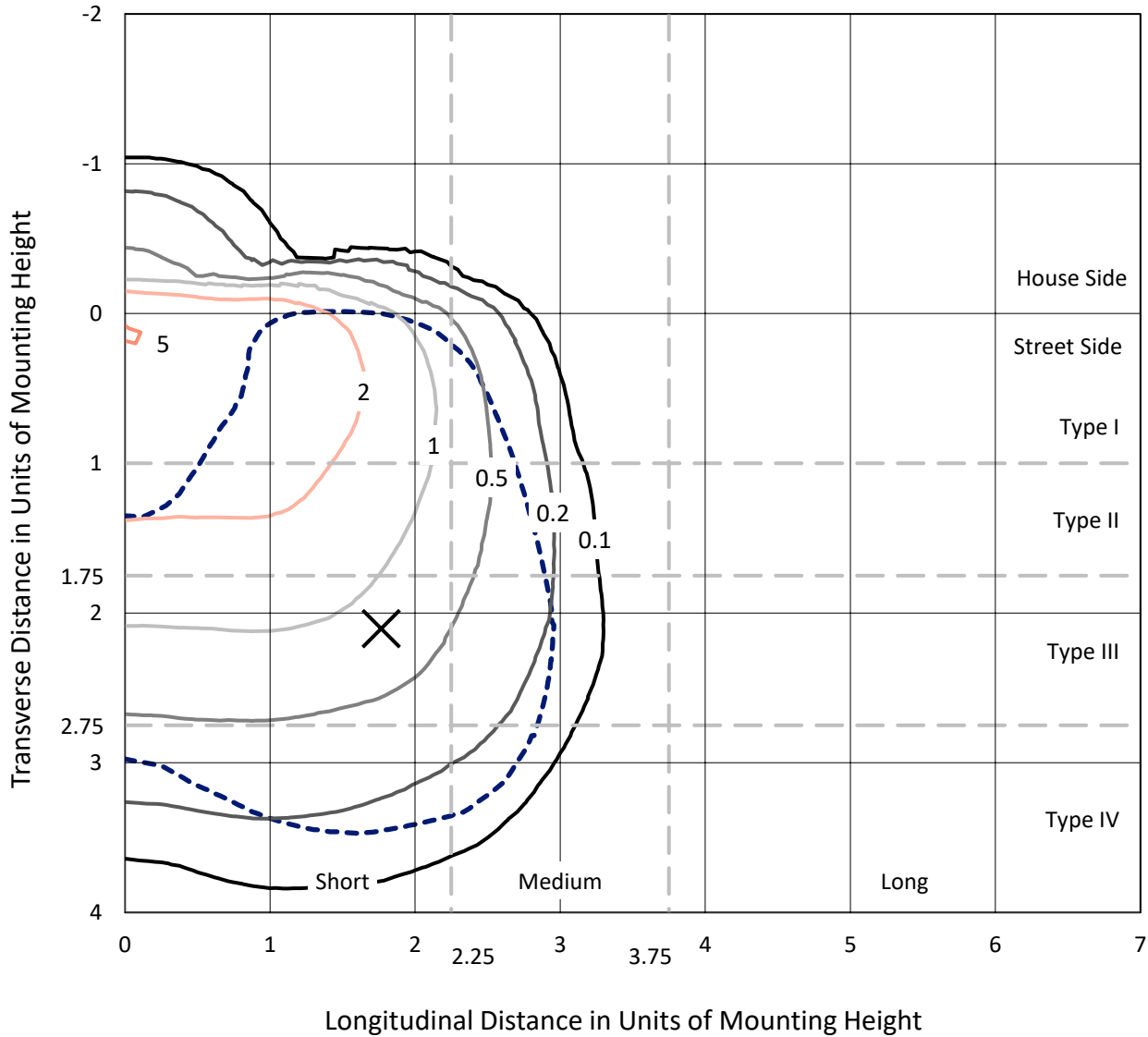
Lumens per Lamp: N/A  
Luminaire Lumens: 2789.6 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P629624  
 CATALOG NUMBER: GWS-SA1C-722-U-SL4-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

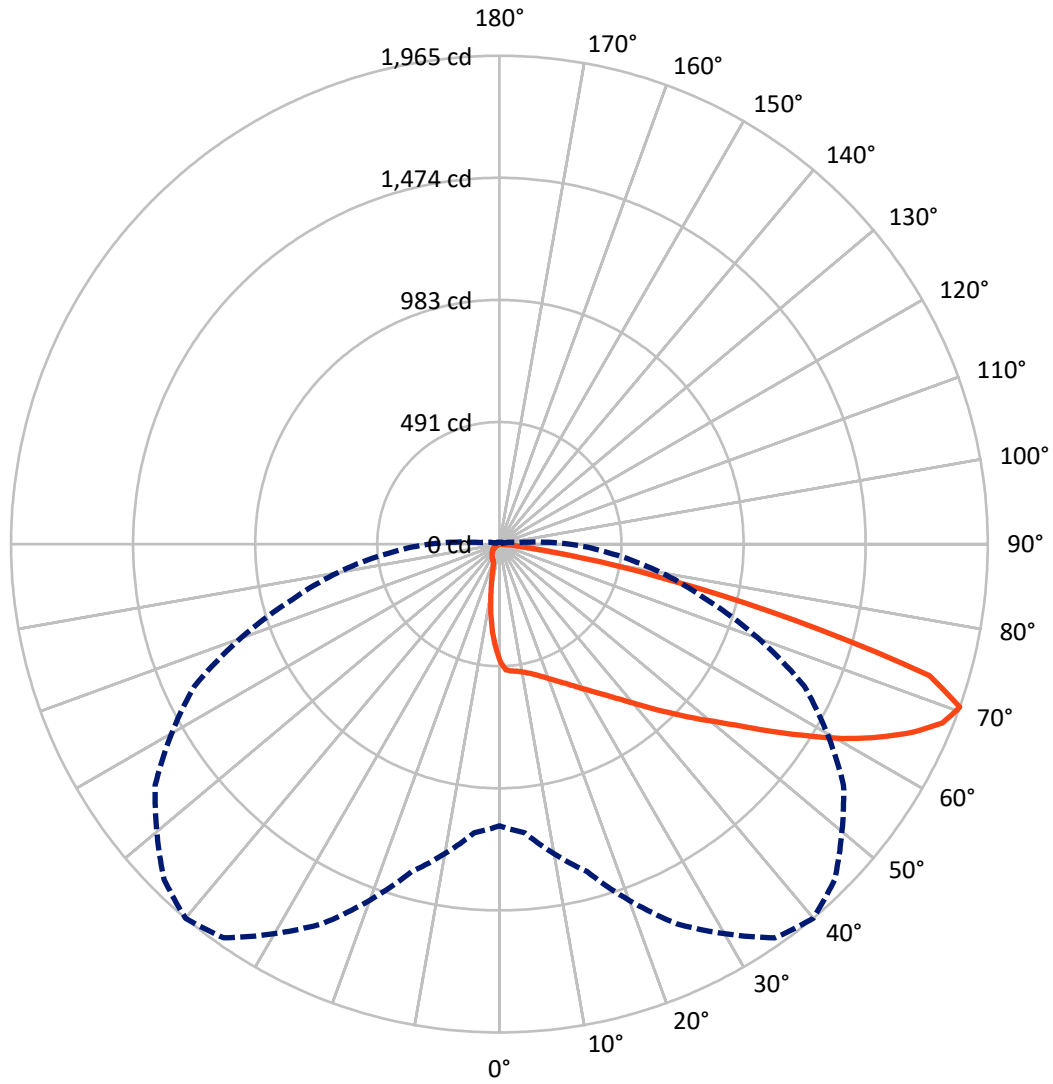
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P629624  
CATALOG NUMBER: GWS-SA1C-722-U-SL4-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629624  
 CATALOG NUMBER: GWS-SA1C-722-U-SL4-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	228.1	0.0	228.1
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	2561.5	0.0	2561.5
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	2789.6	0.0	2789.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.0	1.4
10°-20°	101.5	3.6
20°-30°	169.8	6.1
30°-40°	266.7	9.6
40°-50°	421.9	15.1
50°-60°	615.5	22.1
60°-70°	763.0	27.4
70°-80°	386.0	13.8
80°-90°	25.2	0.9
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°	2789.6	100.0
0°-180°	2789.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629624

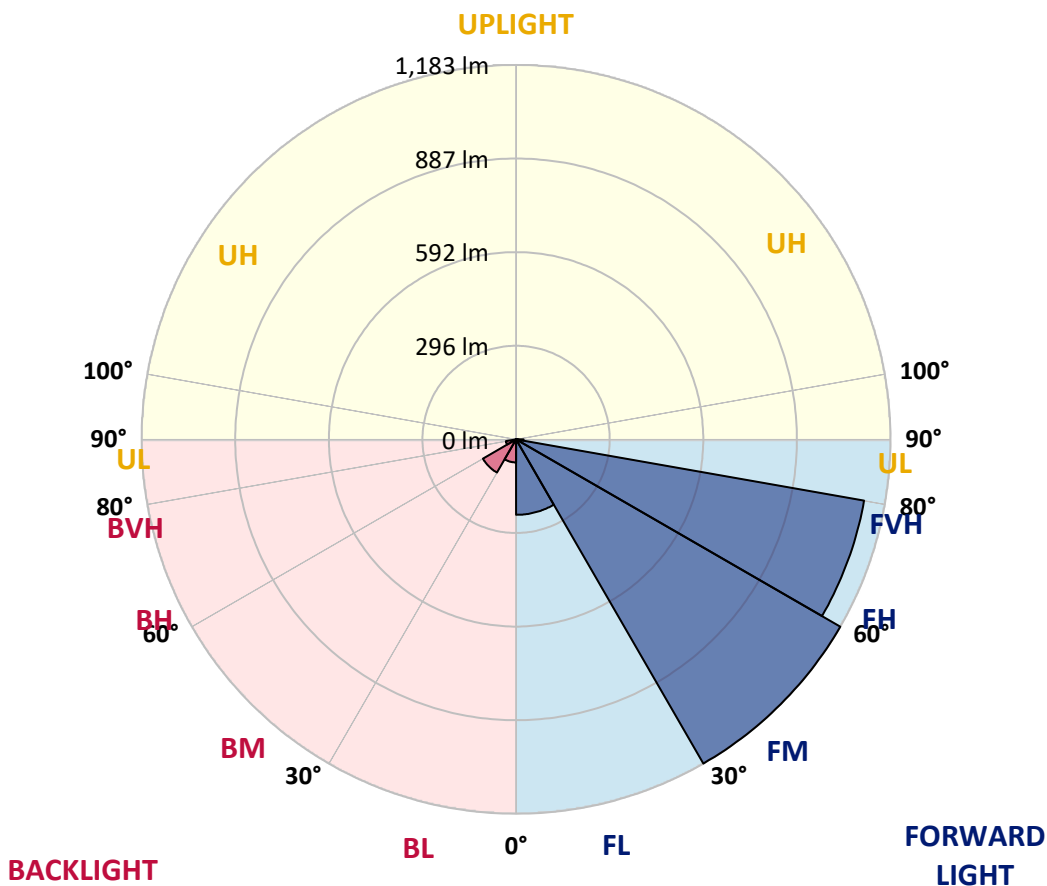
CATALOG NUMBER: GWS-SA1C-722-U-SL4-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.5	8.5			
FM (30°-60°)	1183.0	42.4			
FH (60°-80°)	1116.4	40.0			G1/1800
FVH (80°-90°)	23.5	0.8			G1/100
BL (0°-30°)	72.8	2.6	B0/110		
BM (30°-60°)	121.1	4.3	B0/220		
BH (60°-80°)	32.5	1.2	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





REPORT NUMBER: P629624

CATALOG NUMBER: GWS-SA1C-722-U-SL4-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4
2.5°	508.9	510.7	510.4	511.2	509.4	506.6	506.1	502.3	495.4	486.8	477.2
5°	519.3	521.3	519.8	519.0	515.7	512.7	511.9	507.9	500.0	488.3	471.6
7.5°	528.2	528.7	527.7	525.9	521.1	517.0	514.2	508.6	499.3	487.6	468.3
10°	529.7	529.5	530.0	530.2	527.2	523.6	521.3	513.7	501.8	489.4	468.5
12.5°	527.9	527.9	531.2	535.0	535.0	533.3	531.0	524.1	510.2	495.4	473.6
15°	530.2	531.0	537.3	544.4	546.7	544.9	543.9	536.8	522.3	506.1	482.8
17.5°	538.3	539.1	549.3	559.9	562.7	560.7	558.6	551.5	536.1	518.3	493.2
20°	550.3	552.3	565.2	578.9	581.5	578.9	574.9	565.0	549.5	531.5	503.1
22.5°	572.1	573.4	587.3	601.8	603.1	599.0	592.9	579.2	563.0	545.4	514.2
25°	601.0	602.8	616.8	630.7	627.4	621.3	613.0	597.5	578.9	561.9	528.4
27.5°	635.5	637.6	651.3	663.5	654.8	647.7	638.3	619.1	600.3	584.8	546.7
30°	672.9	674.6	686.8	697.7	686.3	677.9	666.8	647.0	627.9	616.3	572.6
32.5°	708.9	708.6	720.3	729.2	717.5	710.9	700.8	680.7	665.5	660.4	611.2
35°	742.4	742.4	752.0	760.9	752.6	749.0	739.6	723.6	715.0	721.1	662.7
37.5°	776.2	774.4	783.5	793.4	792.7	792.9	787.6	780.0	780.5	802.0	733.5
40°	804.1	803.3	814.0	826.9	837.1	845.2	841.9	844.7	860.7	901.0	824.1
42.5°	826.4	828.2	841.9	862.5	888.1	904.6	906.9	918.3	959.4	1021.9	926.4
45°	852.1	852.3	871.3	902.8	943.7	969.8	979.0	1008.4	1066.8	1147.2	1038.6
47.5°	883.5	880.5	901.8	946.0	1005.1	1043.7	1059.9	1096.7	1187.1	1269.6	1130.0
50°	918.3	912.7	936.8	997.0	1073.9	1122.1	1155.1	1208.9	1306.4	1370.1	1198.0
52.5°	958.7	953.3	980.7	1055.6	1156.4	1215.0	1257.4	1311.7	1408.7	1446.7	1238.6
55°	1009.9	1004.6	1033.5	1125.9	1253.8	1330.0	1374.4	1420.1	1503.8	1503.3	1268.1
57.5°	1066.8	1059.4	1099.5	1214.8	1375.4	1454.6	1499.8	1522.1	1576.2	1547.2	1287.8
60°	1132.0	1125.4	1181.0	1320.6	1515.8	1589.1	1617.6	1608.4	1635.6	1573.1	1281.0
62.5°	1190.9	1187.8	1256.9	1432.8	1649.5	1711.5	1719.3	1679.5	1679.2	1573.6	1234.8
65°	1252.1	1257.9	1360.4	1562.0	1784.1	1825.7	1812.2	1750.0	1696.7	1511.5	1098.2
67.5°	1274.9	1291.9	1428.7	1678.7	1890.1	1922.6	1899.0	1785.3	1623.9	1302.3	836.3
70°	1133.8	1165.8	1364.2	1685.3	1934.1	1965.0	1908.4	1690.4	1353.8	862.7	458.1
72.5°	862.2	899.5	1136.8	1380.0	1739.4	1809.9	1713.2	1377.2	872.6	377.9	153.8
75°	482.5	522.9	846.7	1039.1	1167.8	1232.3	1196.7	883.5	386.6	98.7	45.9
77.5°	163.2	176.7	393.9	642.9	770.8	713.0	603.6	438.8	142.1	37.6	24.4
80°	96.7	101.8	146.7	320.1	405.6	336.3	265.5	162.2	72.3	20.1	17.0
82.5°	28.9	34.3	81.0	118.8	158.9	99.0	83.8	92.6	37.6	10.9	14.2
85°	0.0	0.0	17.3	36.8	41.6	16.2	16.2	52.5	6.9	4.6	10.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0.8	1.0	2.3
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: P629624  
 CATALOG NUMBER: GWS-SA1C-722-U-SL4-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4
2.5°	470.3	461.4	451.0	441.1	431.7	419.6	413.7	406.6	400.5	397.2	399.0
5°	460.9	447.0	425.6	404.1	382.2	361.7	343.2	330.7	319.6	313.7	315.0
7.5°	452.8	434.0	400.8	365.5	330.5	295.2	266.5	244.2	226.9	219.8	218.5
10°	449.2	425.6	378.7	327.9	274.1	226.7	186.0	161.4	143.9	135.3	136.8
12.5°	451.0	421.3	359.9	291.1	221.3	166.0	127.2	104.1	91.6	86.6	85.3
15°	456.1	420.3	343.2	253.6	170.8	116.0	87.8	78.4	75.9	75.4	75.4
17.5°	461.9	420.6	325.9	215.5	129.7	86.0	75.1	73.4	72.6	72.1	72.3
20°	467.8	420.6	306.1	176.9	97.5	74.4	71.6	70.3	69.5	69.3	69.3
22.5°	474.9	420.6	284.0	141.1	78.2	70.6	68.3	67.5	66.8	66.5	66.2
25°	483.5	420.8	259.7	110.4	71.1	67.3	65.5	64.7	64.0	63.5	63.5
27.5°	496.0	422.9	232.7	86.0	67.0	64.2	62.7	61.9	61.2	60.4	60.4
30°	514.0	427.9	202.5	71.1	63.2	60.9	59.4	58.9	58.1	57.4	57.1
32.5°	540.9	436.8	171.3	63.7	59.6	57.4	55.6	55.1	54.3	53.6	53.3
35°	578.4	453.1	140.9	59.1	55.1	52.8	51.8	51.5	50.5	49.7	49.7
37.5°	633.5	479.5	111.7	54.6	51.3	49.5	48.2	47.7	46.7	45.9	45.7
40°	700.8	513.7	86.8	51.0	47.7	45.9	44.7	43.9	42.6	41.6	41.1
42.5°	786.6	555.6	68.5	47.2	44.4	42.6	41.6	40.1	38.3	36.8	36.5
45°	875.9	598.7	56.6	43.7	41.4	39.8	38.6	36.5	34.0	32.2	31.7
47.5°	944.4	625.6	49.5	39.8	38.1	36.8	35.3	32.7	29.7	27.7	27.2
50°	993.4	629.7	44.2	36.3	35.3	34.0	31.7	28.7	25.4	23.4	22.8
52.5°	1017.5	611.4	39.8	33.0	32.2	31.0	28.2	24.9	21.3	19.3	18.8
55°	1028.5	576.9	35.8	30.2	29.2	27.7	24.6	21.1	17.5	15.7	15.2
57.5°	1024.1	525.9	32.2	27.4	26.1	24.4	21.1	17.3	14.5	12.7	12.4
60°	992.2	454.3	28.7	24.6	23.1	21.1	17.8	14.2	11.7	10.4	10.2
62.5°	923.1	365.5	25.1	21.3	20.3	18.3	15.2	11.7	9.6	8.9	8.6
65°	781.7	258.4	21.6	18.0	17.5	15.5	12.7	9.6	8.4	7.9	7.6
67.5°	561.9	157.1	18.3	15.5	15.0	13.2	10.7	8.4	7.6	7.4	7.4
70°	282.5	74.4	14.5	12.7	12.7	10.9	9.1	7.6	7.4	7.1	7.1
72.5°	95.9	31.7	10.9	9.9	10.4	9.4	7.9	7.1	7.1	7.1	7.1
75°	32.7	16.8	7.6	7.1	7.6	7.6	6.9	6.9	7.1	7.1	7.1
77.5°	21.3	11.2	5.3	4.8	5.8	5.8	5.8	6.3	6.9	6.9	6.9
80°	17.5	6.1	3.6	3.3	4.3	4.3	4.8	5.8	6.3	6.3	6.3
82.5°	15.0	3.8	2.0	2.3	3.0	3.3	4.1	4.8	5.6	5.8	5.8
85°	10.2	2.0	1.5	1.8	2.0	2.5	3.3	4.1	4.6	5.1	5.1
87.5°	2.8	0.8	1.0	1.3	1.3	1.8	2.5	3.0	3.6	3.8	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)