

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: P629414

Luminaire Tested: GWS-SA1B-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

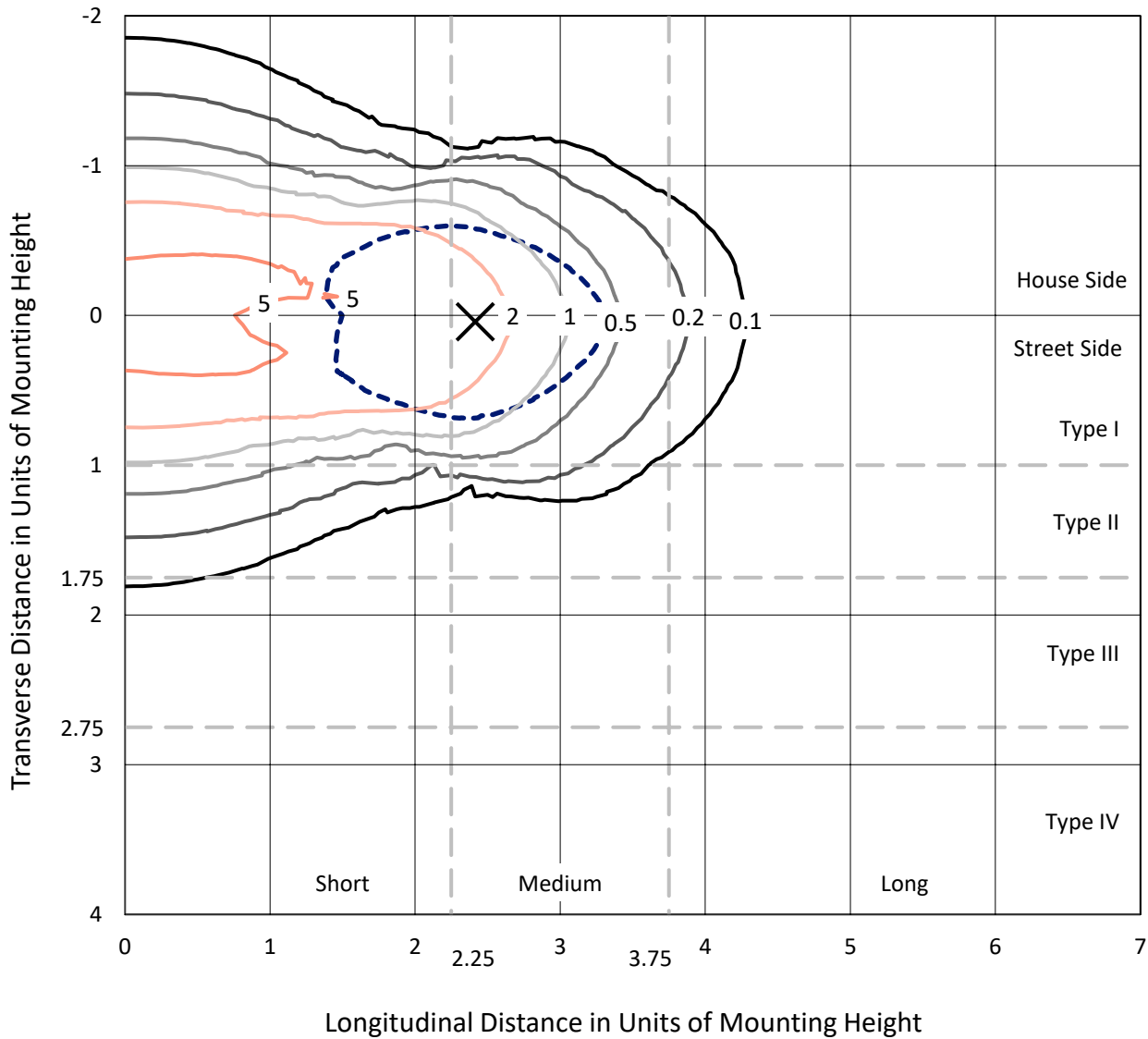
Lumens per Lamp: N/A  
Luminaire Lumens: 3659.4 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

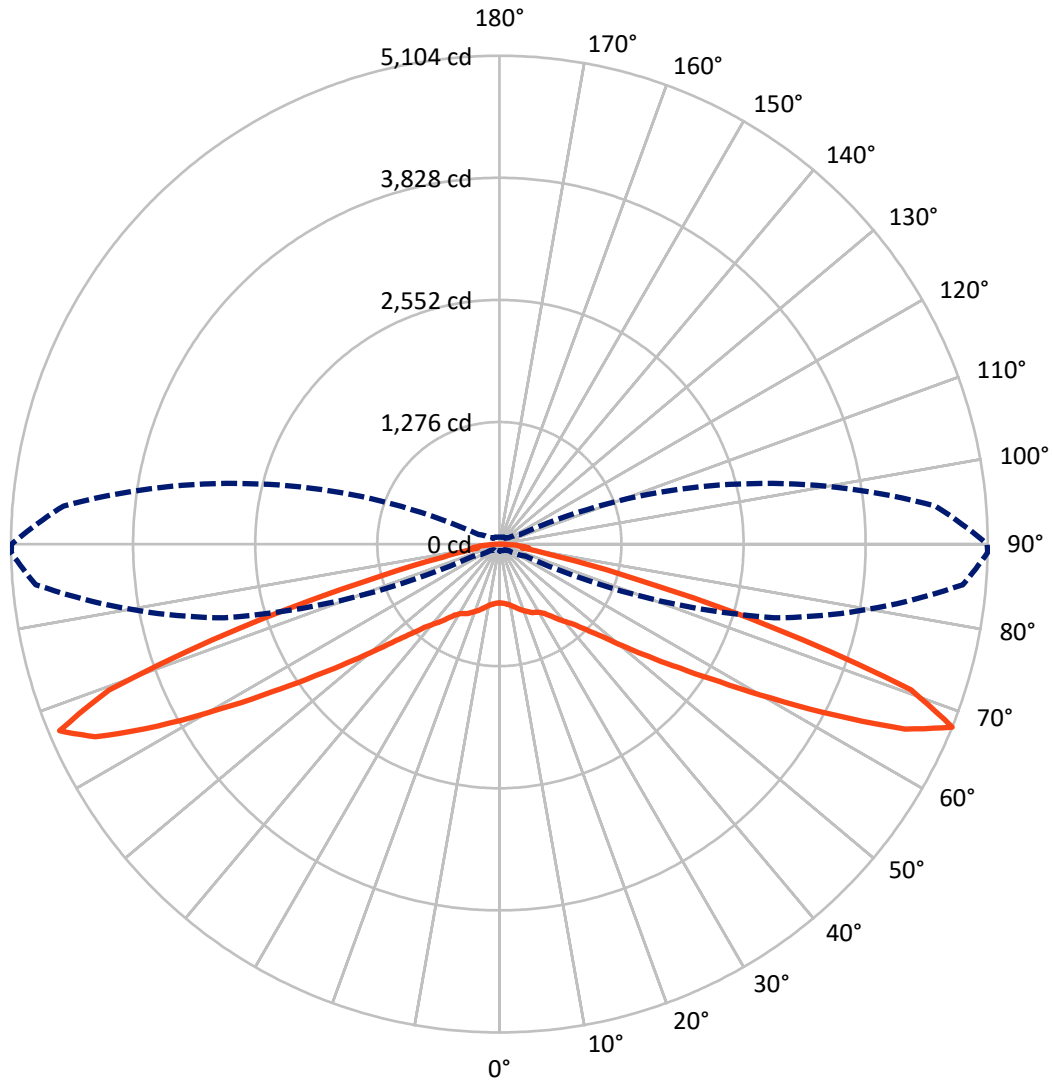
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1813.7	0.0	1813.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	1845.7	0.0	1845.7
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	3659.4	0.0	3659.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.6	1.7
10°-20°	200.6	5.5
20°-30°	339.1	9.3
30°-40°	465.4	12.7
40°-50°	593.5	16.2
50°-60°	744.6	20.3
60°-70°	898.1	24.5
70°-80°	324.9	8.9
80°-90°	31.6	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°	3659.4	100.0
0°-180°	3659.4	100.0

**Coefficient of Utilization**



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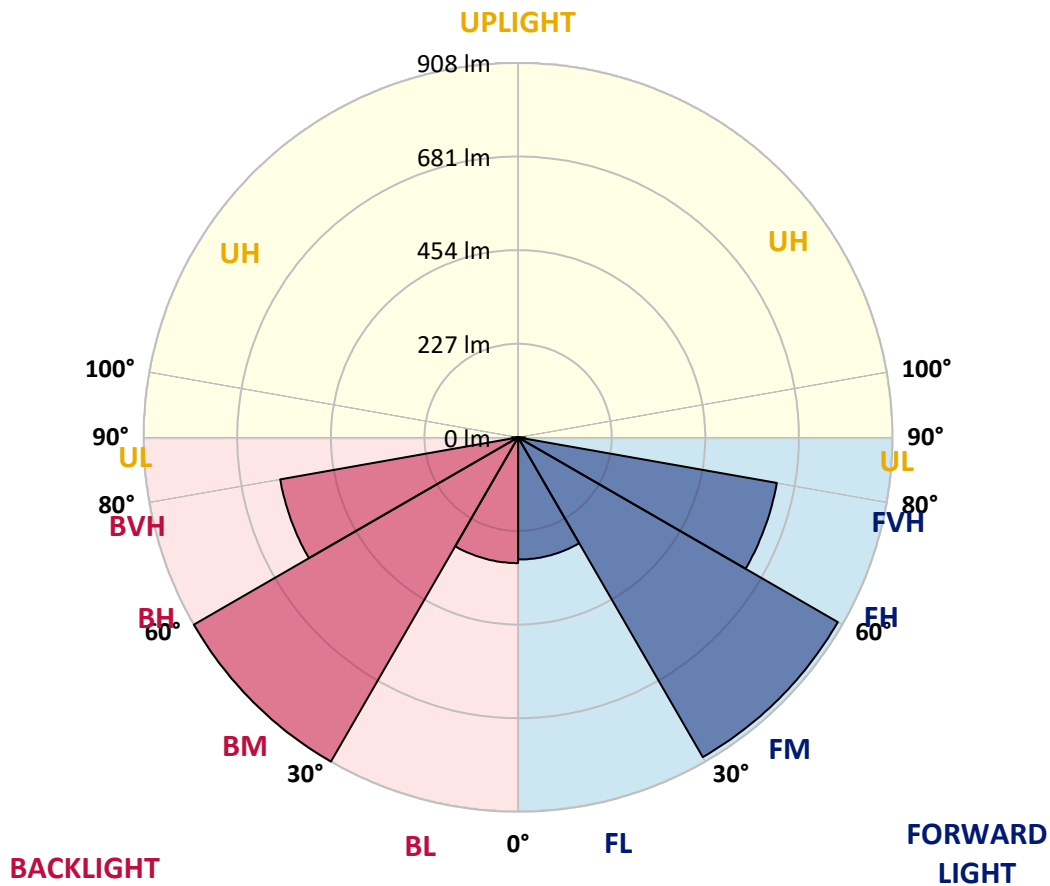
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.4	8.1			
FM (30°-60°)	895.5	24.5			
FH (60°-80°)	637.2	17.4			G0/660
FVH (80°-90°)	16.7	0.5			G1/100
BL (0°-30°)	305.0	8.3	B1/500		
BM (30°-60°)	908.0	24.8	B1/1000		
BH (60°-80°)	585.8	16.0	B2/1000		G2/1000
BVH (80°-90°)	14.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2
2.5°	616.0	615.5	614.2	618.1	617.4	617.6	619.2	618.1	616.3	613.1	617.6
5°	633.4	633.1	630.2	632.6	630.0	628.1	627.9	625.2	623.1	619.7	624.5
7.5°	650.2	649.9	647.6	651.8	649.7	647.6	645.2	640.0	635.0	630.0	635.2
10°	663.1	662.8	662.3	668.3	668.9	669.7	668.6	659.7	651.0	645.0	650.2
12.5°	670.4	671.2	672.5	683.6	689.1	694.4	695.7	688.3	673.9	665.2	671.5
15°	665.4	667.0	673.6	693.6	708.8	720.6	725.6	719.6	700.9	686.5	693.6
17.5°	641.5	642.8	655.7	686.2	719.9	747.2	755.3	751.7	730.9	713.3	720.1
20°	608.4	611.3	625.2	667.8	718.0	765.6	787.4	786.1	763.5	736.4	744.6
22.5°	578.5	581.9	596.6	643.6	705.7	770.3	819.7	823.1	793.2	759.5	766.1
25°	544.8	548.0	566.9	615.0	684.4	766.6	847.3	862.8	826.8	786.1	792.1
27.5°	510.4	512.8	531.4	582.7	656.5	759.8	869.1	906.5	859.9	804.5	808.7
30°	480.2	483.3	500.4	550.3	626.0	746.1	887.0	953.0	898.0	825.2	828.7
32.5°	451.0	453.6	472.3	518.5	593.7	725.1	903.0	1007.6	954.5	863.9	863.9
35°	414.2	418.9	440.0	488.0	563.2	697.3	914.6	1071.2	1031.8	920.9	921.2
37.5°	380.3	382.9	405.0	453.6	531.2	665.7	915.7	1137.2	1129.6	993.4	994.0
40°	341.7	345.1	368.7	416.8	494.4	632.6	905.7	1198.7	1232.1	1068.1	1065.2
42.5°	302.5	307.5	330.1	377.1	454.7	592.1	879.1	1257.3	1362.2	1154.6	1147.5
45°	264.7	267.8	290.4	334.8	409.2	543.8	836.5	1313.6	1516.7	1286.0	1275.7
47.5°	222.1	223.4	246.8	289.4	362.2	489.9	775.6	1363.8	1686.5	1459.9	1442.3
50°	184.2	186.1	204.5	241.0	304.6	426.0	699.6	1393.2	1902.8	1697.3	1666.8
52.5°	149.0	150.9	165.6	194.7	251.8	353.2	605.5	1386.4	2122.2	1991.9	1947.5
55°	120.4	121.7	131.7	154.5	198.2	281.0	494.4	1325.1	2365.9	2376.6	2281.0
57.5°	101.7	102.2	109.1	123.0	154.8	216.6	381.6	1180.6	2621.3	2867.6	2710.4
60°	90.9	91.2	94.4	103.0	122.2	165.3	279.6	950.3	2886.0	3481.8	3266.3
62.5°	84.1	84.1	86.7	91.7	101.4	127.2	205.5	682.5	3076.0	4150.1	3935.9
65°	77.5	77.5	79.4	83.6	88.8	103.8	154.3	440.2	3169.3	4708.9	4661.3
67.5°	69.1	69.4	70.7	75.2	79.9	86.7	117.0	297.8	2975.6	4863.4	5104.1
70°	61.2	61.5	63.3	66.2	70.2	74.9	91.5	205.3	2165.9	4050.5	4563.8
72.5°	52.6	53.6	54.9	58.1	60.4	63.9	74.6	133.0	1260.2	2605.6	3016.9
75°	43.1	44.4	46.0	49.1	50.7	52.0	61.5	94.9	606.3	1320.4	1503.6
77.5°	33.4	34.7	36.5	39.4	40.5	42.1	47.0	68.6	290.4	585.3	631.0
80°	22.3	22.9	24.4	27.9	29.7	30.7	34.7	46.8	126.2	235.0	232.9
82.5°	13.7	13.9	14.5	16.6	17.3	18.4	22.6	28.6	60.2	267.0	306.2
85°	5.0	4.7	4.5	5.8	6.8	7.9	10.5	14.5	26.3	183.4	205.3
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.1	2.1	6.3	68.6	47.0
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°	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2
2.5°	616.3	613.4	617.1	619.7	625.5	627.6	628.1	626.3	626.3	623.1	623.7
5°	623.4	621.6	627.6	632.1	640.5	643.6	645.7	644.4	645.2	643.1	643.6
7.5°	634.2	632.6	643.1	651.8	660.5	664.1	666.0	664.9	665.2	662.6	663.3
10°	649.2	649.7	662.3	673.6	685.2	688.8	689.6	686.5	683.8	679.1	679.4
12.5°	669.7	672.3	690.2	702.8	714.6	719.9	714.1	702.5	691.7	683.6	682.5
15°	692.0	696.7	722.5	738.5	751.4	748.8	731.7	705.7	684.4	672.3	669.9
17.5°	718.8	725.9	758.2	777.4	788.4	771.6	735.9	697.0	667.3	651.0	647.8
20°	744.0	755.3	796.1	821.0	822.4	784.5	734.0	679.4	642.1	622.1	617.9
22.5°	767.2	781.6	835.8	867.6	850.5	790.3	722.7	654.4	611.6	588.2	584.5
25°	792.4	812.9	882.0	911.7	878.6	787.9	699.1	623.4	574.8	550.9	548.2
27.5°	809.7	835.5	928.5	956.9	901.7	774.5	668.6	589.5	541.1	518.5	514.9
30°	829.7	862.6	979.8	1006.1	915.9	754.8	636.0	558.0	509.9	485.4	482.8
32.5°	866.0	907.2	1043.4	1058.1	920.4	730.4	604.7	527.5	477.3	452.8	449.2
35°	924.3	972.7	1132.7	1116.2	917.0	703.6	575.0	491.7	443.9	421.0	417.4
37.5°	997.9	1058.1	1232.3	1168.5	907.5	674.1	539.8	461.8	413.9	390.8	388.7
40°	1066.5	1140.6	1344.0	1213.7	888.3	637.9	505.9	430.5	381.6	357.2	352.4
42.5°	1152.4	1251.0	1473.3	1252.8	856.8	594.5	467.8	391.9	341.1	319.1	313.3
45°	1283.1	1405.5	1623.7	1290.4	809.7	541.1	420.0	344.8	296.7	274.1	269.6
47.5°	1446.0	1598.7	1786.6	1312.8	738.2	484.9	365.8	295.1	247.0	221.6	219.5
50°	1674.9	1879.7	1961.4	1308.8	658.4	418.1	304.9	236.0	195.8	177.4	174.5
52.5°	1953.8	2232.4	2150.4	1261.5	573.5	342.2	237.6	185.3	155.3	142.2	139.8
55°	2303.6	2654.7	2349.3	1160.1	466.2	262.0	186.6	146.1	125.6	117.7	116.7
57.5°	2736.7	3201.6	2540.9	989.2	350.6	200.0	143.8	120.6	110.9	106.2	105.9
60°	3308.3	3782.2	2707.3	768.7	251.0	153.0	118.8	107.8	100.1	97.0	96.7
62.5°	3988.0	4309.4	2810.8	523.5	188.7	121.9	104.6	97.8	93.3	91.5	91.2
65°	4686.5	4642.6	2761.4	343.0	143.2	103.5	93.8	90.1	86.2	84.4	84.4
67.5°	5099.2	4572.2	2382.2	238.1	113.5	90.9	84.6	81.2	74.6	73.1	73.1
70°	4516.5	3704.9	1561.4	174.2	92.0	79.6	73.6	68.9	66.2	64.7	64.4
72.5°	2987.2	2410.8	830.2	120.9	76.7	67.8	62.3	60.4	57.3	55.7	55.5
75°	1486.7	1266.2	425.5	87.3	63.9	54.4	52.0	51.2	48.6	46.5	46.0
77.5°	619.7	563.7	198.4	63.3	48.6	43.9	41.8	41.8	38.9	36.5	35.5
80°	233.6	208.2	93.8	43.4	36.0	32.6	31.3	30.2	27.9	25.0	23.4
82.5°	312.5	204.2	46.0	27.1	23.7	21.0	19.2	18.4	17.1	15.8	14.7
85°	202.4	145.1	20.8	13.9	11.8	8.9	7.9	7.4	6.6	5.8	5.3
87.5°	41.3	48.6	6.3	2.6	1.6	0.8	0.8	0.3	0.0	0.0	0.0
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)