

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: P629618

Luminaire Tested: GWS-SA1C-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 2806.6 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

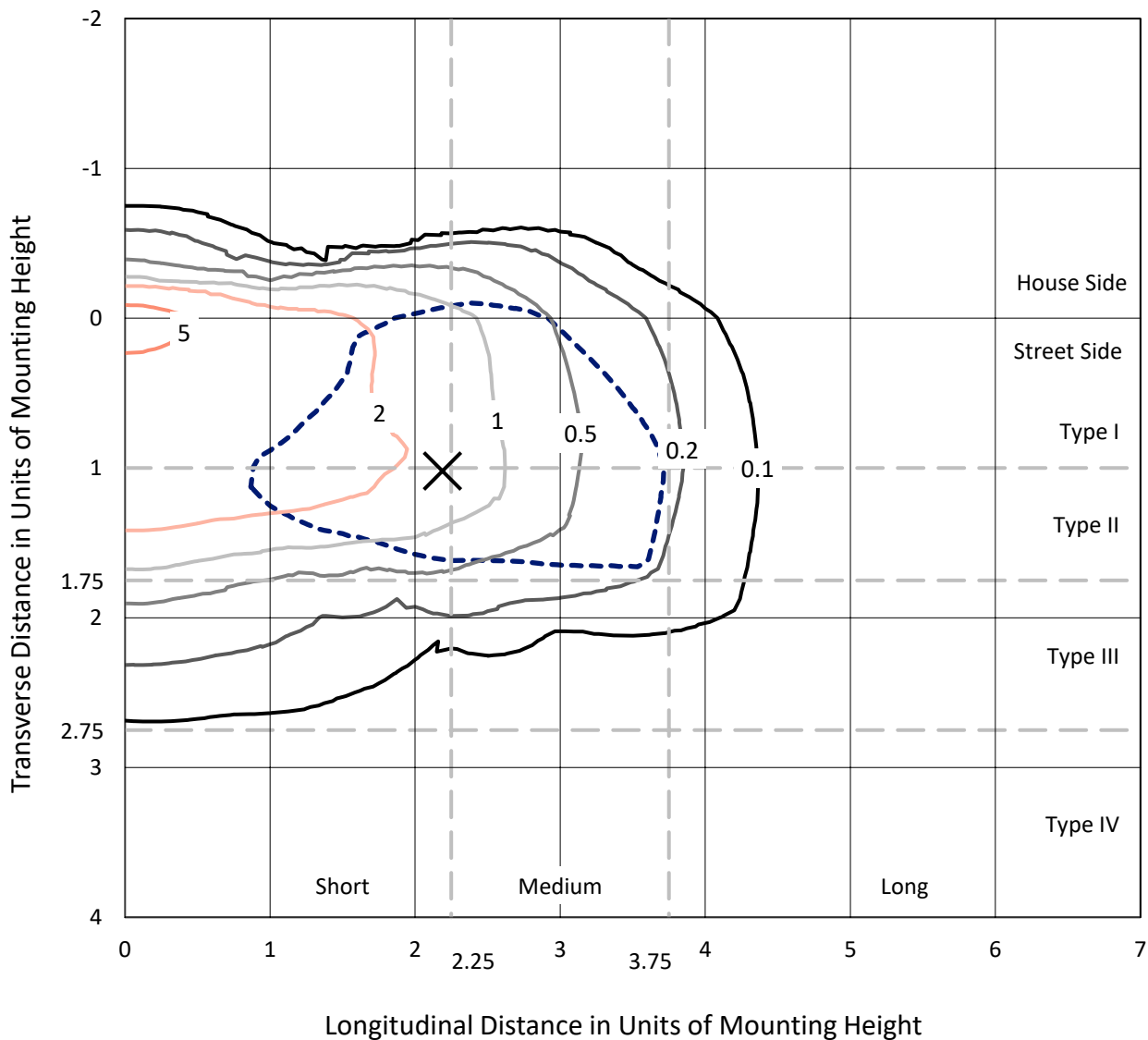
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA1C-722-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

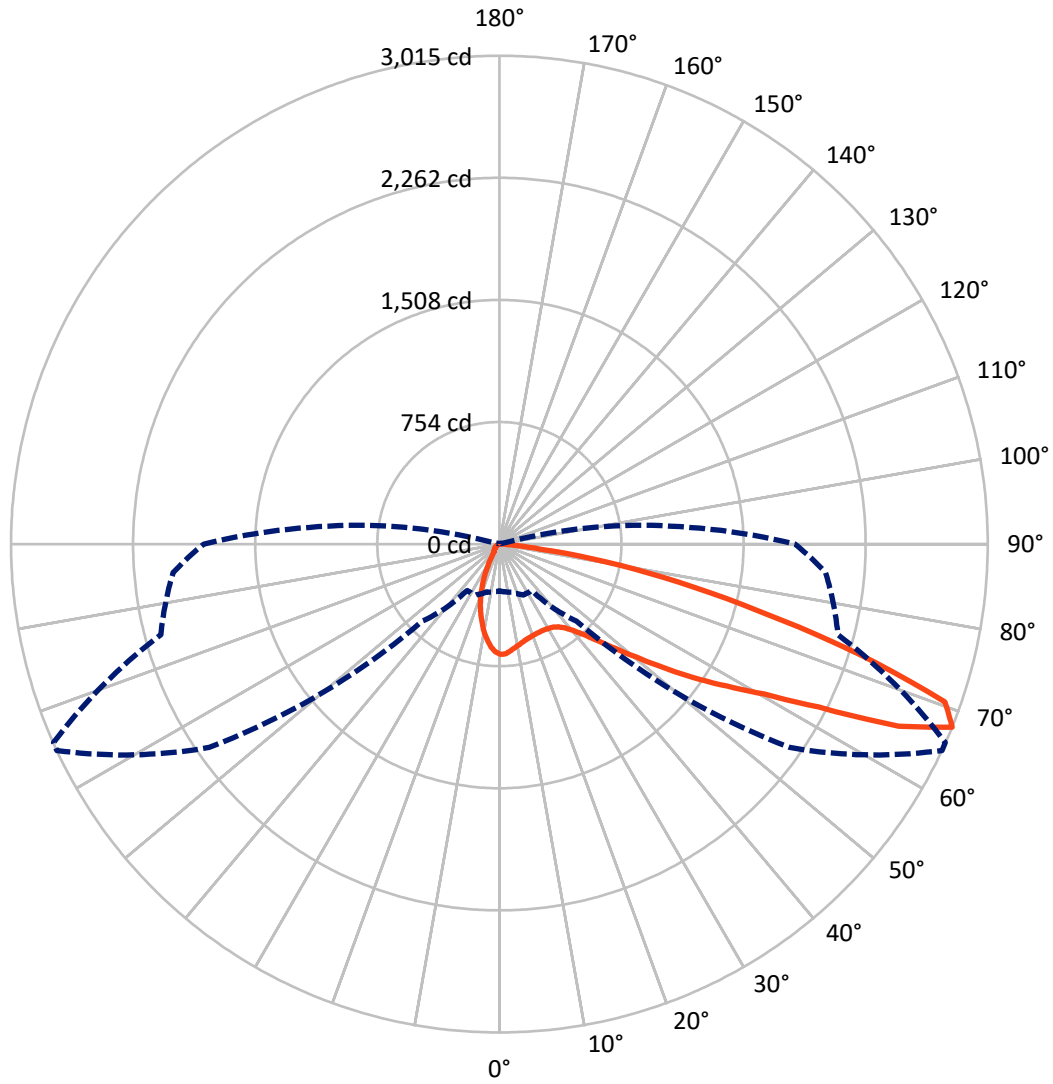
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA1C-722-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	350.5	0.0	350.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	2456.1	0.0	2456.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	2806.6	0.0	2806.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	2.0
10°-20°	127.1	4.5
20°-30°	181.6	6.5
30°-40°	264.2	9.4
40°-50°	413.8	14.7
50°-60°	645.5	23.0
60°-70°	709.1	25.3
70°-80°	377.4	13.4
80°-90°	31.4	1.1
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°	2806.6	100.0
0°-180°	2806.6	100.0

Coefficient of Utilization



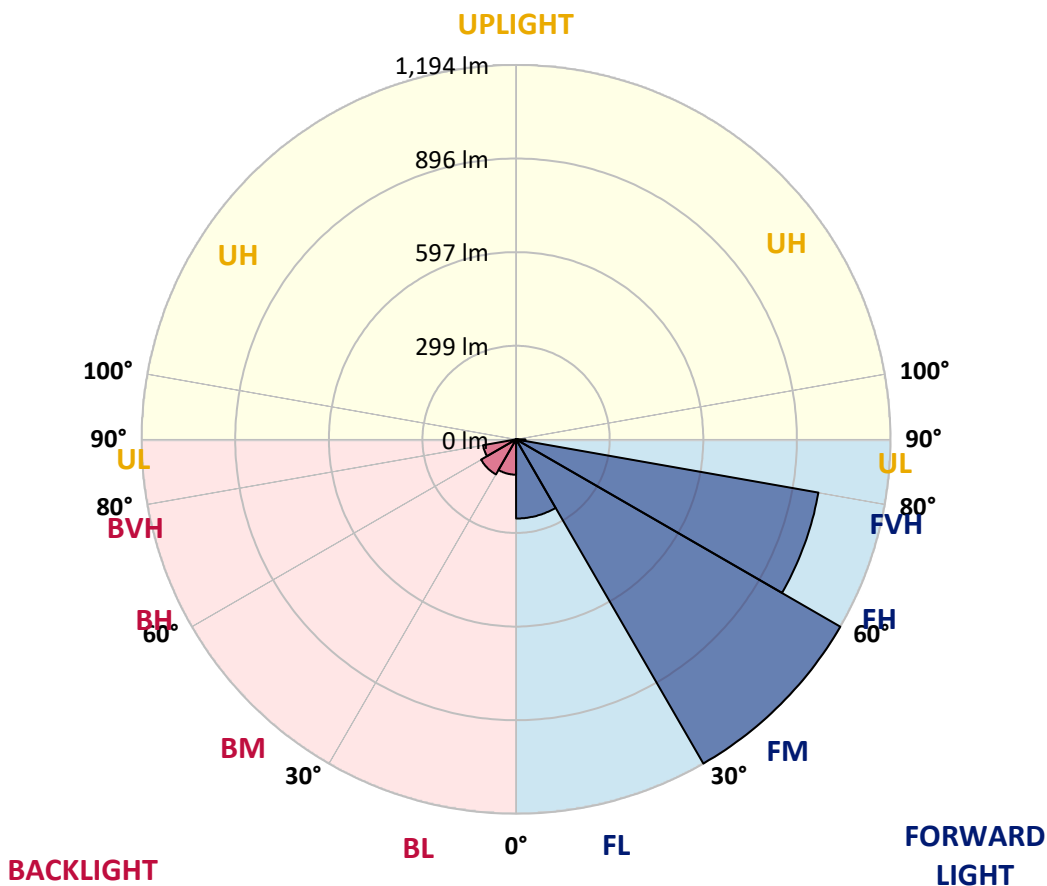
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.6	9.0			
FM (30°-60°)	1194.4	42.6			
FH (60°-80°)	979.4	34.9			G1/1800
FVH (80°-90°)	29.7	1.1			G1/100
BL (0°-30°)	112.6	4.0	B1/500		
BM (30°-60°)	129.1	4.6	B0/220		
BH (60°-80°)	107.0	3.8	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: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7
2.5°	657.1	659.1	656.3	663.2	664.4	672.1	676.4	679.4	679.2	683.0	683.0
5°	618.5	620.5	619.0	626.4	632.2	644.1	654.0	665.5	666.0	677.6	682.0
7.5°	585.8	586.0	586.0	595.2	602.8	617.5	632.2	649.7	651.8	669.8	681.2
10°	558.9	559.6	559.9	570.3	578.7	596.4	615.2	636.3	638.6	662.9	680.7
12.5°	540.3	540.6	541.6	552.5	561.7	580.2	599.2	623.3	626.4	655.1	678.4
15°	531.5	530.9	531.5	540.6	549.7	567.5	587.0	612.9	616.2	648.5	678.7
17.5°	530.9	530.2	529.7	536.5	542.4	558.1	577.9	606.1	609.6	645.4	681.5
20°	538.3	537.8	535.3	538.3	539.6	552.5	572.1	600.7	604.3	644.9	687.5
22.5°	557.6	556.3	552.5	549.7	542.9	550.5	568.0	596.9	601.0	646.2	695.4
25°	586.3	585.8	580.9	574.1	556.6	553.5	568.3	596.9	600.7	647.7	703.8
27.5°	629.4	626.4	620.3	608.4	583.2	565.5	573.3	598.5	602.3	649.7	710.6
30°	673.3	673.1	671.0	658.9	621.6	588.3	584.0	602.5	606.1	651.5	717.0
32.5°	718.8	719.5	724.6	715.2	674.3	622.3	603.3	610.9	613.4	655.1	722.6
35°	761.9	763.4	776.9	780.2	738.6	673.8	634.8	627.6	627.9	662.9	729.9
37.5°	803.3	808.3	829.9	845.9	818.5	736.3	680.2	656.1	654.0	678.7	741.1
40°	850.2	859.9	887.0	914.2	905.6	818.8	742.1	699.7	695.4	707.6	761.1
42.5°	902.3	912.7	948.7	986.8	990.8	918.5	819.5	763.4	756.1	756.3	798.7
45°	958.1	972.1	1013.9	1068.7	1093.4	1029.7	914.9	849.5	842.1	831.2	859.1
47.5°	1031.4	1043.6	1084.0	1147.2	1194.4	1148.9	1040.1	960.1	946.7	930.7	953.0
50°	1094.6	1105.3	1140.1	1219.3	1317.5	1302.8	1181.9	1098.4	1085.5	1058.3	1076.9
52.5°	1108.6	1117.0	1148.9	1238.0	1411.6	1496.9	1355.8	1265.7	1256.6	1206.3	1213.4
55°	1045.9	1058.6	1087.3	1186.3	1436.2	1686.7	1581.4	1454.3	1435.2	1355.0	1367.7
57.5°	887.5	910.1	937.0	1065.7	1369.5	1787.8	1896.6	1654.0	1636.7	1498.2	1498.4
60°	650.5	668.8	686.8	804.5	1211.1	1780.9	2182.7	1878.4	1846.9	1615.2	1610.9
62.5°	473.1	482.5	482.2	524.1	831.7	1663.7	2332.9	2216.4	2143.1	1740.3	1715.7
65°	372.1	371.8	382.7	396.4	464.5	1284.2	2351.4	2710.1	2630.9	1908.1	1856.8
67.5°	289.6	295.2	306.1	346.4	349.0	672.1	2188.5	3015.4	3013.9	2164.1	2022.0
70°	223.3	231.0	246.4	305.3	322.3	376.1	1637.5	2918.7	2943.3	2278.6	1905.0
72.5°	143.4	142.9	165.7	246.7	309.6	313.4	905.6	2318.5	2346.4	2063.9	1540.3
75°	80.2	80.7	93.7	151.0	288.6	294.9	448.5	1653.2	1675.3	1609.1	1183.5
77.5°	31.5	32.5	43.9	79.4	190.3	263.4	266.5	1127.4	1130.7	997.2	725.9
80°	12.7	13.5	22.3	49.2	116.0	177.4	190.3	664.2	650.7	386.0	211.2
82.5°	3.8	4.1	8.9	27.9	60.7	126.1	128.4	254.8	240.6	83.0	53.8
85°	0.3	0.3	2.0	8.6	21.6	31.7	85.5	83.0	73.6	20.8	23.9
87.5°	0.0	0.0	0.3	0.3	0.5	1.0	9.1	15.2	15.5	3.8	10.7
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°	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7
2.5°	683.0	673.8	673.1	666.0	658.9	650.0	639.6	632.0	626.6	617.2	615.5
5°	682.0	669.8	658.4	638.1	615.5	591.1	569.8	550.0	537.5	529.2	525.6
7.5°	679.9	664.4	638.1	599.7	561.9	519.3	486.0	455.6	434.8	422.6	417.2
10°	678.4	657.6	614.7	556.6	498.0	439.1	388.6	343.4	318.3	298.5	295.2
12.5°	675.4	647.7	584.8	506.1	430.4	352.3	287.8	232.5	194.2	176.9	170.8
15°	672.3	637.3	554.8	452.8	356.8	260.4	182.2	128.9	102.5	94.4	93.9
17.5°	671.8	627.9	522.3	402.3	279.7	170.6	103.8	83.5	77.9	75.9	75.9
20°	673.3	620.0	490.3	344.2	203.8	103.8	77.4	72.3	69.0	67.3	67.3
22.5°	674.9	611.9	459.6	285.5	135.3	75.9	68.3	64.0	60.2	58.1	57.1
25°	675.9	603.0	425.6	226.6	88.3	66.0	59.9	54.3	49.7	47.2	47.2
27.5°	675.6	592.4	391.4	169.0	68.5	58.6	51.3	45.4	40.9	38.1	38.3
30°	673.6	580.7	355.8	118.0	59.9	51.3	43.9	37.8	33.2	31.0	30.7
32.5°	672.1	568.3	314.7	83.0	53.8	44.9	37.3	31.5	27.7	25.9	25.6
35°	670.3	556.1	275.6	63.2	48.5	38.8	31.5	26.6	23.6	22.1	22.1
37.5°	670.8	543.4	233.2	54.3	43.1	33.8	26.9	22.8	20.3	18.8	18.5
40°	678.7	535.8	191.6	49.2	38.3	29.2	23.3	19.8	17.3	15.7	15.5
42.5°	698.2	536.0	151.8	45.4	34.0	24.9	20.3	17.0	14.7	12.9	12.7
45°	737.3	546.7	116.5	41.4	29.4	21.6	17.5	14.5	12.2	10.7	10.4
47.5°	801.2	578.4	88.3	37.8	25.6	18.8	15.0	12.2	10.2	8.9	8.6
50°	903.0	635.8	69.5	33.5	21.6	16.2	12.7	10.2	8.4	7.1	6.9
52.5°	1025.3	721.8	59.6	29.7	18.5	14.2	10.9	8.4	6.9	5.8	5.6
55°	1166.0	824.6	55.1	25.9	15.7	12.2	8.9	6.9	5.6	4.8	4.3
57.5°	1294.9	917.2	54.8	22.1	13.5	10.4	7.4	5.8	4.8	3.8	3.6
60°	1420.5	994.6	51.5	18.3	11.7	8.6	6.3	4.8	4.1	3.3	3.0
62.5°	1534.5	1057.6	43.1	14.7	9.9	7.1	5.3	4.3	3.6	2.8	2.8
65°	1677.6	1137.8	33.0	11.9	8.1	5.8	4.6	3.8	3.3	2.5	2.5
67.5°	1825.6	1180.2	23.6	9.9	6.6	5.1	4.1	3.6	2.8	2.3	2.3
70°	1653.5	997.2	17.0	8.1	5.6	4.3	3.6	3.3	2.8	2.3	2.0
72.5°	1291.3	719.0	12.7	6.3	4.8	4.1	3.3	3.0	2.5	2.0	2.0
75°	957.6	419.3	9.6	5.1	3.8	3.3	3.3	3.0	2.5	2.0	1.8
77.5°	520.5	146.2	7.4	4.1	3.0	2.5	2.8	2.8	2.3	1.8	1.5
80°	137.8	40.1	5.1	3.0	2.5	2.0	2.0	2.5	2.0	1.5	1.5
82.5°	40.1	11.7	3.6	2.5	2.0	1.8	1.8	1.8	1.5	1.3	1.0
85°	19.5	4.3	2.5	2.0	1.8	1.5	1.3	1.3	1.0	0.8	0.8
87.5°	8.6	1.8	2.0	1.8	1.8	1.3	1.0	0.8	0.8	0.5	0.3
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)