

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: P629293

Luminaire Tested: GWS-SA1B-735-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3463.6 lumens  
Efficiency: N/A  
Efficacy: 138.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

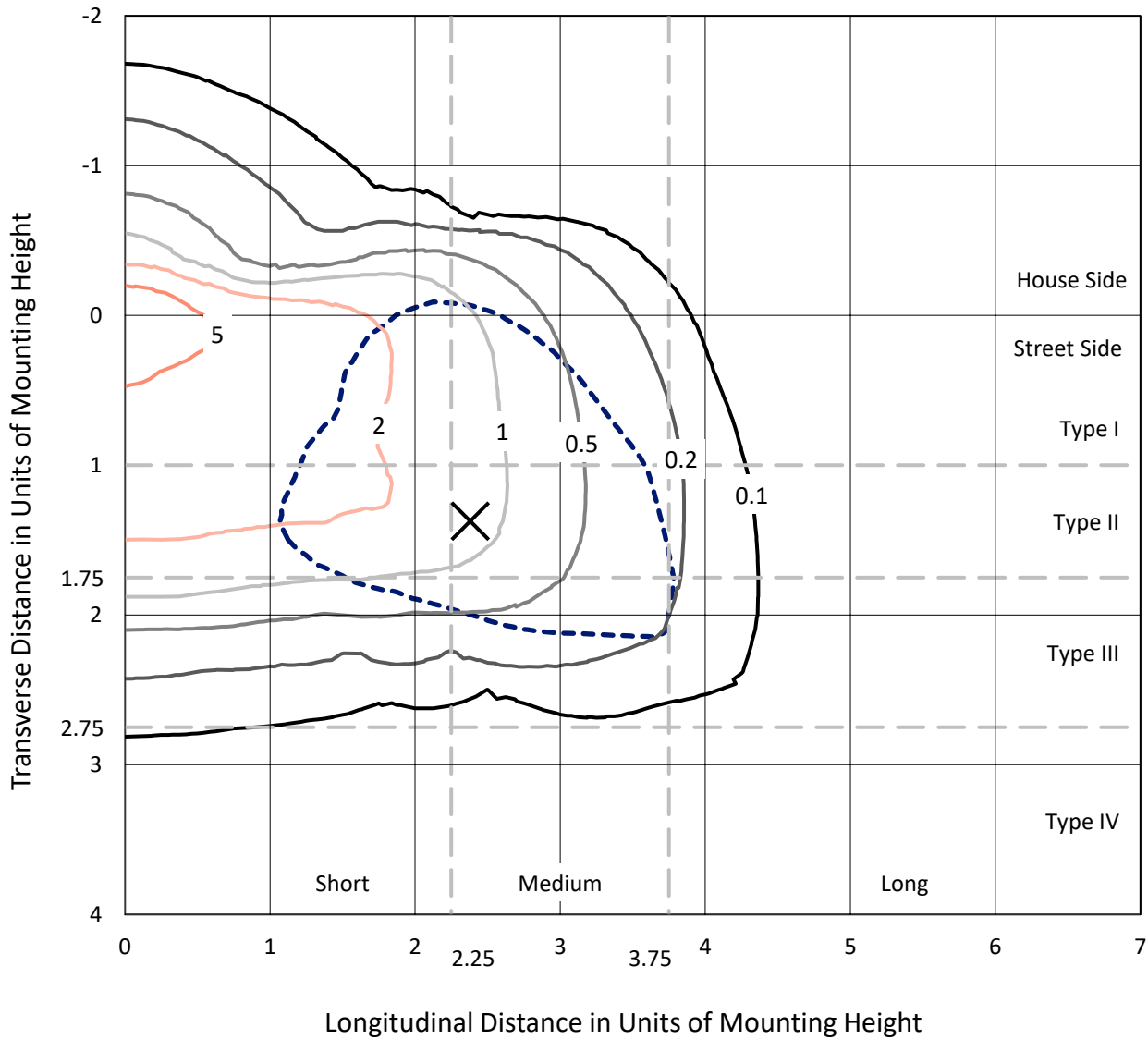
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

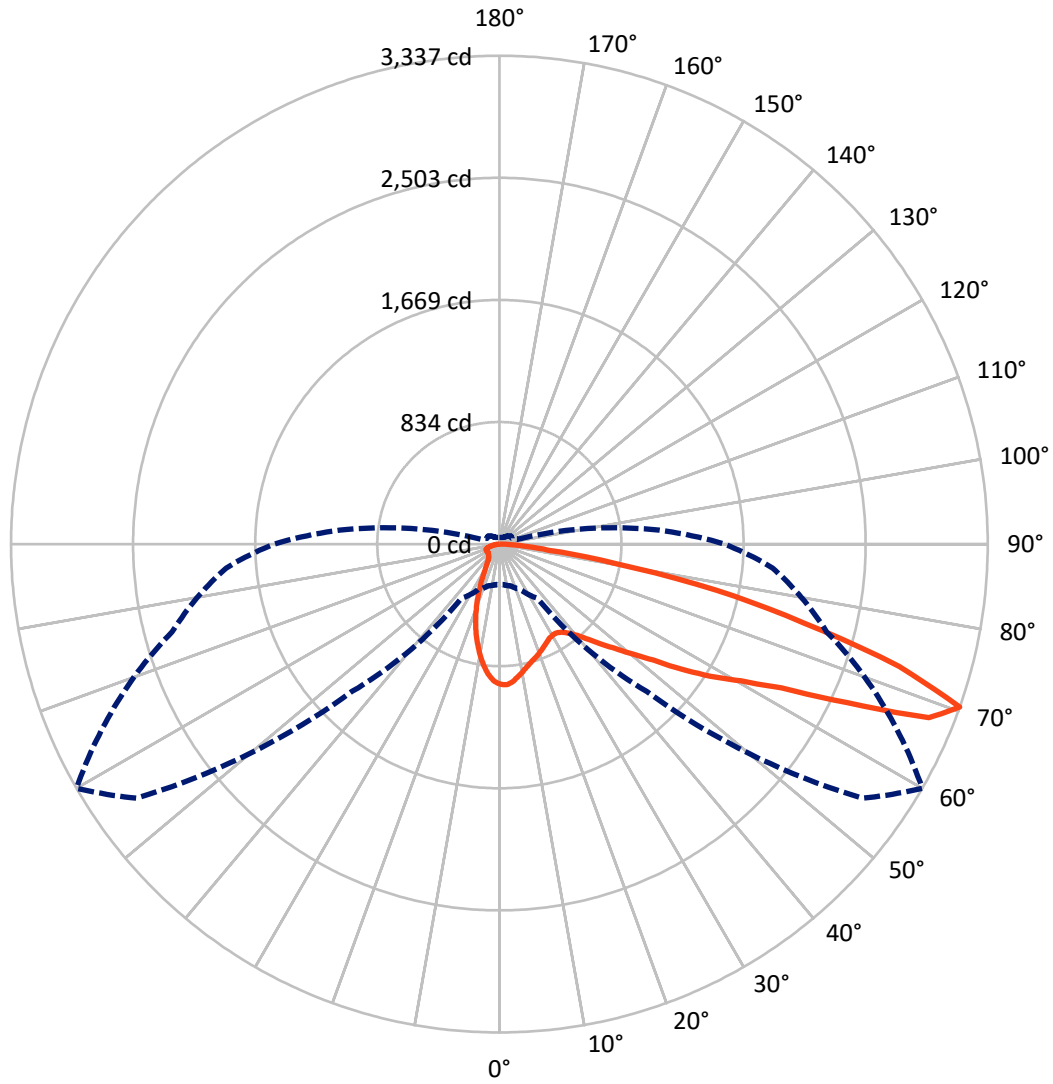
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	592.4	0.0	592.4
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	2871.2	0.0	2871.2
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	3463.6	0.0	3463.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.6	2.4
10°-20°	185.1	5.3
20°-30°	237.0	6.8
30°-40°	311.5	9.0
40°-50°	451.9	13.0
50°-60°	705.1	20.4
60°-70°	923.2	26.7
70°-80°	510.5	14.7
80°-90°	56.6	1.6
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°	3463.6	100.0
0°-180°	3463.6	100.0

**Coefficient of Utilization**



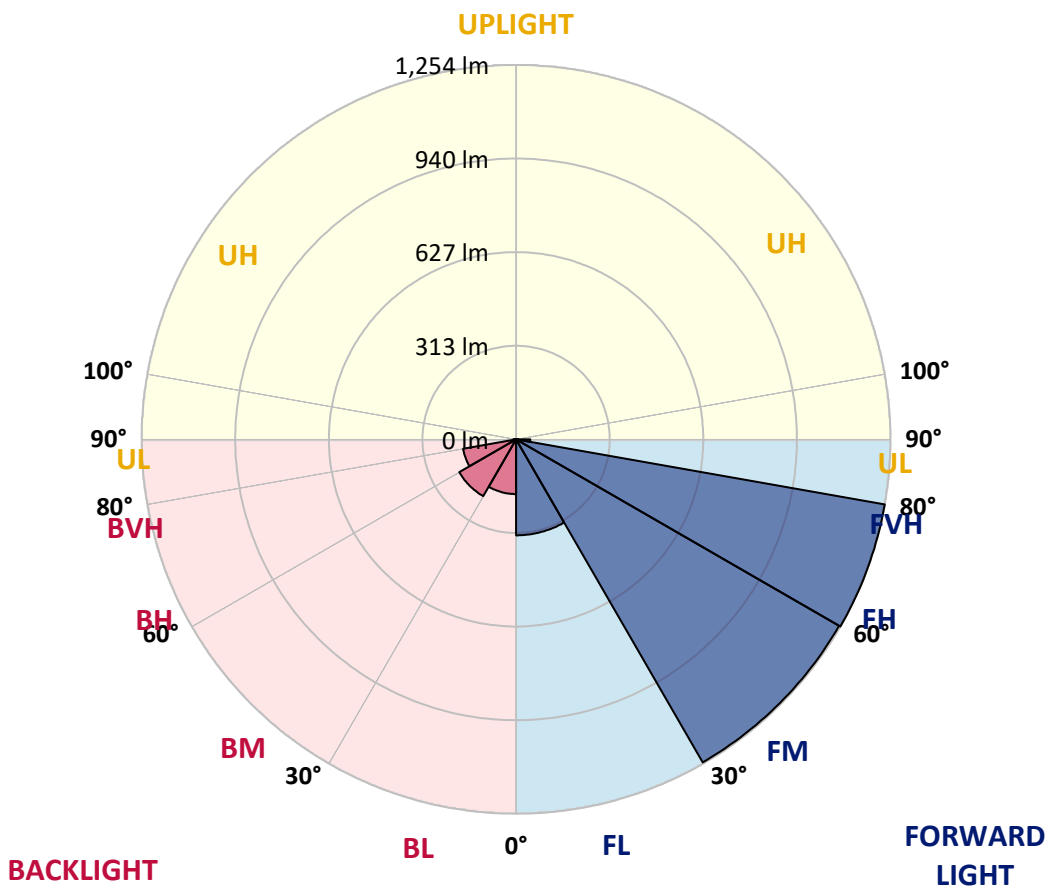
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.4	9.3			
FM (30°-60°)	1249.0	36.1			
FH (60°-80°)	1253.6	36.2			G1/1800
FVH (80°-90°)	47.2	1.4			G1/100
BL (0°-30°)	183.3	5.3	B1/500		
BM (30°-60°)	219.6	6.3	B0/220		
BH (60°-80°)	180.0	5.2	B1/500		G1/500
BVH (80°-90°)	9.4	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	945.0	946.0	948.8	952.8	956.9	958.9	964.0	962.5	961.5	959.4	956.9
5°	903.2	905.2	907.7	915.6	924.5	931.6	943.0	944.2	944.7	945.8	941.7
7.5°	850.0	850.5	856.5	866.9	878.6	890.8	909.8	915.1	919.7	924.7	921.4
10°	791.2	792.4	797.0	811.9	832.0	850.0	875.6	884.4	894.1	905.2	900.6
12.5°	743.0	743.3	750.6	766.6	788.4	812.7	844.6	855.3	868.0	885.4	881.4
15°	704.8	704.8	711.6	725.3	750.4	779.0	817.0	830.7	847.9	871.5	864.4
17.5°	674.3	674.6	678.9	693.3	715.6	747.3	792.4	810.9	829.9	861.1	850.5
20°	658.4	657.1	657.9	666.7	685.7	716.4	767.9	789.4	815.0	854.0	837.8
22.5°	657.6	655.3	652.0	652.8	664.0	689.3	741.5	767.6	799.8	848.2	824.9
25°	670.5	668.0	662.2	655.6	654.6	669.8	716.7	746.3	784.1	845.7	812.5
27.5°	692.3	690.6	683.0	673.1	662.7	662.2	697.9	728.8	772.7	848.2	803.6
30°	721.2	718.2	713.4	700.7	685.0	668.8	690.6	719.5	765.1	856.3	799.8
32.5°	753.9	752.1	747.6	734.9	718.2	692.3	696.4	721.5	765.1	870.5	800.5
35°	788.6	788.4	788.4	780.0	761.5	729.3	719.5	738.7	776.7	893.3	808.7
37.5°	822.3	822.1	830.2	833.2	812.2	777.5	758.7	773.2	802.3	927.0	828.7
40°	849.7	850.7	868.5	883.7	872.0	839.8	813.5	820.8	843.9	974.9	863.6
42.5°	877.3	880.1	906.7	933.6	938.1	910.3	883.7	888.0	903.4	1038.2	915.8
45°	907.5	908.8	946.0	983.5	1005.6	989.1	967.3	973.1	976.7	1116.6	993.6
47.5°	936.6	939.9	988.1	1039.5	1081.3	1079.8	1067.6	1065.9	1066.6	1211.8	1085.6
50°	976.4	981.2	1037.7	1099.8	1161.2	1189.3	1192.8	1179.4	1173.8	1317.8	1200.2
52.5°	1051.9	1051.9	1102.6	1163.7	1246.1	1315.7	1339.6	1317.5	1299.8	1429.8	1321.8
55°	1146.5	1150.5	1190.8	1240.2	1344.6	1448.8	1529.4	1505.0	1454.9	1551.7	1449.3
57.5°	1188.5	1193.6	1257.5	1334.2	1473.6	1600.1	1711.8	1703.2	1630.0	1678.4	1581.6
60°	1112.5	1123.1	1211.1	1339.8	1590.4	1844.1	1922.9	1897.8	1793.2	1811.4	1725.0
62.5°	928.0	939.7	1037.2	1216.9	1574.2	2107.9	2255.7	2163.2	1996.9	1979.4	1916.1
65°	553.7	553.2	670.5	908.8	1374.3	2181.2	2782.3	2609.7	2311.7	2210.0	2112.7
67.5°	352.0	351.2	375.8	481.5	914.6	2001.7	3120.8	3165.7	2739.2	2379.6	2129.0
70°	277.7	277.5	295.2	343.4	452.3	1424.5	3026.6	3337.0	2997.4	2315.0	1874.5
72.5°	202.5	203.0	230.4	287.6	349.0	715.1	2450.8	2855.2	2756.9	2043.6	1521.8
75°	145.5	146.2	162.7	220.2	321.8	391.0	1629.7	2146.9	2097.5	1638.1	1046.9
77.5°	92.5	93.5	108.0	154.3	260.0	315.8	988.1	1515.7	1395.6	922.9	372.3
80°	56.5	59.8	72.0	115.1	207.8	236.9	493.9	798.5	698.9	253.2	125.2
82.5°	29.1	31.7	43.3	71.2	143.2	208.1	279.5	335.5	216.4	105.9	66.6
85°	9.1	10.6	15.2	28.9	68.2	129.0	185.0	166.7	99.3	49.9	30.9
87.5°	2.3	2.3	2.5	2.5	2.8	5.8	35.7	37.8	26.4	15.7	12.7
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°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	951.8	945.8	943.2	943.0	936.6	927.5	921.4	917.1	914.6	914.1	914.1
5°	934.9	927.0	916.6	908.8	891.8	874.5	860.1	852.0	842.6	841.3	841.1
7.5°	912.3	900.9	881.1	859.1	829.4	800.8	776.5	760.0	743.5	740.5	739.5
10°	888.0	872.5	838.8	800.0	755.7	712.9	675.6	646.5	627.2	613.5	611.0
12.5°	863.9	843.4	794.0	736.2	675.4	616.8	560.8	513.2	478.7	458.7	455.1
15°	841.3	812.7	745.0	671.3	592.2	512.2	432.8	371.0	322.6	305.4	301.3
17.5°	820.8	785.1	697.7	604.1	505.6	400.9	310.7	255.7	227.3	218.7	216.7
20°	800.3	756.7	649.5	533.4	413.6	296.2	227.1	201.2	190.6	187.3	186.3
22.5°	778.2	725.5	597.1	463.8	320.6	221.7	185.8	174.4	171.1	171.3	171.1
25°	756.2	693.9	542.1	388.0	238.7	179.9	162.2	157.9	158.6	160.9	161.4
27.5°	738.0	665.7	488.1	304.9	186.5	154.8	146.5	146.2	149.0	152.1	152.6
30°	724.8	640.6	434.9	234.4	153.6	137.6	134.3	135.8	139.1	141.4	142.2
32.5°	715.4	619.1	378.1	184.2	134.6	125.4	123.9	125.4	127.5	129.7	130.3
35°	712.1	603.4	322.3	150.3	121.6	116.6	115.6	116.3	117.3	118.6	119.1
37.5°	719.5	595.5	264.1	130.8	113.8	110.7	109.2	108.7	109.0	109.5	109.7
40°	741.2	599.1	216.4	119.4	108.7	105.9	103.4	102.4	102.1	102.6	102.4
42.5°	778.8	614.0	182.0	112.8	104.7	100.6	97.8	96.8	96.8	98.1	98.1
45°	833.7	643.4	157.1	108.0	101.1	96.0	93.0	92.5	93.5	95.5	95.8
47.5°	914.3	686.5	142.2	104.4	97.8	92.0	88.9	88.7	90.7	94.0	94.3
50°	1009.9	748.6	134.1	101.9	95.5	88.7	85.7	85.9	88.2	91.7	92.5
52.5°	1124.9	833.2	134.6	100.9	94.3	86.7	83.6	83.1	85.4	88.9	89.7
55°	1243.8	936.1	144.4	101.1	92.5	85.7	81.6	79.8	81.9	84.4	84.6
57.5°	1374.5	1052.2	169.0	100.6	90.2	84.6	79.8	75.8	77.0	78.6	79.3
60°	1522.0	1188.8	222.0	101.6	89.2	82.4	76.3	71.0	70.7	71.7	72.0
62.5°	1719.2	1374.5	281.5	103.4	91.5	79.6	71.0	65.4	64.4	64.9	65.1
65°	1870.0	1463.2	262.8	101.9	96.3	77.5	65.9	60.1	58.0	57.5	57.5
67.5°	1808.6	1345.9	183.0	97.8	98.6	77.8	61.8	54.5	52.0	50.7	50.4
70°	1539.0	1093.2	127.2	93.8	96.0	77.3	57.5	49.9	46.6	44.9	44.6
72.5°	1215.9	834.8	102.9	85.7	87.2	69.7	51.2	44.9	42.1	39.8	39.8
75°	782.6	509.4	85.9	76.3	71.2	54.2	44.3	40.0	37.3	35.0	35.0
77.5°	263.3	189.0	66.6	64.6	53.2	40.8	37.3	34.5	32.2	30.2	29.9
80°	106.9	89.7	48.9	48.9	37.3	31.2	29.1	27.9	26.4	23.8	23.8
82.5°	62.1	54.5	34.2	29.6	24.8	21.5	20.3	19.0	19.0	17.2	17.2
85°	29.9	30.2	20.5	18.2	14.2	12.4	11.9	11.2	10.9	9.9	9.6
87.5°	16.2	16.5	10.4	8.1	5.6	4.8	4.1	3.8	3.5	3.3	3.3
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)