

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: P629963

Luminaire Tested: GWS-SA1C-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629963  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

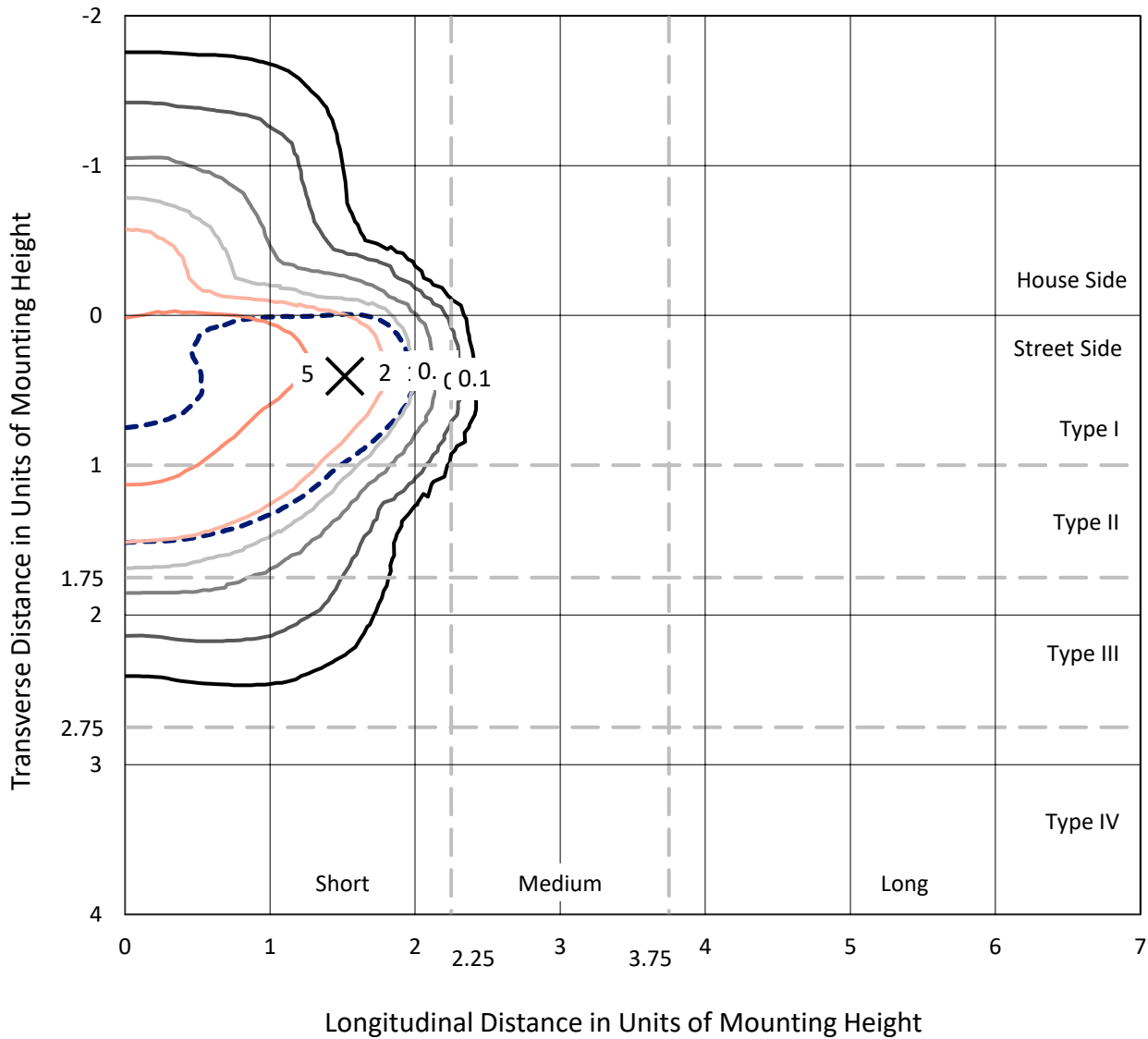
Lumens per Lamp: N/A  
Luminaire Lumens: 2880.5 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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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### Iso-Footcandle Lines of Horizontal Illumination

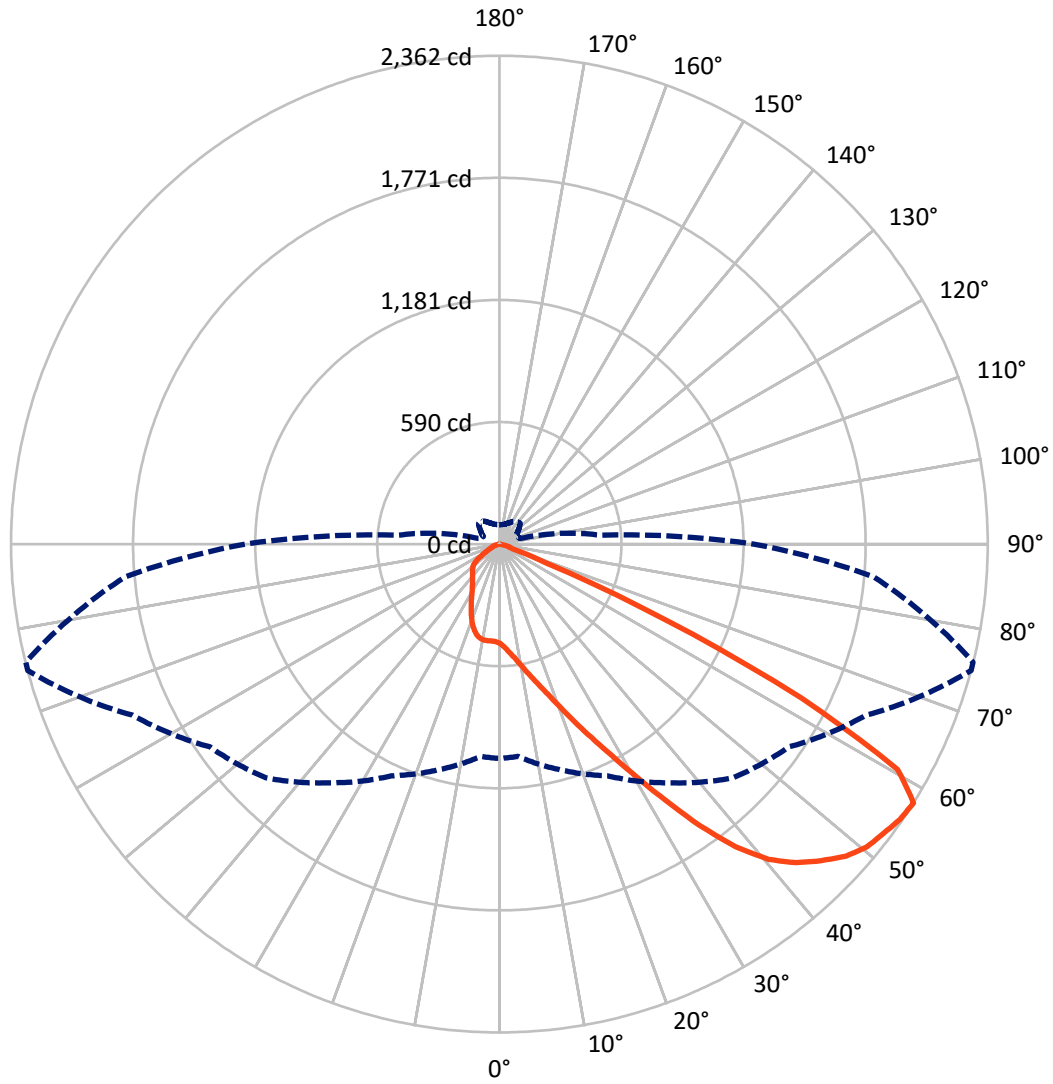
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	470.5	0.0	470.5
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	2410.0	0.0	2410.0
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	2880.5	0.0	2880.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.9	1.7
10°-20°	158.8	5.5
20°-30°	290.8	10.1
30°-40°	482.5	16.8
40°-50°	736.9	25.6
50°-60°	828.0	28.7
60°-70°	305.4	10.6
70°-80°	29.2	1.0
80°-90°	0.0	0.0
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°	2880.5	100.0
0°-180°	2880.5	100.0

**Coefficient of Utilization**



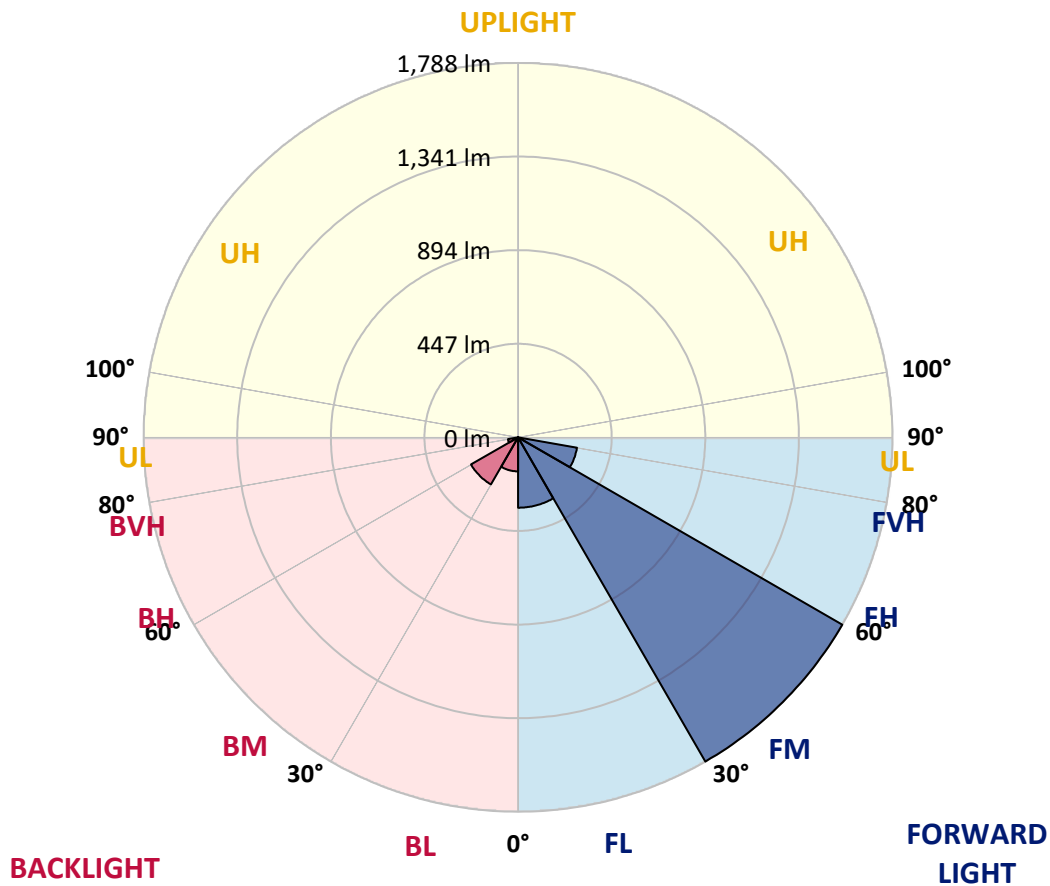
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.1	11.7			
FM (30°-60°)	1788.1	62.1			
FH (60°-80°)	285.7	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	162.4	5.6	B1/500		
BM (30°-60°)	259.3	9.0	B1/1000		
BH (60°-80°)	48.9	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4
2.5°	536.7	542.3	540.6	537.1	535.0	527.7	523.2	510.0	500.6	499.5	490.9
5°	604.5	603.5	602.1	597.9	594.5	583.0	569.4	547.2	527.4	524.9	506.5
7.5°	641.7	642.4	643.1	642.4	640.0	631.3	616.4	590.3	560.0	557.9	528.7
10°	657.0	658.4	661.9	668.5	674.4	673.7	665.0	638.3	601.1	597.6	558.3
12.5°	664.3	666.1	671.6	684.1	700.1	712.6	714.0	690.0	649.0	643.5	593.4
15°	674.4	676.1	683.1	699.4	722.7	747.4	763.4	748.1	702.2	696.3	632.0
17.5°	678.9	681.4	691.4	713.0	743.2	781.1	817.3	815.9	765.1	760.6	676.8
20°	687.6	689.4	698.4	721.7	758.2	812.8	873.6	895.5	842.0	835.4	731.1
22.5°	715.1	715.8	719.9	734.5	768.6	835.7	931.0	988.3	932.7	924.0	791.9
25°	759.9	759.6	761.3	763.7	788.8	859.0	986.2	1093.0	1036.6	1027.3	860.7
27.5°	816.9	816.9	821.1	814.2	824.2	887.9	1040.8	1213.2	1157.6	1144.4	936.2
30°	884.0	883.7	893.4	882.3	885.4	933.4	1099.6	1344.3	1303.6	1287.3	1023.1
32.5°	975.1	973.0	984.1	968.9	958.4	1002.2	1171.2	1481.3	1478.5	1453.4	1132.2
35°	1090.2	1086.7	1090.2	1075.2	1056.5	1098.5	1265.0	1617.9	1672.5	1646.0	1262.3
37.5°	1204.5	1215.7	1219.5	1193.8	1178.5	1220.5	1378.0	1740.2	1857.7	1830.3	1397.5
40°	1339.4	1335.9	1349.2	1320.3	1310.6	1357.2	1488.6	1831.3	2004.4	1978.4	1517.8
42.5°	1438.8	1445.1	1461.4	1445.5	1437.8	1481.6	1581.4	1884.5	2106.3	2080.6	1603.6
45°	1558.1	1562.6	1568.9	1555.7	1547.7	1590.8	1648.5	1907.8	2183.8	2156.0	1661.3
47.5°	1687.1	1690.5	1690.5	1663.4	1637.7	1655.4	1693.3	1921.0	2255.1	2228.3	1704.1
50°	1779.5	1781.3	1796.6	1777.4	1721.5	1694.0	1713.8	1933.9	2302.4	2277.3	1718.0
52.5°	1697.5	1695.4	1745.8	1785.4	1800.4	1745.8	1749.3	1952.6	2325.3	2303.8	1729.1
55°	1429.5	1426.0	1496.9	1593.2	1724.9	1794.8	1792.0	1963.8	2350.7	2337.5	1769.4
57.5°	1036.3	1030.4	1129.1	1236.2	1409.0	1598.4	1709.7	1957.5	2361.8	2360.8	1816.4
60°	623.0	618.1	711.3	823.9	957.4	1147.9	1332.5	1753.5	2213.0	2215.1	1694.4
62.5°	383.4	388.0	472.1	529.4	579.2	636.5	743.2	1179.5	1639.4	1653.0	1190.6
65°	257.9	261.4	339.3	411.6	411.6	336.5	288.9	563.9	874.6	851.7	563.2
67.5°	173.1	176.9	238.5	323.0	335.1	234.7	117.2	168.3	243.7	236.4	139.4
70°	101.9	106.0	158.9	221.4	244.0	163.4	78.2	71.3	69.2	67.1	54.2
72.5°	45.5	47.3	81.0	112.6	102.9	68.8	55.3	57.0	53.9	52.8	44.1
75°	13.9	14.6	20.9	24.3	24.7	24.7	33.4	44.8	42.4	42.8	34.1
77.5°	3.5	3.5	5.6	5.2	2.8	2.4	6.3	10.1	10.4	9.4	7.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4	480.4
2.5°	487.0	478.0	472.1	463.7	457.8	451.6	446.0	441.5	439.1	438.4	438.7
5°	498.2	483.9	470.0	454.0	442.9	432.5	424.1	417.5	414.4	413.3	413.3
7.5°	515.2	495.4	470.7	445.7	426.9	410.6	400.8	393.5	390.7	390.0	388.0
10°	537.4	510.3	469.7	430.7	404.3	387.3	380.3	378.2	379.3	379.6	379.3
12.5°	564.2	526.0	463.0	408.8	380.3	369.9	370.6	376.1	382.4	385.5	386.2
15°	592.7	540.2	448.1	382.7	359.8	359.5	369.5	382.4	394.6	399.8	401.2
17.5°	624.7	551.7	425.2	354.9	342.1	352.2	370.2	390.0	406.4	415.1	416.8
20°	659.8	561.1	396.0	328.9	326.4	344.5	369.5	393.9	414.0	423.8	425.5
22.5°	696.3	567.7	362.2	304.9	312.2	335.8	362.9	386.6	405.7	416.8	418.2
25°	738.0	568.4	327.8	284.7	299.0	324.0	346.9	366.4	382.4	392.1	393.2
27.5°	774.5	560.0	297.2	268.4	286.8	309.4	324.7	335.5	346.6	352.2	352.5
30°	816.6	545.4	268.4	255.2	274.3	291.3	299.0	301.4	302.4	303.5	302.1
32.5°	866.6	527.7	246.8	242.3	260.0	271.5	273.6	268.7	262.8	254.5	252.4
35°	928.2	511.7	229.1	229.8	244.4	251.3	249.6	239.2	227.7	217.6	215.9
37.5°	994.9	498.2	215.5	217.6	227.4	232.2	227.0	215.5	210.3	201.6	202.0
40°	1054.0	487.0	203.4	205.5	210.0	214.5	206.1	198.5	208.2	207.5	208.2
42.5°	1096.1	477.6	192.9	191.9	195.0	198.2	191.9	188.1	204.4	199.9	202.3
45°	1120.8	469.0	184.2	178.0	182.9	188.4	184.2	179.4	184.9	164.1	162.3
47.5°	1137.5	464.1	176.6	164.4	173.1	182.9	174.2	162.3	154.3	136.3	134.9
50°	1139.2	461.7	167.6	150.5	161.6	172.1	162.0	145.7	134.2	126.2	125.1
52.5°	1148.2	466.5	155.0	132.8	145.0	161.6	154.7	138.4	122.7	115.8	114.4
55°	1188.6	487.0	134.2	108.5	126.2	153.7	148.8	123.4	108.5	104.3	103.2
57.5°	1230.3	491.2	105.7	85.9	109.9	142.2	135.9	113.7	99.1	94.2	93.2
60°	1124.9	404.6	79.3	70.9	97.0	131.4	125.8	107.8	90.7	84.8	83.8
62.5°	739.1	218.7	62.9	60.1	81.7	111.2	114.7	97.3	81.0	74.7	74.4
65°	340.7	101.5	48.3	47.6	64.0	88.6	98.7	85.2	68.5	62.9	62.9
67.5°	92.8	50.4	37.9	35.1	43.5	59.4	72.0	63.6	48.7	42.1	41.7
70°	46.2	40.7	34.1	30.2	31.3	36.8	42.4	35.5	24.7	20.2	19.8
72.5°	37.9	33.4	28.9	25.7	23.6	22.6	21.9	17.7	11.5	8.7	8.3
75°	28.2	24.0	20.5	16.7	14.3	13.2	11.8	8.7	4.9	2.8	2.4
77.5°	6.3	5.9	5.6	4.2	3.8	3.1	2.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)