

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: P629641

Luminaire Tested: GWS-SA1C-722-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629641  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

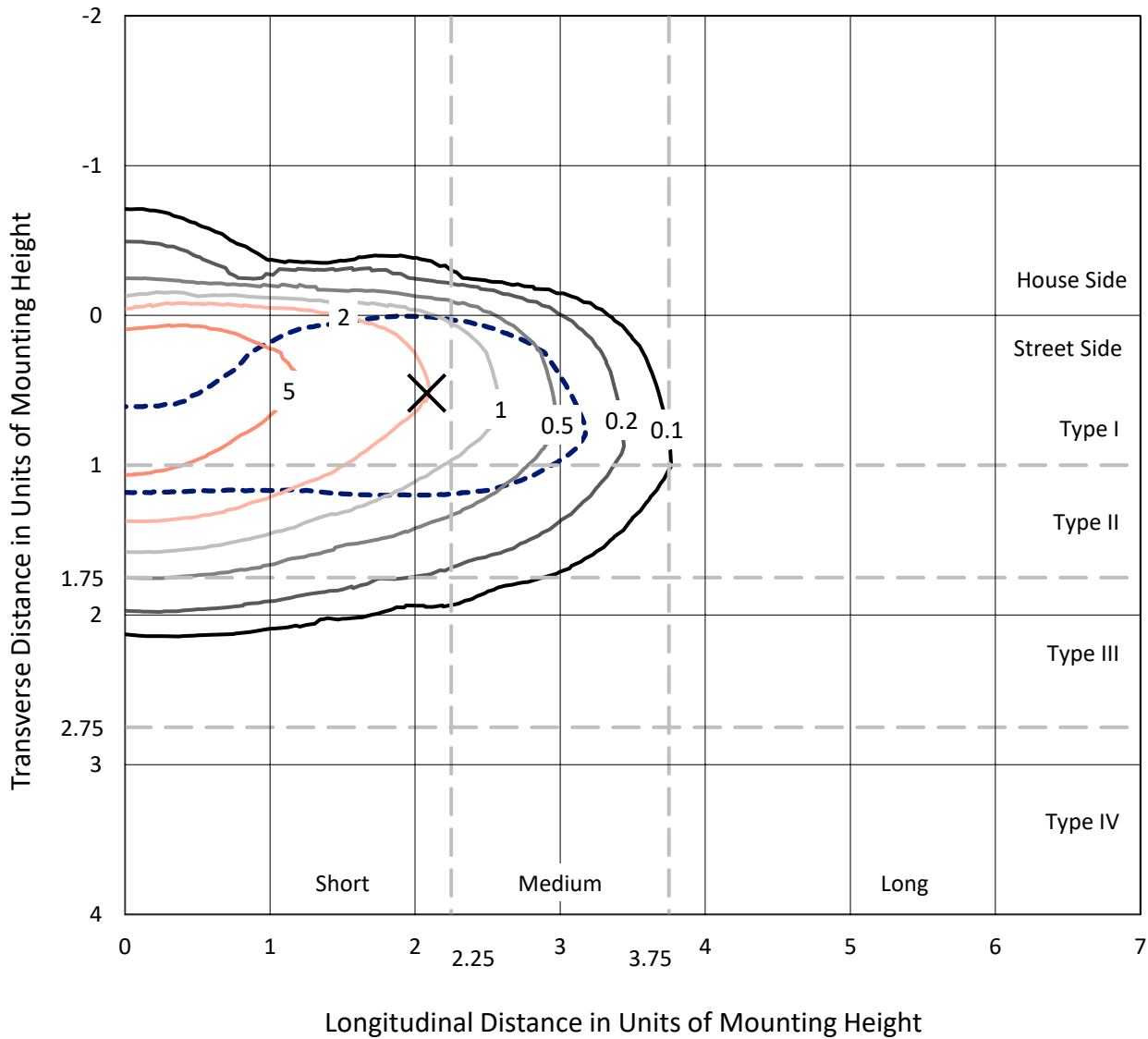
Lumens per Lamp: N/A  
Luminaire Lumens: 2855.3 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

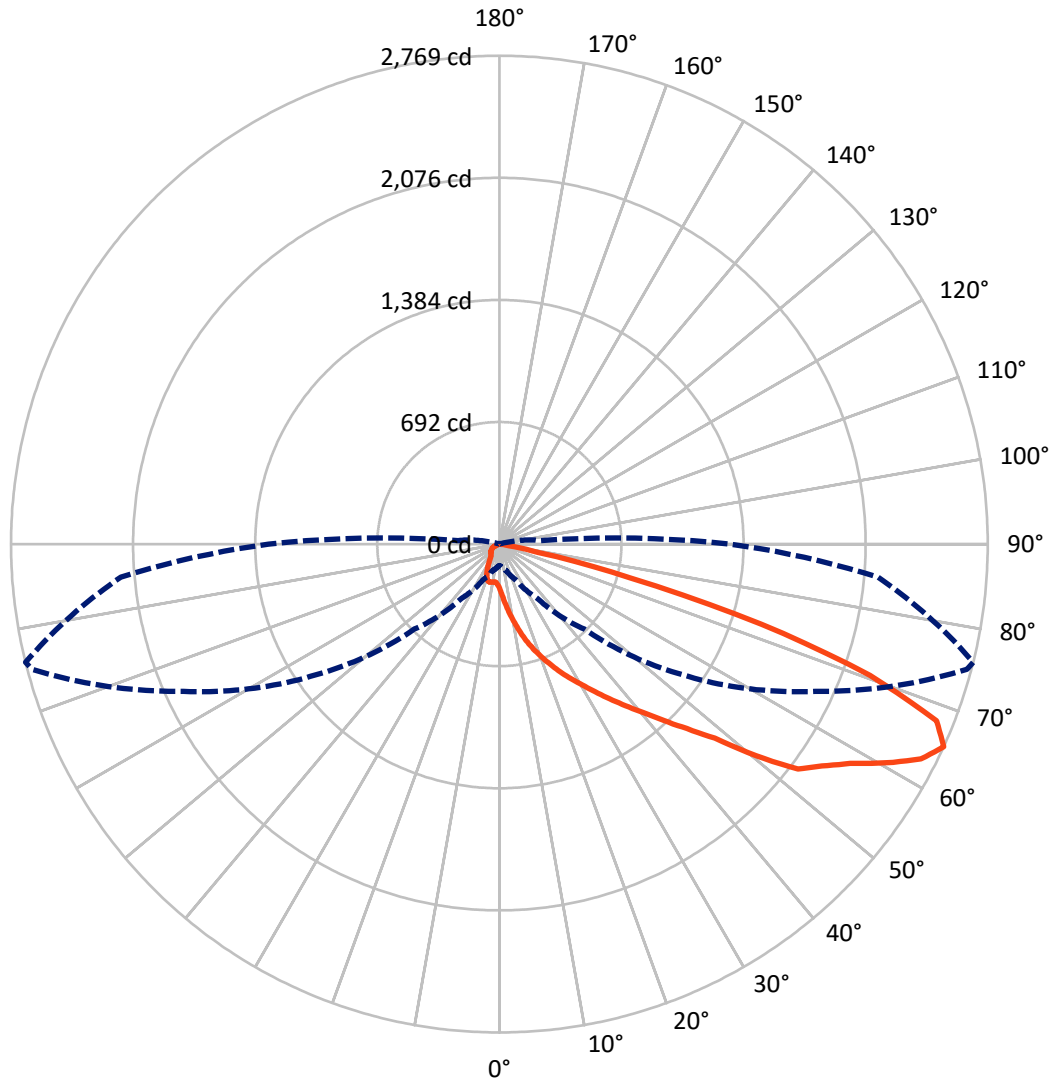
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	157.9	0.0	157.9
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	2697.4	0.0	2697.4
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	2855.3	0.0	2855.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.8	1.1
10°-20°	116.7	4.1
20°-30°	238.1	8.3
30°-40°	423.4	14.8
40°-50°	625.9	21.9
50°-60°	716.6	25.1
60°-70°	546.8	19.1
70°-80°	153.2	5.4
80°-90°	3.9	0.1
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°	2855.3	100.0
0°-180°	2855.3	100.0

**Coefficient of Utilization**



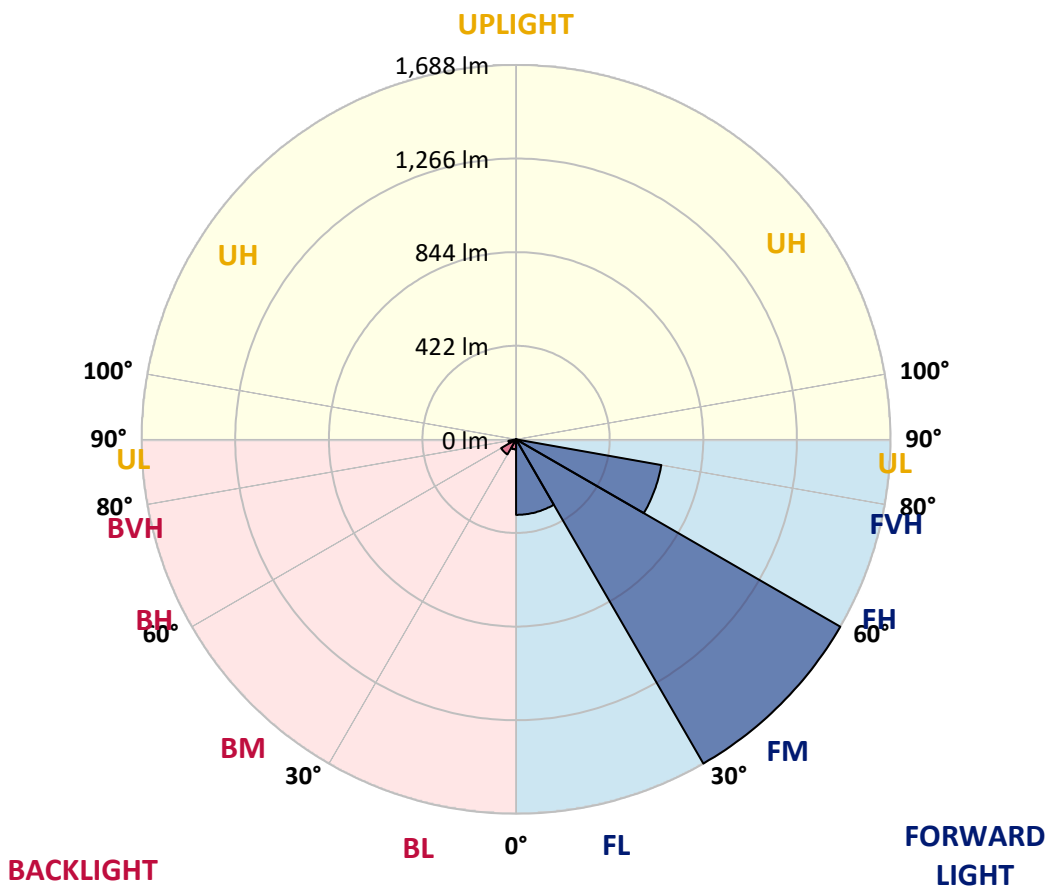
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.5	11.9			
FM (30°-60°)	1688.1	59.1			
FH (60°-80°)	665.2	23.3			G1/1800
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	45.1	1.6	B0/110		
BM (30°-60°)	77.9	2.7	B0/220		
BH (60°-80°)	34.7	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2.5°	389.6	395.4	390.9	383.3	368.5	354.3	336.0	310.9	290.9	288.3	269.5
5°	526.2	525.6	515.7	505.9	490.4	466.0	429.2	382.5	337.6	333.8	291.6
7.5°	607.4	608.1	602.6	594.9	579.7	554.6	516.3	459.9	394.2	386.6	321.8
10°	675.7	675.4	671.3	667.8	654.1	637.3	596.2	534.3	455.1	443.2	355.6
12.5°	726.9	728.7	730.7	734.3	728.4	711.9	673.1	605.6	516.8	503.6	394.2
15°	767.5	768.0	775.7	789.4	794.2	785.6	750.3	674.6	577.7	566.3	438.6
17.5°	779.7	780.7	793.7	818.8	844.2	849.0	822.4	744.2	637.6	625.4	481.7
20°	805.4	807.6	817.3	839.4	871.3	897.2	886.8	814.5	697.5	681.5	525.9
22.5°	886.1	887.3	884.0	886.8	903.3	933.3	939.6	882.5	758.9	741.9	573.6
25°	1024.9	1025.4	1002.3	980.5	968.0	973.6	987.6	945.2	819.8	803.1	618.0
27.5°	1169.1	1170.8	1143.2	1106.1	1061.7	1036.3	1032.3	1002.6	881.2	862.7	661.9
30°	1304.9	1304.9	1275.7	1230.5	1171.1	1121.6	1092.4	1060.4	947.0	926.7	706.9
32.5°	1426.9	1425.9	1388.6	1339.6	1281.0	1226.7	1165.3	1120.8	1020.1	997.5	758.6
35°	1527.7	1525.2	1482.8	1435.8	1373.1	1332.8	1264.2	1185.8	1099.3	1076.7	811.9
37.5°	1603.8	1601.1	1562.2	1512.5	1454.4	1428.2	1370.8	1263.7	1182.8	1162.2	871.1
40°	1645.2	1639.6	1612.7	1575.7	1526.9	1504.1	1480.2	1360.4	1281.0	1255.4	940.9
42.5°	1657.4	1650.8	1633.0	1615.8	1586.3	1568.3	1593.9	1469.6	1388.9	1366.8	1020.6
45°	1621.4	1617.6	1616.0	1628.5	1633.8	1638.9	1702.1	1590.4	1507.9	1491.2	1120.8
47.5°	1534.6	1533.5	1547.0	1598.8	1655.1	1708.7	1819.6	1739.4	1662.2	1644.2	1260.9
50°	1374.1	1384.6	1422.1	1513.0	1625.7	1748.3	1929.5	1946.0	1912.0	1885.6	1443.7
52.5°	1123.4	1143.4	1227.7	1365.8	1527.7	1737.1	1980.3	2111.5	2146.2	2118.8	1574.7
55°	881.5	900.3	975.4	1150.5	1366.5	1652.1	1982.5	2168.6	2244.5	2219.1	1663.2
57.5°	656.6	673.9	742.2	909.7	1147.2	1484.8	1928.2	2200.3	2361.0	2344.7	1803.1
60°	429.2	446.2	507.9	654.3	889.9	1241.1	1794.5	2193.7	2519.6	2518.1	1974.9
62.5°	238.1	251.5	296.2	410.4	621.1	961.2	1584.3	2127.5	2673.2	2682.8	2116.6
65°	121.8	130.5	157.6	225.6	375.9	681.5	1307.9	1975.7	2744.2	2768.6	2153.9
67.5°	79.7	82.5	89.1	117.3	201.3	428.7	984.3	1732.3	2644.2	2672.7	2028.7
70°	64.7	67.0	70.8	78.2	103.8	227.7	646.5	1383.5	2209.4	2228.7	1615.5
72.5°	47.5	50.5	57.9	62.7	74.9	124.9	336.3	908.1	1517.3	1551.3	1015.3
75°	35.0	36.8	42.9	49.5	61.2	78.9	128.7	477.4	783.5	763.7	426.4
77.5°	21.1	22.3	27.4	31.7	43.7	49.2	44.9	176.4	238.3	224.1	103.0
80°	10.4	11.7	18.0	23.9	27.9	19.8	18.8	49.2	53.0	53.0	25.9
82.5°	3.6	4.6	9.6	15.7	13.7	7.6	8.9	12.7	14.2	15.0	7.6
85°	0.0	0.0	2.3	4.6	2.0	1.0	2.3	2.8	3.6	3.8	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.0	1.0
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°	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2.5°	259.4	247.5	229.4	213.2	200.8	189.1	180.2	173.1	171.8	167.8	168.3
5°	271.1	249.5	216.2	190.6	172.6	160.4	150.3	142.6	139.3	136.0	133.5
7.5°	289.1	257.9	211.2	180.0	158.9	140.1	124.4	111.7	105.6	101.8	99.2
10°	311.2	269.5	211.4	173.6	142.4	113.7	92.1	78.2	71.6	69.5	69.3
12.5°	337.6	284.3	213.5	163.2	118.5	84.5	68.3	61.9	59.9	58.1	58.1
15°	365.5	300.8	213.5	144.2	90.4	66.0	59.1	55.1	52.5	51.5	51.0
17.5°	394.9	316.3	208.4	118.0	69.3	58.1	52.5	48.7	46.7	45.2	44.7
20°	426.4	331.0	195.7	90.4	59.4	52.0	46.7	42.9	40.9	39.3	39.3
22.5°	458.4	344.7	175.1	69.5	52.5	46.2	41.1	37.6	35.5	34.0	34.0
25°	488.1	353.8	148.7	57.4	47.5	41.1	36.5	33.0	30.7	29.7	29.2
27.5°	515.7	359.7	119.5	50.5	42.6	36.8	32.0	28.7	26.9	26.1	25.6
30°	544.4	361.2	91.4	45.9	38.6	32.5	27.9	25.4	23.9	22.8	22.8
32.5°	572.3	359.4	69.8	42.1	35.0	28.7	24.9	22.6	21.3	20.6	20.3
35°	600.8	351.3	56.6	38.8	31.5	25.1	22.1	20.3	19.5	18.5	18.5
37.5°	631.7	340.4	49.2	35.5	27.9	22.6	19.8	18.5	17.5	16.8	16.5
40°	670.3	327.7	45.2	32.7	24.6	20.3	17.8	16.5	15.7	15.0	14.7
42.5°	716.0	315.2	43.1	29.7	22.1	18.0	16.0	14.5	13.7	12.7	12.4
45°	780.7	312.4	40.9	26.4	19.8	16.2	14.0	12.4	11.4	10.7	10.4
47.5°	884.8	320.3	37.1	22.8	17.5	14.2	11.9	10.7	9.4	8.6	8.1
50°	988.1	318.3	33.2	19.8	15.5	12.2	10.2	8.9	7.6	6.9	6.6
52.5°	1044.4	308.6	29.7	17.5	13.5	10.4	8.6	7.1	6.3	5.6	5.3
55°	1095.5	304.8	26.1	15.2	11.4	9.1	7.1	5.8	5.3	4.6	4.3
57.5°	1195.5	313.7	23.1	13.2	9.9	7.9	6.1	4.8	4.3	3.6	3.3
60°	1300.0	314.7	19.8	11.4	8.6	6.6	4.8	3.8	3.3	2.5	2.3
62.5°	1354.6	289.1	16.2	9.6	7.1	5.6	4.1	3.0	2.5	1.5	1.5
65°	1308.9	233.8	13.7	7.9	5.6	4.3	3.0	2.3	1.5	0.8	0.3
67.5°	1158.4	166.2	11.4	6.3	4.1	3.0	2.3	1.5	0.3	0.0	0.0
70°	848.2	94.9	8.9	4.6	3.0	2.0	1.5	0.8	0.0	0.0	0.0
72.5°	521.3	50.8	6.6	3.0	2.3	1.5	1.3	0.5	0.0	0.0	0.0
75°	197.7	24.4	4.1	2.0	1.8	1.3	0.8	0.3	0.0	0.0	0.0
77.5°	53.6	11.9	2.3	1.5	1.3	0.8	0.5	0.0	0.0	0.0	0.0
80°	14.0	5.6	1.5	1.0	0.8	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	4.8	2.5	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.0	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.3	0.3	0.3	0.3	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)