

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: P629649

Luminaire Tested: GWS-SA1C-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2771.6 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

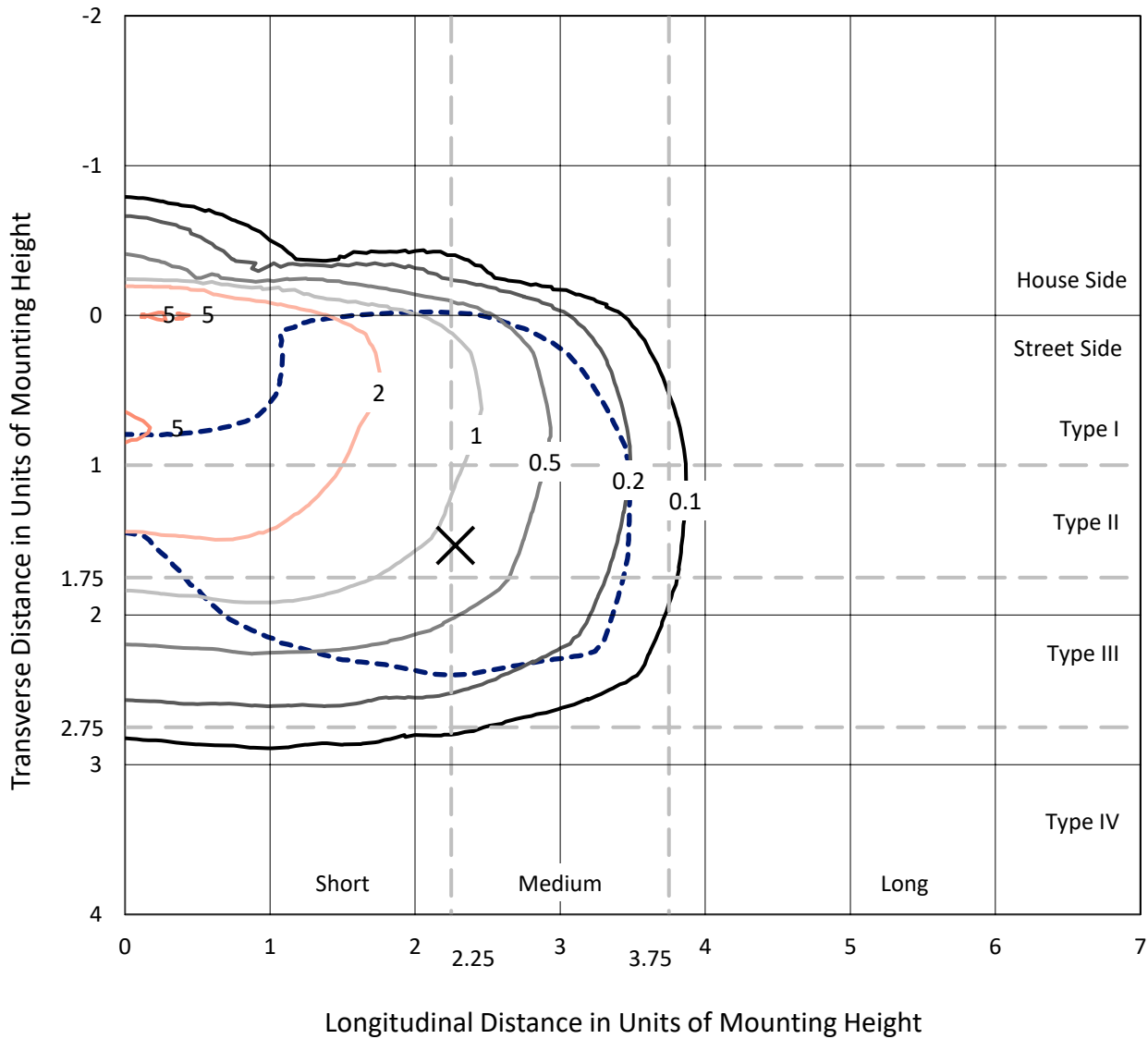
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA1C-722-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

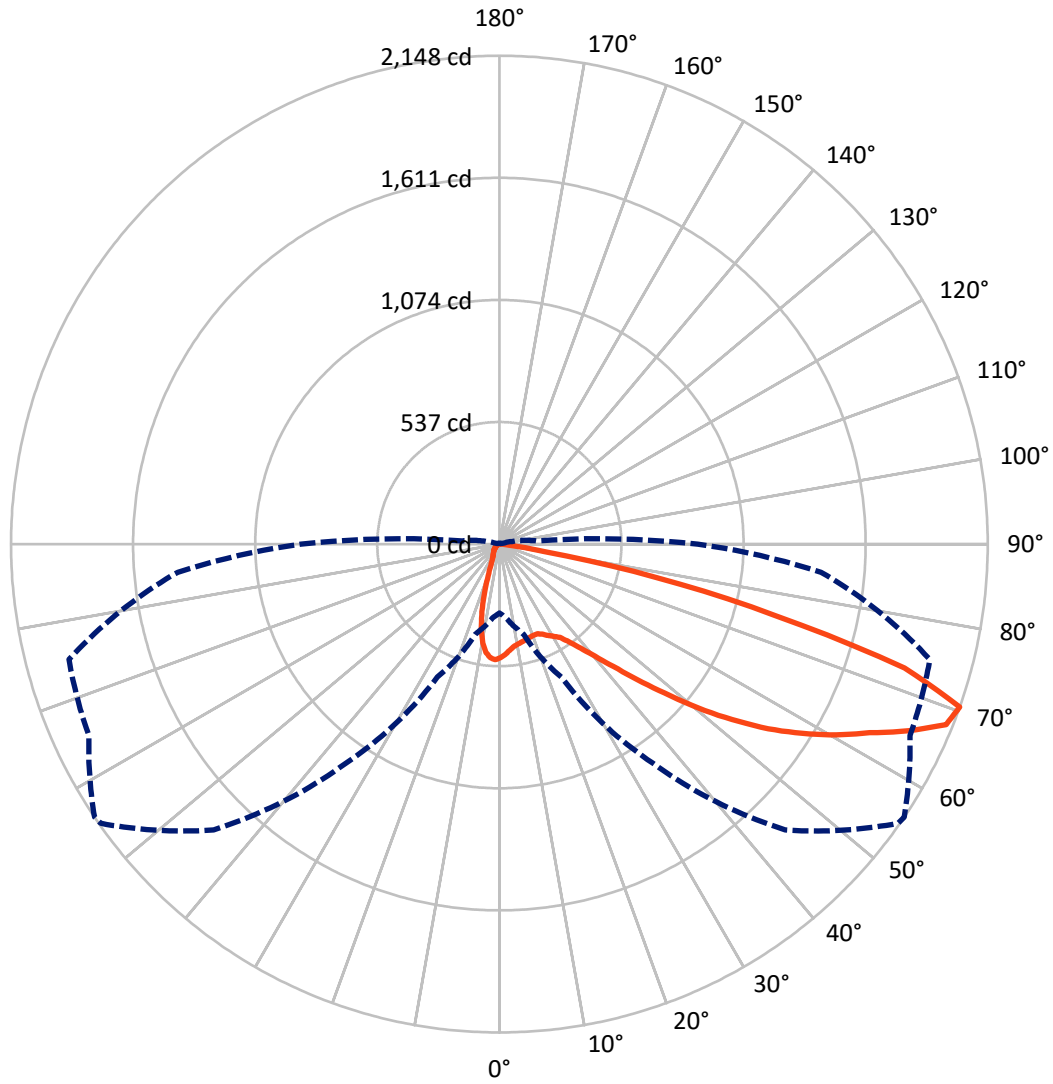
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

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CATALOG NUMBER: GWS-SA1C-722-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	248.9	0.0	248.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2522.7	0.0	2522.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	2771.6	0.0	2771.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.5
10°-20°	96.5	3.5
20°-30°	152.9	5.5
30°-40°	263.6	9.5
40°-50°	445.2	16.1
50°-60°	654.1	23.6
60°-70°	775.4	28.0
70°-80°	330.7	11.9
80°-90°	10.4	0.4
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°	2771.6	100.0
0°-180°	2771.6	100.0

Coefficient of Utilization



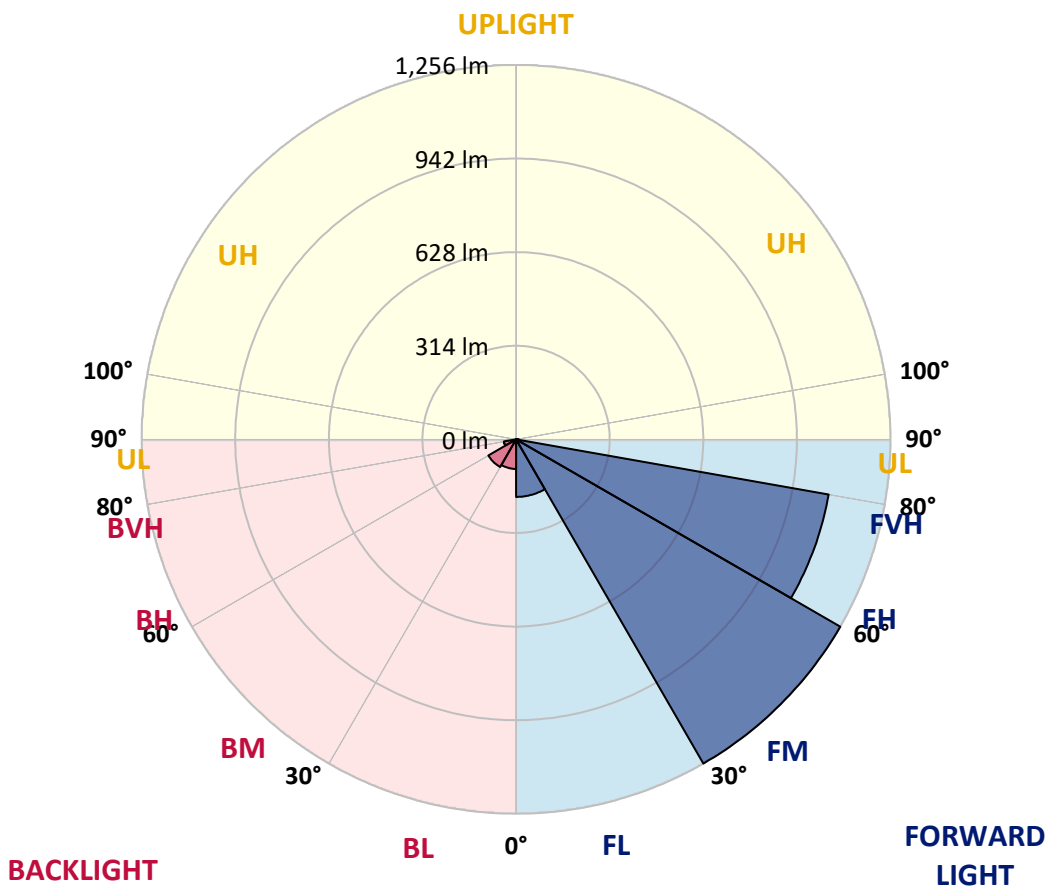
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.1	7.0			
FM (30°-60°)	1255.6	45.3			
FH (60°-80°)	1064.6	38.4			G1/1800
FVH (80°-90°)	9.3	0.3			G0/10
BL (0°-30°)	99.1	3.6	B0/110		
BM (30°-60°)	107.2	3.9	B0/220		
BH (60°-80°)	41.5	1.5	B0/110		G0/110
BVH (80°-90°)	1.1	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 III Medium





REPORT NUMBER: P629649

CATALOG NUMBER: GWS-SA1C-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7
2.5°	465.2	464.5	465.0	468.8	475.9	479.2	484.8	485.8	490.4	496.2	498.5
5°	435.0	432.5	433.8	439.1	447.2	456.3	466.8	469.5	481.0	493.9	503.6
7.5°	407.4	404.6	407.6	416.0	427.4	437.3	452.8	454.6	472.8	495.7	513.2
10°	364.0	364.7	370.8	385.5	403.0	423.6	444.4	447.0	469.5	501.5	528.7
12.5°	330.7	328.9	335.5	352.3	376.9	406.9	438.1	441.4	469.8	510.4	548.5
15°	315.2	314.7	317.5	329.7	353.6	388.8	432.2	436.5	473.1	518.5	567.3
17.5°	315.7	315.0	314.7	321.8	339.6	375.4	425.9	431.5	475.9	527.4	587.1
20°	337.8	334.3	327.9	324.6	335.3	366.8	421.6	427.9	480.0	536.8	608.1
22.5°	384.0	385.3	368.3	350.5	345.4	367.8	421.1	428.4	488.8	551.5	634.0
25°	476.4	474.4	442.9	403.0	375.4	379.4	430.0	438.8	506.3	572.6	658.4
27.5°	592.1	593.9	550.8	487.3	429.4	403.6	446.2	455.1	526.7	585.8	674.6
30°	718.3	716.5	670.3	600.0	506.1	443.7	462.4	470.3	536.8	592.9	691.4
32.5°	837.6	833.5	787.8	714.2	603.8	506.9	484.8	489.3	550.3	608.4	714.0
35°	939.3	939.1	899.2	820.8	704.3	586.0	523.1	526.9	575.4	633.0	747.2
37.5°	1044.4	1040.9	996.2	924.6	807.6	672.8	581.7	580.2	615.0	669.3	788.1
40°	1130.7	1128.4	1094.2	1025.4	915.0	768.8	652.8	648.2	661.9	719.5	844.9
42.5°	1194.7	1194.9	1184.3	1142.4	1028.7	879.7	742.1	735.0	734.8	795.4	920.1
45°	1243.2	1246.4	1262.4	1256.1	1162.9	1008.9	856.6	849.2	836.8	893.9	1006.1
47.5°	1265.7	1270.1	1318.3	1343.7	1280.5	1137.1	992.9	977.4	953.0	1024.9	1102.3
50°	1263.5	1271.1	1338.3	1415.5	1387.1	1267.0	1141.4	1134.0	1094.2	1163.5	1197.5
52.5°	1211.7	1227.9	1339.6	1459.1	1469.0	1386.8	1294.9	1281.2	1261.9	1308.1	1286.8
55°	1071.1	1090.9	1286.0	1473.1	1533.0	1491.4	1445.2	1434.0	1402.0	1444.7	1364.7
57.5°	994.7	1011.7	1173.4	1466.2	1587.3	1588.1	1578.9	1569.8	1543.4	1579.7	1456.1
60°	948.7	965.7	1113.2	1441.1	1636.6	1690.1	1704.6	1703.6	1665.5	1733.3	1563.2
62.5°	881.5	904.8	1050.5	1375.9	1671.6	1790.6	1834.3	1827.4	1785.0	1893.2	1669.3
65°	745.7	766.0	922.1	1268.3	1651.0	1873.9	1974.9	1978.4	1929.4	2043.7	1753.0
67.5°	522.8	537.8	692.9	1042.4	1511.4	1901.3	2118.8	2118.5	2035.0	2120.8	1716.0
70°	303.0	323.6	409.4	644.4	1175.9	1776.7	2140.4	2147.7	1992.1	1959.6	1420.1
72.5°	117.3	134.3	232.0	342.4	613.2	1360.9	1841.1	1862.7	1667.3	1511.7	988.3
75°	35.0	39.1	109.1	182.2	246.2	657.4	1246.4	1252.5	1143.7	942.9	506.6
77.5°	26.1	28.9	47.7	92.1	86.3	199.2	644.9	704.3	607.1	336.8	139.6
80°	17.8	21.1	34.0	44.9	32.0	53.0	181.2	199.0	185.3	75.6	35.0
82.5°	7.9	10.2	24.1	22.6	11.7	15.2	55.8	59.4	38.3	22.8	12.2
85°	0.8	1.0	9.1	9.9	4.3	3.6	11.7	11.7	8.4	7.9	5.1
87.5°	0.0	0.0	0.3	0.5	0.5	0.8	1.0	1.3	1.5	2.0	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629649
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7
2.5°	504.3	501.3	505.1	508.1	508.9	503.3	500.0	495.2	494.2	494.4	493.1
5°	511.2	509.6	512.4	509.1	500.5	484.3	470.3	454.8	446.4	441.6	441.1
7.5°	523.9	523.1	520.1	505.1	478.2	442.1	407.4	373.4	352.3	344.7	343.4
10°	542.6	541.1	528.7	493.1	435.8	366.5	308.1	259.4	229.7	221.1	210.4
12.5°	564.2	561.2	534.0	467.5	371.8	275.9	203.0	148.5	122.8	115.2	115.2
15°	585.0	578.4	531.0	425.1	293.1	179.4	113.5	85.8	77.9	75.9	75.9
17.5°	606.3	593.7	519.0	367.3	202.5	106.1	75.6	70.3	69.3	69.5	69.8
20°	626.4	606.6	498.0	297.7	129.2	74.1	67.8	66.5	66.0	66.5	66.2
22.5°	648.2	618.5	466.0	221.8	84.0	66.8	64.5	63.5	62.9	63.7	63.7
25°	669.8	627.2	423.6	149.2	66.8	62.2	60.9	59.9	59.4	59.6	59.6
27.5°	681.0	623.9	368.0	95.2	59.9	57.6	56.3	55.1	54.3	54.1	54.3
30°	688.6	613.7	300.0	67.8	54.3	51.5	50.3	49.2	47.2	45.9	46.4
32.5°	700.5	603.6	226.1	56.9	49.7	45.4	43.4	40.9	38.1	36.8	36.8
35°	714.7	589.6	158.6	51.3	44.9	40.4	36.5	32.2	28.9	27.9	27.9
37.5°	733.5	576.4	105.6	47.5	40.9	36.0	30.7	25.6	22.1	21.6	21.3
40°	761.7	565.2	74.4	44.7	37.3	31.5	25.1	19.8	17.3	16.5	16.5
42.5°	798.2	553.8	58.9	41.9	34.3	27.2	20.1	15.7	13.7	13.2	12.9
45°	843.4	540.4	51.3	39.3	31.2	22.6	16.0	13.2	11.7	11.2	11.2
47.5°	892.4	522.1	47.7	36.0	27.7	18.3	13.5	11.4	10.7	10.4	10.2
50°	940.6	497.5	44.7	33.0	23.6	15.0	11.7	10.4	9.9	9.6	9.6
52.5°	982.7	468.8	40.9	29.4	19.3	12.9	10.4	9.6	9.1	8.6	8.4
55°	1018.8	437.6	36.0	25.4	15.7	11.4	9.6	8.9	8.4	7.9	7.6
57.5°	1065.2	419.8	28.9	20.6	12.9	10.2	8.9	8.1	7.6	6.9	6.9
60°	1116.8	406.9	21.6	16.2	11.2	9.4	8.1	7.4	6.9	6.1	6.1
62.5°	1158.1	387.6	17.0	13.2	9.6	8.4	7.4	6.6	6.1	5.3	5.3
65°	1173.9	347.7	14.0	10.4	7.9	7.4	6.6	6.1	5.3	4.6	4.6
67.5°	1102.8	268.0	11.7	8.4	6.6	6.3	5.8	5.6	4.6	4.1	3.8
70°	873.4	163.5	9.6	6.9	5.6	5.3	5.3	4.8	4.1	3.8	3.6
72.5°	598.5	84.3	7.9	5.6	4.8	4.8	4.6	4.3	3.8	3.6	3.6
75°	310.9	28.2	6.1	4.3	3.8	4.1	4.1	3.8	3.6	3.6	3.3
77.5°	89.1	12.7	4.6	3.3	3.0	3.0	3.3	3.3	3.3	3.0	3.0
80°	23.1	7.4	3.3	2.5	2.5	2.5	2.5	2.8	3.0	2.8	2.8
82.5°	9.4	4.1	2.3	2.0	2.0	2.0	2.0	2.3	2.5	2.5	2.5
85°	5.8	2.0	1.8	1.8	1.8	1.5	1.5	1.8	1.8	2.0	2.0
87.5°	3.6	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
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)