

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: P629833

Luminaire Tested: GWS-SA1C-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3115.2 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

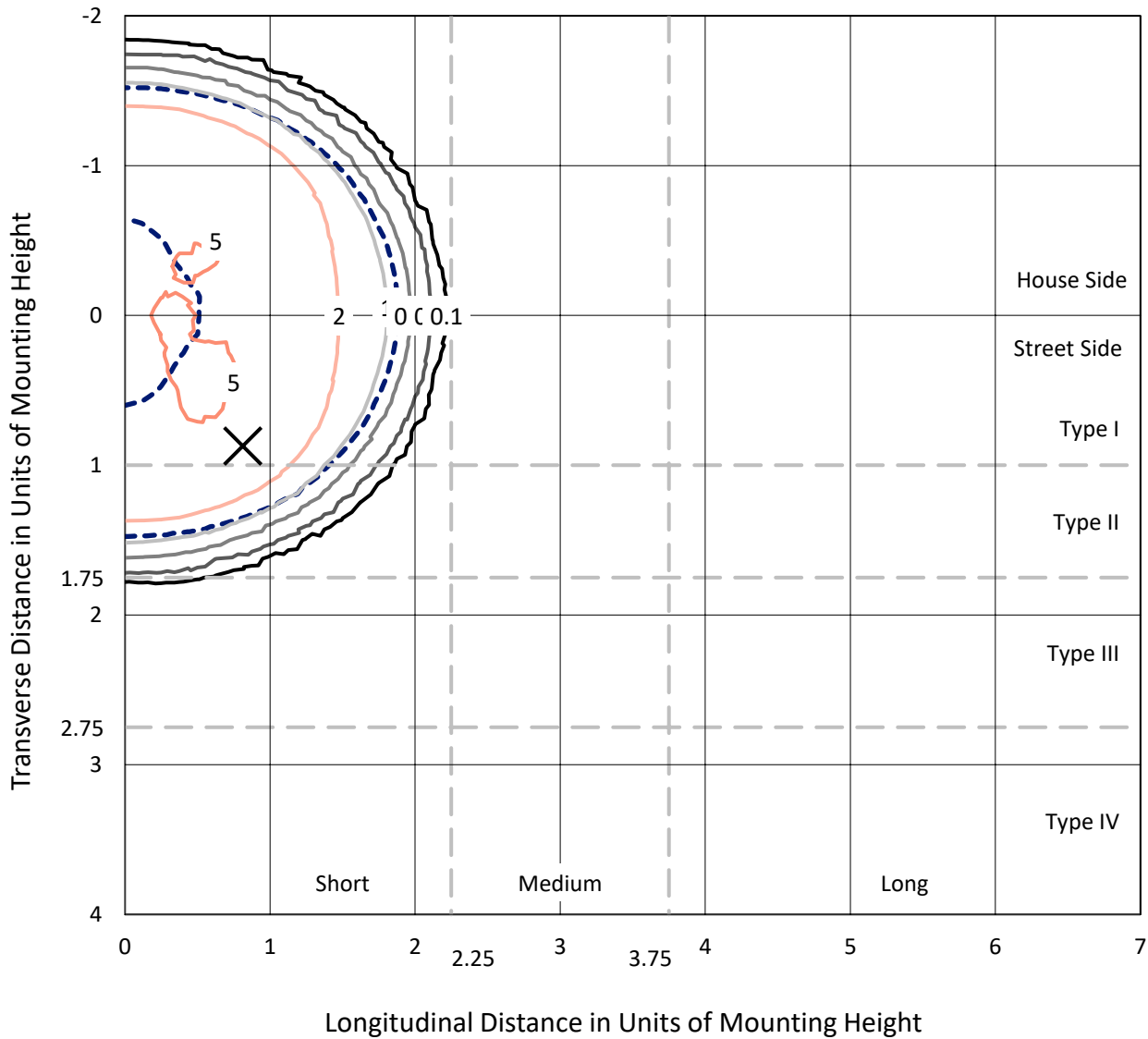
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

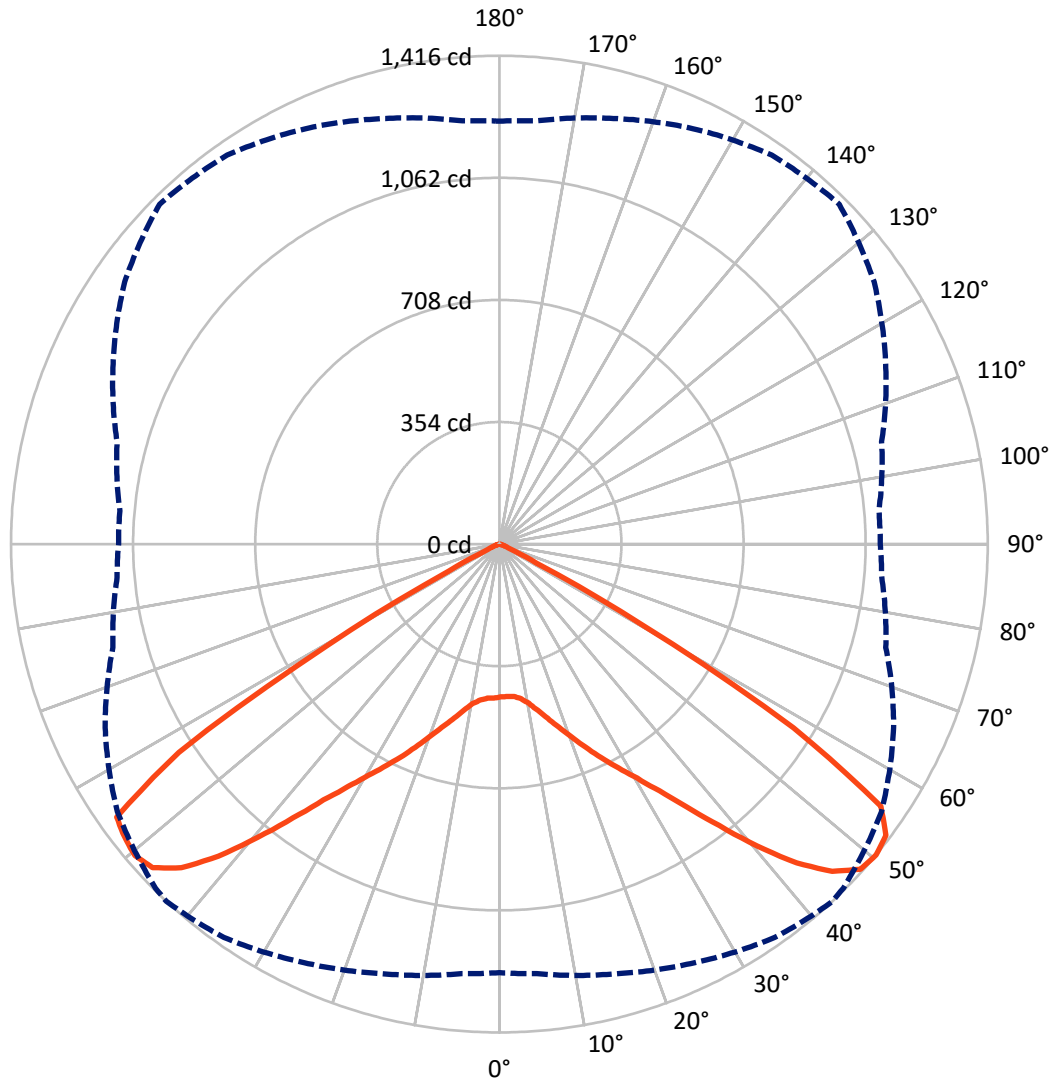
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1557.6	0.0	1557.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1557.6	0.0	1557.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3115.2	0.0	3115.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	1.4
10°-20°	150.2	4.8
20°-30°	303.8	9.8
30°-40°	563.6	18.1
40°-50°	935.6	30.0
50°-60°	954.8	30.7
60°-70°	156.6	5.0
70°-80°	6.9	0.2
80°-90°	0.1	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°	3115.2	100.0
0°-180°	3115.2	100.0

Coefficient of Utilization



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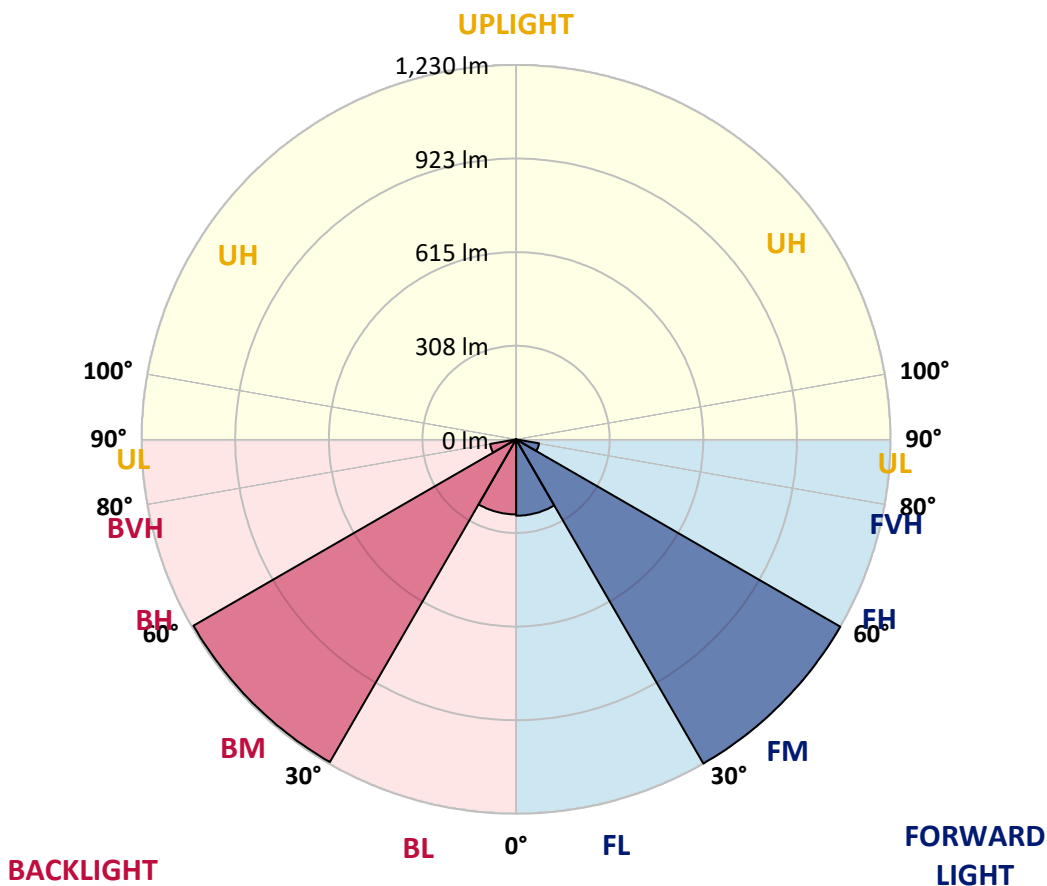
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.0	8.1			
FM (30°-60°)	1230.0	39.5			
FH (60°-80°)	76.6	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	246.6	7.9	B1/500		
BM (30°-60°)	1224.1	39.3	B2/2500		
BH (60°-80°)	86.8	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1
2.5°	434.8	435.9	437.2	438.6	440.3	442.1	443.1	446.2	445.5	448.3	448.3
5°	430.0	431.0	432.8	435.9	439.6	443.4	446.2	452.4	455.8	461.3	463.4
7.5°	432.4	433.8	435.9	440.7	446.5	452.4	455.5	465.5	472.4	482.7	488.6
10°	440.3	441.7	445.2	453.4	461.0	469.3	473.1	485.8	496.8	511.0	519.2
12.5°	449.3	451.0	457.9	470.3	483.4	494.4	499.6	513.7	525.1	540.9	554.0
15°	458.6	461.3	472.0	490.3	508.9	523.7	529.2	544.4	555.8	572.6	587.5
17.5°	480.3	483.4	495.5	515.1	540.6	557.8	562.6	578.5	587.1	598.5	614.0
20°	507.5	513.4	528.2	552.0	579.9	596.4	599.9	615.4	614.7	619.5	632.9
22.5°	541.3	545.4	561.6	589.9	621.2	639.5	647.4	654.0	645.3	641.2	649.8
25°	576.4	581.3	598.8	629.8	665.0	686.0	692.5	697.7	683.9	668.4	669.5
27.5°	621.9	625.4	642.6	675.7	710.8	734.6	740.4	749.4	731.1	706.3	699.4
30°	676.0	679.4	697.7	732.5	767.3	787.6	796.6	807.6	787.6	756.6	748.7
32.5°	739.4	742.8	766.3	802.1	830.7	852.8	861.4	873.1	857.2	822.4	813.5
35°	815.2	817.3	844.8	883.8	914.1	935.4	941.3	955.1	937.5	902.7	897.9
37.5°	903.1	905.5	935.4	980.6	1011.6	1035.4	1044.7	1048.5	1027.1	988.2	984.4
40°	999.5	1007.5	1036.7	1085.3	1120.1	1150.1	1158.4	1145.6	1115.6	1062.6	1055.7
42.5°	1100.1	1107.0	1139.8	1192.5	1232.8	1263.5	1263.8	1236.2	1185.2	1111.9	1101.5
45°	1183.9	1186.6	1229.0	1282.1	1331.7	1353.4	1355.4	1305.5	1228.7	1140.5	1118.4
47.5°	1241.4	1245.9	1282.7	1333.7	1388.5	1408.2	1404.0	1341.7	1249.3	1159.1	1122.5
50°	1242.1	1249.7	1289.6	1338.9	1392.0	1415.7	1409.9	1352.0	1261.0	1159.7	1112.5
52.5°	1132.2	1144.6	1209.7	1281.0	1362.3	1403.0	1404.4	1365.4	1256.6	1148.7	1103.6
55°	854.1	867.6	949.6	1071.2	1228.3	1341.7	1361.3	1349.6	1251.4	1153.5	1119.4
57.5°	452.0	441.7	487.2	607.8	805.2	1005.7	1063.3	1157.0	1193.9	1159.4	1148.7
60°	98.5	105.1	139.9	188.5	314.2	473.1	529.2	689.8	880.7	965.4	1026.8
62.5°	42.4	41.7	43.4	49.3	72.0	119.9	146.4	239.1	377.3	518.2	613.6
65°	34.8	35.1	36.5	36.5	34.1	34.5	36.2	54.8	88.2	123.7	166.1
67.5°	26.2	26.5	28.9	29.6	27.9	24.8	24.5	20.7	21.7	27.2	28.3
70°	16.5	16.5	17.9	18.6	18.6	17.2	16.9	14.8	14.5	16.5	18.6
72.5°	9.0	9.0	9.6	10.0	9.6	9.3	9.3	9.0	8.6	10.0	12.7
75°	3.8	3.8	4.1	4.1	3.8	3.8	3.8	3.8	3.8	4.5	6.9
77.5°	0.7	1.0	1.4	1.0	0.7	0.7	0.7	1.0	1.0	1.4	2.1
80°	0.3	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1
2.5°	450.7	446.9	448.3	448.9	447.9	447.2	443.4	442.4	440.7	437.9	437.2
5°	465.8	462.7	462.4	460.3	455.5	449.6	442.4	439.3	435.9	432.4	431.7
7.5°	491.3	487.5	485.1	478.2	467.2	457.9	445.8	439.3	434.8	430.3	429.3
10°	524.1	519.6	512.7	499.9	485.1	471.7	457.6	448.9	442.1	435.9	435.5
12.5°	558.9	554.0	541.6	525.4	507.5	495.1	477.2	465.1	454.8	445.5	444.5
15°	595.4	589.5	572.6	553.3	536.8	524.1	504.4	485.1	469.3	455.8	454.5
17.5°	623.3	616.1	596.1	581.6	568.2	555.1	533.0	507.5	486.5	470.3	466.5
20°	640.9	634.0	615.0	607.1	600.9	591.6	565.4	538.9	515.4	495.5	492.0
22.5°	657.7	649.5	632.9	632.9	637.8	634.0	605.7	575.4	547.8	524.7	519.6
25°	676.7	670.1	658.4	668.1	680.1	679.8	650.8	612.9	581.3	555.4	550.2
27.5°	704.3	697.7	693.6	711.8	727.0	726.0	694.3	653.3	619.8	594.3	589.5
30°	752.8	746.6	742.2	764.2	783.5	776.3	741.5	701.8	668.1	639.1	635.7
32.5°	817.6	811.1	805.2	827.3	844.5	835.2	802.1	764.9	726.0	697.7	690.8
35°	902.7	888.9	883.1	909.3	916.5	906.2	874.5	841.7	800.4	768.0	763.5
37.5°	990.6	974.4	970.2	993.0	1004.7	1000.9	963.7	929.6	884.8	849.0	843.8
40°	1065.7	1050.9	1043.6	1079.1	1105.7	1108.1	1074.6	1033.0	980.2	943.0	933.7
42.5°	1109.8	1097.0	1095.3	1150.4	1193.9	1224.9	1184.9	1141.8	1086.4	1044.3	1036.7
45°	1119.8	1111.5	1126.0	1198.3	1265.9	1322.4	1288.3	1242.8	1182.8	1138.4	1131.1
47.5°	1118.7	1116.0	1141.8	1223.1	1308.6	1378.2	1361.3	1310.0	1252.1	1205.6	1198.7
50°	1103.9	1104.3	1147.3	1235.5	1325.8	1393.3	1376.5	1328.9	1277.2	1231.4	1225.9
52.5°	1098.1	1096.0	1137.0	1231.8	1343.4	1386.5	1348.6	1295.2	1237.6	1181.1	1172.8
55°	1118.7	1113.6	1138.4	1228.7	1345.5	1382.7	1282.7	1167.0	1049.1	982.3	976.8
57.5°	1149.8	1144.2	1156.0	1205.9	1237.6	1149.8	944.1	757.3	636.0	584.7	562.3
60°	1026.8	1023.0	1014.0	953.7	818.0	617.1	420.3	268.1	192.6	155.7	155.7
62.5°	637.1	631.9	583.3	433.4	314.9	182.3	100.3	62.7	47.5	44.4	44.1
65°	178.8	177.8	147.1	104.1	66.2	41.0	36.2	36.9	36.2	35.1	34.8
67.5°	26.9	29.6	29.6	24.1	23.1	25.8	30.3	32.4	30.7	28.9	28.3
70°	17.2	18.6	17.9	15.5	16.5	19.3	21.7	22.1	21.0	19.3	19.0
72.5°	12.1	13.4	11.0	10.0	10.3	11.4	12.4	12.4	12.1	11.4	10.7
75°	7.2	7.2	5.2	4.8	4.8	5.2	5.2	5.9	5.9	5.5	5.2
77.5°	2.4	2.8	1.7	1.4	1.4	1.4	1.7	2.1	2.1	1.7	1.4
80°	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)