

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: P631130

Luminaire Tested: GWS-SA1F-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3892.2 lumens
Efficiency: N/A
Efficacy: 57.9 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

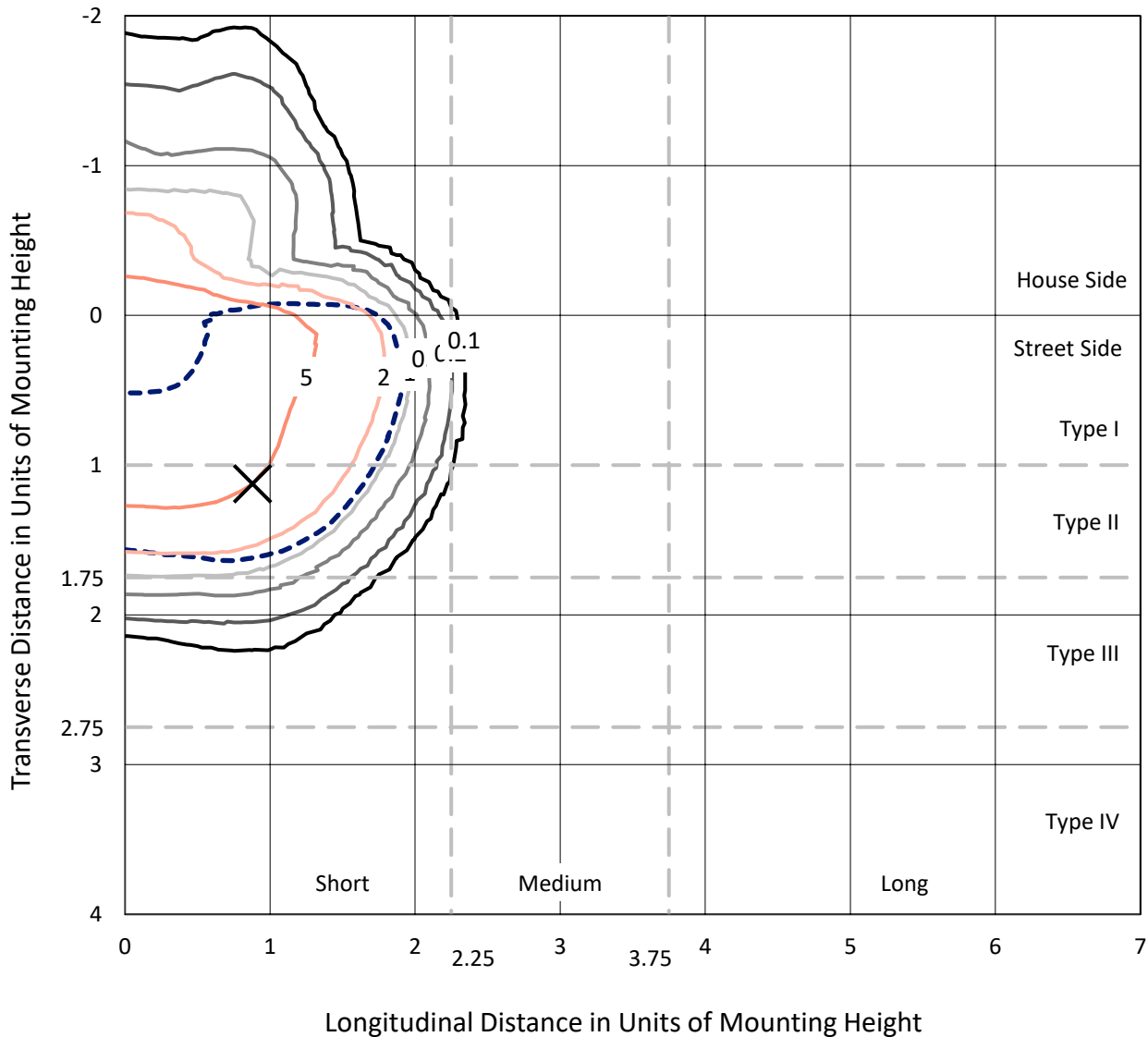
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

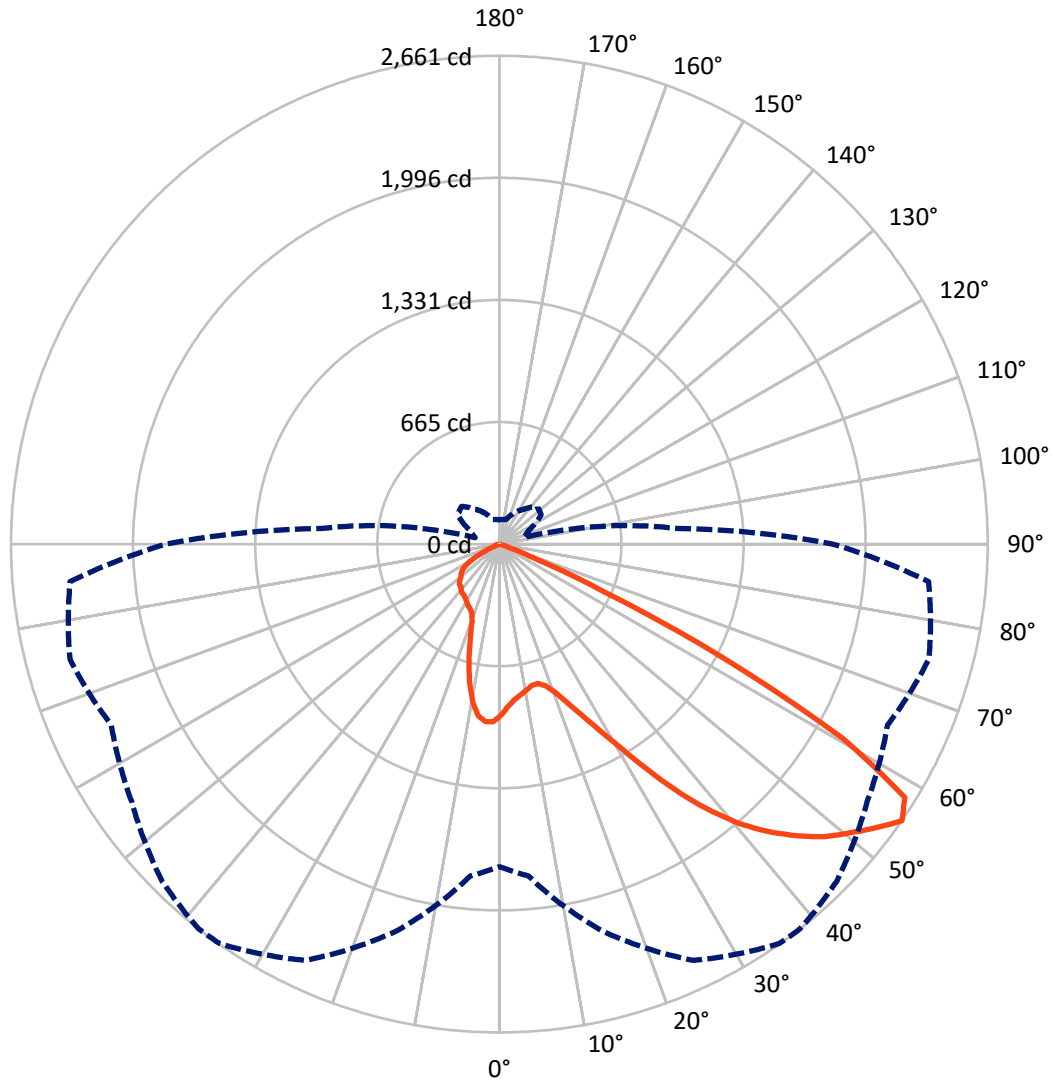
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.3	0.0	758.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3133.9	0.0	3133.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	3892.2	0.0	3892.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.2
10°-20°	232.3	6.0
20°-30°	398.7	10.2
30°-40°	661.3	17.0
40°-50°	972.1	25.0
50°-60°	1135.9	29.2
60°-70°	385.1	9.9
70°-80°	19.7	0.5
80°-90°	0.8	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°	3892.2	100.0
0°-180°	3892.2	100.0

Coefficient of Utilization



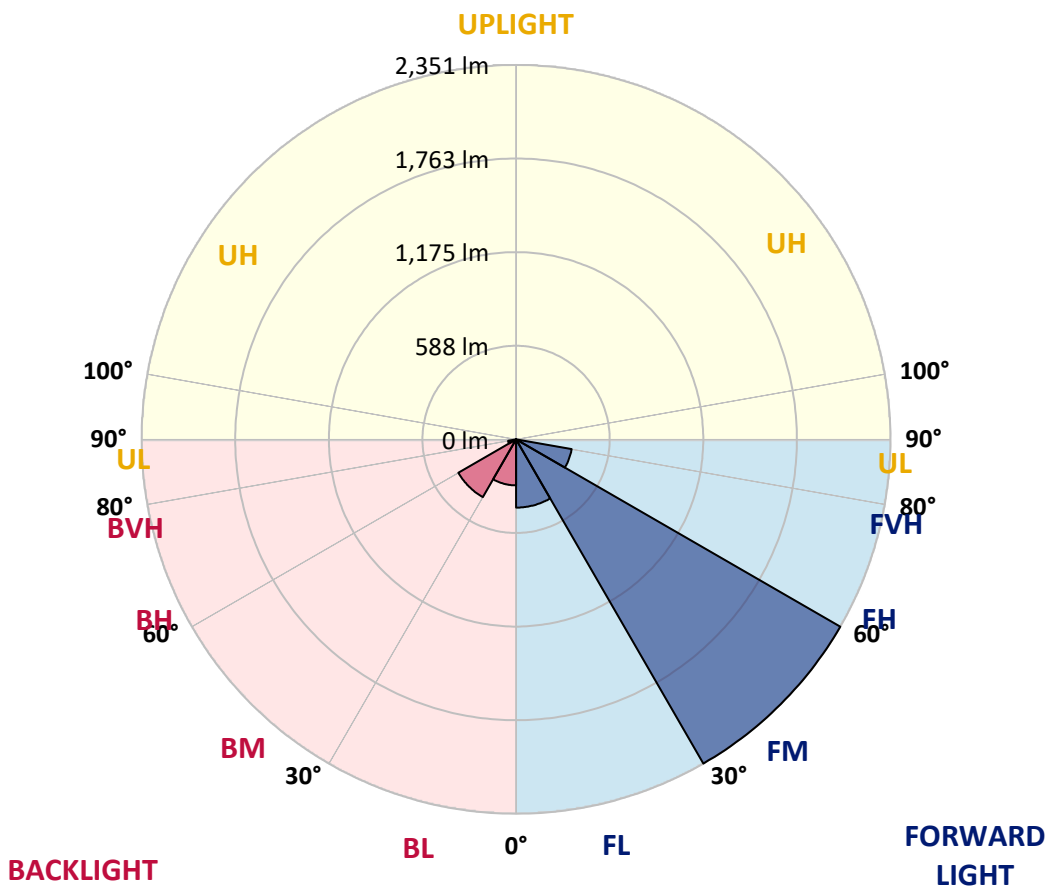
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.4	11.0			
FM (30°-60°)	2350.8	60.4			
FH (60°-80°)	354.3	9.1			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	288.9	7.4	B1/500		
BM (30°-60°)	418.6	10.8	B1/1000		
BH (60°-80°)	50.5	1.3	B0/110		G0/110
BVH (80°-90°)	0.4	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°	38°	45°	55°	65°	75°	85°
0°	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4
2.5°	869.3	867.5	871.1	878.2	884.9	887.1	893.8	903.1	908.9	922.7	933.8
5°	830.2	829.3	832.8	839.1	848.0	851.1	861.3	876.9	892.4	916.5	940.1
7.5°	794.6	794.1	799.5	813.3	826.2	830.2	842.6	861.8	882.7	919.6	954.3
10°	747.9	748.3	758.5	778.1	801.7	809.7	829.7	857.3	884.4	932.0	980.1
12.5°	732.7	733.6	739.0	754.1	779.9	790.1	818.2	860.0	894.7	949.8	1013.5
15°	769.7	769.7	765.2	767.0	778.6	787.9	817.3	868.9	912.0	971.2	1046.4
17.5°	841.3	838.6	827.5	812.4	808.4	811.5	835.1	888.0	936.5	996.1	1083.8
20°	938.3	939.2	917.4	885.8	860.4	860.0	874.2	921.8	971.6	1025.9	1124.2
22.5°	1055.7	1052.2	1023.2	980.1	936.0	932.5	938.3	973.4	1022.4	1073.1	1174.1
25°	1191.9	1190.1	1149.2	1091.3	1033.0	1024.6	1024.6	1059.3	1094.9	1140.3	1233.7
27.5°	1334.2	1334.2	1294.6	1227.9	1150.5	1135.4	1133.1	1174.1	1197.6	1206.5	1284.0
30°	1480.6	1478.8	1439.7	1371.2	1288.4	1272.8	1266.6	1296.9	1313.8	1287.1	1346.7
32.5°	1629.2	1632.3	1592.7	1529.1	1455.2	1445.0	1425.9	1425.9	1439.7	1402.3	1445.4
35°	1788.9	1788.0	1756.9	1713.7	1650.5	1639.0	1607.4	1558.0	1578.9	1562.5	1582.0
37.5°	1929.9	1936.6	1921.5	1889.4	1838.3	1826.7	1774.7	1685.2	1701.3	1727.1	1744.4
40°	2073.2	2078.5	2093.7	2083.4	2018.9	1997.6	1905.0	1758.2	1776.0	1864.5	1914.4
42.5°	2213.8	2216.4	2247.1	2264.0	2177.7	2140.4	2003.8	1802.7	1821.4	1972.2	2059.4
45°	2303.2	2309.0	2359.7	2411.3	2317.9	2266.7	2089.6	1859.6	1867.6	2046.9	2166.6
47.5°	2299.6	2313.0	2408.2	2502.1	2438.4	2383.3	2192.9	1950.8	1937.5	2117.2	2237.4
50°	2228.0	2244.0	2380.6	2529.6	2525.2	2474.0	2307.6	2083.0	2041.2	2179.5	2246.2
52.5°	2079.4	2125.7	2332.1	2533.2	2595.0	2569.2	2449.6	2260.9	2181.3	2268.9	2260.5
55°	1758.2	1815.2	2184.9	2503.0	2658.2	2661.3	2598.6	2446.5	2333.4	2422.9	2348.1
57.5°	1334.7	1380.0	1681.7	2228.0	2553.7	2604.8	2656.4	2544.3	2427.3	2527.9	2368.6
60°	804.4	856.9	1053.1	1635.0	2062.5	2149.7	2352.1	2330.3	2189.3	2232.5	1942.4
62.5°	326.1	353.7	486.3	900.9	1298.2	1379.6	1573.6	1606.5	1571.8	1527.8	1178.1
65°	119.2	130.4	194.9	372.4	597.0	626.9	729.2	787.5	835.5	711.4	438.2
67.5°	73.9	81.0	126.8	191.3	217.1	202.0	205.5	245.1	234.0	144.6	78.3
70°	54.7	60.5	99.2	132.6	87.6	67.6	45.8	48.9	44.0	38.7	38.3
72.5°	37.8	43.2	74.3	78.3	33.8	24.0	16.9	23.6	26.7	26.2	27.1
75°	24.9	28.9	46.7	30.7	8.5	6.7	5.8	12.5	16.0	16.0	16.5
77.5°	14.7	16.9	16.5	6.2	1.8	1.8	1.3	2.2	3.6	4.0	4.9
80°	1.8	1.3	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3
82.5°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
85°	0.0	0.0	0.4	0.4	0.9	0.9	0.9	0.9	0.9	1.3	1.3
87.5°	0.0	0.0	0.4	0.4	0.9	0.9	0.9	0.9	0.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4	933.4
2.5°	942.3	939.2	952.1	961.4	969.0	972.5	967.6	967.2	967.2	957.4	954.7
5°	953.4	954.7	973.0	981.0	982.3	977.9	966.7	959.2	954.7	944.5	938.7
7.5°	974.8	979.2	996.6	995.2	983.2	962.7	933.4	910.7	896.0	880.0	870.2
10°	1005.5	1013.9	1024.6	1005.9	967.6	915.6	855.1	811.9	786.1	767.9	756.8
12.5°	1042.8	1051.3	1047.7	1003.7	924.0	831.1	753.2	690.9	661.1	644.6	633.1
15°	1080.6	1086.0	1062.8	977.0	847.1	722.1	635.3	573.5	537.0	523.6	513.8
17.5°	1119.3	1118.0	1065.5	924.5	744.3	599.3	513.8	471.6	461.4	459.1	458.2
20°	1159.8	1147.8	1054.8	849.3	620.6	477.8	429.3	432.0	450.7	459.6	461.4
22.5°	1206.1	1175.8	1028.1	747.4	494.3	398.2	403.1	429.3	454.7	466.7	468.5
25°	1255.5	1201.6	983.7	616.6	389.7	366.1	395.1	425.3	452.5	467.1	468.9
27.5°	1288.0	1207.9	910.7	484.9	334.6	353.7	384.4	413.3	441.3	457.3	459.6
30°	1323.1	1205.2	811.5	373.7	315.9	343.0	369.7	396.0	421.8	439.6	441.3
32.5°	1374.7	1203.4	690.5	303.4	308.3	334.6	354.1	375.9	393.7	404.0	402.6
35°	1442.3	1201.2	549.4	273.6	303.9	327.9	343.5	353.7	334.1	327.9	329.2
37.5°	1529.1	1206.5	430.7	261.2	302.5	326.1	339.5	310.1	279.8	268.3	266.5
40°	1625.2	1220.3	328.3	256.3	307.0	330.6	324.3	275.8	238.5	215.8	210.9
42.5°	1721.7	1235.5	259.8	254.5	314.5	343.0	299.4	250.9	194.9	182.0	180.2
45°	1793.4	1232.8	224.7	251.4	321.2	350.1	292.7	215.3	174.0	168.2	168.6
47.5°	1829.4	1203.4	205.5	244.2	323.9	343.0	276.3	200.6	159.7	165.9	171.3
50°	1810.3	1127.4	187.7	230.5	318.1	333.7	250.0	189.5	152.6	178.4	190.4
52.5°	1787.1	1033.9	168.2	209.1	304.3	320.8	239.8	186.4	148.1	172.2	181.1
55°	1817.8	974.8	136.1	176.2	277.2	290.5	231.8	186.0	137.9	133.9	132.6
57.5°	1774.7	856.9	97.4	126.8	212.7	230.0	226.0	182.8	122.3	121.9	123.7
60°	1371.6	522.7	66.7	80.5	130.4	146.8	205.1	174.8	105.4	97.0	97.4
62.5°	779.4	222.4	45.8	49.8	66.7	79.2	156.6	158.8	97.4	92.5	97.4
65°	271.4	79.6	35.6	33.4	36.9	42.3	89.9	122.8	88.5	80.1	81.0
67.5°	56.1	39.6	31.6	27.6	27.6	27.6	45.8	76.5	73.0	63.6	64.5
70°	35.6	33.8	27.6	23.6	22.7	20.9	26.2	42.3	50.3	46.3	46.7
72.5°	26.2	25.8	21.8	19.1	16.9	15.1	16.5	20.9	25.8	26.7	27.1
75°	16.0	16.5	14.2	12.0	10.7	9.3	9.8	9.8	9.8	8.9	9.8
77.5°	4.9	5.3	4.4	3.6	3.1	3.1	3.1	2.7	2.2	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	0.0	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	0.9	0.9	0.4	0.4	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)