

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: P630415

Luminaire Tested: GWS-SA1D-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630415
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-SA1D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3890.3 lumens
Efficiency: N/A
Efficacy: 87.8 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

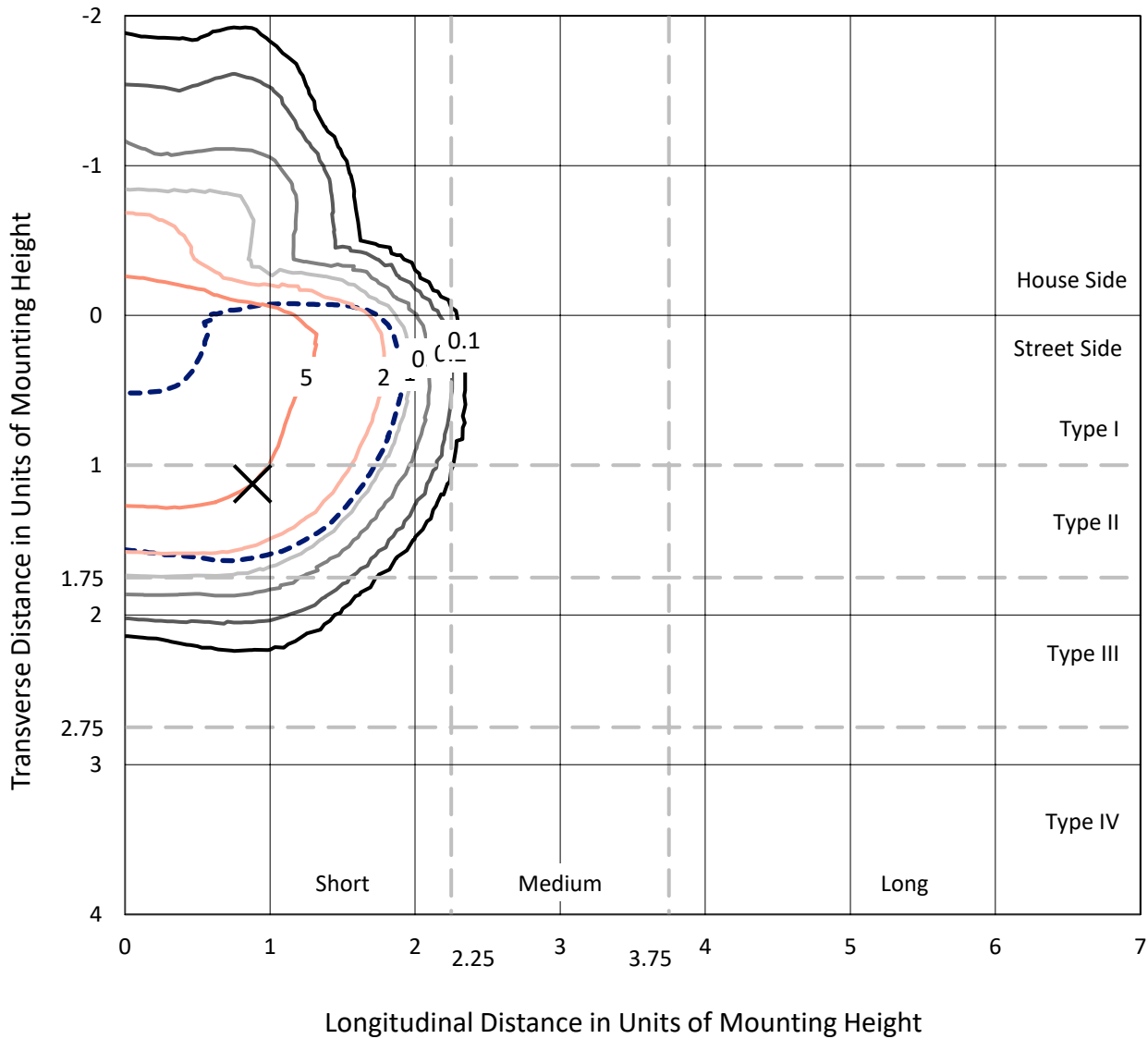
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

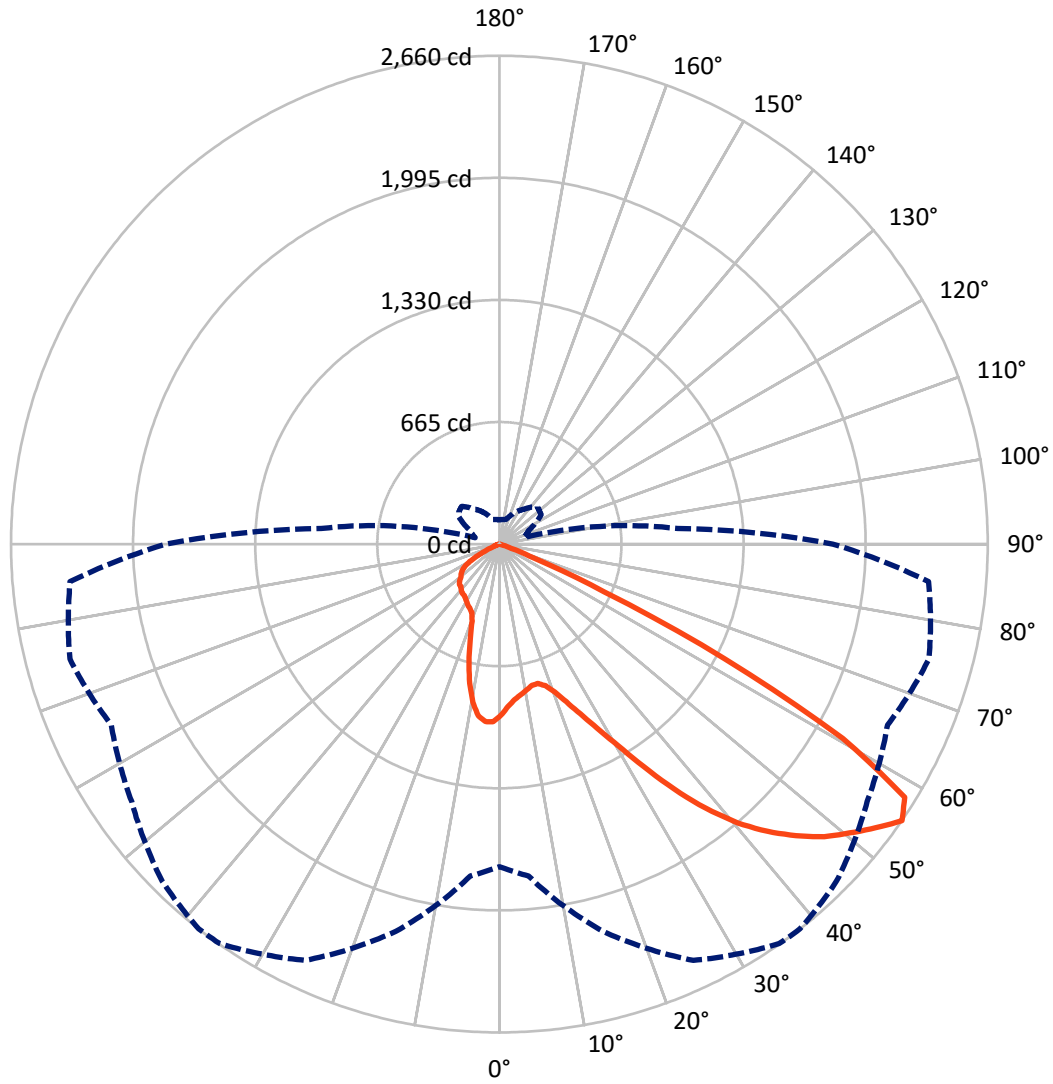
✕ Max cd
 - - - 1/2 Max cd



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	757.9	0.0	757.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3132.3	0.0	3132.3
	% Fixture	80.5	0.0	80.5
Total	Lumens	3890.3	0.0	3890.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.2
10°-20°	232.2	6.0
20°-30°	398.5	10.2
30°-40°	661.0	17.0
40°-50°	971.6	25.0
50°-60°	1135.4	29.2
60°-70°	384.9	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°	3890.3	100.0
0°-180°	3890.3	100.0

Coefficient of Utilization



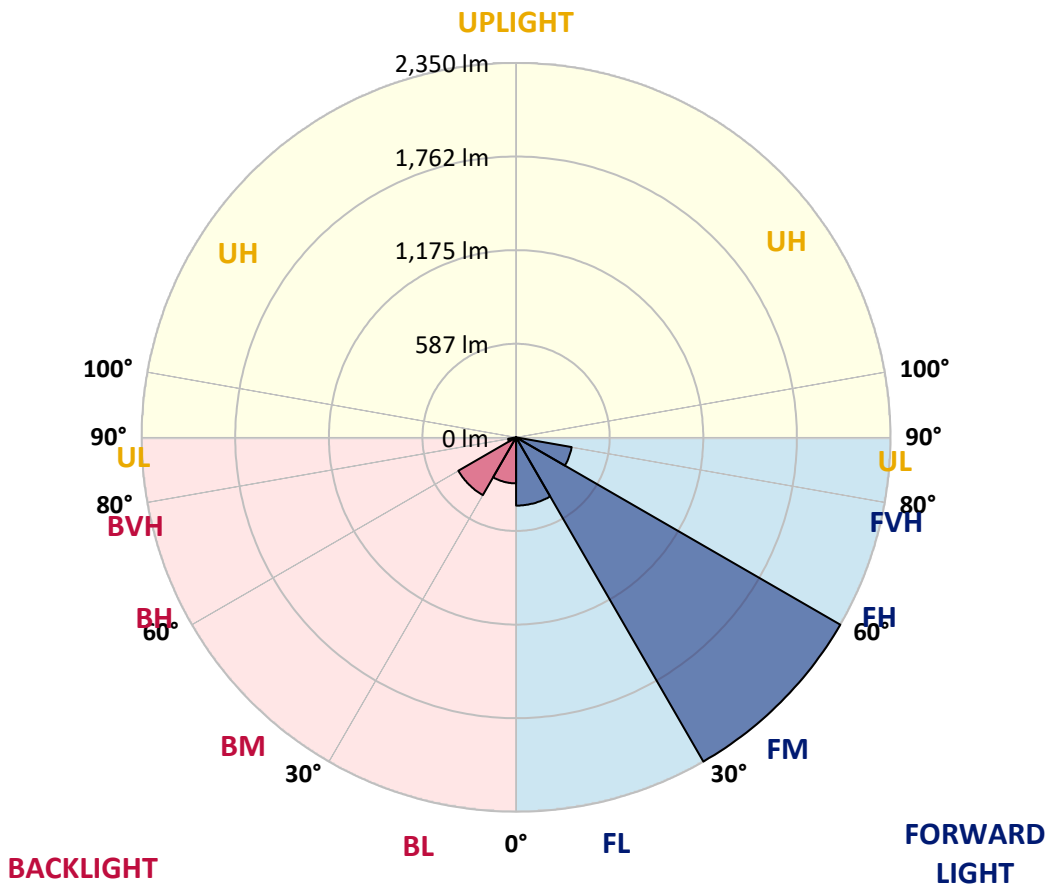
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.2	11.0			
FM (30°-60°)	2349.6	60.4			
FH (60°-80°)	354.1	9.1			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	288.8	7.4	B1/500		
BM (30°-60°)	418.4	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°	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9
2.5°	868.9	867.1	870.7	877.8	884.5	886.7	893.3	902.7	908.5	922.3	933.4
5°	829.8	828.9	832.4	838.7	847.5	850.7	860.9	876.5	892.0	916.0	939.6
7.5°	794.2	793.7	799.1	812.9	825.8	829.8	842.2	861.3	882.2	919.1	953.8
10°	747.5	747.9	758.2	777.7	801.3	809.3	829.3	856.9	884.0	931.6	979.6
12.5°	732.4	733.3	738.6	753.7	779.5	789.7	817.8	859.6	894.2	949.4	1013.0
15°	769.3	769.3	764.8	766.6	778.2	787.5	816.9	868.4	911.6	970.7	1045.9
17.5°	840.9	838.2	827.1	812.0	808.0	811.1	834.7	887.6	936.0	995.6	1083.2
20°	937.8	938.7	916.9	885.3	860.0	859.6	873.8	921.4	971.2	1025.4	1123.7
22.5°	1055.2	1051.7	1022.7	979.6	935.6	932.0	937.8	972.9	1021.9	1072.6	1173.5
25°	1191.3	1189.5	1148.6	1090.8	1032.5	1024.1	1024.1	1058.8	1094.3	1139.7	1233.1
27.5°	1333.6	1333.6	1294.0	1227.3	1149.9	1134.8	1132.6	1173.5	1197.1	1206.0	1283.3
30°	1479.9	1478.1	1439.0	1370.5	1287.8	1272.2	1266.0	1296.2	1313.1	1286.4	1346.0
32.5°	1628.4	1631.5	1591.9	1528.3	1454.5	1444.3	1425.2	1425.2	1439.0	1401.6	1444.7
35°	1788.0	1787.1	1756.0	1712.9	1649.7	1638.2	1606.6	1557.2	1578.1	1561.7	1581.3
37.5°	1929.0	1935.7	1920.5	1888.5	1837.4	1825.8	1773.8	1684.4	1700.4	1726.2	1743.6
40°	2072.2	2077.5	2092.6	2082.4	2017.9	1996.6	1904.1	1757.3	1775.1	1863.6	1913.4
42.5°	2212.7	2215.4	2246.0	2262.9	2176.7	2139.3	2002.8	1801.8	1820.5	1971.2	2058.4
45°	2302.1	2307.9	2358.5	2410.1	2316.7	2265.6	2088.6	1858.7	1866.7	2045.9	2165.6
47.5°	2298.5	2311.9	2407.0	2500.8	2437.3	2382.1	2191.8	1949.9	1936.6	2116.2	2236.3
50°	2226.9	2242.9	2379.4	2528.4	2524.0	2472.8	2306.5	2082.0	2040.2	2178.5	2245.2
52.5°	2078.4	2124.6	2331.0	2532.0	2593.8	2568.0	2448.4	2259.8	2180.2	2267.8	2259.4
55°	1757.3	1814.3	2183.8	2501.7	2656.9	2660.0	2597.3	2445.3	2332.3	2421.7	2347.0
57.5°	1334.0	1379.4	1680.9	2226.9	2552.4	2603.6	2655.1	2543.1	2426.1	2526.6	2367.4
60°	804.0	856.4	1052.5	1634.2	2061.5	2148.7	2351.0	2329.2	2188.2	2231.4	1941.4
62.5°	325.9	353.5	486.0	900.5	1297.6	1378.9	1572.8	1605.7	1571.0	1527.0	1177.5
65°	119.2	130.3	194.8	372.2	596.8	626.5	728.8	787.1	835.1	711.0	438.0
67.5°	73.8	80.9	126.7	191.2	217.0	201.9	205.4	245.0	233.9	144.5	78.3
70°	54.7	60.5	99.2	132.5	87.6	67.6	45.8	48.9	44.0	38.7	38.2
72.5°	37.8	43.1	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	8.4	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°	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9	932.9
2.5°	941.8	938.7	951.6	960.9	968.5	972.1	967.2	966.7	966.7	956.9	954.3
5°	952.9	954.3	972.5	980.5	981.8	977.4	966.3	958.7	954.3	944.0	938.3
7.5°	974.3	978.7	996.1	994.7	982.7	962.3	932.9	910.2	895.6	879.6	869.8
10°	1005.0	1013.4	1024.1	1005.4	967.2	915.1	854.7	811.5	785.7	767.5	756.4
12.5°	1042.3	1050.8	1047.2	1003.2	923.6	830.6	752.8	690.6	660.8	644.3	632.8
15°	1080.1	1085.4	1062.3	976.5	846.7	721.7	635.0	573.2	536.7	523.4	513.6
17.5°	1118.8	1117.5	1065.0	924.0	743.9	599.0	513.6	471.4	461.1	458.9	458.0
20°	1159.3	1147.3	1054.3	848.9	620.3	477.6	429.1	431.8	450.5	459.3	461.1
22.5°	1205.5	1175.3	1027.6	747.1	494.0	398.0	402.9	429.1	454.5	466.5	468.2
25°	1254.9	1201.1	983.2	616.3	389.5	366.0	394.9	425.1	452.2	466.9	468.7
27.5°	1287.3	1207.3	910.2	484.7	334.4	353.5	384.2	413.1	441.1	457.1	459.3
30°	1322.5	1204.6	811.1	373.5	315.7	342.8	369.5	395.8	421.5	439.3	441.1
32.5°	1374.0	1202.8	690.1	303.3	308.2	334.4	354.0	375.7	393.5	403.8	402.4
35°	1441.6	1200.6	549.2	273.5	303.7	327.7	343.3	353.5	333.9	327.7	329.1
37.5°	1528.3	1206.0	430.4	261.0	302.4	325.9	339.3	309.9	279.7	268.1	266.4
40°	1624.4	1219.7	328.2	256.1	306.8	330.4	324.2	275.7	238.3	215.7	210.8
42.5°	1720.9	1234.9	259.7	254.4	314.4	342.8	299.3	250.8	194.8	181.9	180.1
45°	1792.5	1232.2	224.6	251.2	321.1	350.0	292.6	215.2	173.9	168.1	168.5
47.5°	1828.5	1202.8	205.4	244.1	323.7	342.8	276.1	200.5	159.6	165.9	171.2
50°	1809.4	1126.8	187.7	230.3	317.9	333.5	249.9	189.4	152.5	178.3	190.3
52.5°	1786.3	1033.4	168.1	209.0	304.2	320.6	239.7	186.3	148.1	172.1	181.0
55°	1816.9	974.3	136.1	176.1	277.0	290.4	231.7	185.9	137.8	133.8	132.5
57.5°	1773.8	856.4	97.4	126.7	212.6	229.9	225.9	182.8	122.3	121.8	123.6
60°	1370.9	522.5	66.7	80.5	130.3	146.7	205.0	174.8	105.4	96.9	97.4
62.5°	779.1	222.3	45.8	49.8	66.7	79.2	156.5	158.7	97.4	92.5	97.4
65°	271.3	79.6	35.6	33.4	36.9	42.2	89.8	122.7	88.5	80.0	80.9
67.5°	56.0	39.6	31.6	27.6	27.6	27.6	45.8	76.5	72.9	63.6	64.5
70°	35.6	33.8	27.6	23.6	22.7	20.9	26.2	42.2	50.2	46.2	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)