

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: P630851

Luminaire Tested: GWS-SA1E-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 4679.3 lumens
Efficiency: N/A
Efficacy: 80.1 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

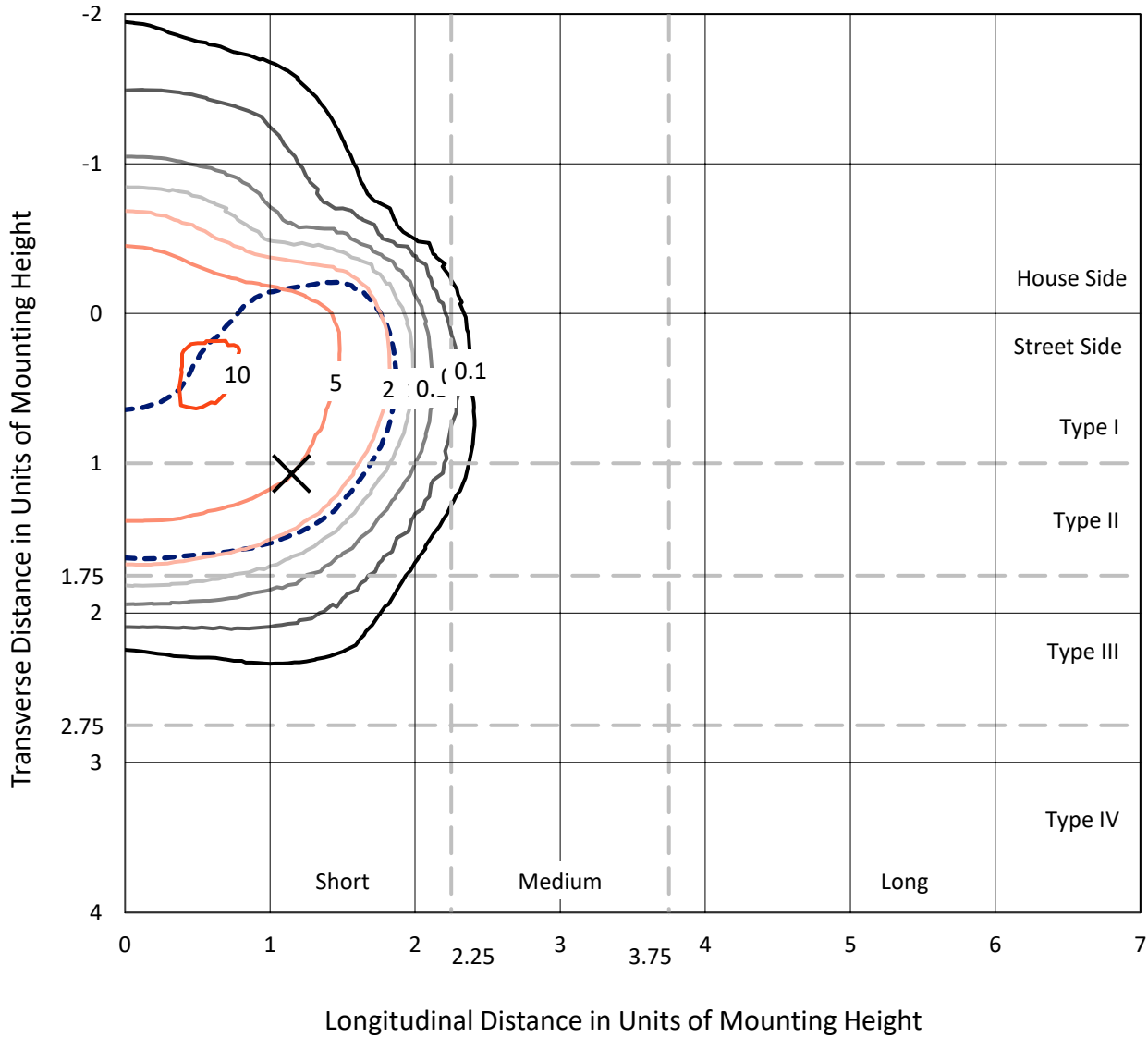
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

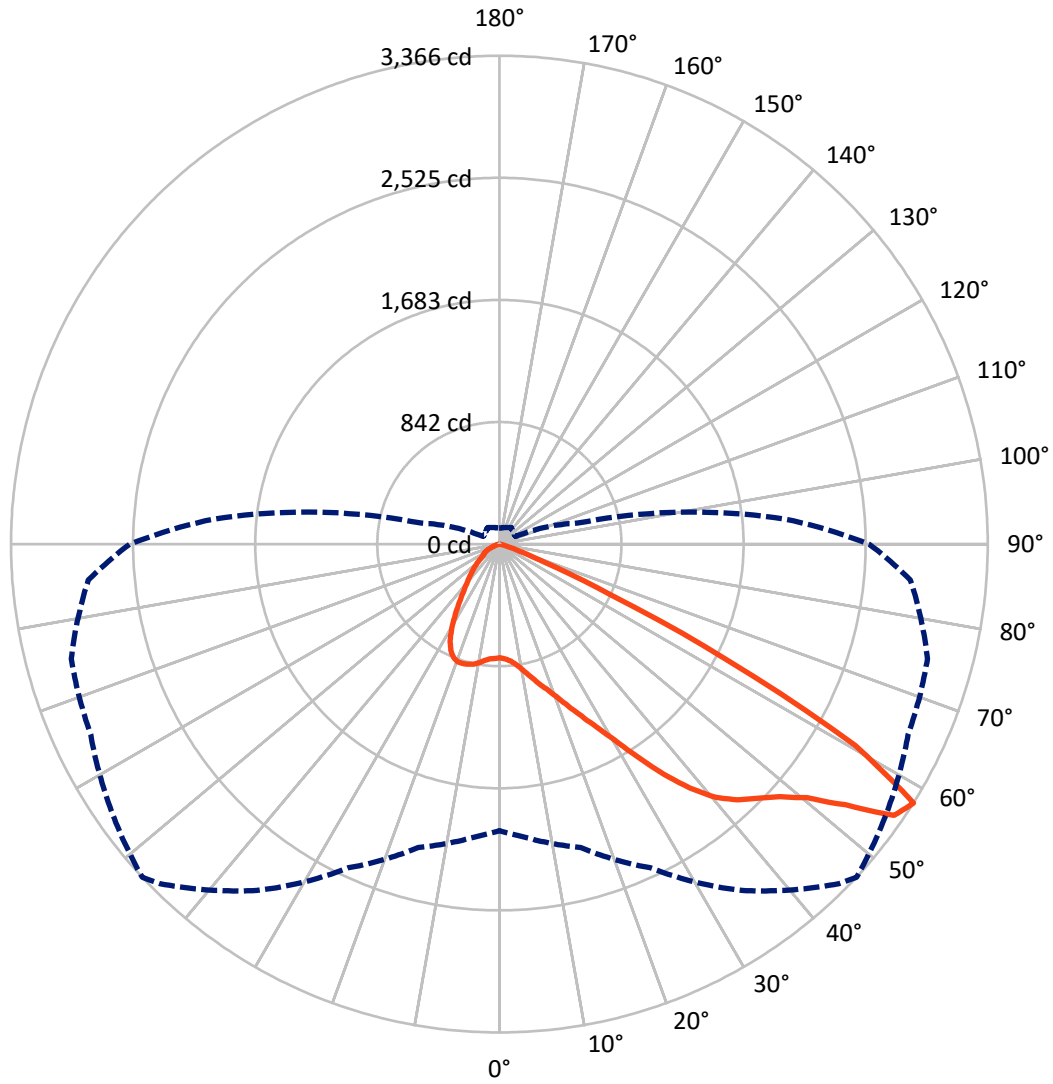
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.2	0.0	1015.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3664.1	0.0	3664.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	4679.3	0.0	4679.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.7
10°-20°	263.0	5.6
20°-30°	488.3	10.4
30°-40°	781.6	16.7
40°-50°	1142.5	24.4
50°-60°	1410.1	30.1
60°-70°	471.2	10.1
70°-80°	43.9	0.9
80°-90°	0.9	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°	4679.3	100.0
0°-180°	4679.3	100.0

Coefficient of Utilization



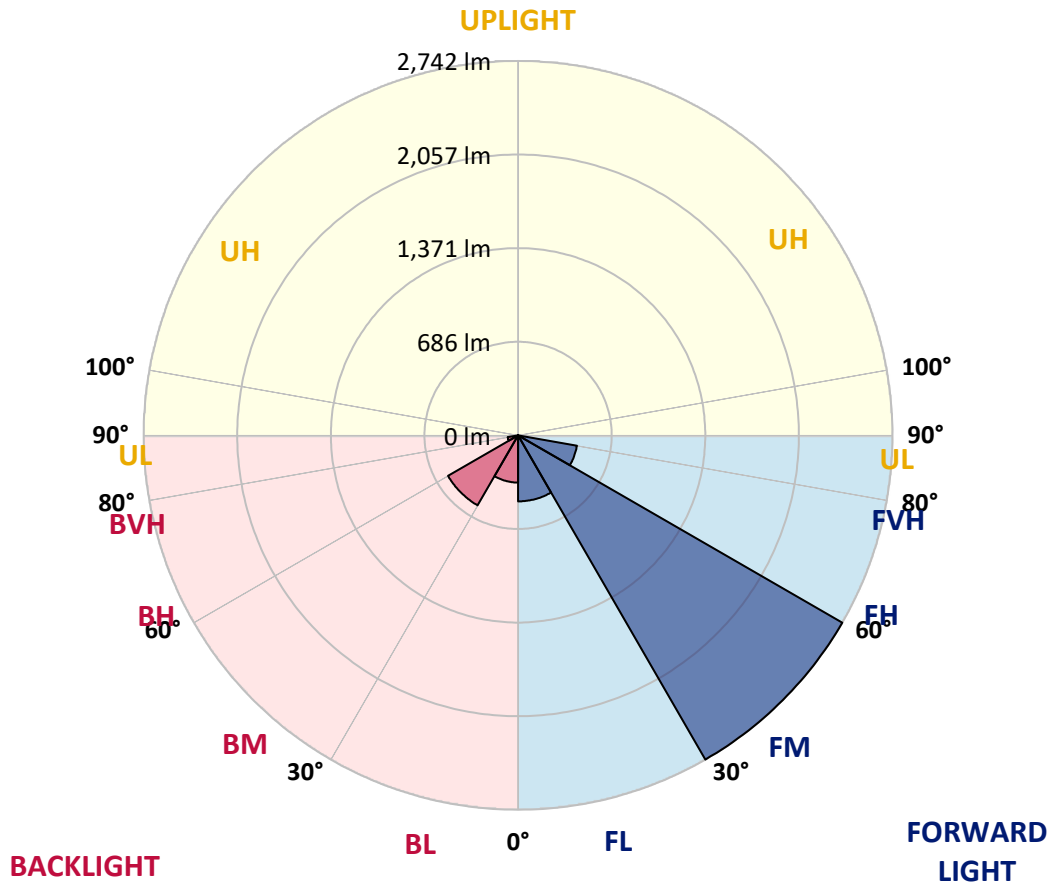
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.6	10.3			
FM (30°-60°)	2742.0	58.6			
FH (60°-80°)	437.9	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	345.5	7.4	B1/500		
BM (30°-60°)	592.2	12.7	B1/1000		
BH (60°-80°)	77.2	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	45°	47°	55°	65°	75°	85°
0°	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3
2.5°	791.5	790.9	790.4	793.6	792.6	792.0	793.1	793.1	793.1	789.8	783.3
5°	810.5	810.5	809.9	813.2	810.5	808.9	809.4	809.4	807.2	801.2	793.1
7.5°	840.4	839.3	838.2	841.4	838.7	838.2	839.3	836.0	832.2	822.4	811.0
10°	883.3	883.3	881.6	884.9	882.7	881.6	881.6	879.5	872.4	857.2	840.4
12.5°	942.5	939.8	936.0	933.2	932.2	931.6	932.2	928.9	921.3	901.7	878.4
15°	1007.1	1005.0	999.0	994.6	988.7	987.6	990.8	988.1	980.5	953.9	920.8
17.5°	1088.6	1091.3	1076.1	1066.9	1049.5	1048.4	1049.5	1053.8	1048.4	1014.2	965.8
20°	1158.1	1160.3	1148.9	1142.4	1126.6	1119.6	1121.7	1128.8	1122.8	1082.6	1015.3
22.5°	1232.6	1235.3	1223.3	1209.7	1202.7	1202.7	1210.8	1220.6	1212.5	1159.8	1071.8
25°	1321.6	1323.8	1314.0	1296.1	1283.6	1299.4	1311.3	1337.4	1323.8	1252.1	1138.6
27.5°	1423.8	1424.3	1410.2	1391.7	1385.2	1414.5	1426.5	1466.7	1461.3	1355.9	1209.2
30°	1533.0	1533.5	1530.2	1517.8	1511.8	1550.3	1566.6	1624.8	1621.0	1484.6	1305.4
32.5°	1646.5	1646.5	1652.5	1651.4	1658.4	1721.5	1747.5	1813.8	1810.0	1642.1	1424.9
35°	1760.6	1761.1	1771.4	1797.5	1826.8	1910.5	1944.7	2025.1	2016.4	1830.6	1577.5
37.5°	1890.4	1885.0	1899.1	1938.2	2003.4	2100.1	2132.7	2209.3	2199.5	2023.5	1776.9
40°	2046.8	2037.1	2037.1	2082.7	2156.6	2267.9	2295.6	2333.7	2300.5	2179.4	1972.4
42.5°	2219.6	2210.4	2198.4	2238.6	2300.5	2387.4	2410.3	2399.9	2372.8	2326.6	2195.1
45°	2394.5	2380.4	2388.5	2413.0	2448.8	2490.1	2498.8	2451.0	2438.5	2451.5	2379.3
47.5°	2527.6	2517.8	2537.9	2572.1	2601.5	2607.4	2601.5	2535.2	2534.1	2580.3	2506.9
50°	2572.1	2573.2	2628.6	2703.6	2750.9	2755.7	2747.6	2671.5	2661.2	2674.8	2575.9
52.5°	2576.5	2580.8	2661.8	2804.6	2933.4	2992.0	2985.5	2903.5	2802.5	2787.8	2680.2
55°	2471.6	2497.2	2610.2	2818.8	3092.5	3279.9	3301.7	3144.7	2994.8	2982.3	2904.6
57.5°	1975.7	2027.8	2164.2	2461.3	2914.9	3309.8	3366.3	3253.3	3108.3	3055.1	2844.3
60°	1181.0	1245.6	1376.5	1741.0	2218.5	2720.4	2817.7	2833.4	2766.6	2612.9	2182.1
62.5°	506.8	501.4	662.7	941.9	1319.5	1729.1	1773.1	1841.5	1899.6	1738.8	1324.4
65°	173.8	189.0	262.9	424.8	660.6	802.9	842.0	903.4	985.9	813.7	485.1
67.5°	107.6	114.1	151.6	251.0	356.4	350.9	333.5	323.8	315.1	215.7	133.1
70°	78.2	83.7	106.5	172.7	239.6	168.4	146.1	118.4	131.5	121.1	94.5
72.5°	52.7	57.0	73.3	104.8	122.8	82.0	76.1	86.4	104.3	99.4	77.1
75°	31.5	34.2	41.8	51.1	50.0	42.4	42.9	60.8	79.9	74.4	54.9
77.5°	21.7	22.8	27.7	33.1	24.4	13.0	12.0	16.8	27.2	27.2	18.5
80°	5.4	7.1	7.1	4.3	3.8	3.3	3.3	4.9	7.6	5.4	2.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
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°	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3
2.5°	787.1	780.6	784.9	783.9	787.1	788.2	783.3	782.2	782.8	776.3	774.1
5°	794.7	787.1	789.3	787.1	790.9	794.2	792.6	794.7	797.4	792.6	790.4
7.5°	811.0	803.4	802.9	799.6	805.0	807.2	806.7	812.7	818.1	814.8	811.6
10°	839.3	829.0	827.9	825.1	826.8	828.4	822.4	823.5	828.4	824.6	823.0
12.5°	874.0	861.5	858.8	852.3	852.3	844.2	831.1	828.4	832.2	829.5	826.8
15°	911.5	894.7	890.3	878.9	868.1	852.9	839.3	836.0	838.7	835.5	833.3
17.5°	953.3	934.3	920.2	900.1	876.2	858.3	843.1	836.0	831.7	825.1	824.6
20°	994.6	969.6	945.7	913.7	882.2	855.0	830.0	811.6	795.8	786.0	782.2
22.5°	1042.4	1005.5	966.9	921.8	876.8	835.5	791.5	760.0	732.8	723.6	719.2
25°	1093.5	1045.7	988.1	929.4	858.3	792.0	732.3	685.5	649.7	637.7	632.8
27.5°	1150.0	1084.3	1009.8	927.8	820.3	730.1	650.8	592.7	557.3	546.5	550.3
30°	1221.7	1134.2	1037.0	911.0	763.2	643.2	550.3	501.4	474.8	464.5	465.0
32.5°	1317.3	1205.9	1076.7	875.1	689.9	544.3	462.8	427.0	409.0	395.5	394.4
35°	1454.2	1315.1	1113.6	817.5	600.8	456.3	397.1	368.8	343.9	328.1	330.8
37.5°	1618.2	1452.6	1133.7	739.9	500.8	387.9	347.7	318.9	290.6	267.3	270.0
40°	1812.7	1632.4	1132.1	637.7	409.6	341.1	306.4	272.7	237.4	216.2	218.4
42.5°	2029.5	1802.4	1096.8	529.6	339.5	303.1	266.7	224.3	190.1	177.1	177.6
45°	2217.4	1940.4	1034.8	417.7	285.7	266.2	225.4	182.0	166.8	157.5	157.0
47.5°	2356.5	2041.4	946.3	328.6	242.3	232.5	185.2	163.0	151.0	143.4	142.3
50°	2434.2	2076.7	848.5	257.5	204.8	197.2	165.7	147.8	139.6	134.7	133.6
52.5°	2538.5	2119.1	778.4	203.2	171.7	161.3	152.6	137.4	132.0	128.2	126.6
55°	2703.6	2201.1	717.6	161.3	142.9	140.7	144.0	131.5	128.2	122.2	120.1
57.5°	2548.2	1977.3	557.3	124.9	120.6	128.7	139.1	125.5	117.3	111.9	109.7
60°	1793.2	1314.6	280.3	100.5	107.6	120.6	130.9	113.5	105.4	106.5	105.4
62.5°	988.7	657.8	126.0	84.2	93.4	106.5	111.9	98.3	92.9	102.1	103.8
65°	323.2	223.8	72.8	65.2	73.9	86.9	96.7	93.4	92.3	103.2	106.5
67.5°	99.4	73.9	49.4	46.7	51.1	64.1	81.5	101.0	108.6	111.9	113.5
70°	74.4	58.1	42.4	39.7	41.8	48.9	69.0	84.2	79.3	79.9	78.8
72.5°	59.8	46.2	36.4	34.8	34.8	33.7	36.4	45.6	51.6	54.3	54.3
75°	41.8	32.6	27.7	25.5	20.1	16.3	14.7	14.7	13.0	12.5	12.0
77.5°	14.1	12.0	10.9	8.7	6.0	4.9	4.3	3.8	2.7	1.6	1.1
80°	2.2	1.6	1.1	1.1	1.1	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	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)