

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: P630635

Luminaire Tested: GWS-SA1E-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630635
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-SA1E-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: 3500.7 lumens
Efficiency: N/A
Efficacy: 59.9 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

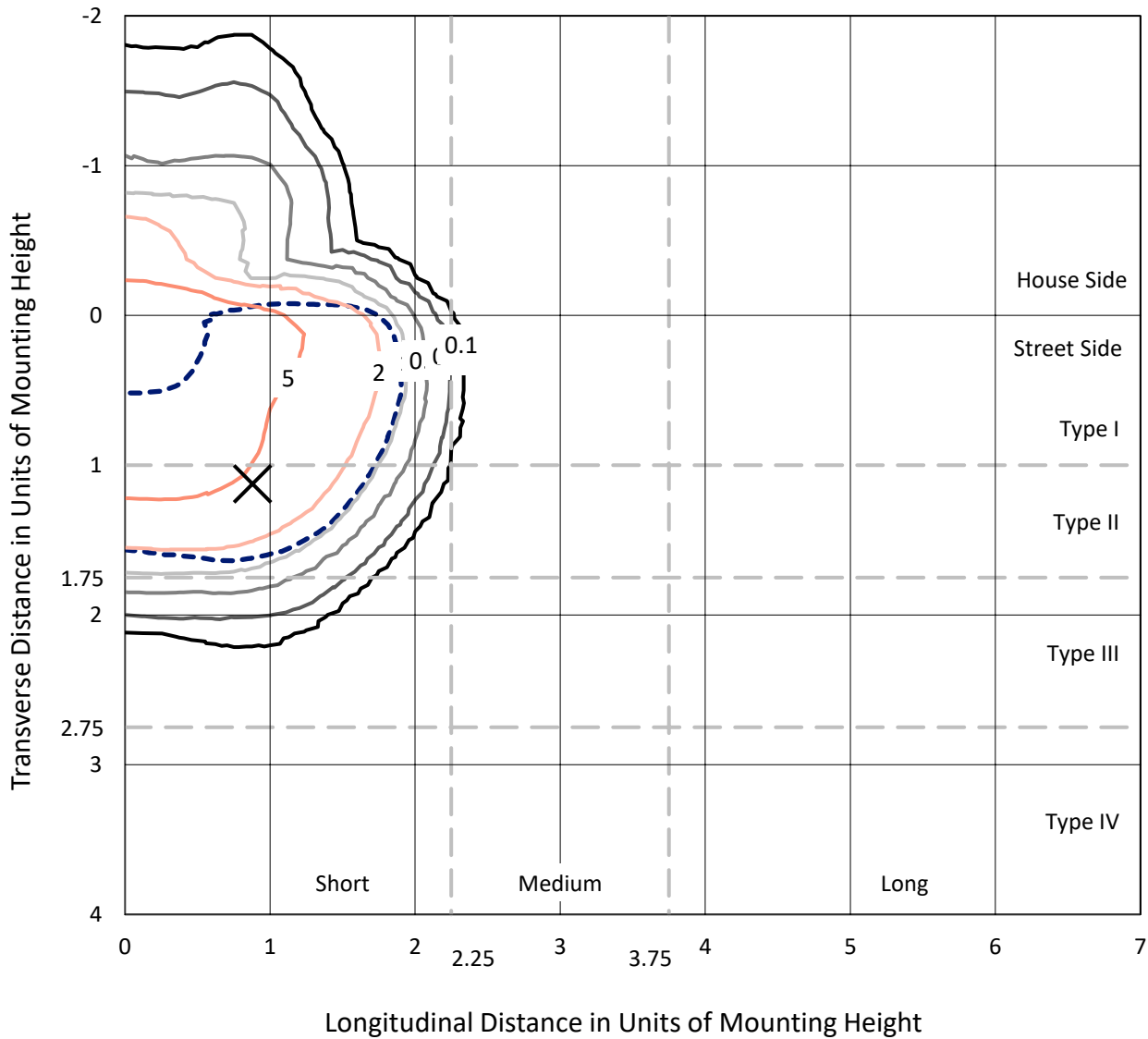
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

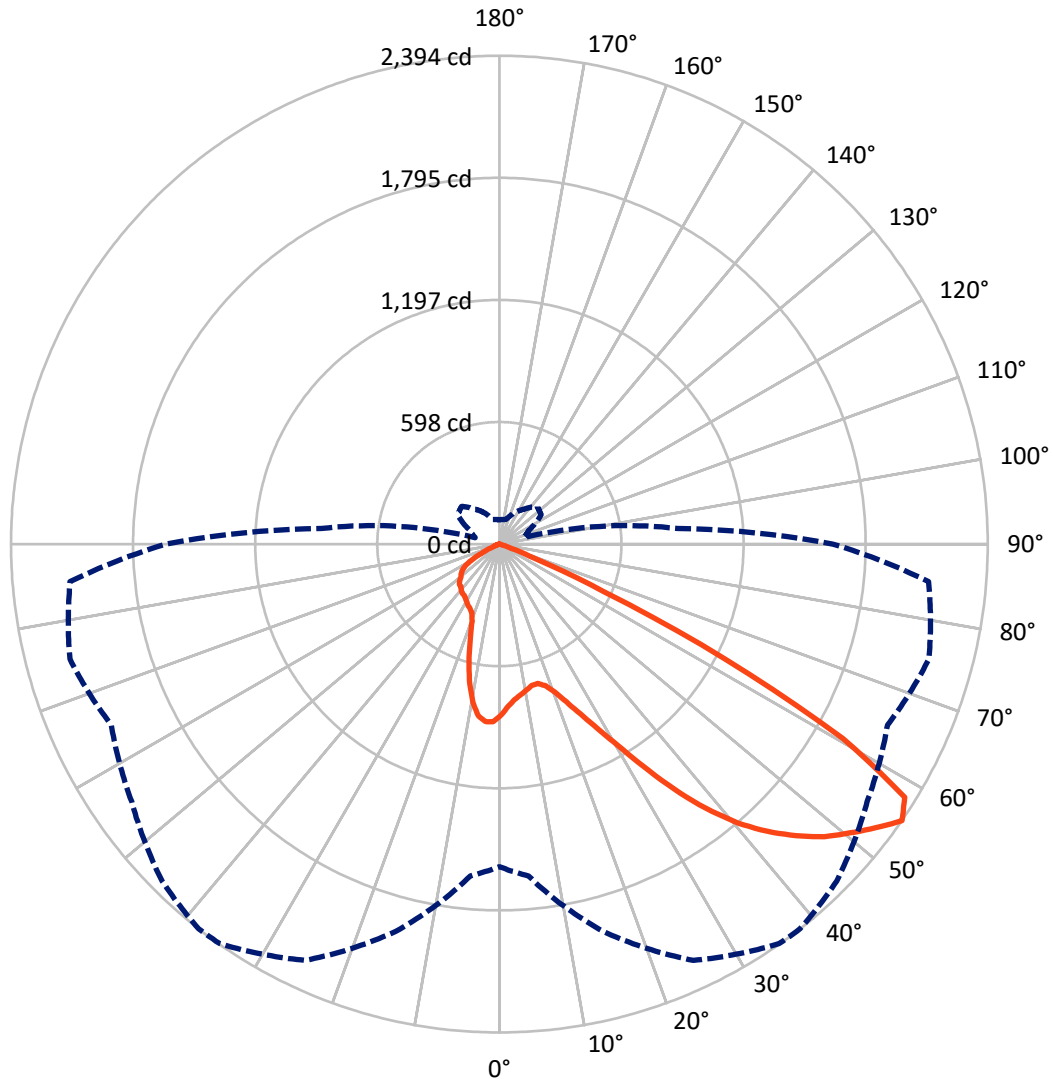
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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	682.0	0.0	682.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2818.7	0.0	2818.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	3500.7	0.0	3500.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	2.2
10°-20°	209.0	6.0
20°-30°	358.6	10.2
30°-40°	594.8	17.0
40°-50°	874.3	25.0
50°-60°	1021.7	29.2
60°-70°	346.3	9.9
70°-80°	17.7	0.5
80°-90°	0.7	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°	3500.7	100.0
0°-180°	3500.7	100.0

Coefficient of Utilization



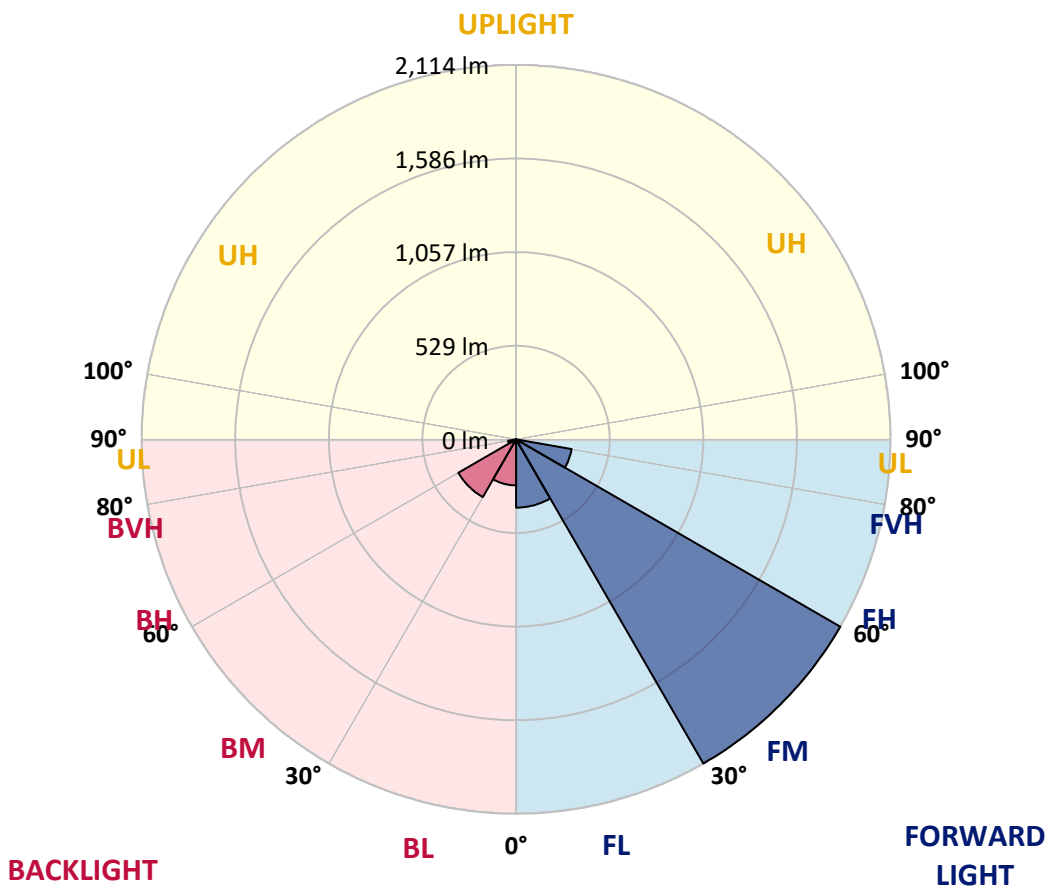
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.3	11.0			
FM (30°-60°)	2114.3	60.4			
FH (60°-80°)	318.6	9.1			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	259.8	7.4	B1/500		
BM (30°-60°)	376.5	10.8	B1/1000		
BH (60°-80°)	45.4	1.3	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°	38°	45°	55°	65°	75°	85°
0°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	781.9	780.3	783.5	789.9	795.9	797.9	803.9	812.3	817.5	829.9	839.9
5°	746.7	745.9	749.1	754.7	762.7	765.5	774.7	788.7	802.7	824.3	845.5
7.5°	714.7	714.3	719.1	731.5	743.1	746.7	757.9	775.1	793.9	827.1	858.3
10°	672.6	673.0	682.2	699.8	721.1	728.3	746.3	771.1	795.5	838.3	881.5
12.5°	659.0	659.8	664.6	678.2	701.4	710.6	735.9	773.5	804.7	854.3	911.5
15°	692.2	692.2	688.2	689.8	700.2	708.6	735.1	781.5	820.3	873.5	941.1
17.5°	756.7	754.3	744.3	730.7	727.1	729.9	751.1	798.7	842.3	895.9	974.7
20°	843.9	844.7	825.1	796.7	773.9	773.5	786.3	829.1	873.9	922.7	1011.2
22.5°	949.5	946.3	920.3	881.5	841.9	838.7	843.9	875.5	919.5	965.1	1056.0
25°	1072.0	1070.4	1033.6	981.5	929.1	921.5	921.5	952.7	984.7	1025.6	1109.6
27.5°	1200.0	1200.0	1164.4	1104.4	1034.8	1021.2	1019.2	1056.0	1077.2	1085.2	1154.8
30°	1331.7	1330.1	1294.9	1233.2	1158.8	1144.8	1139.2	1166.4	1181.6	1157.6	1211.2
32.5°	1465.3	1468.1	1432.5	1375.3	1308.9	1299.7	1282.5	1282.5	1294.9	1261.2	1300.1
35°	1609.0	1608.2	1580.2	1541.3	1484.5	1474.1	1445.7	1401.3	1420.1	1405.3	1422.9
37.5°	1735.8	1741.8	1728.2	1699.4	1653.4	1643.0	1596.2	1515.7	1530.1	1553.3	1569.0
40°	1864.7	1869.5	1883.1	1873.9	1815.8	1796.6	1713.4	1581.4	1597.4	1677.0	1721.8
42.5°	1991.1	1993.5	2021.1	2036.3	1958.7	1925.1	1802.2	1621.4	1638.2	1773.8	1852.3
45°	2071.5	2076.7	2122.3	2168.8	2084.7	2038.7	1879.5	1672.6	1679.8	1841.0	1948.7
47.5°	2068.3	2080.3	2166.0	2250.4	2193.2	2143.6	1972.3	1754.6	1742.6	1904.3	2012.3
50°	2003.9	2018.3	2141.2	2275.2	2271.2	2225.2	2075.5	1873.5	1835.8	1960.3	2020.3
52.5°	1870.3	1911.9	2097.5	2278.4	2334.0	2310.8	2203.2	2033.5	1961.9	2040.7	2033.1
55°	1581.4	1632.6	1965.1	2251.2	2390.8	2393.6	2337.2	2200.4	2098.7	2179.2	2111.9
57.5°	1200.4	1241.2	1512.5	2003.9	2296.8	2342.8	2389.2	2288.4	2183.2	2273.6	2130.3
60°	723.5	770.7	947.1	1470.5	1855.1	1933.5	2115.5	2095.9	1969.1	2007.9	1747.0
62.5°	293.3	318.1	437.4	810.3	1167.6	1240.8	1415.3	1444.9	1413.7	1374.1	1059.6
65°	107.2	117.2	175.3	334.9	537.0	563.8	655.8	708.2	751.5	639.8	394.1
67.5°	66.4	72.8	114.0	172.1	195.3	181.7	184.9	220.5	210.5	130.0	70.4
70°	49.2	54.4	89.2	119.2	78.8	60.8	41.2	44.0	39.6	34.8	34.4
72.5°	34.0	38.8	66.8	70.4	30.4	21.6	15.2	21.2	24.0	23.6	24.4
75°	22.4	26.0	42.0	27.6	7.6	6.0	5.2	11.2	14.4	14.4	14.8
77.5°	13.2	15.2	14.8	5.6	1.6	1.6	1.2	2.0	3.2	3.6	4.4
80°	1.6	1.2	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
82.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
85°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2	1.2
87.5°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2	1.2
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°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	847.5	844.7	856.3	864.7	871.5	874.7	870.3	869.9	869.9	861.1	858.7
5°	857.5	858.7	875.1	882.3	883.5	879.5	869.5	862.7	858.7	849.5	844.3
7.5°	876.7	880.7	896.3	895.1	884.3	865.9	839.5	819.1	805.9	791.5	782.7
10°	904.3	911.9	921.5	904.7	870.3	823.5	769.1	730.3	707.0	690.6	680.6
12.5°	937.9	945.5	942.3	902.7	831.1	747.5	677.4	621.4	594.6	579.8	569.4
15°	971.9	976.7	955.9	878.7	761.9	649.4	571.4	515.8	483.0	471.0	462.2
17.5°	1006.8	1005.6	958.3	831.5	669.4	539.0	462.2	424.1	414.9	412.9	412.1
20°	1043.2	1032.4	948.7	763.9	558.2	429.8	386.1	388.5	405.3	413.3	414.9
22.5°	1084.8	1057.6	924.7	672.2	444.6	358.1	362.5	386.1	408.9	419.7	421.3
25°	1129.2	1080.8	884.7	554.6	350.5	329.3	355.3	382.5	406.9	420.1	421.7
27.5°	1158.4	1086.4	819.1	436.2	300.9	318.1	345.7	371.7	396.9	411.3	413.3
30°	1190.0	1084.0	729.9	336.1	284.1	308.5	332.5	356.1	379.3	395.3	396.9
32.5°	1236.4	1082.4	621.0	272.9	277.3	300.9	318.5	338.1	354.1	363.3	362.1
35°	1297.3	1080.4	494.2	246.1	273.3	294.9	308.9	318.1	300.5	294.9	296.1
37.5°	1375.3	1085.2	387.3	234.9	272.1	293.3	305.3	278.9	251.7	241.3	239.7
40°	1461.7	1097.6	295.3	230.5	276.1	297.3	291.7	248.1	214.5	194.1	189.7
42.5°	1548.5	1111.2	233.7	228.9	282.9	308.5	269.3	225.7	175.3	163.7	162.1
45°	1613.0	1108.8	202.1	226.1	288.9	314.9	263.3	193.7	156.5	151.3	151.7
47.5°	1645.4	1082.4	184.9	219.7	291.3	308.5	248.5	180.5	143.7	149.3	154.1
50°	1628.2	1014.0	168.9	207.3	286.1	300.1	224.9	170.5	137.2	160.5	171.3
52.5°	1607.4	929.9	151.3	188.1	273.7	288.5	215.7	167.7	133.2	154.9	162.9
55°	1635.0	876.7	122.4	158.5	249.3	261.3	208.5	167.3	124.0	120.4	119.2
57.5°	1596.2	770.7	87.6	114.0	191.3	206.9	203.3	164.5	110.0	109.6	111.2
60°	1233.6	470.2	60.0	72.4	117.2	132.0	184.5	157.3	94.8	87.2	87.6
62.5°	701.0	200.1	41.2	44.8	60.0	71.2	140.8	142.9	87.6	83.2	87.6
65°	244.1	71.6	32.0	30.0	33.2	38.0	80.8	110.4	79.6	72.0	72.8
67.5°	50.4	35.6	28.4	24.8	24.8	24.8	41.2	68.8	65.6	57.2	58.0
70°	32.0	30.4	24.8	21.2	20.4	18.8	23.6	38.0	45.2	41.6	42.0
72.5°	23.6	23.2	19.6	17.2	15.2	13.6	14.8	18.8	23.2	24.0	24.4
75°	14.4	14.8	12.8	10.8	9.6	8.4	8.8	8.8	8.8	8.0	8.8
77.5°	4.4	4.8	4.0	3.2	2.8	2.8	2.8	2.4	2.0	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.8	0.8	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)