

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: P629227

Luminaire Tested: GWS-SA1B-730-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-730-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3323.4 lumens
Efficiency: N/A
Efficacy: 132.9 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): 25
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

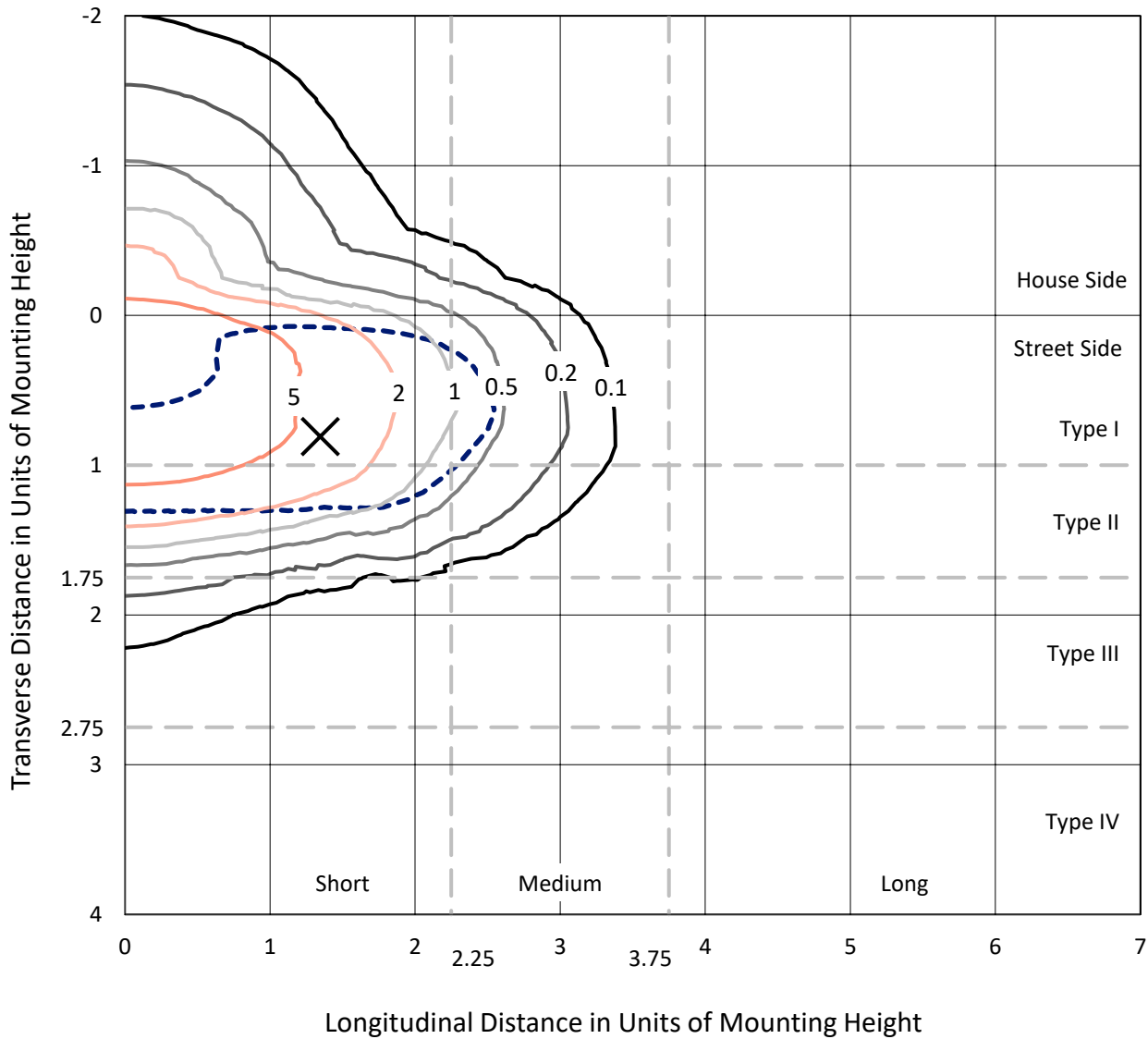


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Iso-Footcandle Lines of Horizontal Illumination

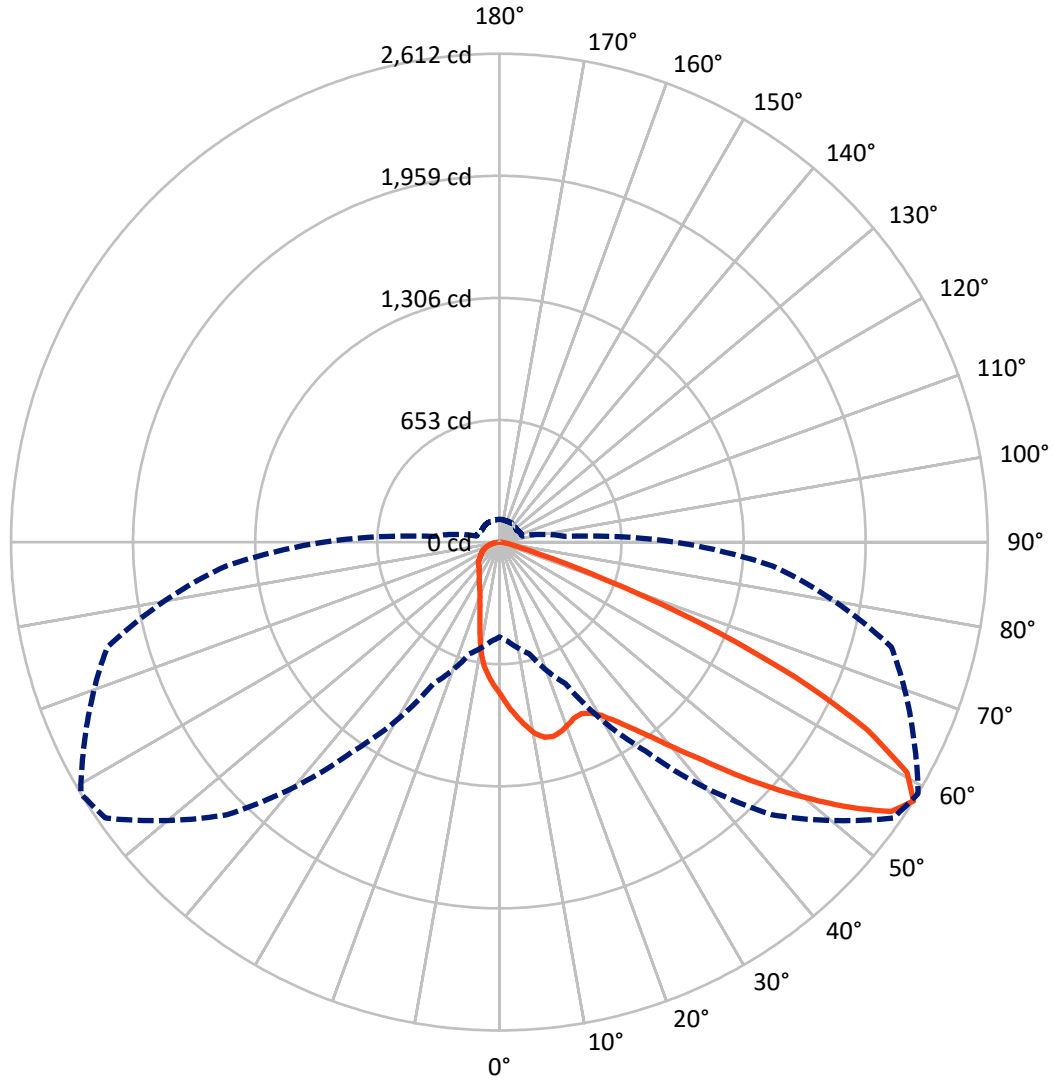
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.8	0.0	515.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	2807.6	0.0	2807.6
	% Fixture	84.5	0.0	84.5
Total	Lumens	3323.4	0.0	3323.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	2.3
10°-20°	192.0	5.8
20°-30°	311.2	9.4
30°-40°	500.5	15.1
40°-50°	777.3	23.4
50°-60°	837.2	25.2
60°-70°	485.9	14.6
70°-80°	126.8	3.8
80°-90°	16.7	0.5
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°	3323.4	100.0
0°-180°	3323.4	100.0

Coefficient of Utilization



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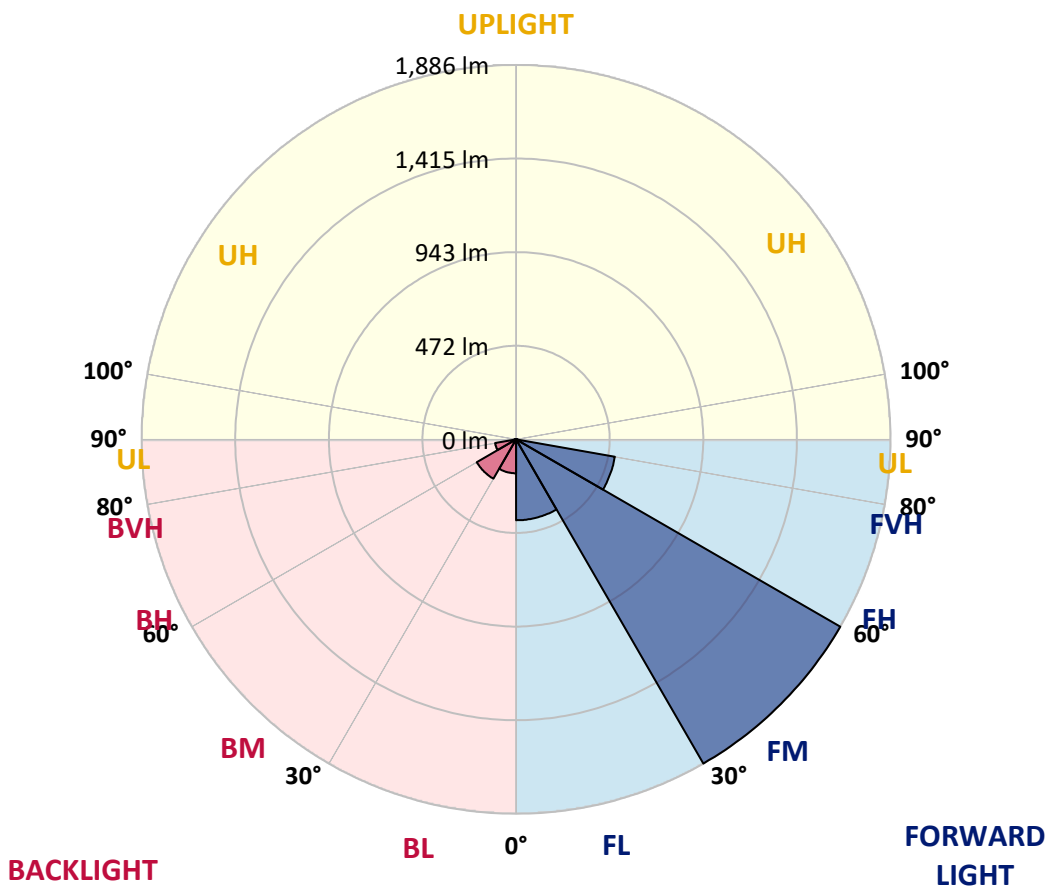
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.7	12.3			
FM (30°-60°)	1886.4	56.8			
FH (60°-80°)	505.5	15.2			G0/660
FVH (80°-90°)	8.0	0.2			G0/10
BL (0°-30°)	171.1	5.1	B1/500		
BM (30°-60°)	228.7	6.9	B1/1000		
BH (60°-80°)	107.3	3.2	B0/110		G0/110
BVH (80°-90°)	8.7	0.3			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°	55°	59°	65°	75°	85°
0°	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8
2.5°	925.3	917.6	923.0	913.4	909.4	898.9	885.3	876.2	862.2	843.9	828.0
5°	1017.3	1011.9	1013.1	1002.8	993.6	976.1	948.3	932.8	908.9	872.2	838.1
7.5°	1014.5	1020.8	1024.3	1033.2	1035.8	1034.1	1009.1	987.6	961.4	906.1	854.7
10°	909.4	921.3	932.1	962.5	999.5	1046.3	1052.1	1039.3	1012.8	949.4	874.6
12.5°	795.0	804.1	813.7	850.2	906.8	1000.4	1063.8	1071.8	1061.3	992.2	897.0
15°	738.9	743.1	752.2	776.3	821.4	925.3	1043.5	1078.3	1097.3	1037.6	922.3
17.5°	736.5	738.4	742.8	755.7	787.1	867.3	1006.7	1065.2	1125.6	1085.6	951.8
20°	784.9	780.0	777.2	777.0	792.4	847.9	971.2	1044.2	1138.9	1134.7	983.3
22.5°	852.1	853.7	847.6	832.7	830.8	861.7	953.4	1022.9	1142.9	1178.2	1012.6
25°	947.3	955.5	937.5	908.9	894.9	901.7	964.4	1016.3	1142.4	1214.5	1030.8
27.5°	1058.4	1064.8	1046.5	1009.1	980.1	963.7	997.1	1035.8	1146.4	1245.9	1041.8
30°	1185.0	1187.1	1162.1	1122.8	1080.4	1045.3	1051.7	1075.8	1166.8	1287.0	1054.7
32.5°	1339.7	1348.6	1310.7	1248.4	1189.2	1144.3	1124.9	1140.3	1210.8	1335.7	1074.6
35°	1536.0	1539.0	1490.8	1401.7	1317.9	1255.7	1215.0	1223.2	1277.7	1403.8	1104.5
37.5°	1721.0	1724.1	1672.8	1590.0	1470.2	1385.1	1326.1	1322.4	1363.3	1499.9	1153.4
40°	1838.5	1847.1	1824.2	1772.3	1657.9	1543.0	1463.0	1450.1	1475.6	1617.6	1221.5
42.5°	1901.6	1905.4	1904.9	1911.7	1843.6	1729.5	1617.4	1591.6	1608.7	1744.7	1290.3
45°	1902.1	1911.5	1936.5	2001.8	2004.8	1933.7	1812.5	1772.3	1756.6	1872.6	1362.1
47.5°	1817.0	1827.0	1895.8	2024.2	2119.0	2135.1	2046.2	1965.5	1899.5	1982.8	1421.1
50°	1559.1	1584.4	1715.4	1942.6	2141.5	2296.6	2269.2	2159.7	2026.6	2068.0	1458.1
52.5°	1335.2	1334.3	1415.0	1711.9	2047.6	2367.7	2484.9	2359.5	2152.2	2122.0	1467.4
55°	977.7	983.1	1065.7	1309.3	1797.3	2298.9	2603.5	2543.4	2296.3	2150.8	1463.7
57.5°	507.0	533.7	618.4	835.5	1365.6	2062.1	2572.0	2612.0	2442.8	2171.2	1468.6
60°	256.2	251.0	281.5	398.9	791.3	1610.6	2377.3	2504.8	2469.2	2187.1	1471.6
62.5°	171.0	169.6	161.2	184.8	323.3	953.9	2026.6	2205.3	2285.6	2149.7	1432.8
65°	148.1	145.3	129.8	128.9	157.0	395.6	1485.4	1733.7	1889.0	1983.3	1339.9
67.5°	133.4	129.1	113.5	105.8	112.8	173.8	837.1	1162.8	1394.9	1677.3	1136.4
70°	119.1	117.0	101.3	90.1	89.4	106.0	308.4	600.1	853.5	1144.3	830.8
72.5°	106.7	102.9	89.6	78.8	73.5	75.1	133.8	231.2	441.7	713.8	496.9
75°	92.4	89.6	77.9	67.1	60.6	55.0	81.7	106.9	201.4	339.2	234.7
77.5°	71.4	69.5	61.5	53.3	49.6	40.9	49.6	67.4	93.1	143.0	122.1
80°	41.4	42.6	45.9	41.6	36.5	29.2	32.3	38.8	55.9	77.4	69.3
82.5°	20.8	22.2	29.7	24.1	21.8	17.1	19.2	22.9	29.2	42.8	27.1
85°	1.6	1.6	5.4	6.1	7.5	6.1	7.7	9.4	13.3	17.1	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.2	2.1	4.0	2.6
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°	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8	815.8
2.5°	817.2	805.3	791.0	779.3	761.3	751.7	739.6	724.6	718.5	715.7	714.1
5°	818.9	797.8	767.4	739.3	708.2	683.6	656.3	627.7	611.3	607.4	604.6
7.5°	825.0	795.5	747.0	700.7	642.9	589.4	537.2	485.5	459.0	449.0	448.0
10°	833.4	794.5	726.5	649.5	551.9	467.2	406.2	365.7	348.6	343.0	341.1
12.5°	843.9	793.8	699.3	578.4	446.9	366.9	332.0	325.4	327.8	327.3	327.3
15°	857.2	794.8	666.6	497.9	361.5	318.4	319.1	326.8	334.1	335.3	335.3
17.5°	871.7	793.8	619.1	417.2	310.2	307.0	317.7	328.5	335.0	336.0	336.0
20°	887.4	789.4	559.2	341.1	287.8	299.7	311.4	319.8	323.8	324.7	324.7
22.5°	896.8	776.8	494.1	288.7	273.5	288.2	296.0	304.6	305.1	297.6	297.4
25°	895.4	753.1	420.0	255.0	258.3	271.2	281.0	274.9	267.4	263.2	262.5
27.5°	886.5	717.6	344.4	229.5	240.3	254.8	251.7	246.6	244.7	240.0	239.6
30°	875.3	673.8	276.5	209.6	221.6	234.9	230.2	229.8	227.9	222.7	222.7
32.5°	864.5	628.7	225.3	194.9	209.6	210.6	217.1	217.6	216.6	207.8	206.8
35°	861.5	583.5	190.7	183.2	197.9	197.5	206.8	206.6	190.4	178.0	177.8
37.5°	870.6	537.6	170.1	173.6	181.8	187.9	195.4	181.8	176.4	168.9	168.5
40°	890.0	495.3	159.6	168.0	171.5	180.4	168.7	169.6	168.2	162.6	161.9
42.5°	915.7	459.3	153.7	166.1	165.6	168.0	155.1	158.9	161.0	156.8	156.1
45°	940.5	427.9	150.7	159.1	161.4	147.9	145.3	148.8	152.1	150.4	149.7
47.5°	958.8	400.8	149.0	149.5	156.1	141.1	136.9	138.5	142.5	143.2	143.0
50°	964.4	377.6	147.2	141.5	140.1	134.3	131.0	130.6	135.2	138.5	139.0
52.5°	953.6	357.0	142.2	134.5	127.7	128.7	127.5	125.2	129.8	134.3	134.8
55°	937.7	345.3	134.5	127.7	119.8	123.5	124.0	121.9	124.9	128.0	128.0
57.5°	938.9	352.1	127.0	121.4	112.8	117.7	120.3	119.3	119.3	121.7	121.9
60°	946.6	361.9	122.1	113.5	105.8	110.9	116.7	115.8	113.7	116.7	116.7
62.5°	924.4	348.8	118.9	105.8	98.3	104.3	111.4	110.9	108.6	113.5	113.9
65°	858.9	313.7	115.1	96.2	90.8	97.8	103.9	105.5	103.4	110.0	111.1
67.5°	719.9	263.9	107.9	87.0	83.3	89.8	95.7	98.0	96.4	104.1	105.0
70°	536.7	213.6	96.4	77.0	74.2	80.0	85.4	86.3	86.6	95.7	96.6
72.5°	342.3	166.1	81.2	65.7	63.6	68.1	72.1	75.8	77.4	86.1	85.9
75°	190.9	123.5	65.3	55.7	51.9	55.4	60.1	64.6	69.3	81.9	83.3
77.5°	110.0	86.8	51.7	44.7	40.2	44.0	48.0	54.3	68.3	79.3	77.9
80°	62.0	56.4	39.1	32.8	29.9	32.8	35.8	47.7	53.8	58.5	59.2
82.5°	29.0	31.6	26.7	20.1	20.1	22.0	24.8	37.0	40.7	33.2	29.0
85°	10.5	14.3	13.1	10.3	9.1	8.9	15.4	21.1	13.1	11.7	10.1
87.5°	2.8	4.0	3.7	2.6	1.4	1.2	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)