

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: P630637

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4369.4 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

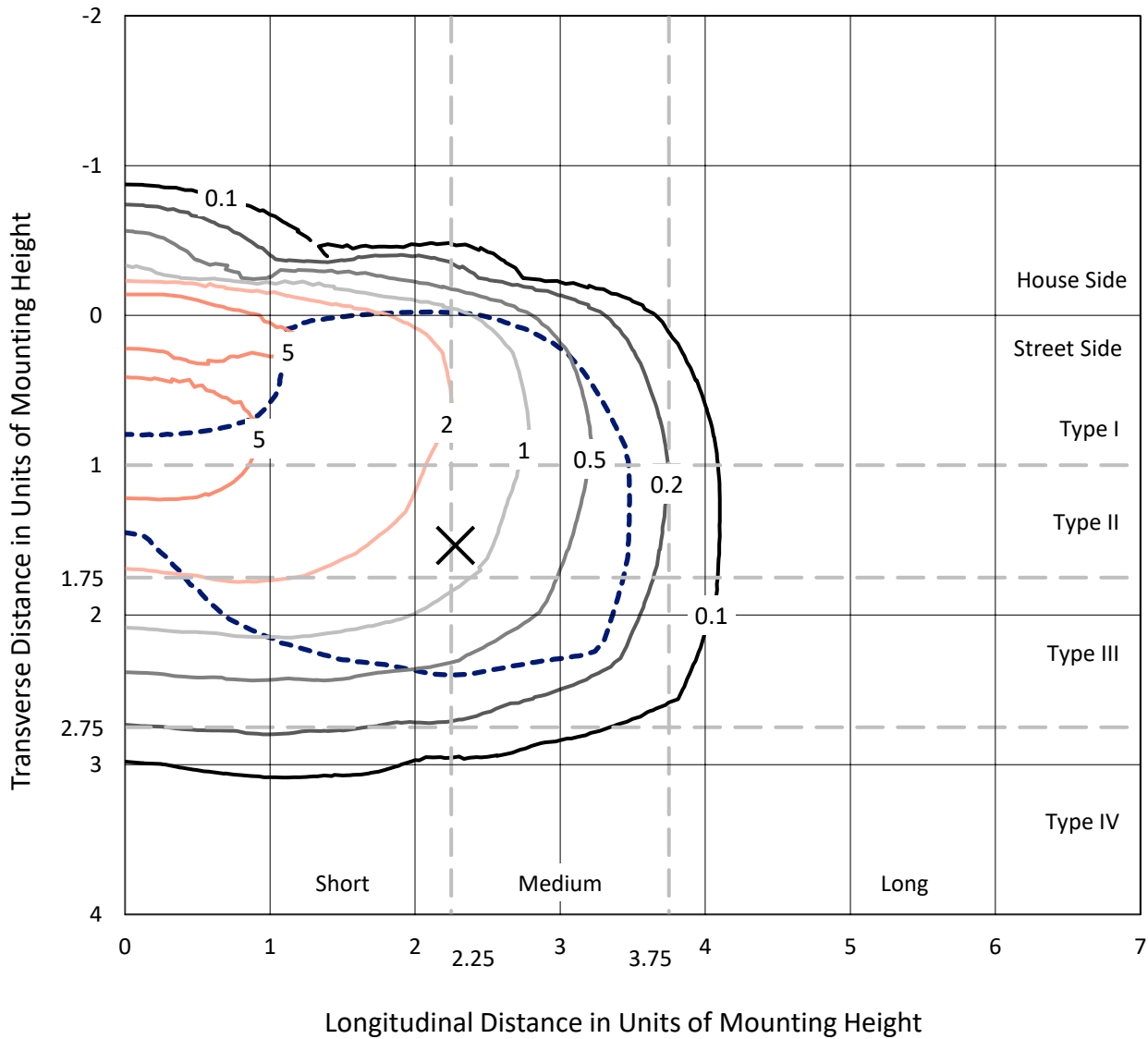
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

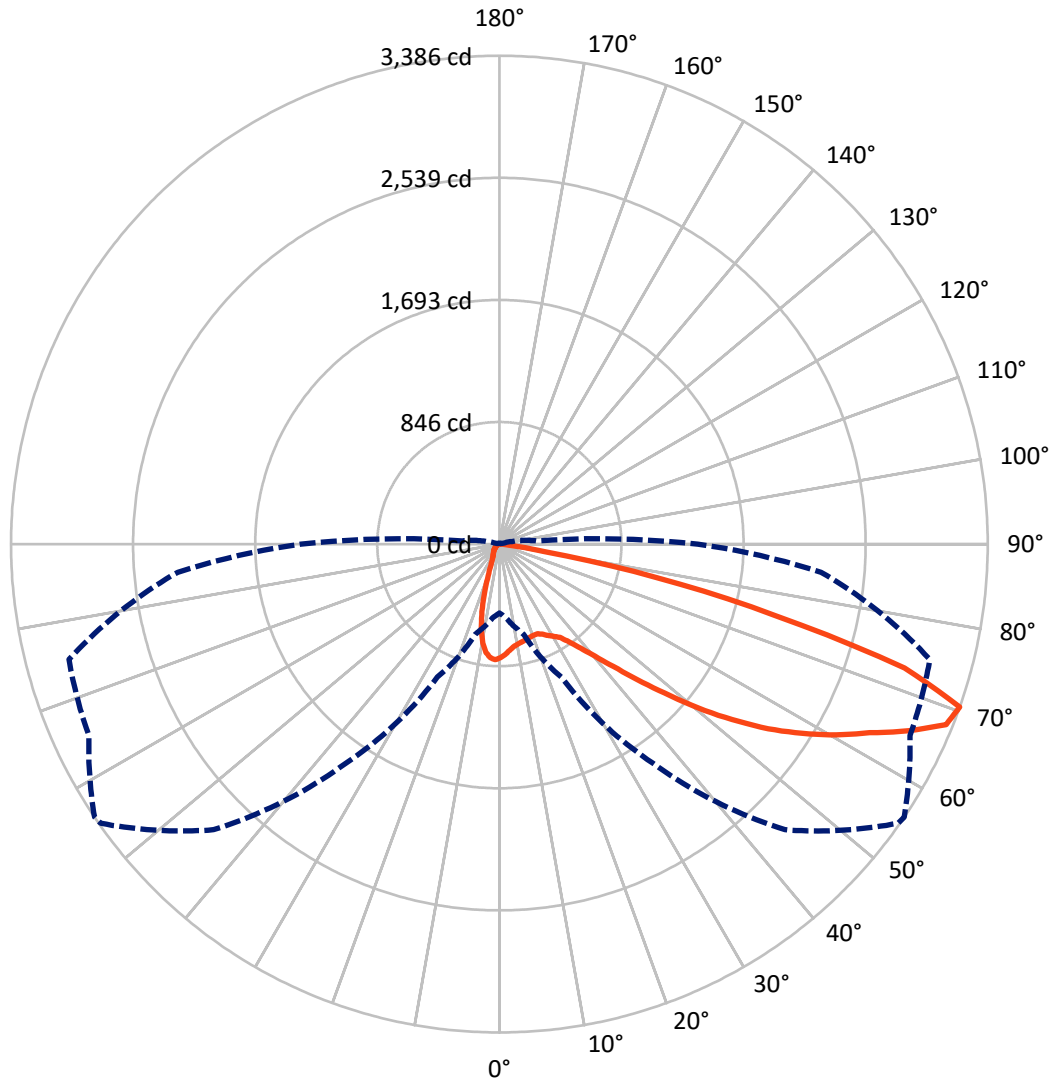
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	392.4	0.0	392.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3976.9	0.0	3976.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	4369.4	0.0	4369.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.5
10°-20°	152.1	3.5
20°-30°	241.0	5.5
30°-40°	415.6	9.5
40°-50°	701.8	16.1
50°-60°	1031.1	23.6
60°-70°	1222.5	28.0
70°-80°	521.3	11.9
80°-90°	16.4	0.4
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°	4369.4	100.0
0°-180°	4369.4	100.0

Coefficient of Utilization



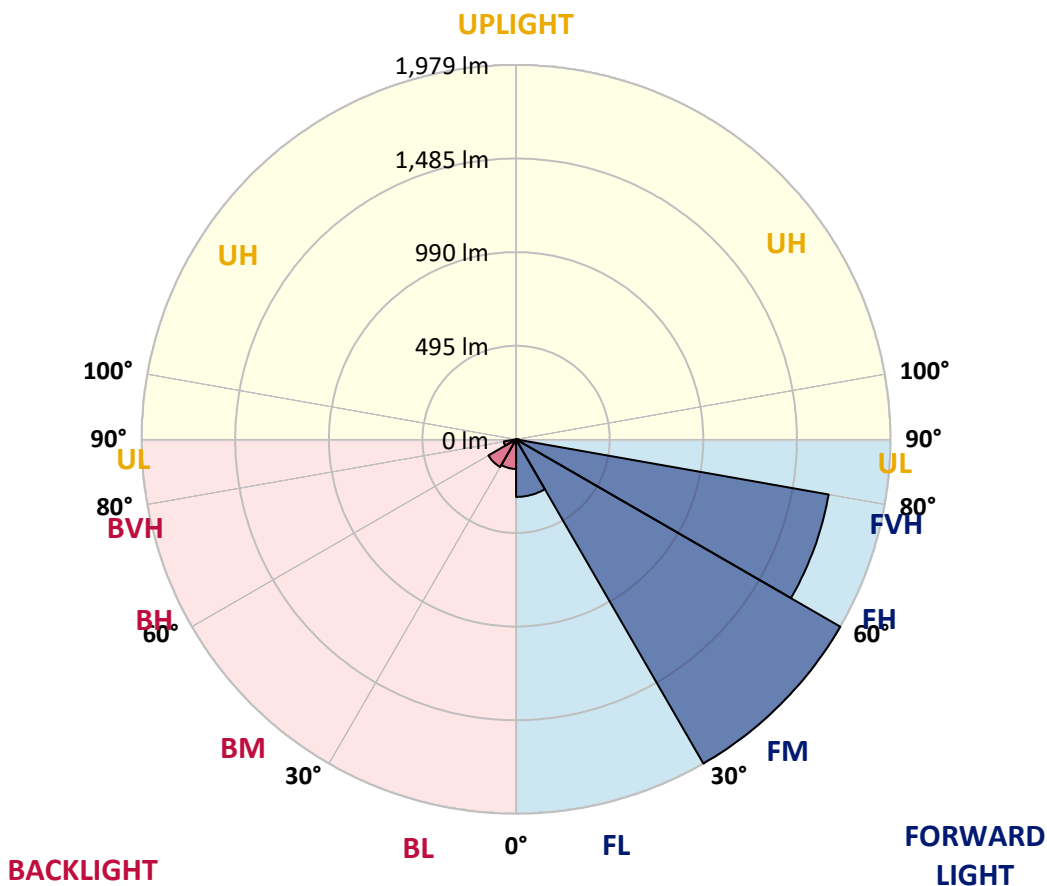
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.5	7.0			
FM (30°-60°)	1979.5	45.3			
FH (60°-80°)	1678.3	38.4			G1/1800
FVH (80°-90°)	14.7	0.3			G1/100
BL (0°-30°)	156.3	3.6	B1/500		
BM (30°-60°)	169.0	3.9	B0/220		
BH (60°-80°)	65.5	1.5	B0/110		G0/110
BVH (80°-90°)	1.7	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8
2.5°	733.4	732.2	733.0	739.0	750.2	755.4	764.2	765.8	773.0	782.2	785.8
5°	685.8	681.8	683.8	692.2	705.0	719.4	735.8	740.2	758.2	778.6	793.8
7.5°	642.2	637.8	642.6	655.8	673.8	689.4	713.8	716.6	745.4	781.4	809.1
10°	573.8	575.0	584.6	607.8	635.4	667.8	700.6	704.6	740.2	790.6	833.5
12.5°	521.4	518.6	529.0	555.4	594.2	641.4	690.6	695.8	740.6	804.7	864.7
15°	497.0	496.2	500.6	519.8	557.4	613.0	681.4	688.2	745.8	817.5	894.3
17.5°	497.8	496.6	496.2	507.4	535.4	591.8	671.4	680.2	750.2	831.5	925.5
20°	532.6	527.0	517.0	511.8	528.6	578.2	664.6	674.6	756.6	846.3	958.7
22.5°	605.4	607.4	580.6	552.6	544.6	579.8	663.8	675.4	770.6	869.5	999.5
25°	751.0	747.8	698.2	635.4	591.8	598.2	677.8	691.8	798.3	902.7	1037.9
27.5°	933.5	936.3	868.3	768.2	677.0	636.2	703.4	717.4	830.3	923.5	1063.5
30°	1132.4	1129.6	1056.7	945.9	797.8	699.4	729.0	741.4	846.3	934.7	1089.9
32.5°	1320.4	1314.0	1242.0	1126.0	951.9	799.1	764.2	771.4	867.5	959.1	1125.6
35°	1480.9	1480.5	1417.6	1294.0	1110.3	923.9	824.7	830.7	907.1	997.9	1178.0
37.5°	1646.5	1640.9	1570.5	1457.7	1273.2	1060.7	917.1	914.7	969.5	1055.1	1242.4
40°	1782.6	1779.0	1724.9	1616.5	1442.5	1212.0	1029.1	1021.9	1043.5	1134.4	1332.0
42.5°	1883.4	1883.8	1867.0	1801.0	1621.7	1386.8	1170.0	1158.8	1158.4	1254.0	1450.5
45°	1959.8	1965.0	1990.2	1980.2	1833.4	1590.5	1350.4	1338.8	1319.2	1409.2	1586.1
47.5°	1995.4	2002.2	2078.3	2118.3	2018.6	1792.6	1565.3	1540.9	1502.5	1615.7	1737.7
50°	1991.8	2003.8	2109.9	2231.5	2186.7	1997.4	1799.4	1787.8	1724.9	1834.2	1887.8
52.5°	1910.2	1935.8	2111.9	2300.3	2315.9	2186.3	2041.4	2019.8	1989.4	2062.2	2028.6
55°	1688.5	1719.7	2027.4	2322.3	2416.8	2351.1	2278.3	2260.7	2210.3	2277.5	2151.5
57.5°	1568.1	1594.9	1849.8	2311.5	2502.4	2503.6	2489.2	2474.8	2433.2	2490.4	2295.5
60°	1495.7	1522.5	1754.9	2271.9	2580.0	2664.4	2687.2	2685.6	2625.6	2732.5	2464.4
62.5°	1389.6	1426.4	1656.1	2169.1	2635.2	2822.9	2891.7	2880.9	2814.1	2984.5	2631.6
65°	1175.6	1207.6	1453.7	1999.4	2602.8	2954.1	3113.4	3119.0	3041.8	3221.8	2763.7
67.5°	824.3	847.9	1092.3	1643.3	2382.7	2997.3	3340.2	3339.8	3208.2	3343.4	2705.2
70°	477.7	510.2	645.4	1015.9	1853.8	2800.9	3374.3	3385.9	3140.6	3089.4	2238.7
72.5°	184.9	211.7	365.7	539.8	966.7	2145.5	2902.5	2936.5	2628.4	2383.1	1558.1
75°	55.2	61.6	172.1	287.3	388.1	1036.3	1965.0	1974.6	1803.0	1486.5	798.7
77.5°	41.2	45.6	75.2	145.2	136.0	314.1	1016.7	1110.3	957.1	531.0	220.1
80°	28.0	33.2	53.6	70.8	50.4	83.6	285.7	313.7	292.1	119.2	55.2
82.5°	12.4	16.0	38.0	35.6	18.4	24.0	88.0	93.6	60.4	36.0	19.2
85°	1.2	1.6	14.4	15.6	6.8	5.6	18.4	18.4	13.2	12.4	8.0
87.5°	0.0	0.0	0.4	0.8	0.8	1.2	1.6	2.0	2.4	3.2	4.0
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°	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8	787.8
2.5°	795.0	790.2	796.2	801.1	802.3	793.4	788.2	780.6	779.0	779.4	777.4
5°	805.9	803.5	807.9	802.7	789.0	763.4	741.4	717.0	703.8	696.2	695.4
7.5°	825.9	824.7	819.9	796.2	753.8	697.0	642.2	588.6	555.4	543.4	541.4
10°	855.5	853.1	833.5	777.4	687.0	577.8	485.8	408.9	362.1	348.5	331.7
12.5°	889.5	884.7	841.9	737.0	586.2	434.9	320.1	234.1	193.7	181.7	181.7
15°	922.3	911.9	837.1	670.2	462.1	282.9	178.9	135.2	122.8	119.6	119.6
17.5°	955.9	935.9	818.3	579.0	319.3	167.3	119.2	110.8	109.2	109.6	110.0
20°	987.5	956.3	785.0	469.3	203.7	116.8	106.8	104.8	104.0	104.8	104.4
22.5°	1021.9	975.1	734.6	349.7	132.4	105.2	101.6	100.0	99.2	100.4	100.4
25°	1055.9	988.7	667.8	235.3	105.2	98.0	96.0	94.4	93.6	94.0	94.0
27.5°	1073.5	983.5	580.2	150.0	94.4	90.8	88.8	86.8	85.6	85.2	85.6
30°	1085.5	967.5	472.9	106.8	85.6	81.2	79.2	77.6	74.4	72.4	73.2
32.5°	1104.3	951.5	356.5	89.6	78.4	71.6	68.4	64.4	60.0	58.0	58.0
35°	1126.8	929.5	250.1	80.8	70.8	63.6	57.6	50.8	45.6	44.0	44.0
37.5°	1156.4	908.7	166.5	74.8	64.4	56.8	48.4	40.4	34.8	34.0	33.6
40°	1200.8	891.1	117.2	70.4	58.8	49.6	39.6	31.2	27.2	26.0	26.0
42.5°	1258.4	873.1	92.8	66.0	54.0	42.8	31.6	24.8	21.6	20.8	20.4
45°	1329.6	851.9	80.8	62.0	49.2	35.6	25.2	20.8	18.4	17.6	17.6
47.5°	1406.8	823.1	75.2	56.8	43.6	28.8	21.2	18.0	16.8	16.4	16.0
50°	1482.9	784.2	70.4	52.0	37.2	23.6	18.4	16.4	15.6	15.2	15.2
52.5°	1549.3	739.0	64.4	46.4	30.4	20.4	16.4	15.2	14.4	13.6	13.2
55°	1606.1	689.8	56.8	40.0	24.8	18.0	15.2	14.0	13.2	12.4	12.0
57.5°	1679.3	661.8	45.6	32.4	20.4	16.0	14.0	12.8	12.0	10.8	10.8
60°	1760.6	641.4	34.0	25.6	17.6	14.8	12.8	11.6	10.8	9.6	9.6
62.5°	1825.8	611.0	26.8	20.8	15.2	13.2	11.6	10.4	9.6	8.4	8.4
65°	1850.6	548.2	22.0	16.4	12.4	11.6	10.4	9.6	8.4	7.2	7.2
67.5°	1738.5	422.5	18.4	13.2	10.4	10.0	9.2	8.8	7.2	6.4	6.0
70°	1376.8	257.7	15.2	10.8	8.8	8.4	8.4	7.6	6.4	6.0	5.6
72.5°	943.5	132.8	12.4	8.8	7.6	7.6	7.2	6.8	6.0	5.6	5.6
75°	490.2	44.4	9.6	6.8	6.0	6.4	6.4	6.0	5.6	5.6	5.2
77.5°	140.4	20.0	7.2	5.2	4.8	4.8	5.2	5.2	5.2	4.8	4.8
80°	36.4	11.6	5.2	4.0	4.0	4.0	4.0	4.4	4.8	4.4	4.4
82.5°	14.8	6.4	3.6	3.2	3.2	3.2	3.2	3.6	4.0	4.0	4.0
85°	9.2	3.2	2.8	2.8	2.8	2.4	2.4	2.8	2.8	3.2	3.2
87.5°	5.6	2.4	2.4	2.4	2.4	2.0	2.0	2.0	2.0	2.0	2.0
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)