

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: P630853

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5563.1 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

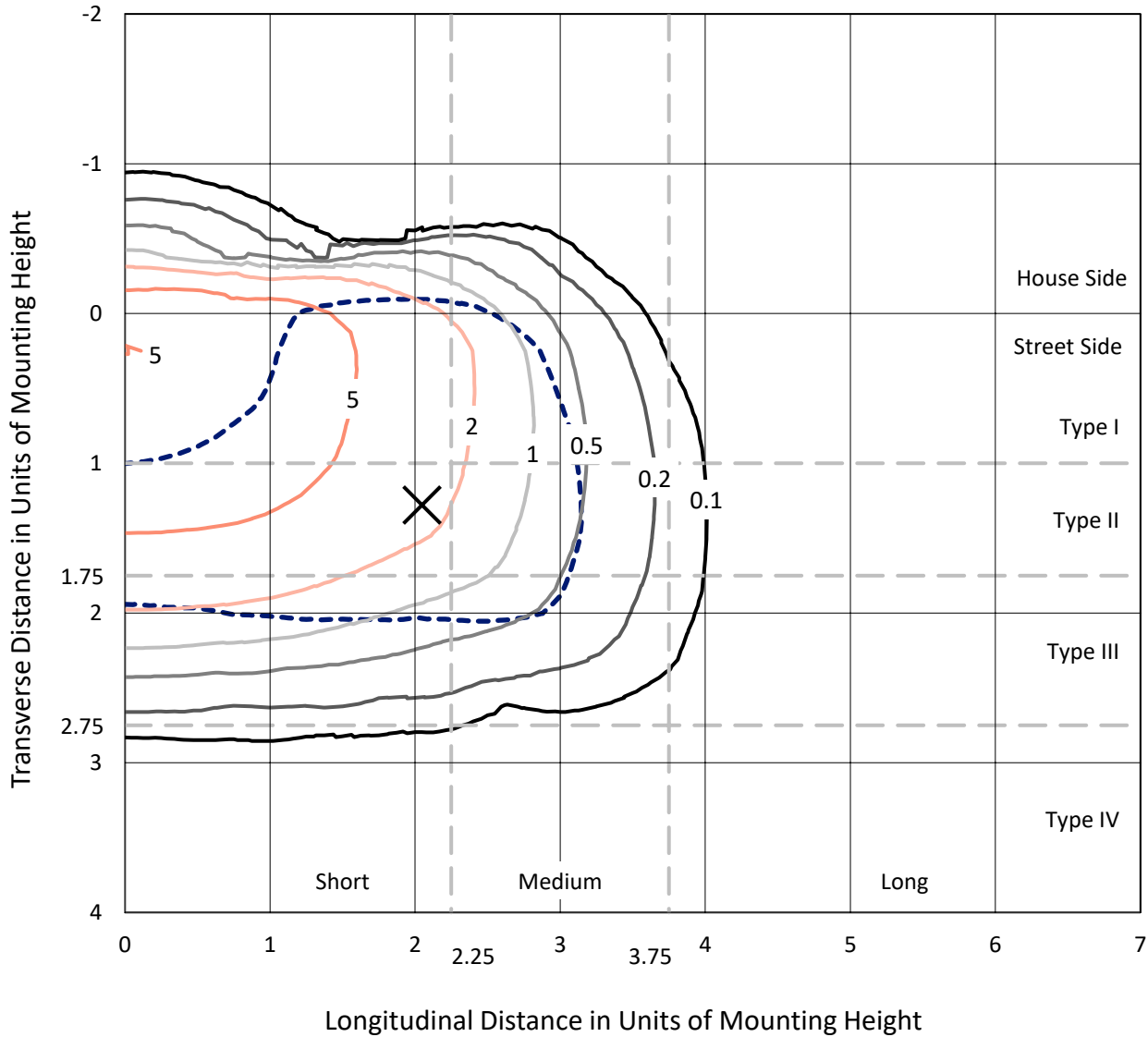
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

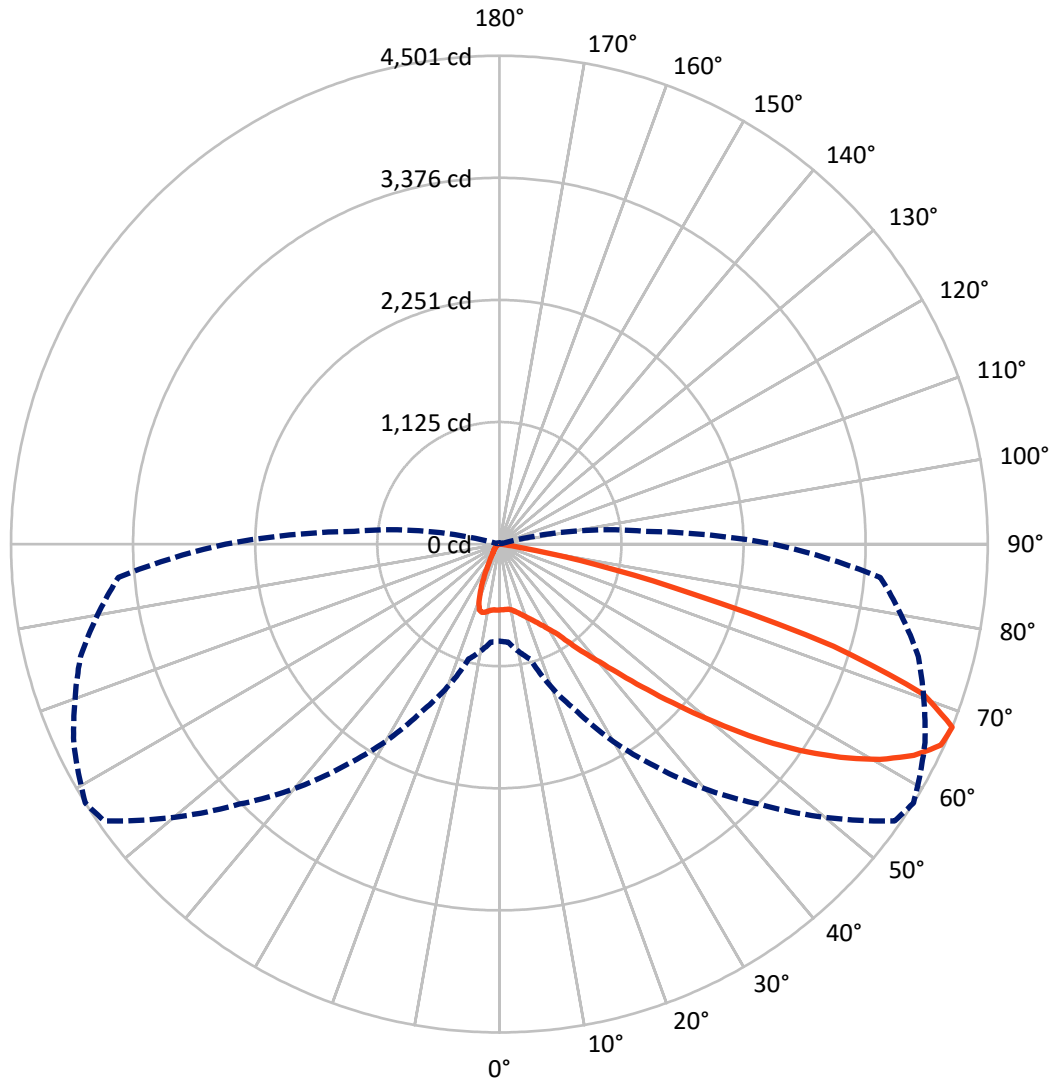
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.9	0.0	606.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4956.2	0.0	4956.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	5563.1	0.0	5563.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	1.0
10°-20°	159.9	2.9
20°-30°	279.1	5.0
30°-40°	498.4	9.0
40°-50°	911.0	16.4
50°-60°	1515.1	27.2
60°-70°	1645.7	29.6
70°-80°	483.2	8.7
80°-90°	13.8	0.2
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°	5563.1	100.0
0°-180°	5563.1	100.0

Coefficient of Utilization



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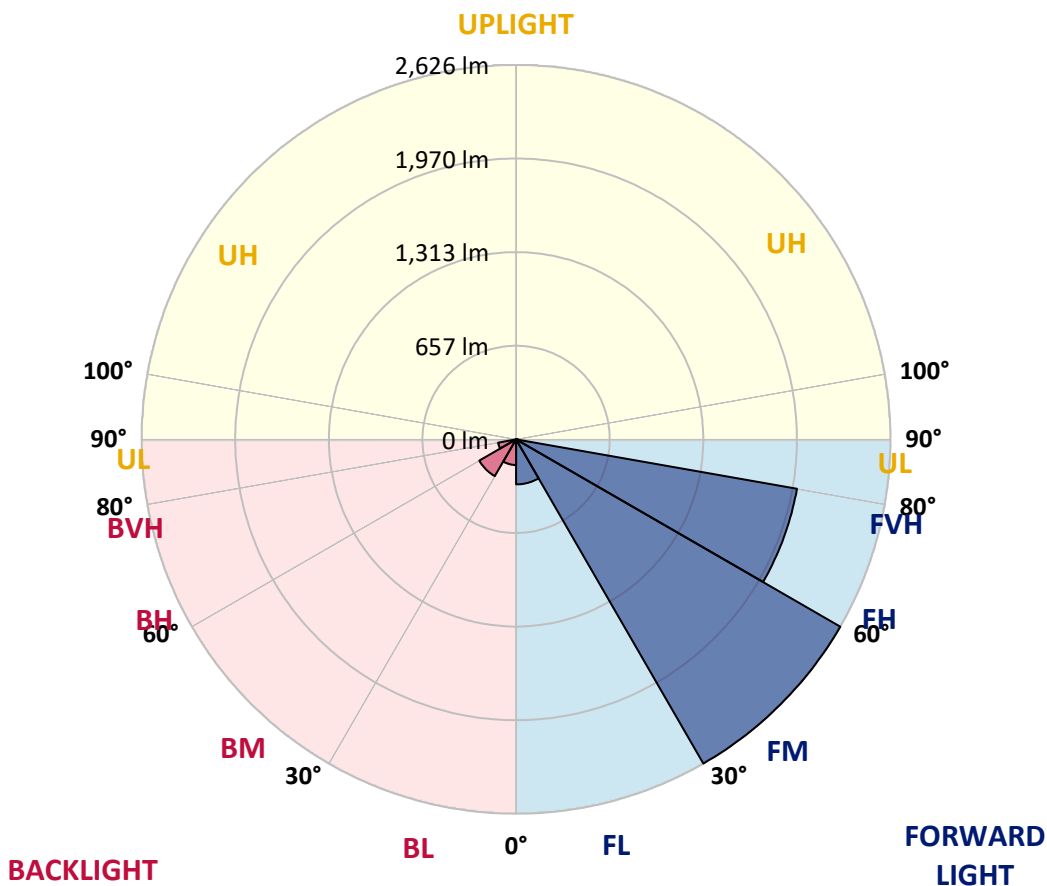
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.9	5.7			
FM (30°-60°)	2626.5	47.2			
FH (60°-80°)	2000.7	36.0			G2/5000
FVH (80°-90°)	13.1	0.2			G1/100
BL (0°-30°)	180.0	3.2	B1/500		
BM (30°-60°)	298.1	5.4	B1/1000		
BH (60°-80°)	128.1	2.3	B1/500		G1/500
BVH (80°-90°)	0.7	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2
2.5°	594.8	593.7	593.7	598.1	598.6	600.8	605.7	606.2	608.9	607.8	604.0
5°	563.8	564.4	567.6	575.2	581.8	589.9	601.9	604.6	610.6	613.8	611.6
7.5°	535.1	535.6	540.5	552.4	564.9	581.2	600.8	606.2	618.2	626.9	627.4
10°	524.2	523.6	528.5	542.1	558.4	581.2	609.5	616.5	634.5	649.7	652.4
12.5°	527.4	526.9	531.8	544.3	562.2	591.0	624.7	634.5	657.3	680.6	685.5
15°	540.5	539.9	543.2	553.5	573.1	603.0	644.2	658.9	687.7	715.9	723.5
17.5°	579.6	576.9	573.6	574.7	586.1	617.1	669.2	687.1	723.0	756.7	763.2
20°	649.1	642.1	633.4	622.0	616.5	637.7	698.0	718.7	762.1	800.7	801.8
22.5°	754.0	751.2	731.1	698.0	674.7	675.2	731.7	755.6	808.8	851.2	845.2
25°	900.1	898.5	867.5	813.2	752.3	731.7	774.6	799.0	864.2	909.3	890.3
27.5°	1081.5	1070.1	1033.7	960.4	869.7	805.0	828.9	850.7	922.9	965.3	929.4
30°	1239.6	1240.1	1205.9	1129.3	1027.2	915.3	895.2	914.2	976.7	1021.2	977.8
32.5°	1391.7	1396.6	1359.1	1290.1	1178.2	1059.2	990.3	993.5	1045.7	1094.0	1041.3
35°	1532.9	1536.7	1510.6	1452.0	1347.7	1209.7	1122.8	1121.2	1149.4	1198.8	1129.9
37.5°	1691.0	1694.8	1669.3	1616.6	1518.8	1381.9	1273.3	1271.1	1282.5	1322.7	1243.9
40°	1859.4	1866.4	1838.2	1793.6	1700.2	1584.5	1448.2	1428.6	1417.2	1464.5	1391.7
42.5°	2029.9	2040.8	2031.0	1986.5	1906.6	1811.0	1675.2	1644.8	1620.4	1679.6	1602.4
45°	2241.8	2254.8	2250.5	2216.3	2154.3	2076.7	1948.5	1913.2	1901.7	1956.6	1864.8
47.5°	2445.5	2459.6	2475.4	2467.8	2423.8	2387.9	2245.6	2225.5	2222.2	2280.9	2138.6
50°	2597.0	2610.1	2670.4	2713.8	2743.7	2736.1	2612.8	2582.9	2578.0	2615.5	2427.6
52.5°	2705.7	2718.2	2801.3	2937.1	3046.8	3106.6	2982.2	2975.7	2949.0	2936.0	2698.1
55°	2789.9	2807.3	2894.7	3100.0	3321.1	3453.7	3376.0	3352.6	3284.2	3209.2	2949.0
57.5°	2806.7	2813.8	2937.1	3214.1	3534.1	3748.6	3748.6	3707.9	3575.9	3472.1	3239.1
60°	2655.7	2677.4	2844.2	3204.9	3625.3	3941.5	4057.7	4029.5	3851.3	3723.6	3518.3
62.5°	2320.6	2345.0	2548.2	2983.8	3534.1	3981.1	4291.8	4287.5	4086.5	3931.7	3749.7
65°	1779.5	1797.5	1974.5	2496.0	3148.4	3828.5	4459.1	4471.1	4272.3	4069.1	3829.6
67.5°	894.1	906.6	1097.8	1705.1	2495.5	3389.0	4447.7	4501.0	4328.8	3996.3	3524.8
70°	312.3	324.8	415.0	731.7	1518.8	2587.8	4063.1	4150.1	3996.9	3411.3	2600.3
72.5°	107.0	113.0	172.2	271.6	591.0	1534.0	3089.7	3220.6	2946.3	2290.1	1494.3
75°	60.8	64.6	92.3	147.2	247.7	504.6	1752.9	1833.3	1717.6	1248.3	614.9
77.5°	41.3	44.5	57.6	83.7	136.9	162.4	714.9	900.1	784.9	407.4	157.0
80°	24.4	26.6	35.3	49.4	70.1	63.0	153.2	203.7	262.4	121.7	47.3
82.5°	11.4	13.0	22.8	32.6	35.3	26.6	45.1	54.9	73.9	59.8	19.6
85°	0.0	0.0	7.6	13.6	13.0	7.6	12.5	13.6	20.1	29.9	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	3.3	6.0	3.3
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°	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2	606.2
2.5°	608.4	604.6	608.9	606.8	608.9	608.4	604.0	601.3	601.3	596.4	594.8
5°	616.0	612.2	613.3	608.4	607.3	604.6	599.2	597.0	597.0	592.1	590.5
7.5°	632.8	626.9	625.8	616.0	611.6	604.0	594.3	590.5	589.9	585.0	583.4
10°	659.4	652.4	647.5	635.0	622.5	607.3	586.7	569.3	559.5	546.5	545.4
12.5°	692.0	683.3	675.7	656.7	636.1	601.9	541.0	477.5	438.4	407.4	409.6
15°	728.4	720.3	708.3	679.5	637.2	548.1	421.0	323.2	275.4	249.9	248.8
17.5°	768.1	756.1	736.6	697.5	603.0	418.8	273.8	193.4	168.4	159.7	157.5
20°	805.0	790.4	765.9	701.3	504.1	283.6	171.1	149.9	145.6	142.9	142.9
22.5°	844.1	825.7	789.3	671.9	374.8	181.4	145.6	140.7	137.4	133.6	133.1
25°	883.8	859.9	810.5	595.3	245.5	142.9	136.3	130.9	124.9	119.0	117.3
27.5°	917.5	886.5	826.8	481.3	157.5	128.7	124.4	115.2	107.0	100.5	99.4
30°	957.7	918.0	833.8	352.0	123.8	113.5	107.0	97.2	87.5	80.9	78.8
32.5°	1011.4	968.0	822.9	229.2	109.7	99.9	89.6	78.2	68.4	61.4	60.3
35°	1095.1	1043.5	773.0	146.1	99.4	86.4	73.9	61.9	53.8	48.3	47.3
37.5°	1197.2	1149.4	691.0	109.7	89.1	75.0	60.3	48.9	42.9	39.1	38.0
40°	1348.8	1282.0	589.4	96.1	78.8	63.6	49.4	40.2	35.9	32.6	31.5
42.5°	1545.4	1438.4	472.6	87.5	69.0	53.2	40.2	33.1	29.3	27.2	26.6
45°	1775.2	1591.0	349.3	78.8	59.8	44.0	33.1	27.2	24.4	22.8	22.3
47.5°	2010.4	1724.7	241.2	69.5	51.1	36.4	27.7	23.4	21.2	19.0	18.5
50°	2261.3	1837.6	164.6	60.3	43.5	29.9	23.9	21.2	18.5	16.8	16.3
52.5°	2445.5	1879.5	114.6	52.1	36.9	25.5	21.2	19.0	16.8	14.7	14.1
55°	2615.5	1878.4	86.9	44.0	31.5	22.3	19.0	16.8	14.7	13.0	12.5
57.5°	2785.0	1863.7	68.4	37.5	27.2	20.1	16.8	14.7	13.6	11.4	10.9
60°	2894.7	1808.3	53.2	31.5	23.4	17.4	14.7	13.0	11.4	9.8	9.2
62.5°	2952.8	1731.2	40.7	25.0	19.0	15.2	13.0	11.4	9.8	8.1	7.6
65°	2874.1	1594.3	32.0	19.6	14.7	13.0	10.9	9.2	7.6	6.0	5.4
67.5°	2524.8	1344.4	25.0	15.8	11.4	9.8	9.2	7.6	5.4	4.3	3.8
70°	1784.4	920.7	19.6	12.0	8.7	7.6	7.1	6.0	4.3	3.3	2.7
72.5°	979.4	464.4	14.1	8.7	6.5	6.0	5.4	4.9	3.8	2.7	2.7
75°	377.0	127.7	10.3	6.0	4.3	4.3	3.8	3.8	3.3	2.2	2.2
77.5°	98.3	38.0	6.5	3.8	2.7	2.7	2.7	2.2	2.2	1.6	1.6
80°	31.5	12.5	3.8	2.7	2.2	1.6	1.6	1.1	1.6	1.1	1.1
82.5°	10.3	4.3	2.2	2.2	1.6	1.1	1.1	0.5	0.5	0.0	0.0
85°	3.8	2.2	1.6	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0
87.5°	2.2	1.1	1.1	1.1	1.1	0.5	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)