

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: P632118

Luminaire Tested: GWS-SA2C-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632118
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-SA2C-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

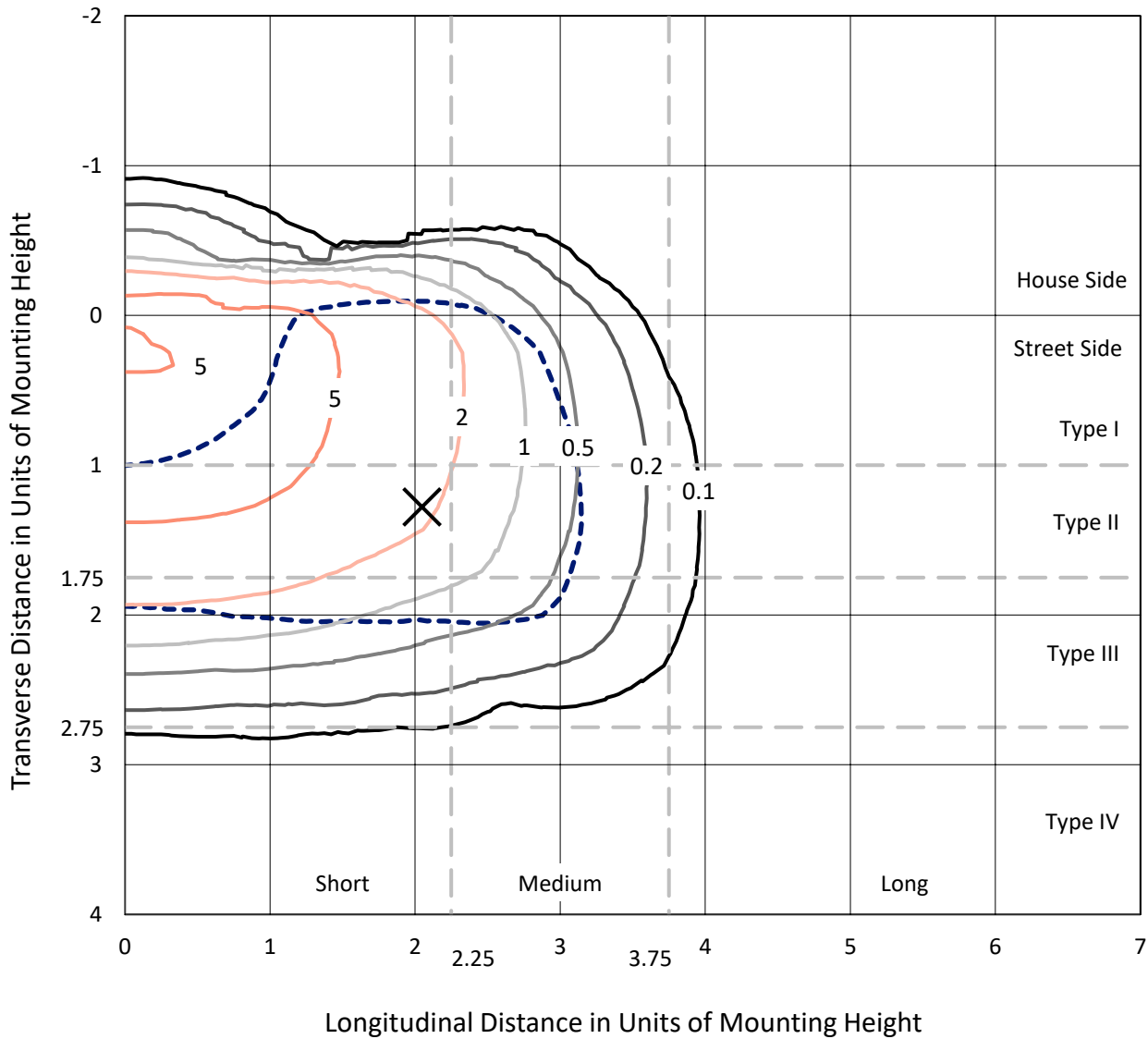
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

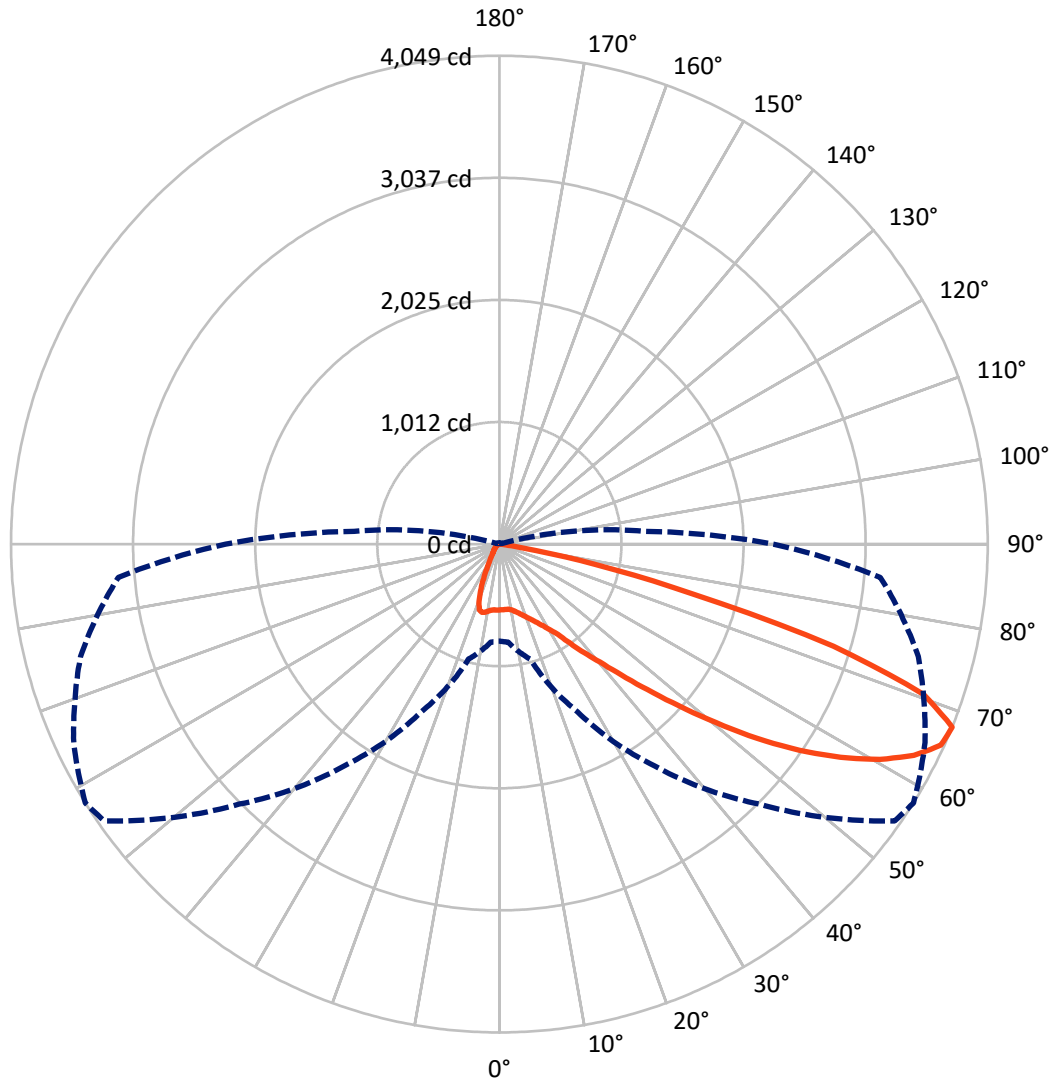
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	546.0	0.0	546.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4459.0	0.0	4459.0
	% Fixture	89.1	0.0	89.1
Total	Lumens	5005.0	0.0	5005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.0
10°-20°	143.9	2.9
20°-30°	251.1	5.0
30°-40°	448.4	9.0
40°-50°	819.6	16.4
50°-60°	1363.1	27.2
60°-70°	1480.6	29.6
70°-80°	434.7	8.7
80°-90°	12.4	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°	5005.0	100.0
0°-180°	5005.0	100.0

Coefficient of Utilization



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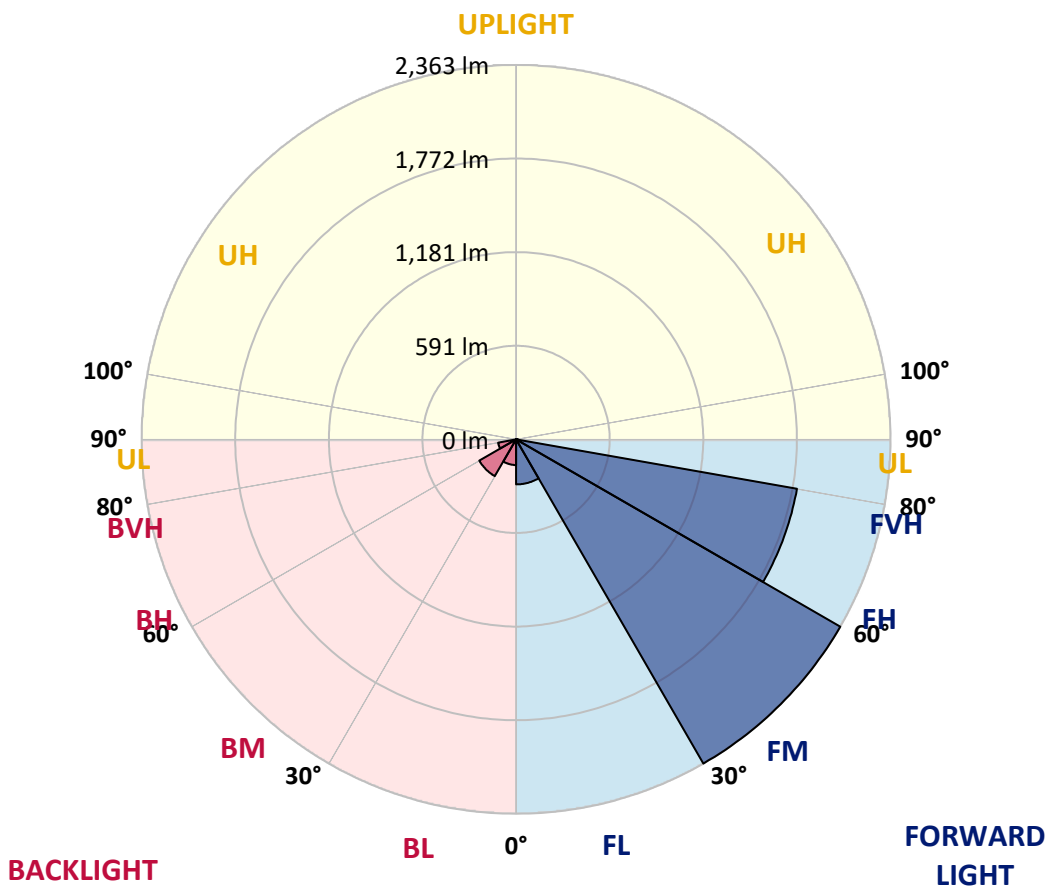
CATALOG NUMBER: GWS-SA2C-722-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.2	5.7			
FM (30°-60°)	2363.0	47.2			
FH (60°-80°)	1800.0	36.0			G2/5000
FVH (80°-90°)	11.8	0.2			G1/100
BL (0°-30°)	162.0	3.2	B1/500		
BM (30°-60°)	268.2	5.4	B1/1000		
BH (60°-80°)	115.3	2.3	B1/500		G1/500
BVH (80°-90°)	0.6	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°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4
2.5°	535.1	534.2	534.2	538.1	538.6	540.5	544.9	545.4	547.8	546.9	543.4
5°	507.3	507.8	510.7	517.5	523.4	530.7	541.5	543.9	549.3	552.2	550.3
7.5°	481.4	481.9	486.3	497.0	508.3	522.9	540.5	545.4	556.1	564.0	564.5
10°	471.6	471.1	475.5	487.7	502.4	522.9	548.3	554.7	570.8	584.5	586.9
12.5°	474.5	474.0	478.4	489.7	505.8	531.7	562.0	570.8	591.3	612.3	616.7
15°	486.3	485.8	488.7	498.0	515.6	542.5	579.6	592.8	618.7	644.1	651.0
17.5°	521.4	519.0	516.1	517.1	527.3	555.2	602.1	618.2	650.5	680.8	686.6
20°	584.0	577.7	569.8	559.6	554.7	573.7	628.0	646.6	685.7	720.4	721.3
22.5°	678.3	675.9	657.8	628.0	607.0	607.5	658.3	679.8	727.7	765.8	760.4
25°	809.8	808.3	780.5	731.6	676.9	658.3	696.9	718.9	777.5	818.1	801.0
27.5°	973.0	962.8	930.0	864.0	782.4	724.3	745.8	765.3	830.3	868.4	836.2
30°	1115.2	1115.7	1084.9	1016.0	924.1	823.5	805.4	822.5	878.7	918.8	879.7
32.5°	1252.1	1256.5	1222.7	1160.7	1060.0	953.0	890.9	893.8	940.8	984.3	936.8
35°	1379.1	1382.5	1359.1	1306.3	1212.5	1088.3	1010.2	1008.7	1034.1	1078.6	1016.5
37.5°	1521.3	1524.8	1501.8	1454.4	1366.4	1243.3	1145.5	1143.6	1153.8	1190.0	1119.1
40°	1672.8	1679.2	1653.8	1613.7	1529.6	1425.6	1302.9	1285.3	1275.0	1317.6	1252.1
42.5°	1826.3	1836.1	1827.3	1787.2	1715.4	1629.3	1507.2	1479.8	1457.8	1511.1	1441.7
45°	2016.9	2028.6	2024.7	1993.9	1938.2	1868.3	1753.0	1721.2	1711.0	1760.3	1677.7
47.5°	2200.2	2212.9	2227.0	2220.2	2180.6	2148.3	2020.3	2002.2	1999.3	2052.1	1924.0
50°	2336.5	2348.2	2402.5	2441.6	2468.5	2461.6	2350.7	2323.8	2319.4	2353.1	2184.0
52.5°	2434.2	2445.5	2520.3	2642.4	2741.1	2794.9	2683.0	2677.1	2653.2	2641.5	2427.4
55°	2510.0	2525.6	2604.3	2789.0	2987.9	3107.2	3037.3	3016.3	2954.7	2887.3	2653.2
57.5°	2525.1	2531.5	2642.4	2891.7	3179.5	3372.6	3372.6	3335.9	3217.1	3123.8	2914.2
60°	2389.3	2408.8	2558.9	2883.4	3261.6	3546.0	3650.6	3625.2	3464.9	3350.1	3165.3
62.5°	2087.8	2109.7	2292.5	2684.5	3179.5	3581.7	3861.3	3857.4	3676.5	3537.3	3373.5
65°	1601.0	1617.1	1776.4	2245.6	2832.5	3444.4	4011.8	4022.5	3843.7	3660.9	3445.4
67.5°	804.4	815.6	987.7	1534.0	2245.1	3049.0	4001.5	4049.4	3894.5	3595.4	3171.2
70°	281.0	292.2	373.4	658.3	1366.4	2328.2	3655.5	3733.7	3595.9	3069.1	2339.4
72.5°	96.3	101.7	154.9	244.4	531.7	1380.1	2779.8	2897.5	2650.7	2060.4	1344.4
75°	54.7	58.2	83.1	132.4	222.8	454.0	1577.1	1649.4	1545.3	1123.0	553.2
77.5°	37.1	40.1	51.8	75.3	123.2	146.1	643.1	809.8	706.2	366.5	141.2
80°	22.0	23.9	31.8	44.5	63.0	56.7	137.8	183.3	236.0	109.5	42.5
82.5°	10.3	11.7	20.5	29.3	31.8	23.9	40.6	49.4	66.5	53.8	17.6
85°	0.0	0.0	6.8	12.2	11.7	6.8	11.2	12.2	18.1	26.9	6.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.9	5.4	2.9
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°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4
2.5°	547.4	543.9	547.8	545.9	547.8	547.4	543.4	541.0	541.0	536.6	535.1
5°	554.2	550.8	551.7	547.4	546.4	543.9	539.0	537.1	537.1	532.7	531.2
7.5°	569.3	564.0	563.0	554.2	550.3	543.4	534.6	531.2	530.7	526.3	524.9
10°	593.3	586.9	582.5	571.3	560.1	546.4	527.8	512.2	503.4	491.6	490.7
12.5°	622.6	614.8	607.9	590.8	572.3	541.5	486.8	429.6	394.4	366.5	368.5
15°	655.4	648.0	637.3	611.4	573.3	493.1	378.7	290.8	247.8	224.8	223.8
17.5°	691.0	680.3	662.7	627.5	542.5	376.8	246.3	174.0	151.5	143.7	141.7
20°	724.3	711.1	689.1	630.9	453.5	255.1	153.9	134.9	131.0	128.5	128.5
22.5°	759.4	742.8	710.1	604.5	337.2	163.2	131.0	126.6	123.6	120.2	119.7
25°	795.1	773.6	729.1	535.6	220.9	128.5	122.7	117.8	112.4	107.0	105.6
27.5°	825.4	797.6	743.8	433.0	141.7	115.8	111.9	103.6	96.3	90.4	89.4
30°	861.6	825.9	750.2	316.7	111.4	102.1	96.3	87.5	78.7	72.8	70.9
32.5°	910.0	870.9	740.4	206.2	98.7	89.9	80.6	70.4	61.6	55.2	54.2
35°	985.2	938.8	695.4	131.5	89.4	77.7	66.5	55.7	48.4	43.5	42.5
37.5°	1077.1	1034.1	621.6	98.7	80.1	67.4	54.2	44.0	38.6	35.2	34.2
40°	1213.5	1153.3	530.2	86.5	70.9	57.2	44.5	36.2	32.3	29.3	28.3
42.5°	1390.4	1294.1	425.2	78.7	62.1	47.9	36.2	29.8	26.4	24.4	23.9
45°	1597.1	1431.4	314.2	70.9	53.8	39.6	29.8	24.4	22.0	20.5	20.0
47.5°	1808.7	1551.6	217.0	62.6	45.9	32.7	24.9	21.0	19.1	17.1	16.6
50°	2034.5	1653.3	148.1	54.2	39.1	26.9	21.5	19.1	16.6	15.1	14.7
52.5°	2200.2	1690.9	103.1	46.9	33.2	23.0	19.1	17.1	15.1	13.2	12.7
55°	2353.1	1689.9	78.2	39.6	28.3	20.0	17.1	15.1	13.2	11.7	11.2
57.5°	2505.6	1676.7	61.6	33.7	24.4	18.1	15.1	13.2	12.2	10.3	9.8
60°	2604.3	1626.9	47.9	28.3	21.0	15.6	13.2	11.7	10.3	8.8	8.3
62.5°	2656.6	1557.5	36.7	22.5	17.1	13.7	11.7	10.3	8.8	7.3	6.8
65°	2585.7	1434.4	28.8	17.6	13.2	11.7	9.8	8.3	6.8	5.4	4.9
67.5°	2271.5	1209.5	22.5	14.2	10.3	8.8	8.3	6.8	4.9	3.9	3.4
70°	1605.4	828.4	17.6	10.8	7.8	6.8	6.4	5.4	3.9	2.9	2.4
72.5°	881.1	417.8	12.7	7.8	5.9	5.4	4.9	4.4	3.4	2.4	2.4
75°	339.2	114.8	9.3	5.4	3.9	3.9	3.4	3.4	2.9	2.0	2.0
77.5°	88.5	34.2	5.9	3.4	2.4	2.4	2.4	2.0	2.0	1.5	1.5
80°	28.3	11.2	3.4	2.4	2.0	1.5	1.5	1.0	1.5	1.0	1.0
82.5°	9.3	3.9	2.0	2.0	1.5	1.0	1.0	0.5	0.5	0.0	0.0
85°	3.4	2.0	1.5	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	1.0	1.0	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)