

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: P631898

Luminaire Tested: GWS-SA2B-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631898
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-SA2B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.6 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

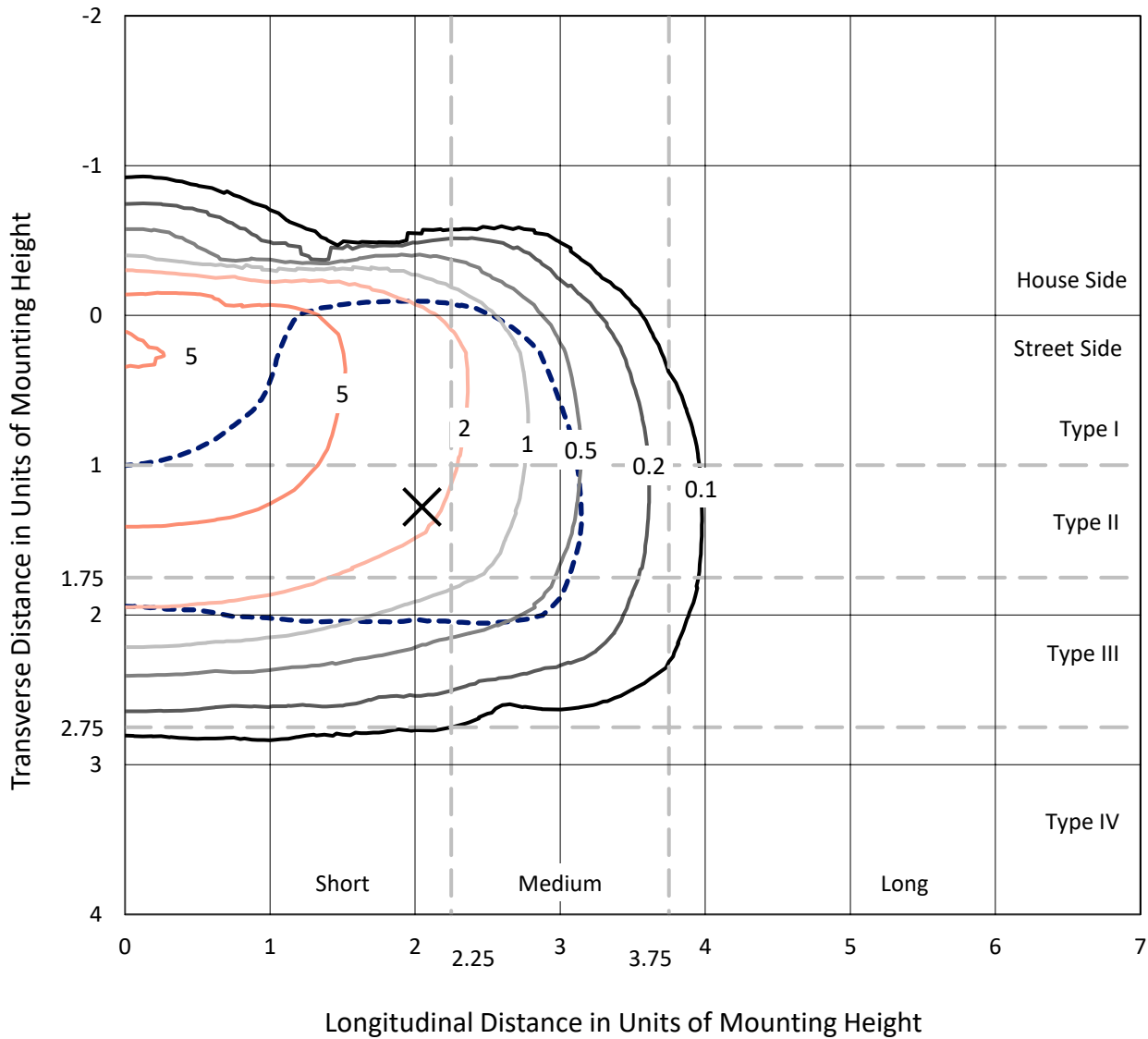
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

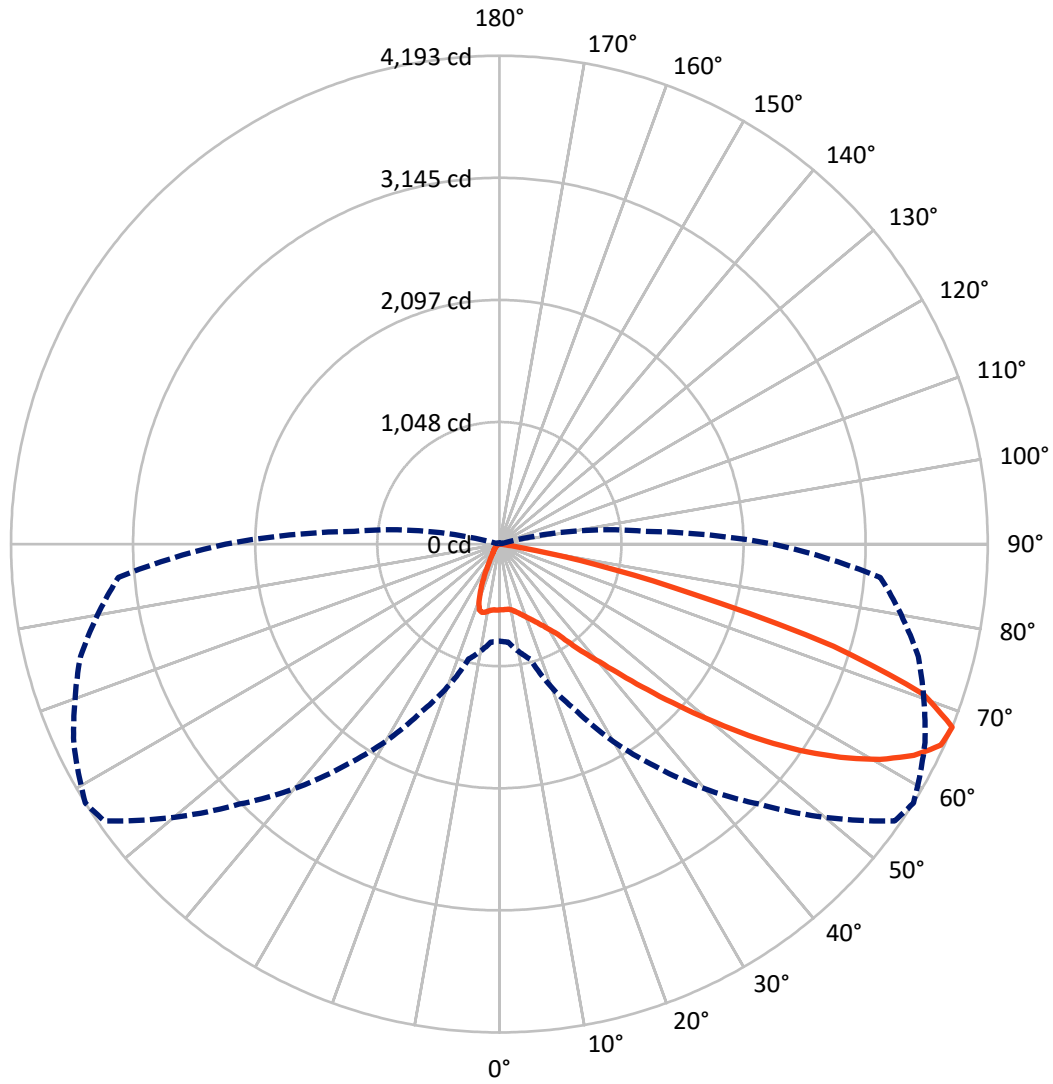
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	565.4	0.0	565.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4617.2	0.0	4617.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	5182.6	0.0	5182.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	1.0
10°-20°	149.0	2.9
20°-30°	260.0	5.0
30°-40°	464.3	9.0
40°-50°	848.7	16.4
50°-60°	1411.5	27.2
60°-70°	1533.1	29.6
70°-80°	450.1	8.7
80°-90°	12.8	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°	5182.6	100.0
0°-180°	5182.6	100.0

Coefficient of Utilization



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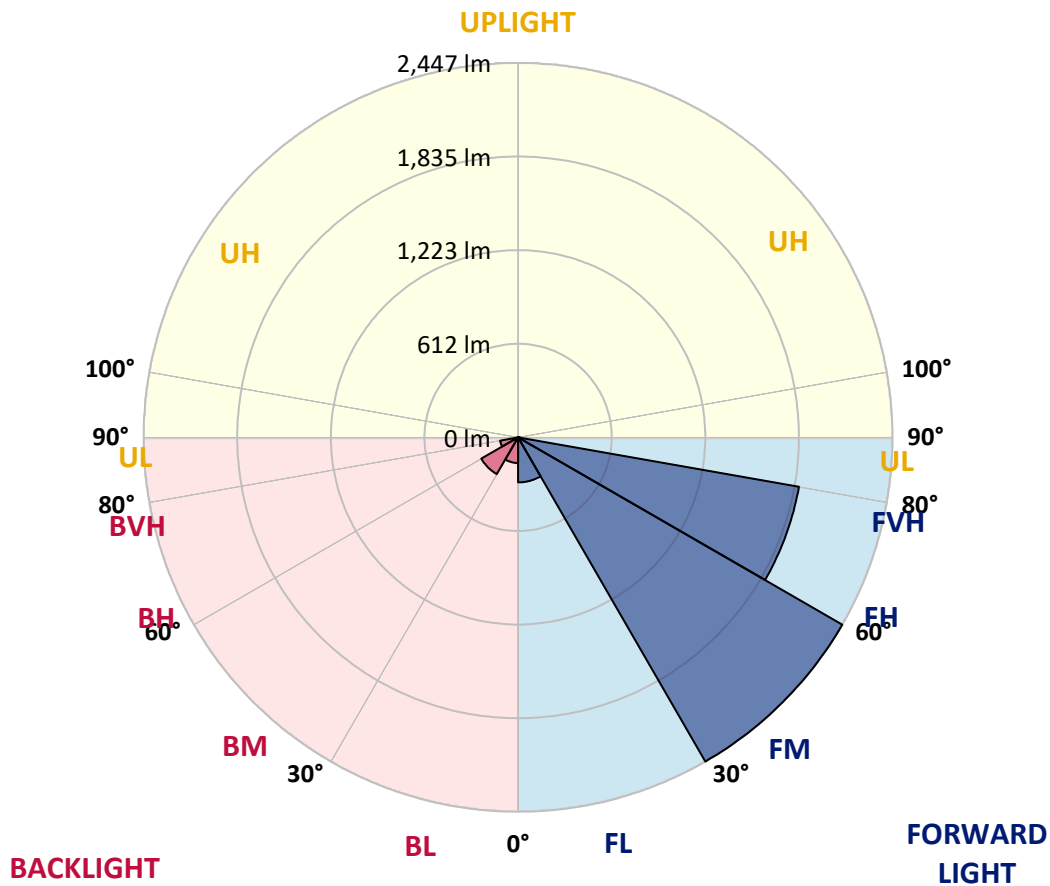
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.3	5.7			
FM (30°-60°)	2446.8	47.2			
FH (60°-80°)	1863.9	36.0			G2/5000
FVH (80°-90°)	12.2	0.2			G1/100
BL (0°-30°)	167.7	3.2	B1/500		
BM (30°-60°)	277.7	5.4	B1/1000		
BH (60°-80°)	119.3	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°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	554.1	553.1	553.1	557.2	557.7	559.7	564.2	564.7	567.3	566.3	562.7
5°	525.3	525.8	528.8	535.9	542.0	549.6	560.7	563.2	568.8	571.8	569.8
7.5°	498.5	499.0	503.5	514.6	526.3	541.5	559.7	564.7	575.9	584.0	584.5
10°	488.3	487.8	492.4	505.0	520.2	541.5	567.8	574.4	591.1	605.2	607.8
12.5°	491.4	490.9	495.4	507.1	523.8	550.6	582.0	591.1	612.3	634.1	638.6
15°	503.5	503.0	506.0	515.7	533.9	561.7	600.2	613.8	640.7	667.0	674.1
17.5°	540.0	537.4	534.4	535.4	546.0	574.9	623.5	640.1	673.5	704.9	711.0
20°	604.7	598.1	590.1	579.4	574.4	594.1	650.3	669.5	710.0	745.9	746.9
22.5°	702.4	699.9	681.1	650.3	628.5	629.0	681.6	703.9	753.5	793.0	787.4
25°	838.5	837.0	808.2	757.6	700.9	681.6	721.6	744.4	805.1	847.1	829.4
27.5°	1007.5	996.9	963.0	894.7	810.2	750.0	772.2	792.5	859.8	899.2	865.8
30°	1154.8	1155.3	1123.4	1052.1	956.9	852.7	834.0	851.7	909.9	951.4	910.9
32.5°	1296.5	1301.0	1266.1	1201.9	1097.6	986.8	922.5	925.6	974.1	1019.2	970.1
35°	1428.1	1431.6	1407.3	1352.7	1255.5	1127.0	1046.0	1044.5	1070.8	1116.8	1052.6
37.5°	1575.3	1578.9	1555.1	1506.0	1414.9	1287.4	1186.2	1184.2	1194.8	1232.2	1158.8
40°	1732.2	1738.8	1712.5	1671.0	1583.9	1476.1	1349.1	1330.9	1320.3	1364.3	1296.5
42.5°	1891.1	1901.2	1892.1	1850.6	1776.2	1687.2	1560.6	1532.3	1509.5	1564.7	1492.8
45°	2088.5	2100.6	2096.6	2064.7	2007.0	1934.6	1815.2	1782.3	1771.7	1822.8	1737.3
47.5°	2278.2	2291.4	2306.1	2299.0	2258.0	2224.6	2092.0	2073.3	2070.2	2124.9	1992.3
50°	2419.4	2431.6	2487.7	2528.2	2556.0	2549.0	2434.1	2406.3	2401.7	2436.6	2261.5
52.5°	2520.6	2532.3	2609.7	2736.2	2838.4	2894.1	2778.2	2772.1	2747.3	2735.2	2513.5
55°	2599.1	2615.3	2696.7	2888.0	3094.0	3217.4	3145.1	3123.3	3059.6	2989.7	2747.3
57.5°	2614.7	2621.3	2736.2	2994.3	3292.3	3492.2	3492.2	3454.3	3331.3	3234.7	3017.6
60°	2474.1	2494.3	2649.7	2985.7	3377.4	3671.9	3780.2	3753.9	3587.9	3469.0	3277.7
62.5°	2161.8	2184.6	2373.9	2779.7	3292.3	3708.8	3998.3	3994.2	3807.0	3662.8	3493.2
65°	1657.8	1674.5	1839.5	2325.3	2933.0	3566.6	4154.1	4165.3	3980.1	3790.8	3567.6
67.5°	833.0	844.6	1022.7	1588.5	2324.8	3157.2	4143.5	4193.1	4032.7	3723.0	3283.7
70°	291.0	302.6	386.6	681.6	1414.9	2410.8	3785.2	3866.2	3723.5	3178.0	2422.4
72.5°	99.7	105.3	160.4	253.0	550.6	1429.1	2878.4	3000.4	2744.8	2133.5	1392.1
75°	56.7	60.2	86.0	137.1	230.8	470.1	1633.0	1707.9	1600.1	1162.9	572.8
77.5°	38.5	41.5	53.6	77.9	127.5	151.3	666.0	838.5	731.2	379.5	146.2
80°	22.8	24.8	32.9	46.1	65.3	58.7	142.7	189.8	244.4	113.4	44.0
82.5°	10.6	12.1	21.3	30.4	32.9	24.8	42.0	51.1	68.8	55.7	18.2
85°	0.0	0.0	7.1	12.7	12.1	7.1	11.6	12.7	18.7	27.8	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	3.0	5.6	3.0
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°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	566.8	563.2	567.3	565.3	567.3	566.8	562.7	560.2	560.2	555.6	554.1
5°	573.9	570.3	571.3	566.8	565.8	563.2	558.2	556.1	556.1	551.6	550.1
7.5°	589.5	584.0	583.0	573.9	569.8	562.7	553.6	550.1	549.6	545.0	543.5
10°	614.3	607.8	603.2	591.6	579.9	565.8	546.5	530.3	521.2	509.1	508.1
12.5°	644.7	636.6	629.5	611.8	592.6	560.7	504.0	444.8	408.4	379.5	381.6
15°	678.6	671.0	659.9	633.1	593.6	510.6	392.2	301.1	256.6	232.8	231.8
17.5°	715.6	704.4	686.2	649.8	561.7	390.2	255.0	180.2	156.9	148.8	146.8
20°	750.0	736.3	713.5	653.3	469.6	264.2	159.4	139.7	135.6	133.1	133.1
22.5°	786.4	769.2	735.3	626.0	349.2	169.0	135.6	131.1	128.0	124.5	124.0
25°	823.3	801.1	755.0	554.6	228.7	133.1	127.0	122.0	116.4	110.8	109.3
27.5°	854.7	825.9	770.2	448.4	146.8	119.9	115.9	107.3	99.7	93.6	92.6
30°	892.2	855.2	776.8	327.9	115.4	105.8	99.7	90.6	81.5	75.4	73.4
32.5°	942.3	901.8	766.7	213.6	102.2	93.1	83.5	72.9	63.8	57.2	56.2
35°	1020.2	972.1	720.1	136.1	92.6	80.5	68.8	57.7	50.1	45.0	44.0
37.5°	1115.3	1070.8	643.7	102.2	83.0	69.8	56.2	45.5	40.0	36.4	35.4
40°	1256.5	1194.3	549.1	89.6	73.4	59.2	46.1	37.4	33.4	30.4	29.4
42.5°	1439.7	1340.0	440.3	81.5	64.3	49.6	37.4	30.9	27.3	25.3	24.8
45°	1653.8	1482.2	325.4	73.4	55.7	41.0	30.9	25.3	22.8	21.3	20.7
47.5°	1872.9	1606.7	224.7	64.8	47.6	33.9	25.8	21.8	19.7	17.7	17.2
50°	2106.7	1712.0	153.3	56.2	40.5	27.8	22.3	19.7	17.2	15.7	15.2
52.5°	2278.2	1750.9	106.8	48.6	34.4	23.8	19.7	17.7	15.7	13.7	13.2
55°	2436.6	1749.9	81.0	41.0	29.4	20.7	17.7	15.7	13.7	12.1	11.6
57.5°	2594.5	1736.2	63.8	34.9	25.3	18.7	15.7	13.7	12.7	10.6	10.1
60°	2696.7	1684.6	49.6	29.4	21.8	16.2	13.7	12.1	10.6	9.1	8.6
62.5°	2750.9	1612.8	38.0	23.3	17.7	14.2	12.1	10.6	9.1	7.6	7.1
65°	2677.5	1485.2	29.9	18.2	13.7	12.1	10.1	8.6	7.1	5.6	5.1
67.5°	2352.1	1252.5	23.3	14.7	10.6	9.1	8.6	7.1	5.1	4.0	3.5
70°	1662.4	857.7	18.2	11.1	8.1	7.1	6.6	5.6	4.0	3.0	2.5
72.5°	912.4	432.7	13.2	8.1	6.1	5.6	5.1	4.6	3.5	2.5	2.5
75°	351.2	118.9	9.6	5.6	4.0	4.0	3.5	3.5	3.0	2.0	2.0
77.5°	91.6	35.4	6.1	3.5	2.5	2.5	2.5	2.0	2.0	1.5	1.5
80°	29.4	11.6	3.5	2.5	2.0	1.5	1.5	1.0	1.5	1.0	1.0
82.5°	9.6	4.0	2.0	2.0	1.5	1.0	1.0	0.5	0.5	0.0	0.0
85°	3.5	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)