

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: P634227

Luminaire Tested: GWS-SA3B-735-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7726.4 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

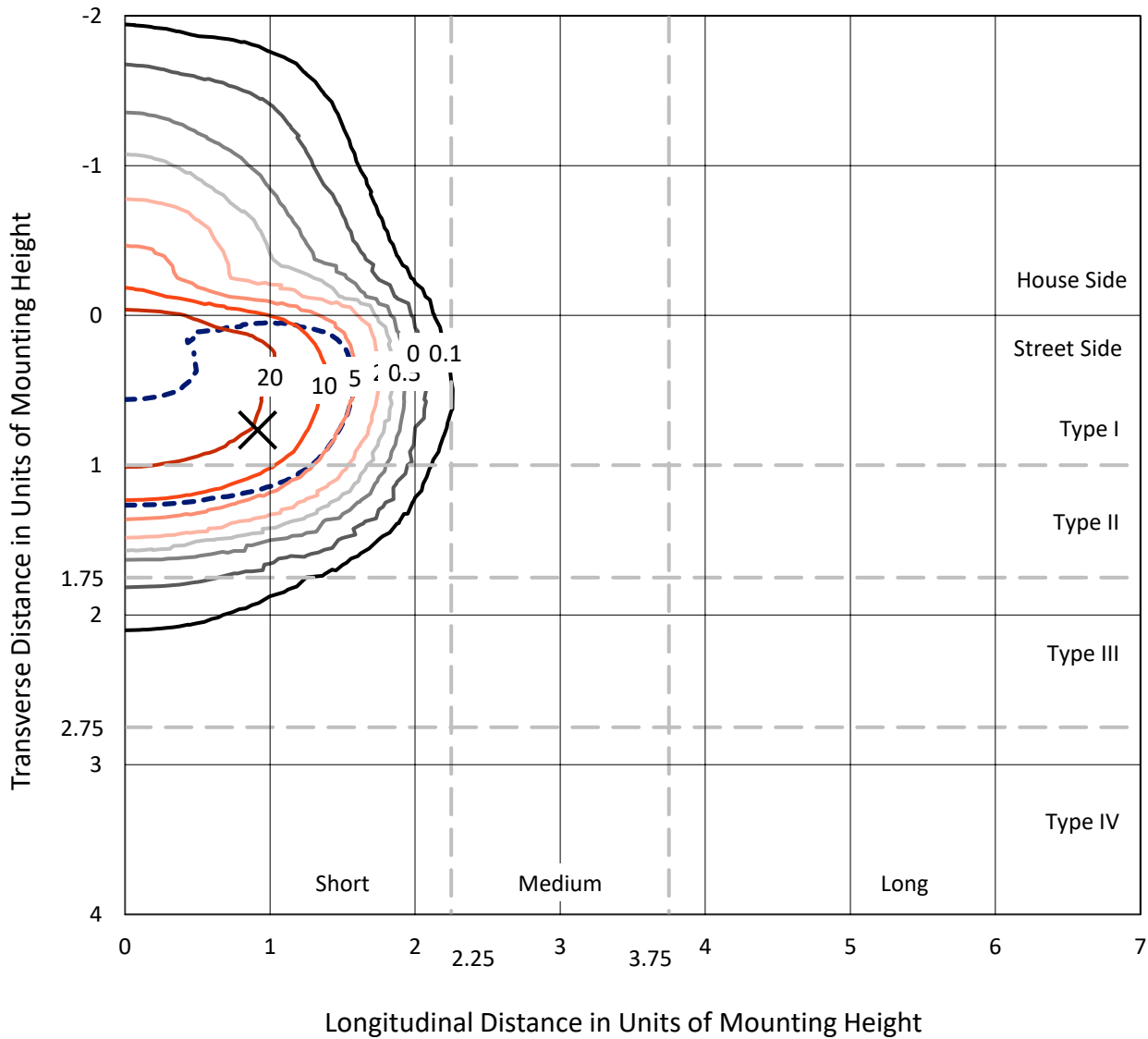
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

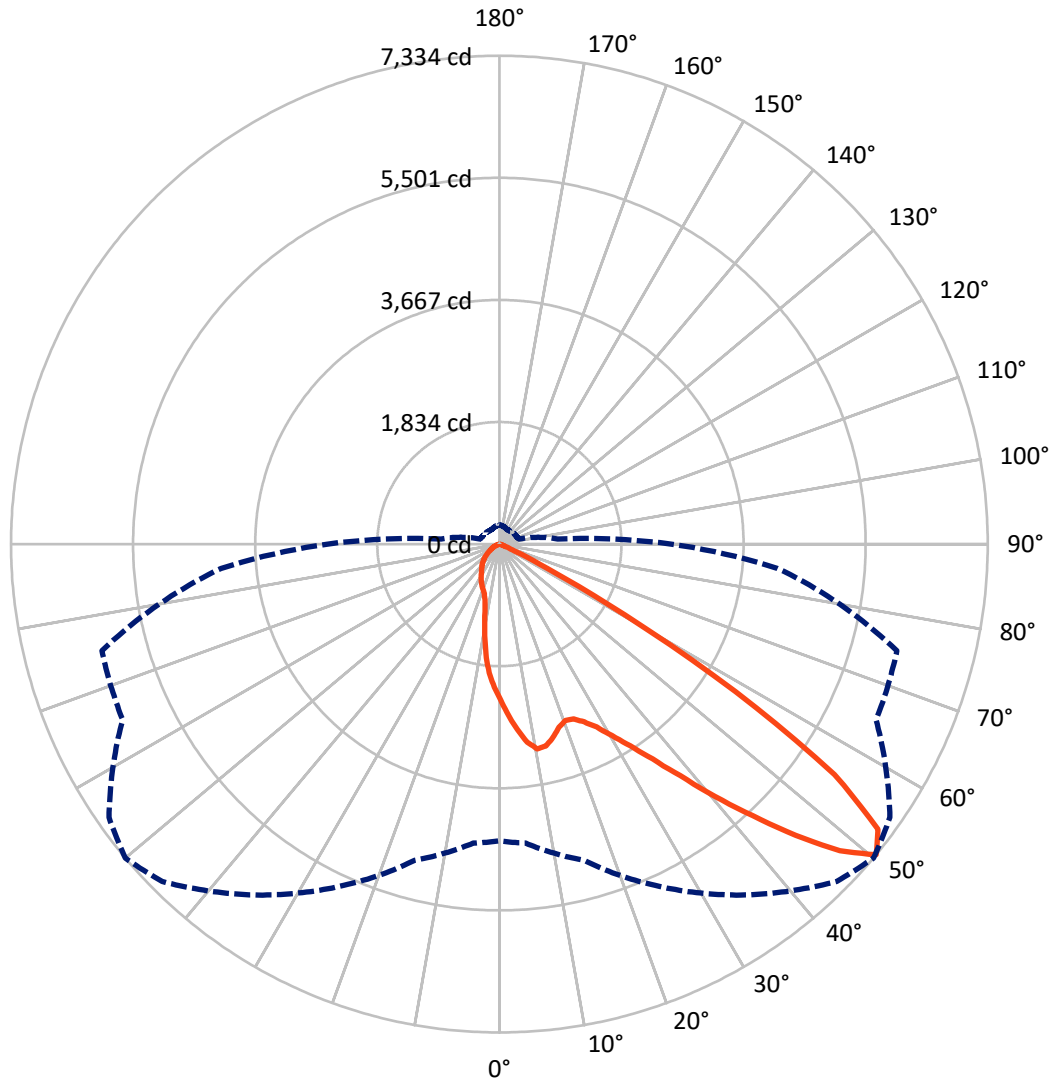
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	992.7	0.0	992.7
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	6733.7	0.0	6733.7
	% Fixture	87.2	0.0	87.2
Total	Lumens	7726.4	0.0	7726.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.1	2.8
10°-20°	560.2	7.3
20°-30°	924.6	12.0
30°-40°	1525.8	19.7
40°-50°	2414.2	31.2
50°-60°	1827.8	23.7
60°-70°	228.8	3.0
70°-80°	25.9	0.3
80°-90°	2.0	0.0
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°	7726.4	100.0
0°-180°	7726.4	100.0

Coefficient of Utilization



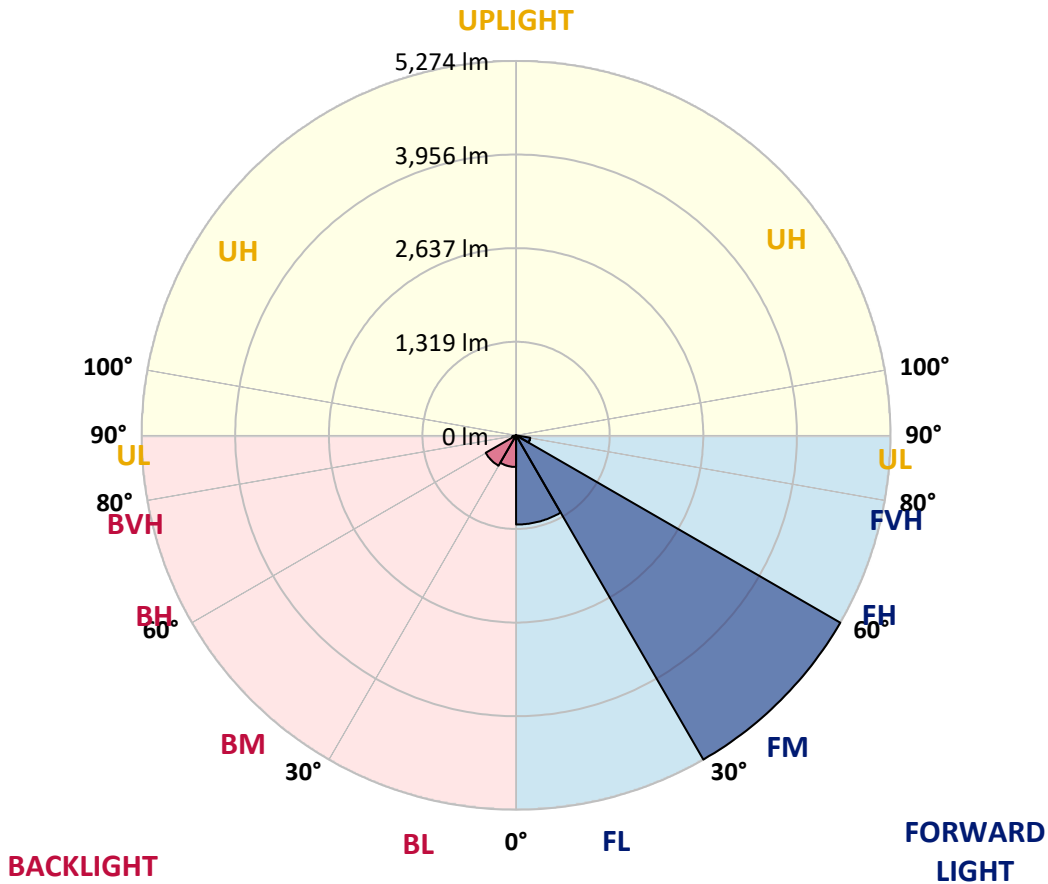
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1256.4	16.3			
FM (30°-60°)	5274.1	68.3			
FH (60°-80°)	202.2	2.6			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	445.6	5.8	B1/500		
BM (30°-60°)	493.7	6.4	B1/1000		
BH (60°-80°)	52.4	0.7	B0/110		G0/110
BVH (80°-90°)	1.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
2.5°	2667.3	2688.6	2682.8	2654.8	2624.7	2603.3	2570.2	2559.9	2484.9	2432.7	2377.6
5°	2989.4	2996.0	2988.7	2954.9	2901.9	2851.2	2796.7	2765.1	2639.4	2526.1	2410.7
7.5°	3066.6	3058.5	3072.5	3089.4	3082.1	3060.0	3002.7	2968.1	2818.1	2633.5	2458.5
10°	2825.4	2807.0	2859.3	2946.8	3038.7	3142.4	3127.7	3130.6	2992.4	2768.8	2521.0
12.5°	2505.5	2498.2	2537.1	2638.6	2818.8	3054.1	3110.8	3205.6	3151.9	2915.1	2592.3
15°	2365.1	2368.7	2392.3	2456.3	2585.7	2878.4	3014.4	3185.8	3294.6	3057.1	2671.0
17.5°	2386.4	2399.6	2398.9	2420.2	2498.9	2733.5	2892.3	3123.3	3404.9	3220.3	2761.4
20°	2531.3	2544.5	2524.6	2508.5	2534.9	2696.7	2828.4	3060.0	3479.2	3385.1	2857.0
22.5°	2748.2	2763.6	2716.6	2670.3	2653.3	2757.0	2852.6	3034.3	3535.8	3535.8	2942.4
25°	3010.7	3032.1	2959.3	2876.9	2829.8	2884.3	2956.3	3092.4	3593.9	3671.1	3000.4
27.5°	3304.2	3304.9	3242.4	3149.7	3061.5	3068.1	3111.5	3223.3	3657.9	3816.7	3046.0
30°	3634.4	3636.6	3553.5	3442.4	3331.4	3301.2	3338.0	3422.6	3791.0	3999.9	3109.3
32.5°	4060.9	4071.2	3952.1	3788.8	3644.7	3588.0	3609.4	3698.3	4002.8	4229.3	3204.2
35°	4637.5	4648.5	4472.7	4257.3	4027.8	3942.5	3963.8	4053.5	4309.5	4555.1	3355.7
37.5°	5206.7	5221.4	5043.4	4842.6	4527.9	4386.7	4408.7	4494.1	4769.8	5005.2	3598.3
40°	5600.1	5620.0	5564.8	5429.5	5137.5	4952.2	4978.7	5009.6	5276.5	5543.5	3913.1
42.5°	5807.5	5835.4	5859.0	5928.1	5774.4	5619.2	5574.4	5576.6	5792.0	6092.1	4240.3
45°	5820.0	5847.2	5967.8	6234.8	6351.7	6319.3	6237.7	6182.5	6185.5	6457.6	4444.8
47.5°	5415.5	5466.3	5692.0	6214.9	6654.7	6923.1	6881.9	6751.0	6351.0	6481.9	4422.7
50°	4457.3	4507.3	4917.6	5670.0	6434.1	7164.3	7334.2	7158.4	6242.8	6179.6	4195.5
52.5°	3237.2	3242.4	3508.6	4387.4	5539.8	6719.4	7119.4	7102.5	6078.1	5813.4	3885.1
55°	1537.7	1519.3	1818.7	2476.1	3831.5	5434.6	6109.0	6300.2	5844.3	5548.6	3644.7
57.5°	447.9	456.7	589.8	966.3	1916.5	3473.3	4183.7	4539.7	4797.0	4561.7	2826.9
60°	200.8	201.5	224.3	294.2	638.3	1615.7	2162.8	2603.3	2868.1	2657.8	1402.4
62.5°	145.6	146.3	155.2	166.2	216.9	547.1	811.2	1081.0	1100.9	720.7	355.2
65°	121.3	121.3	122.8	122.8	130.2	195.6	246.4	317.7	267.7	198.6	139.0
67.5°	97.8	98.5	100.0	100.0	97.8	97.8	105.9	116.2	124.3	153.7	128.0
70°	76.5	75.7	75.7	76.5	74.3	63.2	68.4	78.0	85.3	119.9	111.0
72.5°	59.6	60.3	59.6	56.6	51.5	37.5	40.4	50.7	54.4	75.0	75.0
75°	44.9	45.6	42.7	32.4	21.3	11.8	15.4	25.0	31.6	36.8	27.2
77.5°	5.9	5.9	4.4	4.4	3.7	4.4	4.4	5.9	8.8	8.8	6.6
80°	0.7	0.7	0.7	1.5	2.2	2.9	2.9	2.9	2.9	3.7	3.7
82.5°	0.7	0.7	0.7	0.7	2.2	2.2	2.9	2.9	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.7	1.5	2.2	2.2	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.7	1.5	2.2	2.2	2.2	2.9	2.9	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°	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
2.5°	2344.5	2301.8	2250.3	2215.0	2165.0	2131.9	2084.9	2053.2	2026.0	2004.7	2016.5
5°	2345.2	2277.5	2172.4	2082.7	1984.9	1895.1	1798.8	1723.1	1654.7	1623.8	1640.7
7.5°	2359.9	2262.8	2101.8	1942.2	1754.7	1569.4	1395.8	1254.6	1184.7	1151.6	1161.9
10°	2388.6	2256.2	2023.1	1758.4	1453.9	1200.9	1032.5	936.9	897.9	877.3	881.0
12.5°	2415.1	2251.8	1920.9	1516.4	1147.2	931.8	844.2	831.0	839.1	839.8	839.1
15°	2451.1	2243.7	1794.4	1267.8	917.8	805.3	807.5	826.6	845.7	851.6	850.1
17.5°	2489.3	2231.2	1631.1	1029.6	778.8	768.5	794.2	820.0	839.1	842.0	842.8
20°	2529.1	2205.5	1445.1	840.6	714.1	740.6	769.2	788.4	802.3	806.7	808.2
22.5°	2547.4	2151.1	1230.3	705.3	670.7	706.0	727.3	752.3	756.7	740.6	743.5
25°	2537.9	2059.1	1020.7	614.1	627.3	662.6	694.2	681.7	663.3	651.6	655.2
27.5°	2507.7	1937.1	815.6	547.1	581.0	625.8	629.5	615.5	612.6	603.0	606.0
30°	2475.4	1796.6	656.0	493.5	533.9	581.0	569.9	575.1	575.8	564.8	568.5
32.5°	2455.5	1649.5	522.1	457.4	503.8	512.6	534.6	544.9	545.7	519.9	524.3
35°	2462.1	1504.6	442.0	428.0	475.8	473.6	504.5	510.4	467.7	432.4	436.1
37.5°	2515.8	1370.8	396.4	405.2	427.3	444.2	467.7	428.7	419.2	403.0	405.2
40°	2615.8	1256.8	369.2	391.2	394.2	421.4	385.4	390.5	391.2	380.9	383.1
42.5°	2732.8	1161.9	353.0	383.1	375.8	380.2	344.2	354.5	365.5	361.1	361.8
45°	2791.6	1069.3	339.0	355.2	357.4	315.5	307.4	318.4	332.4	334.6	335.3
47.5°	2739.4	981.0	324.3	314.8	329.5	287.5	278.0	281.7	297.8	306.7	308.1
50°	2579.8	879.5	302.3	278.7	270.6	258.1	249.3	250.0	268.4	283.9	286.8
52.5°	2355.5	773.6	266.2	236.1	217.7	227.2	229.4	225.0	241.9	257.4	260.3
55°	2137.8	641.3	211.1	191.9	175.0	195.6	201.5	195.6	200.8	211.1	211.8
57.5°	1505.4	362.6	161.8	158.8	144.9	167.7	177.2	168.4	159.6	166.2	167.7
60°	697.9	189.7	124.3	124.3	120.6	144.1	160.3	147.8	130.9	133.8	136.0
62.5°	218.4	119.9	91.2	86.0	98.5	122.8	136.0	123.5	103.7	103.7	106.6
65°	123.5	103.0	72.1	66.2	80.2	98.5	106.6	93.4	75.7	74.3	74.3
67.5°	114.7	97.8	64.0	53.7	56.6	63.2	66.2	57.4	52.2	51.5	52.2
70°	94.9	81.6	51.5	36.8	34.6	33.8	35.3	33.1	31.6	32.4	34.6
72.5°	58.8	49.3	32.4	22.1	19.1	18.4	18.4	18.4	17.6	17.6	17.6
75°	21.3	18.4	14.7	11.0	9.6	8.8	8.8	9.6	8.8	8.1	7.4
77.5°	6.6	5.9	5.9	5.9	5.1	4.4	3.7	3.7	2.9	2.2	2.2
80°	3.7	3.7	3.7	3.7	2.9	2.9	2.2	1.5	0.7	0.7	0.0
82.5°	3.7	3.7	3.7	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.2	1.5	0.7	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)