

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: P631890

Luminaire Tested: GWS-SA2B-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5287.9 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

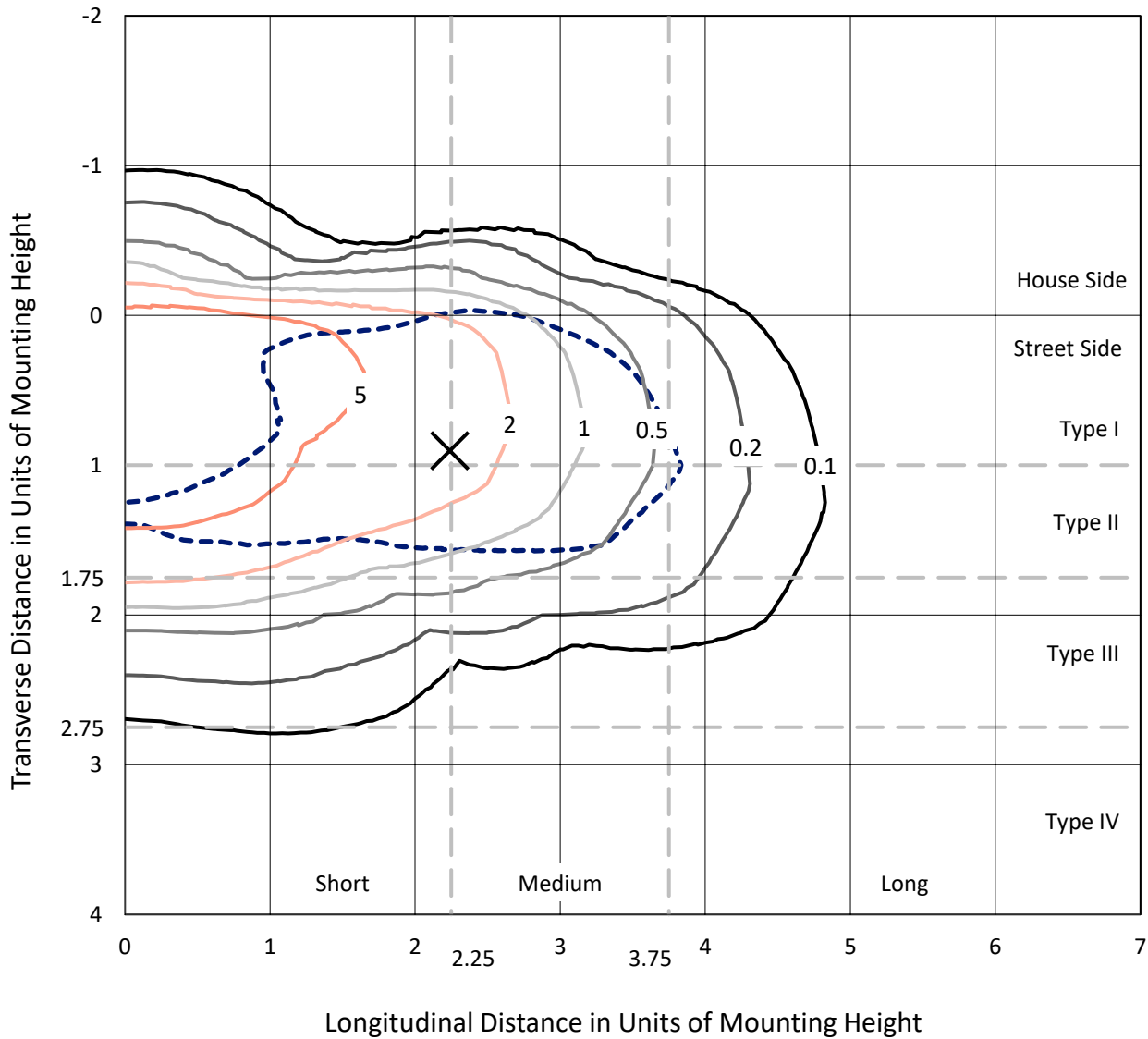
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

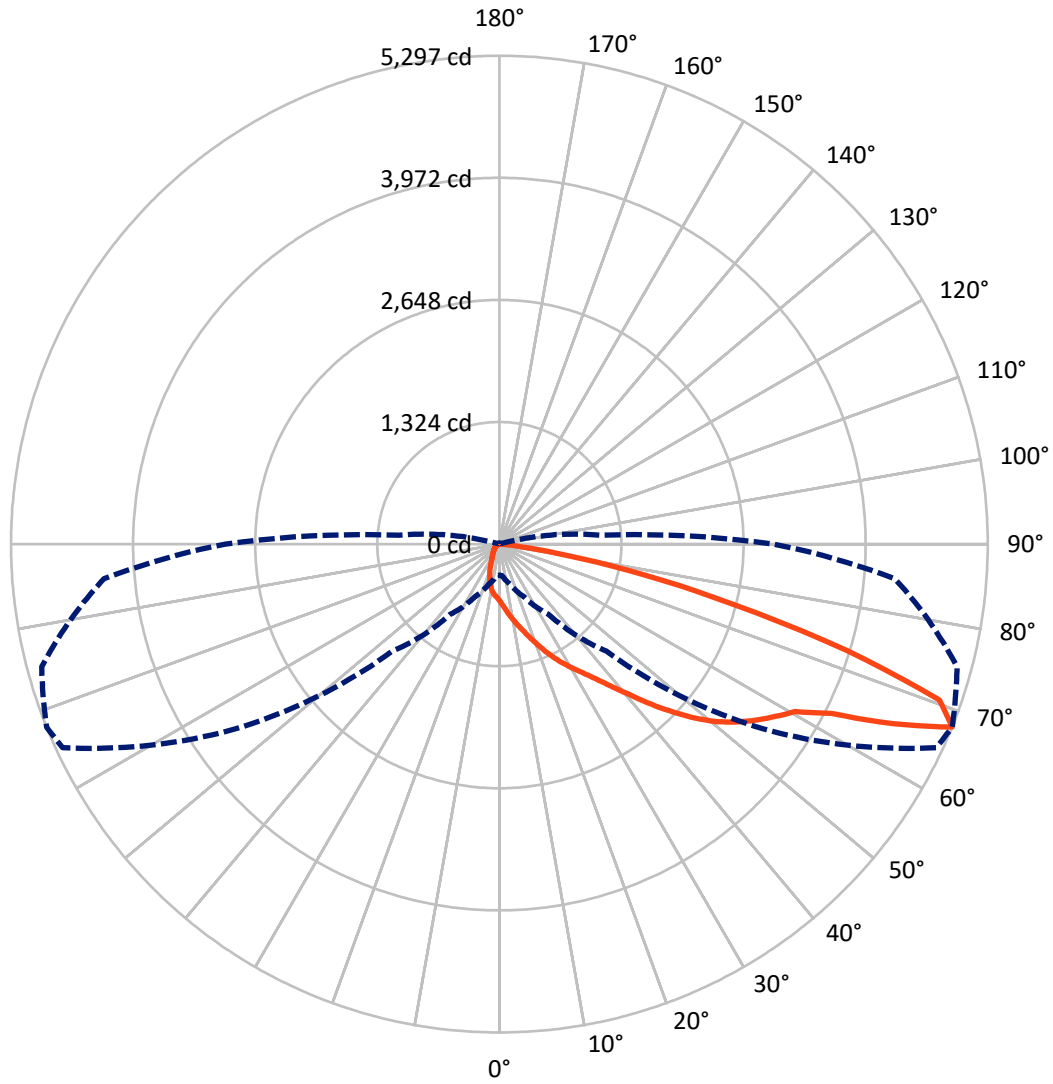
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	381.8	0.0	381.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4906.0	0.0	4906.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	5287.9	0.0	5287.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.1
10°-20°	172.4	3.3
20°-30°	296.2	5.6
30°-40°	515.0	9.7
40°-50°	898.6	17.0
50°-60°	1355.3	25.6
60°-70°	1359.0	25.7
70°-80°	599.6	11.3
80°-90°	32.0	0.6
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°	5287.9	100.0
0°-180°	5287.9	100.0

Coefficient of Utilization



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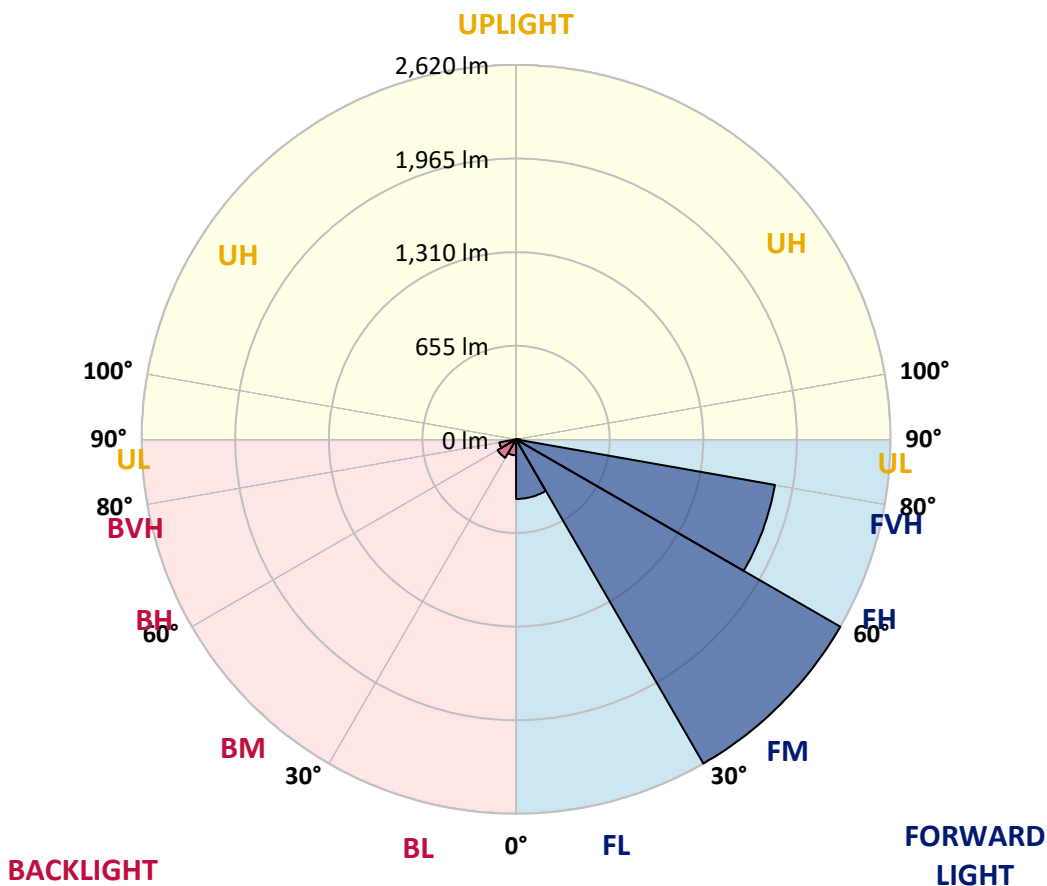
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.8	7.9			
FM (30°-60°)	2619.6	49.5			
FH (60°-80°)	1839.4	34.8			G2/5000
FVH (80°-90°)	30.2	0.6			G1/100
BL (0°-30°)	111.7	2.1	B1/500		
BM (30°-60°)	149.2	2.8	B0/220		
BH (60°-80°)	119.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4
2.5°	716.6	721.1	716.6	717.6	704.4	698.4	685.2	667.0	662.4	650.8	633.1
5°	804.1	808.2	803.6	802.6	787.4	776.3	754.5	723.2	714.1	691.3	656.4
7.5°	851.7	854.2	855.8	858.3	852.7	843.6	823.9	784.9	775.3	738.4	689.3
10°	856.8	858.8	866.4	881.6	892.7	898.3	887.1	851.2	836.0	800.1	729.7
12.5°	842.6	845.6	857.8	883.1	914.0	942.3	949.4	918.0	904.3	858.3	777.3
15°	823.9	826.4	843.1	877.5	924.1	976.2	1005.6	991.9	976.7	928.6	829.9
17.5°	795.0	798.6	821.9	868.4	928.6	1003.0	1066.3	1070.8	1060.2	1008.1	888.1
20°	778.8	781.4	802.1	850.2	925.6	1022.8	1123.0	1166.0	1154.3	1099.7	954.9
22.5°	792.5	794.5	808.2	845.6	915.5	1033.9	1175.6	1261.1	1254.5	1197.9	1025.3
25°	864.4	870.9	862.8	869.4	920.0	1040.0	1218.1	1356.3	1357.8	1300.6	1098.2
27.5°	1010.1	1001.5	982.3	949.4	955.5	1056.2	1254.5	1445.8	1459.0	1400.8	1162.9
30°	1158.4	1153.3	1141.7	1090.6	1048.1	1092.1	1285.4	1537.4	1558.2	1499.5	1220.6
32.5°	1324.9	1329.9	1309.2	1248.0	1175.6	1165.0	1317.3	1624.5	1663.4	1611.3	1288.4
35°	1523.8	1525.3	1484.3	1416.5	1334.5	1285.4	1374.5	1720.6	1792.5	1754.0	1379.0
37.5°	1717.6	1726.7	1704.4	1597.7	1524.8	1435.2	1469.1	1844.1	1945.3	1930.1	1492.9
40°	1889.1	1903.3	1896.2	1793.0	1697.3	1621.9	1615.9	1988.8	2130.0	2147.2	1643.2
42.5°	2025.8	2034.9	2040.5	1967.1	1882.6	1840.1	1797.0	2156.9	2348.1	2418.5	1827.4
45°	2170.0	2173.1	2184.7	2135.1	2061.2	2064.8	2011.1	2360.8	2577.9	2719.1	2038.9
47.5°	2353.7	2363.8	2358.3	2306.1	2239.3	2279.3	2232.3	2570.8	2804.6	3039.9	2255.5
50°	2577.4	2588.0	2583.0	2522.2	2447.8	2464.5	2435.2	2774.8	3023.2	3342.6	2435.7
52.5°	2692.8	2701.4	2764.1	2791.5	2752.5	2646.2	2608.3	2999.0	3208.0	3591.6	2601.2
55°	2637.1	2643.2	2779.8	2895.2	3037.9	2931.6	2782.4	3172.0	3370.9	3785.9	2724.2
57.5°	2406.3	2439.2	2625.0	2820.3	3120.4	3213.5	3064.7	3360.3	3527.8	3921.0	2845.1
60°	1933.2	1931.7	2197.8	2548.6	2959.5	3291.0	3463.5	3614.8	3685.2	4024.7	3007.0
62.5°	1068.3	1077.9	1432.2	1894.2	2512.1	3090.5	3762.6	4054.6	4044.0	4205.9	3260.6
65°	531.9	551.1	743.4	1085.0	1671.5	2554.1	3814.2	4725.7	4695.3	4632.5	3784.4
67.5°	337.5	345.1	451.4	630.6	929.1	1641.7	3492.9	5226.2	5296.5	5138.6	4304.1
70°	218.6	231.3	313.8	431.2	560.7	846.1	2558.7	4901.8	5063.2	5082.9	3980.2
72.5°	118.9	128.0	200.4	307.7	404.9	423.1	1437.2	3678.6	3938.2	4311.7	3113.8
75°	67.8	74.4	109.8	209.0	297.1	257.6	637.1	2462.5	2628.0	3081.4	2231.2
77.5°	41.0	46.6	61.7	101.7	186.2	172.1	240.9	1499.0	1604.2	1838.5	1171.0
80°	18.7	22.3	39.0	56.2	101.7	81.5	92.1	698.9	721.7	754.5	387.6
82.5°	8.6	10.1	17.7	33.4	57.7	47.1	35.4	161.4	227.2	215.1	98.7
85°	1.0	1.0	6.6	13.7	16.2	12.1	14.7	36.4	46.1	64.8	28.3
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	3.0	4.6	6.6	10.6	7.1
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°	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4
2.5°	625.0	610.8	598.2	579.4	566.8	552.6	543.0	531.4	526.8	523.3	518.2
5°	639.2	616.4	585.5	551.1	522.8	495.9	471.1	455.0	440.8	438.8	431.7
7.5°	662.4	628.5	576.4	520.2	472.2	427.6	392.7	364.4	350.2	345.6	337.5
10°	693.3	646.8	562.7	476.7	407.4	354.2	314.8	282.9	260.6	252.5	246.5
12.5°	727.7	663.5	541.0	423.1	344.1	283.4	233.3	199.4	185.2	180.2	175.6
15°	767.2	679.1	506.6	369.4	282.4	208.5	173.1	158.4	152.3	150.8	149.3
17.5°	805.2	689.3	465.6	313.8	217.1	161.9	145.2	139.7	138.2	136.6	135.6
20°	848.2	696.3	417.5	261.1	168.5	137.1	129.0	125.0	122.0	118.9	118.4
22.5°	892.2	696.3	365.4	209.5	141.2	123.0	113.9	106.3	100.7	97.7	96.7
25°	934.2	686.7	313.8	167.5	124.5	109.3	97.7	89.1	81.5	77.9	76.9
27.5°	964.1	661.9	268.7	141.7	112.9	97.2	83.0	73.4	67.3	63.8	63.3
30°	982.8	625.0	227.2	126.5	102.7	84.5	70.3	62.2	57.7	55.2	54.1
32.5°	997.0	579.4	190.3	115.9	93.1	73.4	61.2	54.7	50.6	48.6	48.1
35°	1025.3	536.4	163.0	106.3	83.0	64.3	53.6	48.6	45.5	43.0	42.5
37.5°	1064.8	500.5	141.2	97.7	73.4	57.2	48.6	44.0	41.5	39.0	38.5
40°	1123.0	477.7	125.0	89.1	64.8	51.6	44.5	40.5	36.9	34.4	33.9
42.5°	1212.5	467.1	114.4	80.5	57.2	46.6	41.0	35.9	32.4	29.9	29.4
45°	1319.3	472.7	105.3	71.9	52.1	43.0	36.4	31.4	27.8	25.3	24.8
47.5°	1433.7	492.4	97.7	63.8	47.1	39.5	32.4	26.8	23.8	21.3	20.7
50°	1553.1	524.8	91.1	56.2	43.0	35.4	27.8	23.3	20.2	18.2	17.7
52.5°	1656.9	568.8	84.5	50.6	39.5	31.4	24.3	20.2	17.2	15.2	14.7
55°	1756.1	610.3	79.5	45.5	35.4	27.3	21.3	17.2	14.7	12.7	12.1
57.5°	1863.8	654.3	73.4	41.0	31.9	24.3	18.7	14.7	12.7	10.6	10.1
60°	2020.7	719.6	64.3	37.4	27.8	21.3	16.2	13.2	11.1	8.6	8.1
62.5°	2246.9	838.6	54.1	32.4	23.8	18.2	13.7	11.1	9.1	7.1	6.1
65°	2670.0	1041.0	44.5	26.8	19.2	15.2	11.6	9.1	7.1	5.1	4.6
67.5°	2974.7	1093.6	35.9	21.8	15.7	11.6	9.6	7.1	5.1	3.5	3.0
70°	2600.7	785.4	27.8	17.7	13.2	9.1	7.6	5.6	3.5	2.5	2.0
72.5°	1959.5	513.2	20.7	13.7	10.1	7.6	5.6	4.6	3.0	2.0	1.5
75°	1381.1	296.6	15.2	10.1	7.1	5.6	4.6	3.5	2.5	1.5	1.5
77.5°	708.0	122.5	10.6	7.1	5.1	3.5	3.0	2.0	2.0	1.5	1.0
80°	215.1	40.5	6.1	4.6	3.5	2.5	1.5	1.5	1.5	1.0	0.5
82.5°	49.1	13.2	3.5	3.5	2.5	2.0	1.5	0.5	0.5	0.0	0.0
85°	12.7	4.0	3.0	2.5	2.5	2.0	1.0	0.5	0.0	0.0	0.0
87.5°	4.6	2.5	2.5	2.5	2.0	1.5	1.0	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)