

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: P632937

Luminaire Tested: GWS-SA2D-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7896.7 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

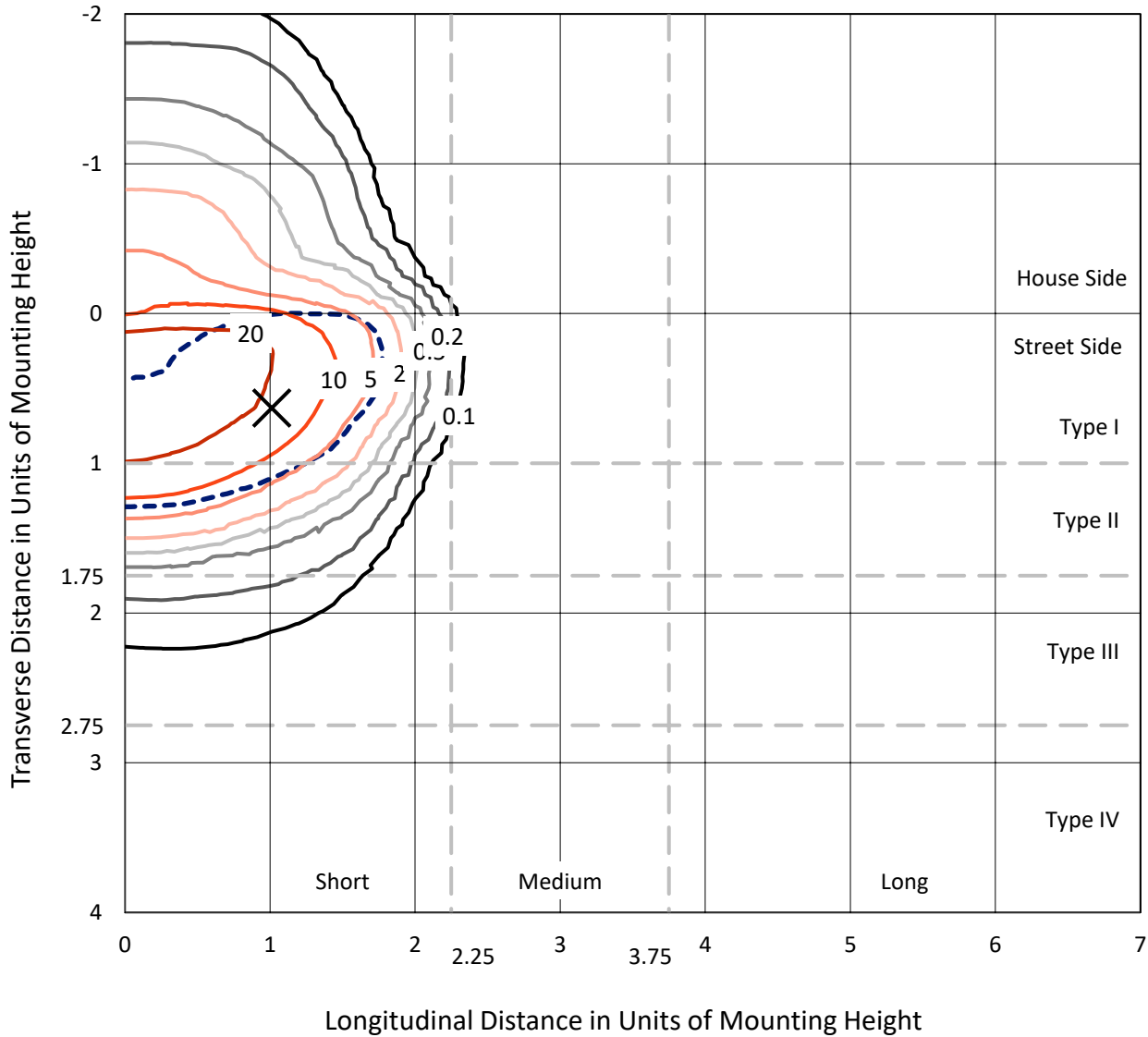
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

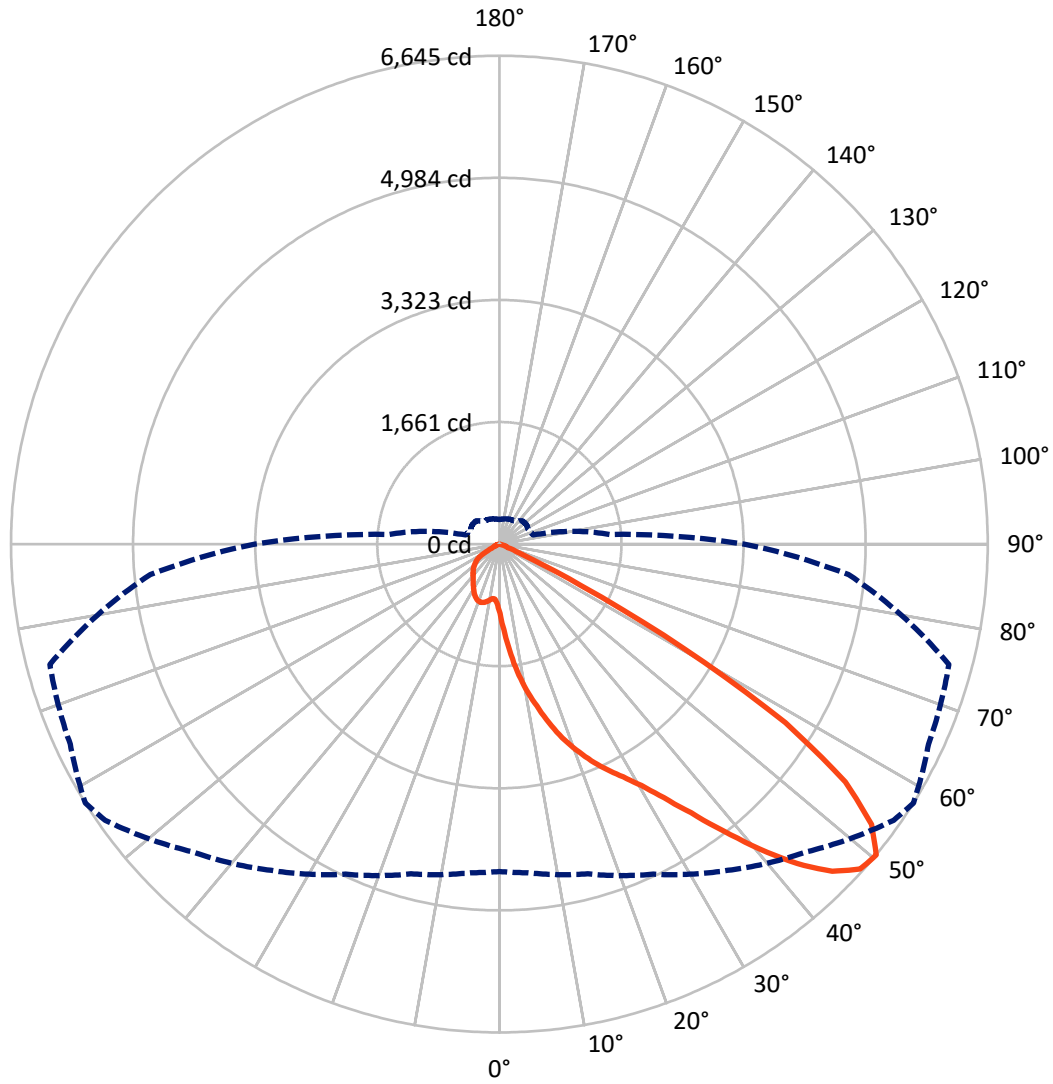
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1106.0	0.0	1106.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	6790.7	0.0	6790.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	7896.7	0.0	7896.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	1.5
10°-20°	462.6	5.9
20°-30°	936.1	11.9
30°-40°	1656.0	21.0
40°-50°	2414.1	30.6
50°-60°	1935.0	24.5
60°-70°	348.6	4.4
70°-80°	27.5	0.3
80°-90°	0.0	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°	7896.7	100.0
0°-180°	7896.7	100.0

Coefficient of Utilization



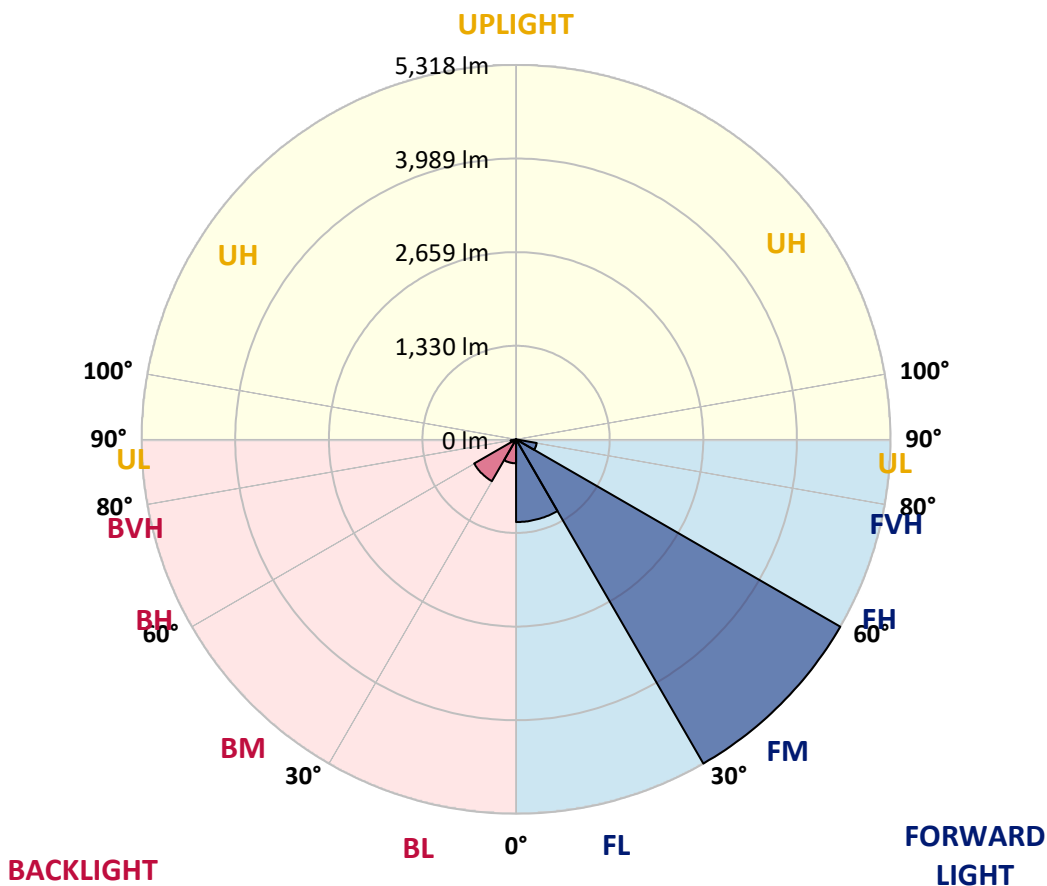
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1175.0	14.9			
FM (30°-60°)	5318.2	67.3			
FH (60°-80°)	297.5	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	340.5	4.3	B1/500		
BM (30°-60°)	686.9	8.7	B1/1000		
BH (60°-80°)	78.6	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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°	55°	58°	65°	75°	85°
0°	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2
2.5°	1395.9	1373.9	1361.2	1351.1	1306.4	1235.4	1189.0	1164.5	1124.0	1055.6	996.4
5°	1821.5	1805.4	1775.9	1755.6	1698.2	1597.7	1493.8	1452.4	1360.4	1205.9	1067.4
7.5°	2103.5	2091.7	2080.7	2053.7	1999.7	1908.5	1793.6	1750.5	1608.7	1389.1	1162.0
10°	2320.5	2311.3	2298.6	2297.7	2255.5	2173.6	2061.3	2016.5	1862.8	1588.4	1273.4
12.5°	2511.4	2503.8	2501.3	2524.9	2497.9	2437.1	2315.5	2259.7	2096.8	1791.9	1396.7
15°	2642.3	2640.6	2651.6	2698.0	2713.2	2685.3	2583.2	2523.2	2335.7	1996.3	1532.7
17.5°	2702.2	2707.3	2728.4	2808.6	2876.2	2899.8	2821.3	2770.6	2573.0	2203.2	1677.9
20°	2804.4	2802.7	2815.4	2891.4	2974.1	3058.6	3034.9	2991.9	2812.9	2421.9	1839.2
22.5°	3092.4	3067.9	3040.9	3052.7	3082.2	3181.0	3224.9	3203.0	3060.3	2646.5	2005.6
25°	3534.9	3509.5	3422.5	3338.1	3282.4	3327.1	3387.1	3398.1	3306.0	2877.0	2179.5
27.5°	4004.4	3981.6	3883.6	3756.9	3597.3	3519.7	3564.4	3586.4	3547.5	3151.5	2364.5
30°	4444.3	4413.9	4306.7	4149.6	3964.7	3845.6	3794.9	3810.1	3832.9	3476.6	2581.5
32.5°	4826.0	4803.2	4674.9	4509.3	4331.2	4207.0	4088.8	4114.1	4169.9	3874.3	2859.3
35°	5149.4	5137.6	5001.7	4837.0	4648.7	4585.3	4484.0	4489.1	4544.8	4354.8	3197.9
37.5°	5430.6	5410.4	5287.1	5134.2	4984.8	4974.6	4946.8	4949.3	4978.0	4914.7	3587.2
40°	5608.0	5589.4	5501.6	5407.0	5300.6	5302.3	5446.7	5457.7	5424.7	5464.4	3998.5
42.5°	5674.7	5661.2	5613.9	5614.7	5603.8	5653.6	5924.6	5944.9	5826.7	5895.9	4349.7
45°	5559.0	5553.1	5556.5	5678.1	5809.8	5963.5	6315.6	6351.1	6183.9	6182.2	4624.2
47.5°	5185.7	5173.9	5272.7	5479.6	5784.5	6083.4	6552.1	6607.0	6433.8	6346.0	4796.5
50°	4454.5	4488.2	4644.5	4955.2	5418.8	5918.7	6549.5	6645.0	6443.1	6331.7	4767.7
52.5°	3226.6	3219.9	3561.9	3989.2	4553.3	5391.8	6201.6	6341.0	6217.7	6190.6	4703.6
55°	1755.6	1817.2	2047.8	2613.6	3317.8	4394.5	5407.0	5711.0	5853.7	6139.1	4819.3
57.5°	645.2	672.2	816.6	1216.8	1756.4	2732.6	4130.2	4588.7	5029.5	5995.6	4799.8
60°	260.1	265.2	322.6	447.6	738.0	1390.8	2477.6	2884.6	3300.1	4589.6	3683.5
62.5°	189.2	195.9	218.7	261.8	373.2	608.0	1068.2	1242.2	1357.9	2273.3	1814.7
65°	152.8	157.9	176.5	195.9	246.6	326.8	344.5	331.9	330.2	587.7	416.3
67.5°	126.7	131.7	145.2	158.8	177.3	163.0	118.2	124.1	101.3	100.5	81.9
70°	92.9	98.8	112.3	126.7	106.4	43.9	68.4	101.3	76.8	64.2	62.5
72.5°	70.1	74.3	87.0	82.8	31.2	16.9	45.6	73.5	59.1	47.3	46.4
75°	52.4	54.9	43.9	13.5	3.4	4.2	16.9	30.4	32.9	27.0	27.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.5	3.4	4.2	5.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2	943.2
2.5°	962.7	927.2	876.5	834.3	802.2	771.0	747.3	723.7	722.8	711.0	708.5
5°	1003.2	939.0	846.1	779.4	738.9	714.4	697.5	689.1	684.8	680.6	678.9
7.5°	1061.5	969.4	841.1	770.1	736.4	720.3	708.5	703.4	700.9	697.5	696.7
10°	1133.2	1013.3	859.6	787.9	758.3	743.1	730.4	722.8	718.6	712.7	711.0
12.5°	1219.4	1067.4	889.2	817.4	786.2	765.9	749.0	738.0	732.1	724.5	722.8
15°	1312.3	1125.6	922.1	844.4	807.3	781.1	760.0	743.1	732.1	722.8	720.3
17.5°	1408.5	1184.8	951.7	863.0	817.4	786.2	755.8	733.0	719.5	707.6	704.3
20°	1516.6	1245.6	971.1	866.4	814.0	772.7	737.2	708.5	695.0	678.9	675.6
22.5°	1629.8	1302.1	979.6	858.8	795.5	747.3	709.3	679.8	660.4	643.5	638.4
25°	1739.6	1352.8	975.3	837.7	767.6	711.9	673.0	642.6	621.5	604.6	600.4
27.5°	1856.1	1395.0	960.1	806.4	729.6	673.0	635.9	609.7	590.3	571.7	567.5
30°	1987.0	1433.9	935.6	768.4	684.8	633.3	604.6	586.9	565.8	546.4	540.4
32.5°	2144.9	1468.5	900.2	722.8	645.2	598.7	582.7	569.2	544.7	524.4	520.2
35°	2325.6	1497.2	855.4	675.6	606.3	576.8	573.4	555.6	523.6	499.9	494.8
37.5°	2535.0	1525.1	802.2	629.1	577.6	566.6	567.5	537.1	498.2	469.5	466.1
40°	2760.5	1552.9	743.1	588.6	551.4	560.7	553.1	510.0	446.7	418.8	415.5
42.5°	2995.3	1583.3	683.2	550.6	529.5	537.9	526.9	456.0	410.4	396.0	394.4
45°	3207.2	1619.6	618.1	512.6	507.5	505.0	486.4	412.9	393.5	383.4	382.5
47.5°	3360.1	1613.7	548.9	476.3	483.9	475.4	418.8	392.7	376.6	363.1	359.7
50°	3332.2	1510.7	477.1	435.7	453.5	445.9	376.6	369.0	354.7	340.3	335.2
52.5°	3261.3	1370.5	414.6	392.7	420.5	402.8	347.9	340.3	327.6	309.1	303.2
55°	3299.3	1238.8	365.6	358.0	386.8	333.6	315.8	304.0	290.5	270.2	267.7
57.5°	3176.8	1010.8	293.9	298.9	342.0	284.6	277.0	258.4	235.6	222.1	220.4
60°	2198.9	543.0	184.1	190.0	247.4	239.0	248.3	231.4	203.5	190.8	188.3
62.5°	1010.0	217.9	100.5	96.3	130.0	162.1	212.8	211.1	176.5	156.2	154.5
65°	244.9	99.6	71.8	67.6	73.5	97.1	138.5	166.4	142.7	119.1	116.5
67.5°	79.4	81.1	65.9	61.6	65.0	72.6	82.8	92.0	91.2	83.6	81.9
70°	63.3	73.5	60.8	55.7	55.7	58.3	55.7	44.8	38.8	42.2	43.9
72.5°	47.3	55.7	48.1	43.1	41.4	40.5	34.6	25.3	17.7	16.0	15.2
75°	27.9	31.2	29.6	25.3	23.6	21.1	16.9	11.0	5.9	4.2	2.5
77.5°	5.1	5.9	6.8	5.1	4.2	3.4	2.5	0.8	0.0	0.0	0.0
80°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)