

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: P630113

Luminaire Tested: GWS-SA1D-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-722-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

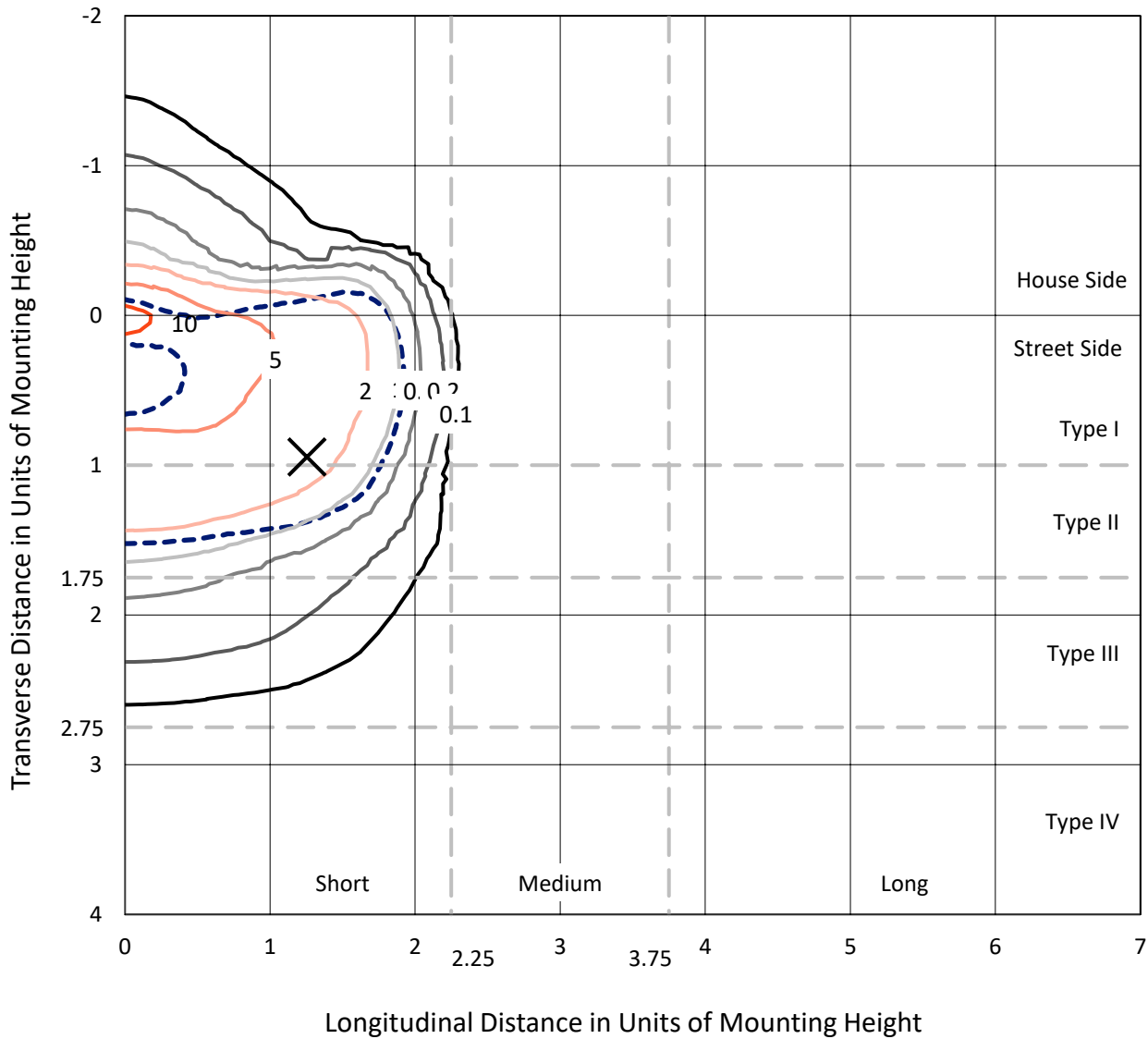
Lumens per Lamp: N/A  
Luminaire Lumens: 2612.5 lumens  
Efficiency: N/A  
Efficacy: 59.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

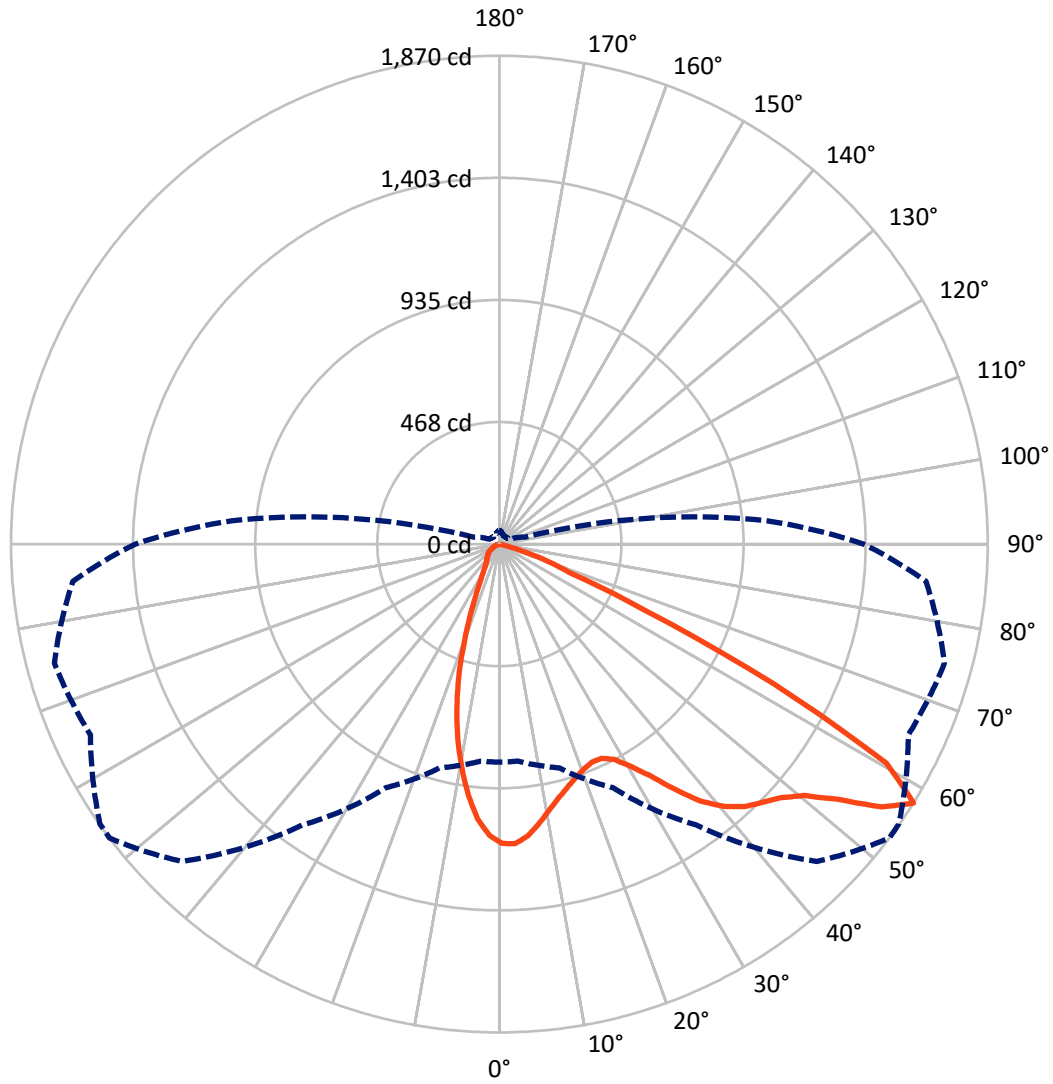
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	431.5	0.0	431.5
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2180.9	0.0	2180.9
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2612.5	0.0	2612.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.0	3.8
10°-20°	215.3	8.2
20°-30°	280.4	10.7
30°-40°	406.8	15.6
40°-50°	586.9	22.5
50°-60°	709.8	27.2
60°-70°	289.3	11.1
70°-80°	26.0	1.0
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°	2612.5	100.0
0°-180°	2612.5	100.0

**Coefficient of Utilization**



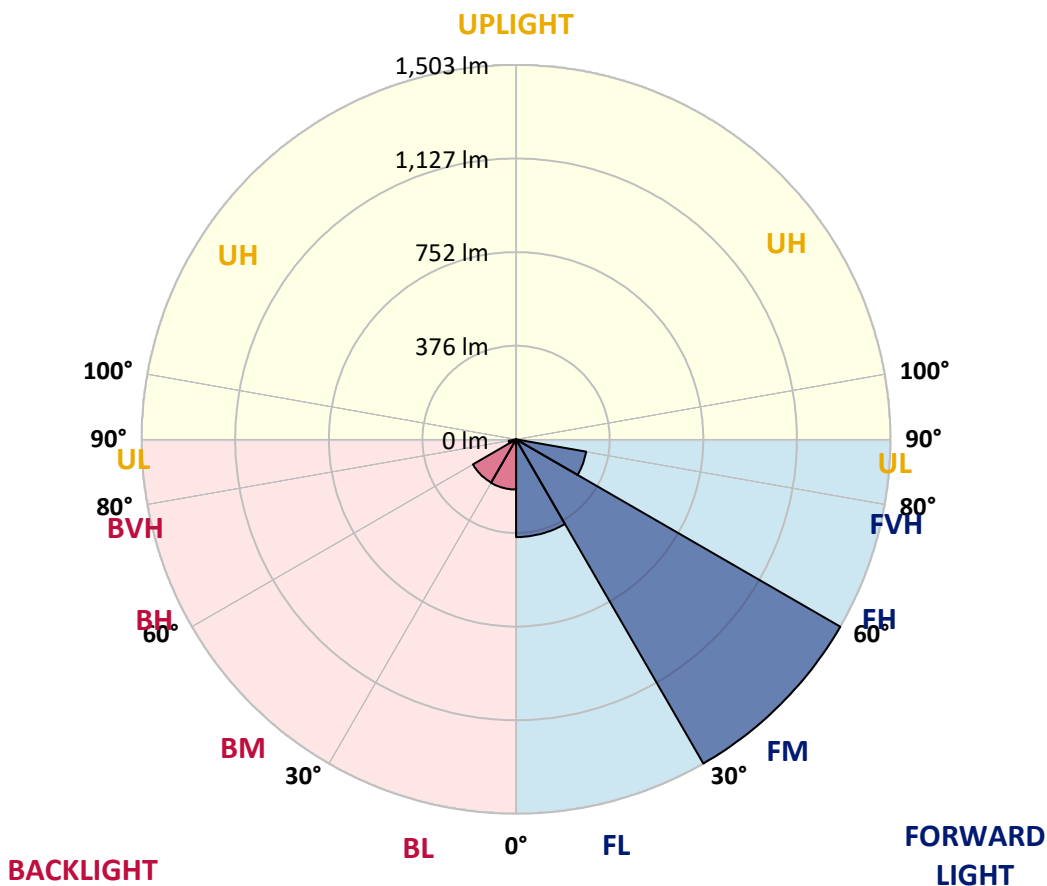
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.3	15.0			
FM (30°-60°)	1503.2	57.5			
FH (60°-80°)	285.5	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	201.4	7.7	B1/500		
BM (30°-60°)	200.3	7.7	B0/220		
BH (60°-80°)	29.8	1.1	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°	53°	55°	65°	75°	85°
0°	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0
2.5°	1130.0	1132.5	1137.0	1142.8	1146.6	1148.6	1148.6	1154.0	1150.5	1147.6	1144.4
5°	1081.6	1084.2	1090.3	1099.6	1108.8	1115.6	1123.3	1129.0	1131.3	1131.3	1125.8
7.5°	1013.4	1017.0	1020.8	1033.6	1053.8	1068.8	1082.0	1090.3	1102.4	1106.3	1098.6
10°	940.1	943.6	952.3	969.9	992.9	1015.4	1037.8	1048.3	1069.1	1080.0	1071.4
12.5°	878.0	879.6	891.1	912.2	941.7	972.4	999.7	1010.5	1040.0	1056.3	1046.1
15°	826.8	827.7	839.2	862.6	896.6	934.3	968.6	979.8	1016.0	1040.6	1025.3
17.5°	788.0	788.3	798.3	823.6	859.1	901.0	941.7	955.5	1002.2	1032.0	1008.9
20°	768.5	767.5	774.6	796.7	830.3	872.2	920.3	937.2	994.5	1030.7	996.5
22.5°	768.8	766.6	769.4	785.1	813.6	853.0	906.8	926.0	995.2	1036.2	985.9
25°	787.0	783.8	784.5	792.8	813.0	848.8	908.7	929.2	1008.0	1054.4	982.0
27.5°	817.8	814.3	814.3	818.4	829.3	862.0	932.7	956.1	1042.2	1090.0	990.1
30°	857.5	854.0	852.7	856.9	865.8	895.9	986.2	1010.5	1100.8	1148.2	1015.7
32.5°	903.0	898.8	901.0	906.8	915.4	957.1	1055.1	1087.4	1174.2	1226.7	1061.8
35°	951.0	947.5	957.7	970.2	983.7	1041.9	1150.2	1178.3	1264.1	1324.3	1132.2
37.5°	996.8	995.2	1016.6	1042.9	1070.7	1143.8	1246.9	1268.6	1341.3	1430.6	1218.4
40°	1042.6	1042.2	1079.1	1125.2	1169.7	1245.3	1320.2	1338.1	1388.4	1513.3	1301.0
42.5°	1093.8	1093.8	1144.7	1206.2	1265.4	1331.1	1374.0	1382.0	1409.5	1561.0	1363.1
45°	1142.8	1145.7	1204.6	1276.0	1346.1	1398.0	1411.1	1411.8	1418.2	1589.1	1414.6
47.5°	1181.5	1184.1	1254.5	1336.8	1412.4	1448.9	1450.8	1447.9	1440.9	1616.0	1454.3
50°	1212.9	1216.8	1290.4	1377.5	1457.9	1497.9	1512.6	1509.7	1491.8	1644.9	1482.2
52.5°	1228.3	1233.7	1302.9	1397.7	1508.5	1581.8	1622.8	1629.5	1568.0	1660.9	1508.8
55°	1105.3	1113.3	1177.1	1306.7	1536.6	1711.5	1775.8	1774.5	1650.6	1708.6	1573.5
57.5°	834.8	834.1	887.0	1028.8	1312.5	1718.8	1870.0	1867.4	1727.8	1764.0	1639.7
60°	568.4	564.5	578.6	647.1	917.7	1400.2	1701.9	1736.4	1673.0	1629.5	1392.2
62.5°	467.8	464.3	459.8	440.9	527.0	872.2	1175.8	1228.3	1220.0	1132.5	873.2
65°	383.0	385.8	398.3	390.3	366.6	447.3	610.3	641.4	586.3	493.4	305.1
67.5°	282.4	283.7	300.0	342.3	329.5	297.8	287.2	292.3	171.3	78.8	50.9
70°	166.8	167.8	182.8	239.5	267.4	228.6	194.0	191.2	67.9	21.1	23.1
72.5°	94.5	92.5	95.4	114.0	145.7	121.4	99.9	90.9	20.5	11.8	11.8
75°	44.8	43.5	37.5	35.2	32.0	20.5	12.8	10.9	5.1	4.8	4.8
77.5°	0.3	1.0	0.6	1.0	1.0	0.6	0.3	0.3	1.0	1.0	1.3
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°	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0	1146.0
2.5°	1138.6	1129.0	1126.8	1126.1	1117.2	1107.6	1097.6	1093.8	1088.0	1084.5	1087.4
5°	1117.2	1103.4	1091.2	1080.0	1060.2	1038.4	1019.5	1007.3	995.8	988.1	990.1
7.5°	1086.8	1068.8	1041.0	1012.5	976.0	943.3	906.8	884.4	863.6	852.0	857.5
10°	1054.4	1030.7	986.2	937.9	880.5	829.3	777.1	734.5	709.9	686.5	689.1
12.5°	1022.7	991.3	924.7	851.4	779.0	703.5	624.7	565.8	525.4	496.3	491.8
15°	993.3	952.9	864.9	768.2	669.5	569.0	468.5	384.2	337.5	308.7	306.8
17.5°	967.0	917.0	802.7	681.1	557.5	428.7	313.2	250.1	223.2	210.7	209.4
20°	941.7	880.9	739.3	592.7	435.2	301.0	216.1	187.0	178.4	173.2	173.9
22.5°	917.4	841.5	672.7	494.7	326.3	211.3	167.5	156.3	155.3	155.9	156.3
25°	896.9	805.3	604.2	400.2	232.8	161.1	139.9	136.7	139.6	143.8	144.4
27.5°	886.3	775.8	537.3	305.1	168.4	131.0	121.4	122.6	127.8	132.2	132.9
30°	889.2	753.7	468.1	221.3	129.7	110.5	107.3	109.8	115.0	119.1	119.8
32.5°	909.7	742.5	397.4	161.1	106.6	96.4	95.1	97.0	101.5	104.7	105.0
35°	950.3	745.1	330.1	123.3	91.6	85.8	85.5	86.8	89.0	91.3	91.6
37.5°	1010.2	765.9	263.8	102.5	82.9	78.8	77.5	77.5	79.1	80.0	80.7
40°	1074.6	797.3	211.3	90.6	76.8	72.4	69.8	68.8	70.1	71.4	71.7
42.5°	1127.7	828.7	171.6	82.3	72.0	66.0	62.8	62.1	63.7	66.0	66.6
45°	1168.4	853.0	143.1	75.6	66.6	59.9	56.4	56.4	59.2	63.1	63.7
47.5°	1205.5	872.5	122.0	69.5	61.5	54.4	50.9	51.6	56.4	61.5	62.4
50°	1230.8	888.2	106.3	64.0	57.3	50.0	46.7	48.0	53.8	59.9	60.8
52.5°	1258.1	907.4	96.1	59.2	53.5	46.4	43.5	44.5	50.9	57.6	58.9
55°	1333.3	971.8	95.7	52.8	46.7	41.6	40.3	40.7	47.1	54.8	56.4
57.5°	1394.8	1028.5	102.1	44.5	39.1	36.5	35.9	36.2	41.9	50.6	52.5
60°	1154.0	799.2	84.5	36.8	32.7	32.0	31.1	31.7	37.1	44.8	46.4
62.5°	683.0	456.9	40.3	28.2	27.9	27.2	26.3	27.5	32.7	39.4	40.3
65°	233.4	135.4	25.6	23.1	23.7	22.7	21.8	23.1	27.5	31.4	31.7
67.5°	44.8	35.9	20.5	19.2	19.5	17.6	17.3	18.6	21.1	21.8	21.5
70°	23.4	20.8	15.7	15.7	15.0	12.5	12.5	13.8	13.8	12.8	12.5
72.5°	12.2	11.5	10.2	11.5	9.6	7.7	7.7	8.3	7.7	6.4	6.4
75°	4.8	4.8	4.5	5.8	4.2	3.5	3.2	3.8	2.9	2.2	2.2
77.5°	1.3	1.3	1.3	1.6	1.0	1.0	0.6	0.6	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	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)