

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: P629889

Luminaire Tested: GWS-SA1C-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

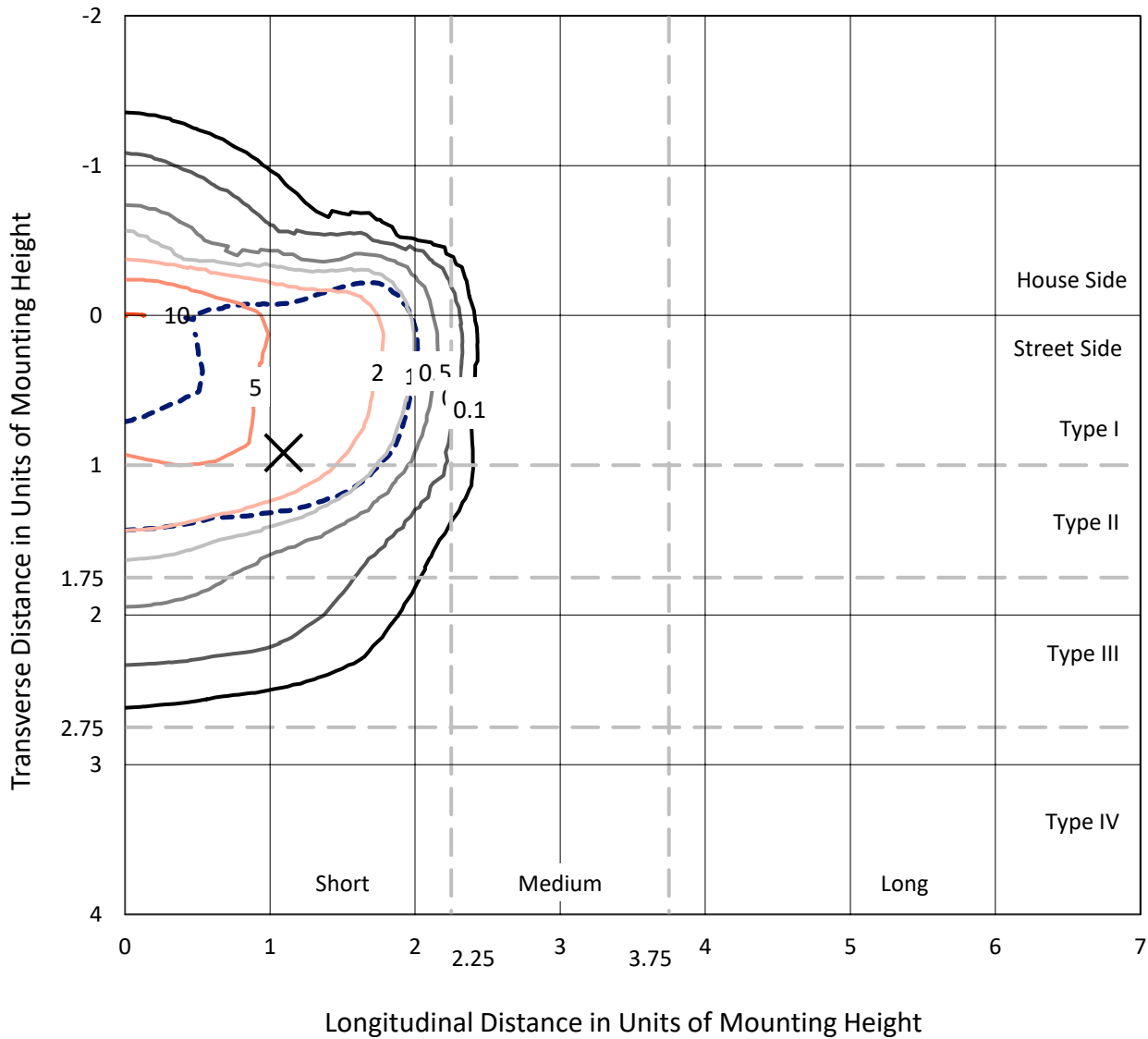
Lumens per Lamp: N/A  
Luminaire Lumens: 2887 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

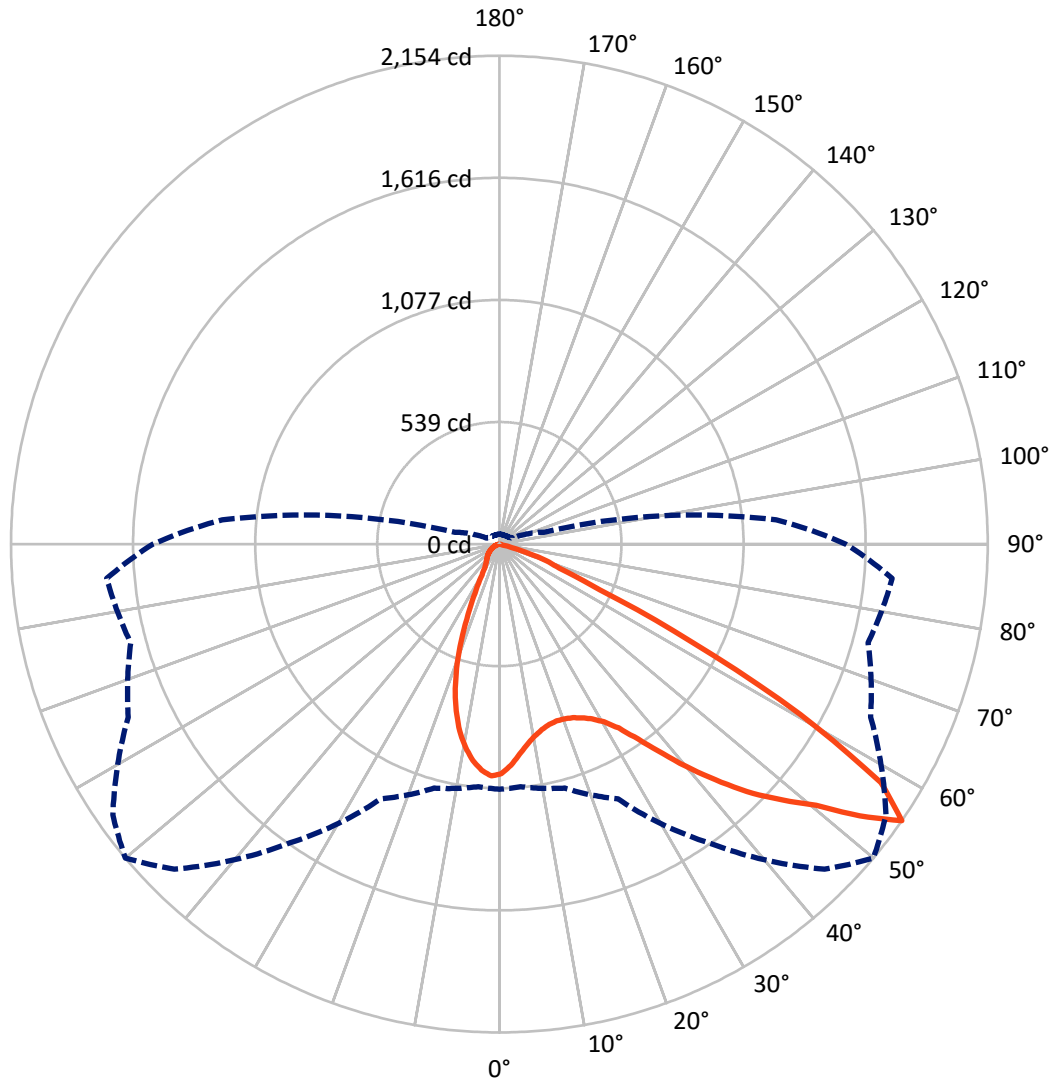
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	568.9	0.0	568.9
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	2318.1	0.0	2318.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	2887.0	0.0	2887.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	3.1
10°-20°	218.9	7.6
20°-30°	308.8	10.7
30°-40°	456.9	15.8
40°-50°	659.2	22.8
50°-60°	777.6	26.9
60°-70°	346.9	12.0
70°-80°	29.8	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°	2887.0	100.0
0°-180°	2887.0	100.0

**Coefficient of Utilization**



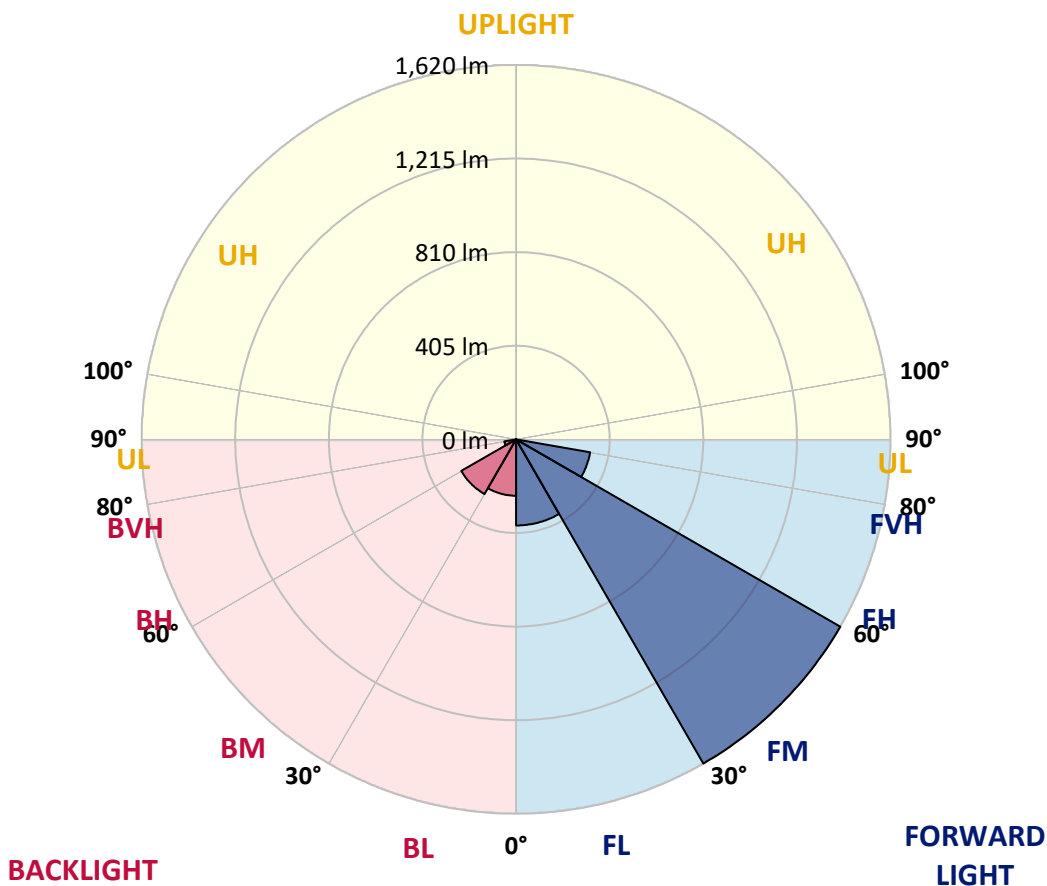
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.7	12.9			
FM (30°-60°)	1620.1	56.1			
FH (60°-80°)	325.3	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	243.9	8.4	B1/500		
BM (30°-60°)	273.6	9.5	B1/1000		
BH (60°-80°)	51.4	1.8	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°	50°	55°	65°	75°	85°
0°	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9
2.5°	941.0	941.7	942.1	951.6	955.1	969.2	976.6	980.5	990.7	1002.7	1012.6
5°	877.9	876.9	878.6	890.6	898.4	919.2	930.4	938.2	960.8	989.0	1012.6
7.5°	823.0	825.1	827.2	840.2	851.9	874.4	890.6	902.3	933.6	975.6	1015.4
10°	784.2	784.2	787.4	802.2	815.9	843.7	860.0	874.8	912.1	963.6	1018.6
12.5°	755.6	756.0	759.9	776.8	792.6	821.5	838.5	852.9	894.1	951.6	1019.3
15°	742.2	741.2	744.4	762.3	780.0	807.1	824.7	838.8	881.5	944.9	1022.8
17.5°	738.7	738.0	740.5	758.1	776.1	802.5	819.8	833.9	879.7	947.0	1033.4
20°	748.9	747.5	746.5	761.6	778.5	804.6	822.6	838.5	888.2	958.6	1049.6
22.5°	773.3	773.3	770.8	778.2	789.5	813.1	831.8	852.6	910.4	981.9	1073.5
25°	818.0	814.5	809.9	813.1	811.7	826.5	848.7	877.6	952.3	1020.3	1102.8
27.5°	869.1	872.3	864.5	864.9	852.6	847.3	873.0	916.7	1014.7	1074.6	1146.1
30°	938.6	936.1	936.4	935.4	906.8	881.8	909.7	967.8	1093.3	1157.4	1202.5
32.5°	992.8	996.4	1008.0	1014.7	977.3	937.1	966.8	1037.2	1182.8	1251.9	1271.6
35°	1050.3	1056.6	1080.2	1102.1	1070.7	1024.6	1056.3	1129.2	1267.0	1345.3	1350.9
37.5°	1110.9	1123.6	1151.8	1190.2	1185.3	1144.4	1173.3	1237.4	1333.3	1401.7	1416.5
40°	1180.3	1192.7	1238.8	1294.2	1305.8	1296.6	1306.2	1343.5	1377.0	1404.1	1444.7
42.5°	1256.5	1273.4	1331.9	1405.9	1449.6	1457.7	1435.5	1431.6	1396.0	1375.9	1438.7
45°	1346.3	1366.1	1432.3	1528.2	1597.6	1608.5	1570.1	1520.4	1408.0	1355.1	1420.7
47.5°	1447.1	1465.8	1531.7	1647.0	1750.2	1754.5	1687.5	1607.5	1443.6	1379.1	1434.4
50°	1481.0	1492.6	1549.7	1685.0	1875.3	1907.8	1810.9	1705.5	1515.2	1449.6	1501.4
52.5°	1364.7	1369.2	1418.9	1555.7	1850.0	2058.3	1990.9	1851.7	1642.4	1557.1	1604.7
55°	1081.3	1073.9	1114.1	1239.5	1607.8	2027.6	2154.1	2081.5	1806.3	1683.3	1739.0
57.5°	756.3	747.5	738.4	823.3	1199.7	1718.9	1985.0	2113.6	1962.4	1808.4	1883.8
60°	621.7	613.3	568.8	529.7	725.3	1234.3	1524.7	1766.8	1949.7	1802.0	1879.2
62.5°	537.1	532.2	514.2	461.0	426.8	704.5	954.8	1186.7	1496.1	1415.1	1419.3
65°	421.9	420.5	432.8	438.4	377.5	389.8	487.1	616.8	808.9	762.7	723.2
67.5°	288.3	285.1	308.4	379.2	363.0	307.7	285.1	287.6	350.0	213.9	169.9
70°	183.3	175.9	176.2	235.1	295.3	242.8	219.9	193.5	174.1	31.7	35.9
72.5°	117.4	112.8	96.9	106.1	136.7	118.4	119.5	102.9	68.7	16.9	19.7
75°	49.3	45.5	34.9	27.8	27.5	17.3	15.2	14.1	9.5	9.5	10.2
77.5°	0.4	0.0	0.0	0.4	0.7	0.4	0.4	0.7	1.4	2.1	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9	1012.9
2.5°	1018.6	1010.1	1019.6	1023.1	1022.8	1023.1	1012.9	1005.9	1005.5	996.7	992.5
5°	1022.4	1015.7	1022.8	1018.2	1007.3	993.5	975.2	959.3	952.3	942.1	937.1
7.5°	1029.8	1022.8	1021.7	1003.4	976.3	947.4	914.9	886.0	870.5	851.9	852.9
10°	1035.1	1027.0	1013.3	975.9	930.8	884.6	836.3	793.3	766.2	741.2	737.0
12.5°	1037.2	1025.3	993.2	936.8	873.4	813.1	742.2	680.9	638.6	605.8	601.3
15°	1041.1	1021.7	967.5	889.6	802.5	717.2	627.0	543.1	487.1	449.4	452.5
17.5°	1047.1	1017.9	938.6	836.7	726.4	605.8	483.9	387.7	336.2	314.4	314.7
20°	1055.6	1013.3	906.8	778.5	635.1	480.0	338.3	265.7	251.3	250.6	249.5
22.5°	1066.8	1008.7	873.0	714.8	526.9	336.2	225.2	202.7	208.6	220.3	222.4
25°	1080.2	1003.1	835.3	642.9	408.8	220.6	168.8	165.3	179.7	195.3	198.8
27.5°	1101.0	1000.2	792.3	561.1	286.9	158.2	138.2	140.3	153.3	166.4	169.5
30°	1136.3	1005.5	745.4	469.5	184.3	126.2	119.8	123.0	130.1	136.7	139.6
32.5°	1184.2	1021.0	700.0	369.4	131.5	109.6	108.2	110.0	112.8	116.7	117.7
35°	1240.2	1047.8	653.1	264.3	108.6	100.1	98.7	98.7	100.1	100.8	101.2
37.5°	1286.4	1076.0	609.0	175.9	97.3	92.7	90.6	89.5	89.2	89.9	90.2
40°	1306.5	1087.6	561.1	127.9	89.2	86.0	82.8	79.7	79.7	82.1	82.5
42.5°	1292.4	1074.6	505.8	105.7	83.5	78.9	74.0	71.2	72.6	75.1	75.8
45°	1262.4	1042.5	444.8	93.4	77.9	71.9	66.3	64.5	65.9	69.1	69.8
47.5°	1257.5	1021.4	371.8	85.3	71.9	65.9	59.9	58.2	59.9	62.4	63.1
50°	1306.5	1039.7	290.8	78.2	66.3	59.6	54.6	52.9	53.9	55.3	56.0
52.5°	1396.0	1107.7	234.7	71.5	59.6	53.2	50.0	47.9	47.9	49.3	49.7
55°	1528.2	1226.5	202.7	63.8	51.8	48.3	45.5	43.4	43.4	44.1	44.4
57.5°	1680.4	1370.3	210.1	53.6	45.5	43.7	41.2	39.5	40.2	40.2	40.2
60°	1659.3	1359.7	224.9	45.1	40.2	39.5	37.4	36.7	38.4	37.0	36.3
62.5°	1222.3	939.3	117.7	37.0	34.5	33.8	32.4	33.8	36.3	32.4	31.0
65°	593.5	454.7	47.2	30.3	29.3	28.5	27.8	30.0	31.4	25.4	24.0
67.5°	139.6	113.5	30.7	25.7	24.3	22.9	23.6	24.0	22.9	17.3	16.6
70°	36.3	35.6	24.0	21.5	19.4	18.0	18.0	17.6	15.2	10.9	10.2
72.5°	19.7	19.4	17.3	16.2	13.4	12.0	12.3	10.9	8.5	6.3	6.0
75°	9.9	10.6	9.9	9.2	7.4	6.7	6.7	6.0	4.2	2.5	2.5
77.5°	2.1	2.5	2.5	2.1	1.8	1.4	1.4	1.8	0.7	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)