

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: P631598

Luminaire Tested: GWS-SA2B-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631598
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-SA2B-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2973.3 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

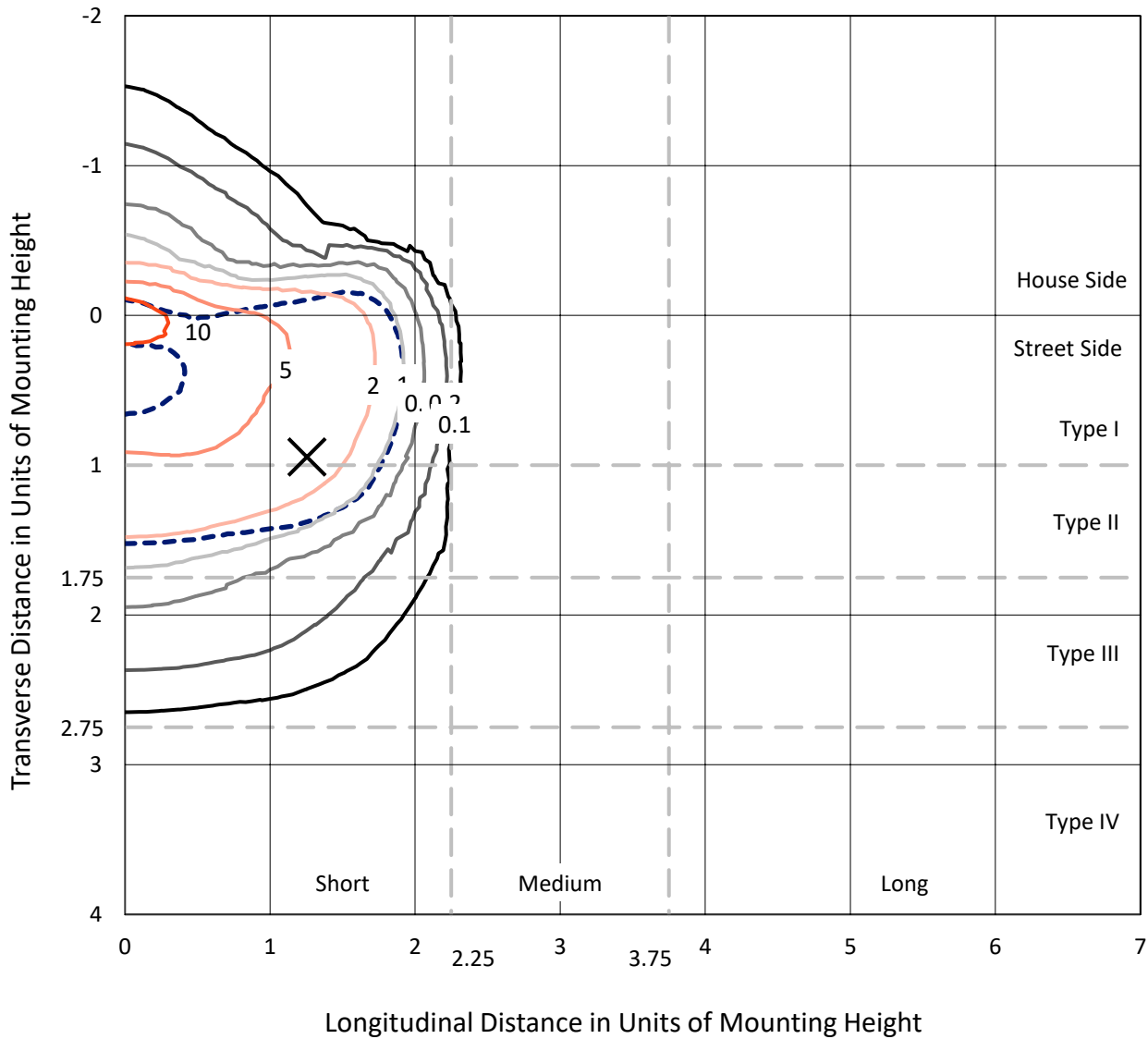
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

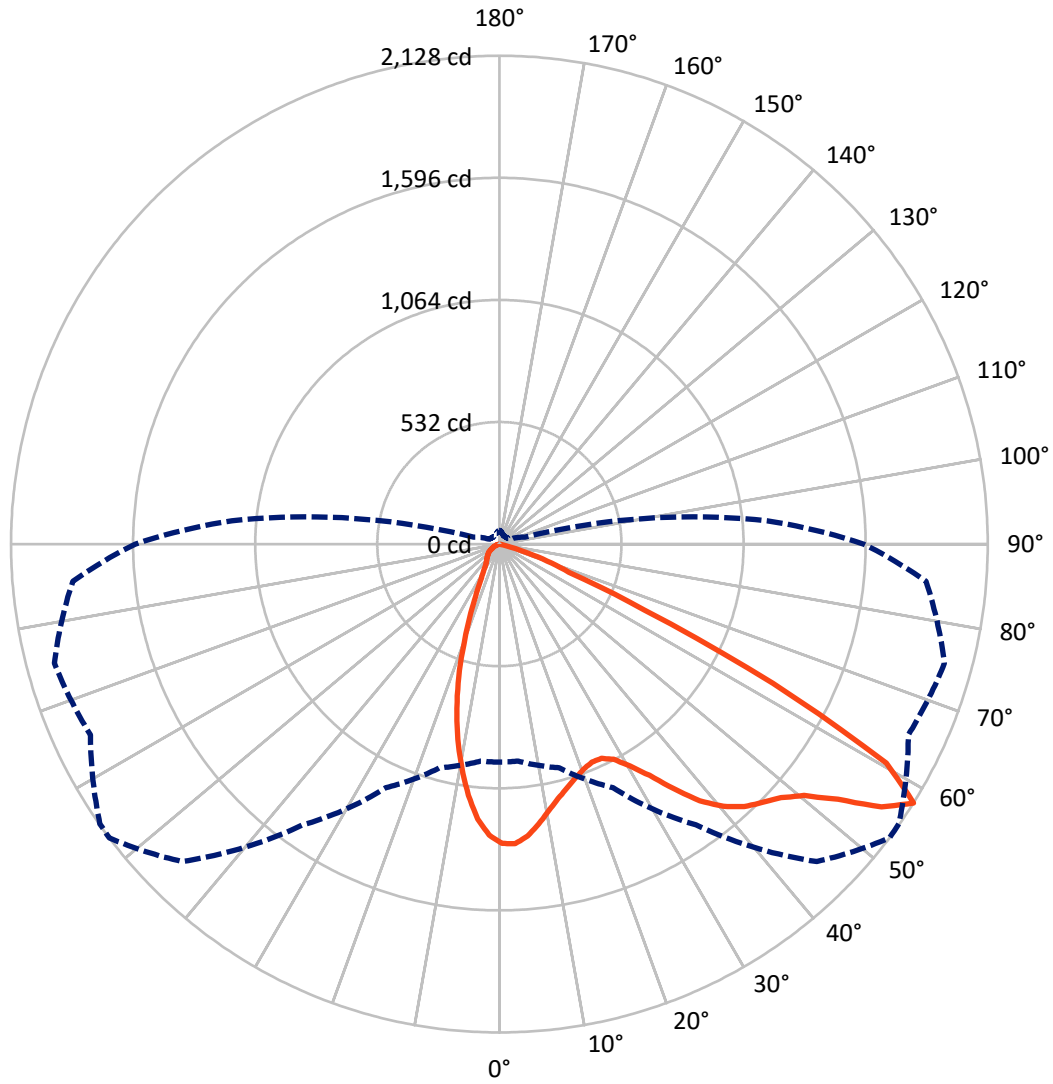
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 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
House Side	Lumens	491.1	0.0	491.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2482.1	0.0	2482.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	2973.3	0.0	2973.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	3.8
10°-20°	245.0	8.2
20°-30°	319.1	10.7
30°-40°	462.9	15.6
40°-50°	668.0	22.5
50°-60°	807.8	27.2
60°-70°	329.2	11.1
70°-80°	29.6	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°	2973.3	100.0
0°-180°	2973.3	100.0

Coefficient of Utilization



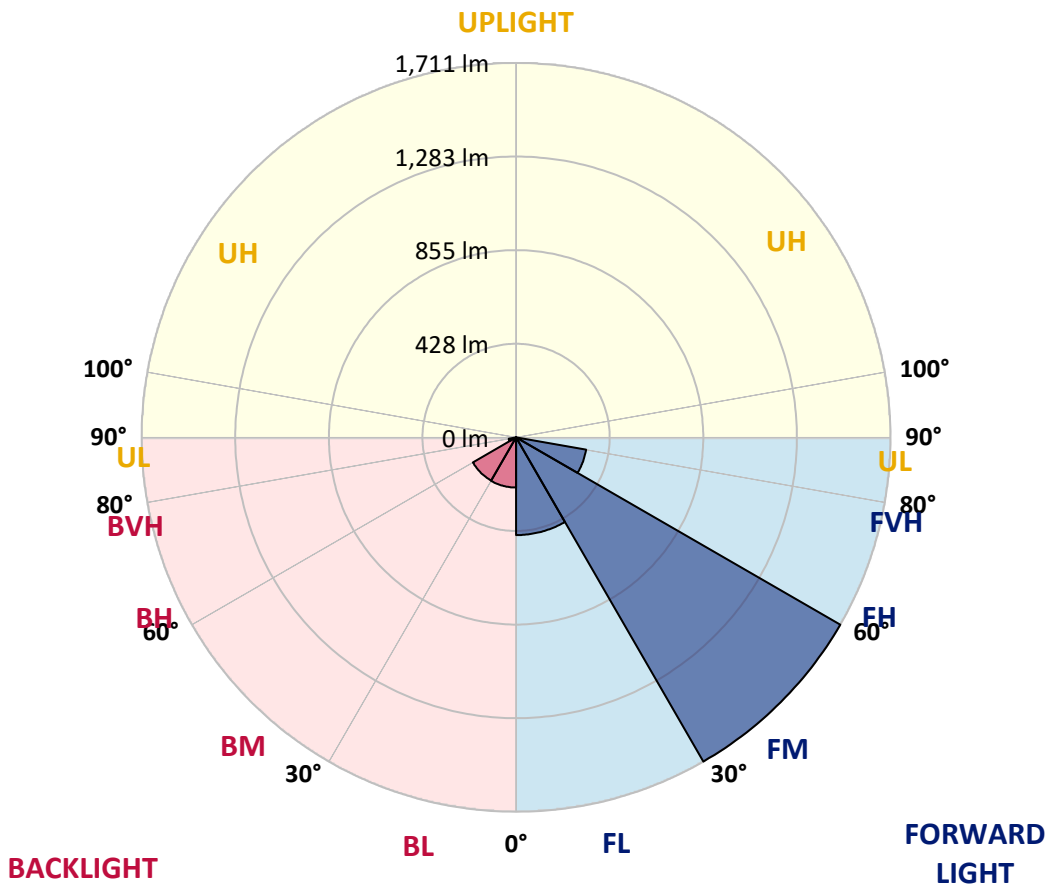
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.5	15.0			
FM (30°-60°)	1710.8	57.5			
FH (60°-80°)	324.9	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	229.2	7.7	B1/500		
BM (30°-60°)	228.0	7.7	B1/1000		
BH (60°-80°)	34.0	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°	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3
2.5°	1286.0	1289.0	1294.1	1300.6	1305.0	1307.2	1307.2	1313.4	1309.4	1306.1	1302.4
5°	1231.0	1233.9	1240.8	1251.4	1262.0	1269.6	1278.4	1284.9	1287.5	1287.5	1281.3
7.5°	1153.4	1157.4	1161.8	1176.3	1199.3	1216.4	1231.4	1240.8	1254.7	1259.1	1250.3
10°	1069.9	1073.9	1083.8	1103.8	1130.1	1155.6	1181.1	1193.1	1216.8	1229.2	1219.3
12.5°	999.2	1001.1	1014.2	1038.2	1071.8	1106.7	1137.7	1150.1	1183.6	1202.2	1190.6
15°	940.9	942.0	955.1	981.7	1020.4	1063.4	1102.4	1115.1	1156.3	1184.4	1166.9
17.5°	896.8	897.2	908.5	937.3	977.7	1025.5	1071.8	1087.4	1140.6	1174.5	1148.3
20°	874.6	873.5	881.5	906.7	944.9	992.7	1047.3	1066.7	1131.9	1173.1	1134.1
22.5°	875.0	872.4	875.7	893.6	926.0	970.8	1032.0	1053.9	1132.6	1179.3	1122.0
25°	895.7	892.1	892.8	902.3	925.3	966.1	1034.2	1057.5	1147.2	1200.0	1117.7
27.5°	930.7	926.7	926.7	931.5	943.8	981.0	1061.6	1088.2	1186.2	1240.5	1126.8
30°	975.9	971.9	970.5	975.2	985.4	1019.6	1122.4	1150.1	1252.9	1306.8	1155.9
32.5°	1027.7	1022.9	1025.5	1032.0	1041.9	1089.3	1200.8	1237.6	1336.3	1396.1	1208.4
35°	1082.3	1078.3	1090.0	1104.2	1119.5	1185.8	1309.0	1341.1	1438.7	1507.2	1288.6
37.5°	1134.4	1132.6	1157.0	1186.9	1218.6	1301.7	1419.1	1443.8	1526.6	1628.2	1386.6
40°	1186.6	1186.2	1228.1	1280.6	1331.2	1417.2	1502.5	1522.9	1580.1	1722.2	1480.6
42.5°	1244.9	1244.9	1302.8	1372.8	1440.2	1514.9	1563.7	1572.8	1604.2	1776.5	1551.3
45°	1300.6	1303.9	1370.9	1452.2	1532.0	1591.1	1606.0	1606.7	1614.0	1808.6	1610.0
47.5°	1344.7	1347.6	1427.8	1521.5	1607.5	1649.0	1651.2	1647.9	1639.9	1839.2	1655.2
50°	1380.4	1384.8	1468.6	1567.7	1659.2	1704.8	1721.5	1718.2	1697.8	1872.0	1686.9
52.5°	1397.9	1404.1	1482.8	1590.7	1716.8	1800.2	1846.9	1854.5	1784.6	1890.2	1717.1
55°	1258.0	1267.1	1339.6	1487.2	1748.9	1947.8	2021.1	2019.6	1878.6	1944.5	1790.8
57.5°	950.0	949.3	1009.4	1170.9	1493.8	1956.2	2128.2	2125.3	1966.4	2007.6	1866.2
60°	646.8	642.5	658.5	736.5	1044.4	1593.6	1936.9	1976.2	1904.1	1854.5	1584.5
62.5°	532.4	528.4	523.3	501.8	599.8	992.7	1338.1	1397.9	1388.4	1289.0	993.8
65°	435.8	439.1	453.3	444.2	417.3	509.1	694.6	729.9	667.3	561.6	347.3
67.5°	321.4	322.9	341.5	389.6	375.0	338.9	326.9	332.7	195.0	89.6	57.9
70°	189.9	191.0	208.1	272.6	304.3	260.2	220.8	217.6	77.3	24.1	26.2
72.5°	107.5	105.3	108.6	129.7	165.8	138.1	113.7	103.5	23.3	13.5	13.5
75°	51.0	49.6	42.6	40.1	36.4	23.3	14.6	12.4	5.8	5.5	5.5
77.5°	0.4	1.1	0.7	1.1	1.1	0.7	0.4	0.4	1.1	1.1	1.5
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°	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3	1304.3
2.5°	1295.9	1284.9	1282.4	1281.7	1271.5	1260.5	1249.2	1244.9	1238.3	1234.3	1237.6
5°	1271.5	1255.8	1241.9	1229.2	1206.6	1181.8	1160.3	1146.5	1133.3	1124.6	1126.8
7.5°	1236.8	1216.4	1184.7	1152.3	1110.8	1073.6	1032.0	1006.5	982.8	969.7	975.9
10°	1200.0	1173.1	1122.4	1067.4	1002.2	943.8	884.4	836.0	807.9	781.3	784.2
12.5°	1164.0	1128.2	1052.4	969.0	886.6	800.6	711.0	643.9	598.0	564.9	559.7
15°	1130.4	1084.5	984.3	874.2	762.0	647.6	533.1	437.3	384.1	351.3	349.1
17.5°	1100.5	1043.7	913.6	775.1	634.5	488.0	356.4	284.6	254.0	239.8	238.3
20°	1071.8	1002.5	841.4	674.5	495.2	342.6	246.0	212.8	203.0	197.2	197.9
22.5°	1044.1	957.7	765.6	563.0	371.3	240.5	190.6	177.8	176.7	177.5	177.8
25°	1020.7	916.5	687.7	455.5	264.9	183.3	159.3	155.6	158.9	163.6	164.4
27.5°	1008.7	883.0	611.5	347.3	191.7	149.0	138.1	139.6	145.4	150.5	151.2
30°	1012.0	857.8	532.8	251.8	147.6	125.7	122.1	125.0	130.8	135.6	136.3
32.5°	1035.3	845.1	452.2	183.3	121.4	109.7	108.2	110.4	115.5	119.2	119.5
35°	1081.6	848.0	375.7	140.3	104.2	97.7	97.3	98.8	101.3	103.9	104.2
37.5°	1149.7	871.7	300.3	116.6	94.4	89.6	88.2	88.2	90.0	91.1	91.8
40°	1223.0	907.4	240.5	103.1	87.5	82.4	79.4	78.4	79.8	81.3	81.6
42.5°	1283.5	943.1	195.3	93.7	82.0	75.1	71.4	70.7	72.5	75.1	75.8
45°	1329.8	970.8	162.9	86.0	75.8	68.1	64.1	64.1	67.4	71.8	72.5
47.5°	1372.0	993.0	138.8	79.1	70.0	62.0	57.9	58.7	64.1	70.0	71.1
50°	1400.8	1010.9	121.0	72.9	65.2	56.8	53.2	54.7	61.2	68.1	69.2
52.5°	1431.8	1032.8	109.3	67.4	60.9	52.8	49.6	50.7	57.9	65.6	67.1
55°	1517.4	1106.0	109.0	60.1	53.2	47.4	45.9	46.3	53.6	62.3	64.1
57.5°	1587.4	1170.5	116.2	50.7	44.5	41.5	40.8	41.2	47.7	57.6	59.8
60°	1313.4	909.6	96.2	41.9	37.2	36.4	35.3	36.1	42.3	51.0	52.8
62.5°	777.3	520.0	45.9	32.1	31.7	31.0	29.9	31.3	37.2	44.8	45.9
65°	265.7	154.1	29.2	26.2	27.0	25.9	24.8	26.2	31.3	35.7	36.1
67.5°	51.0	40.8	23.3	21.9	22.2	20.0	19.7	21.1	24.1	24.8	24.4
70°	26.6	23.7	17.9	17.9	17.1	14.2	14.2	15.7	15.7	14.6	14.2
72.5°	13.8	13.1	11.7	13.1	10.9	8.7	8.7	9.5	8.7	7.3	7.3
75°	5.5	5.5	5.1	6.6	4.7	4.0	3.6	4.4	3.3	2.6	2.6
77.5°	1.5	1.5	1.5	1.8	1.1	1.1	0.7	0.7	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	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)