

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: P631594

Luminaire Tested: GWS-SA2B-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631594
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-SA2B-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 2984.9 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

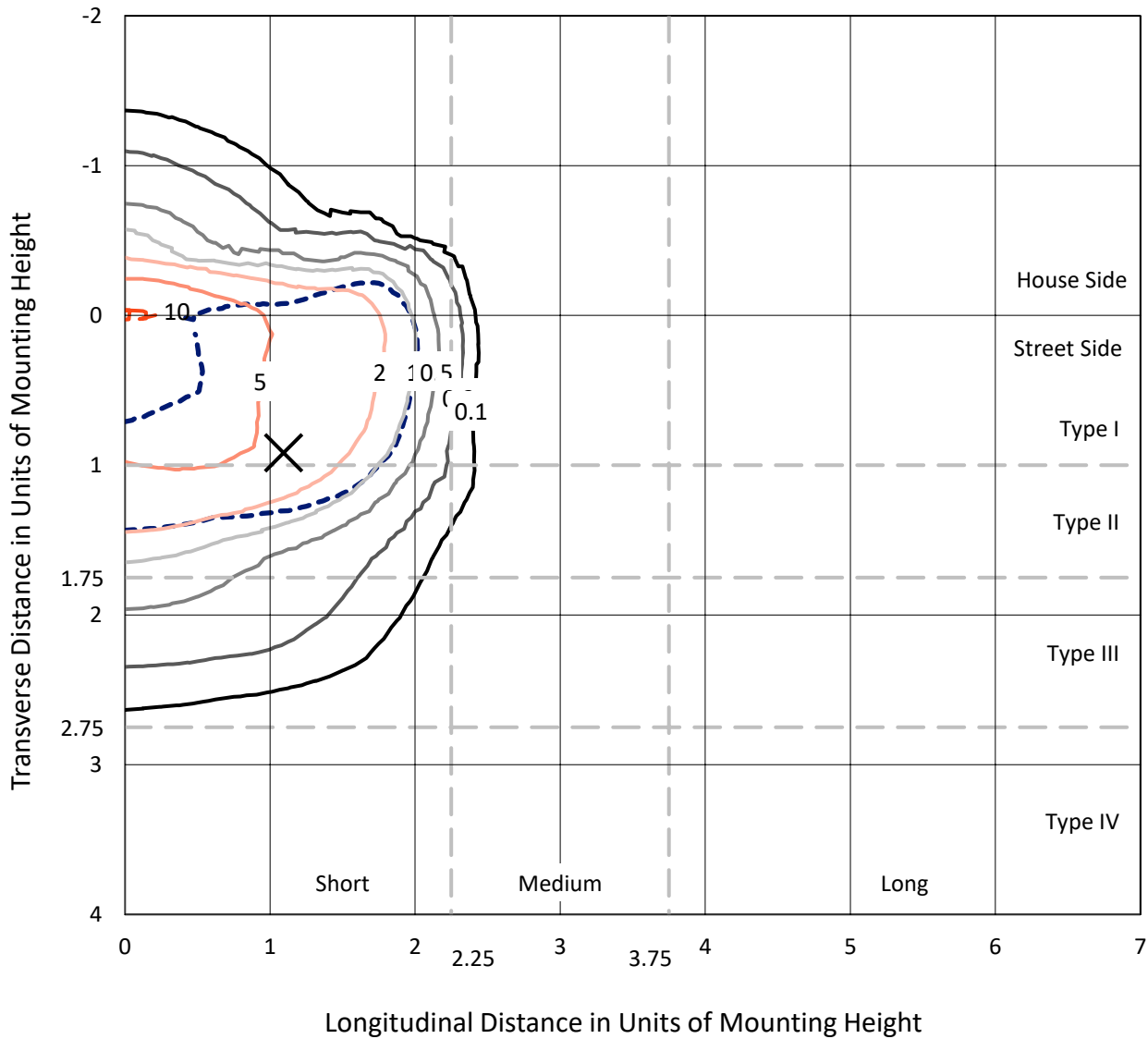
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

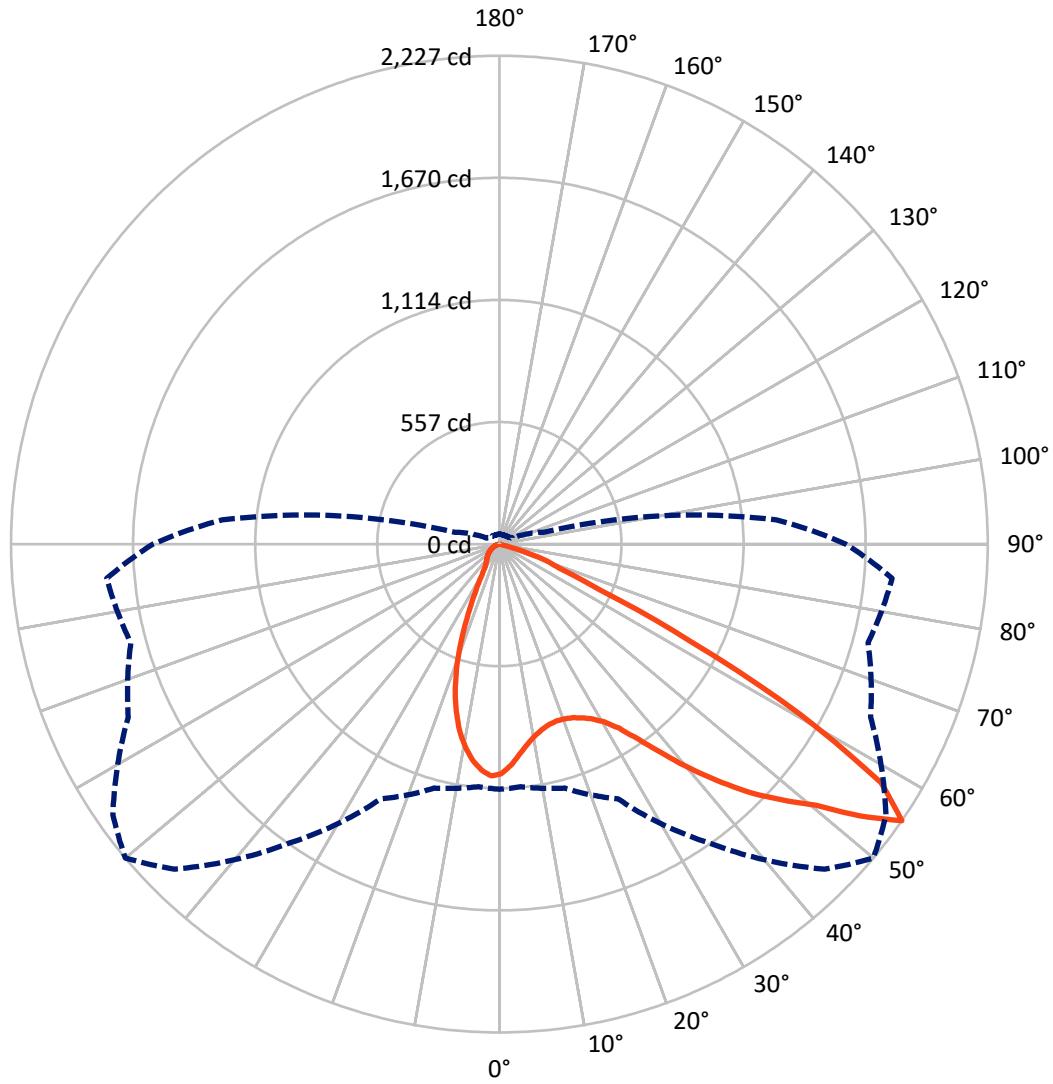
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA2B-722-U-SL2-W-GRSBK

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
House Side	Lumens	588.2	0.0	588.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2396.7	0.0	2396.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	2984.9	0.0	2984.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	3.1
10°-20°	226.3	7.6
20°-30°	319.2	10.7
30°-40°	472.4	15.8
40°-50°	681.5	22.8
50°-60°	803.9	26.9
60°-70°	358.6	12.0
70°-80°	30.8	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°	2984.9	100.0
0°-180°	2984.9	100.0

Coefficient of Utilization



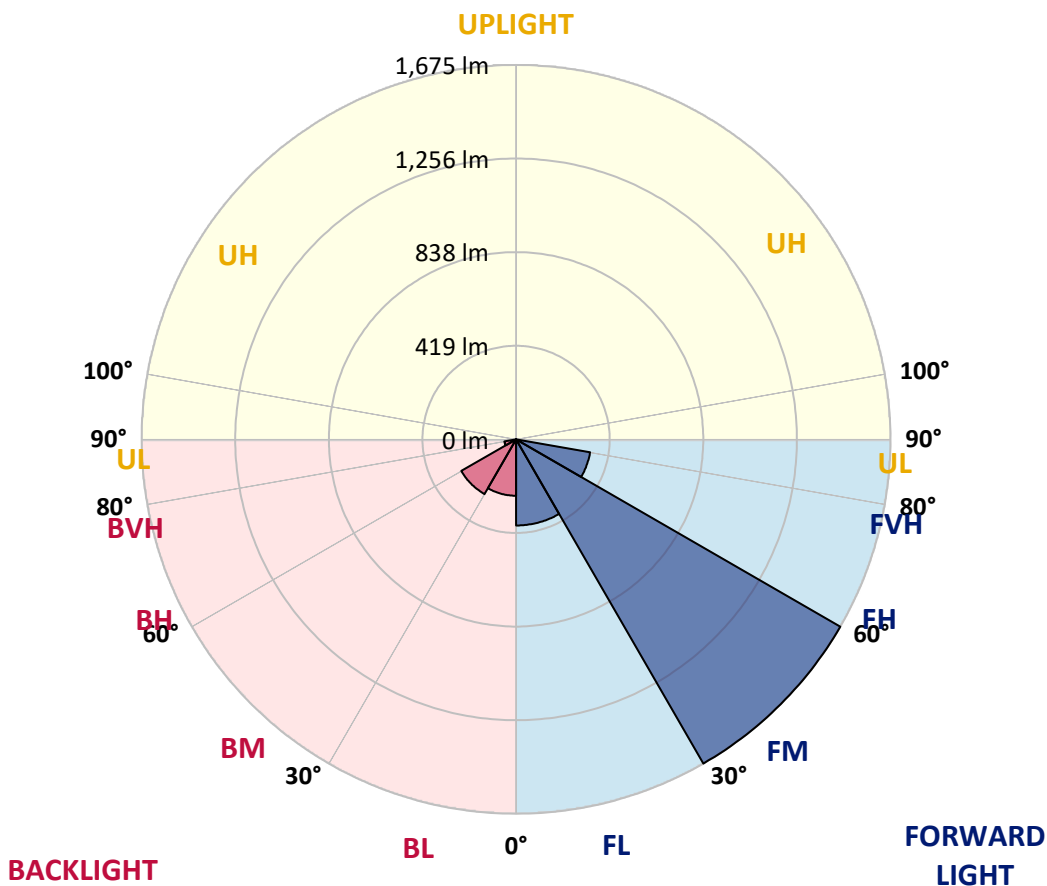
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CATALOG NUMBER: GWS-SA2B-722-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.4	12.9			
FM (30°-60°)	1675.0	56.1			
FH (60°-80°)	336.3	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	252.2	8.4	B1/500		
BM (30°-60°)	282.9	9.5	B1/1000		
BH (60°-80°)	53.1	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





REPORT NUMBER: P631594

CATALOG NUMBER: GWS-SA2B-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3
2.5°	972.9	973.7	974.0	983.9	987.5	1002.1	1009.7	1013.7	1024.3	1036.7	1046.9
5°	907.7	906.6	908.4	920.8	928.8	950.3	962.0	970.0	993.3	1022.5	1046.9
7.5°	850.9	853.0	855.2	868.7	880.7	904.1	920.8	932.8	965.3	1008.6	1049.8
10°	810.8	810.8	814.1	829.4	843.6	872.4	889.1	904.4	943.1	996.3	1053.1
12.5°	781.3	781.6	785.6	803.1	819.5	849.4	866.9	881.8	924.5	983.9	1053.8
15°	767.4	766.3	769.6	788.2	806.4	834.5	852.7	867.3	911.3	976.9	1057.5
17.5°	763.8	763.0	765.6	783.8	802.4	829.7	847.6	862.2	909.5	979.1	1068.4
20°	774.3	772.9	771.8	787.5	804.9	831.9	850.5	866.9	918.3	991.2	1085.2
22.5°	799.5	799.5	796.9	804.6	816.2	840.7	860.0	881.5	941.2	1015.2	1109.9
25°	845.8	842.1	837.4	840.7	839.2	854.5	877.5	907.3	984.6	1054.9	1140.2
27.5°	898.6	901.9	893.9	894.2	881.5	876.0	902.6	947.8	1049.1	1111.0	1185.0
30°	970.4	967.8	968.2	967.1	937.6	911.7	940.5	1000.6	1130.4	1196.7	1243.3
32.5°	1026.5	1030.1	1042.2	1049.1	1010.5	968.9	999.5	1072.4	1222.9	1294.3	1314.7
35°	1085.9	1092.5	1116.9	1139.5	1107.0	1059.3	1092.1	1167.5	1310.0	1390.9	1396.7
37.5°	1148.6	1161.7	1190.8	1230.6	1225.5	1183.2	1213.1	1279.4	1378.5	1449.2	1464.5
40°	1220.4	1233.1	1280.8	1338.1	1350.1	1340.6	1350.4	1389.1	1423.7	1451.7	1493.7
42.5°	1299.1	1316.6	1377.0	1453.6	1498.8	1507.1	1484.2	1480.2	1443.4	1422.6	1487.5
45°	1392.0	1412.4	1480.9	1580.0	1651.8	1663.1	1623.4	1572.0	1455.8	1401.1	1468.9
47.5°	1496.2	1515.5	1583.7	1702.8	1809.6	1814.0	1744.7	1662.0	1492.6	1425.9	1483.1
50°	1531.2	1543.2	1602.2	1742.2	1938.9	1972.5	1872.3	1763.3	1566.5	1498.8	1552.3
52.5°	1410.9	1415.7	1467.1	1608.4	1912.7	2128.1	2058.5	1914.5	1698.1	1609.9	1659.1
55°	1118.0	1110.3	1151.9	1281.6	1662.4	2096.4	2227.2	2152.1	1867.5	1740.3	1797.9
57.5°	782.0	772.9	763.4	851.2	1240.4	1777.2	2052.3	2185.3	2028.9	1869.7	1947.7
60°	642.8	634.0	588.1	547.7	749.9	1276.1	1576.4	1826.7	2015.8	1863.1	1942.9
62.5°	555.3	550.2	531.7	476.6	441.3	728.4	987.1	1226.9	1546.9	1463.0	1467.4
65°	436.2	434.7	447.5	453.3	390.3	403.0	503.6	637.7	836.3	788.5	747.7
67.5°	298.1	294.8	318.8	392.1	375.3	318.1	294.8	297.3	361.8	221.2	175.6
70°	189.5	181.8	182.2	243.1	305.4	251.1	227.4	200.1	180.0	32.8	37.2
72.5°	121.3	116.6	100.2	109.7	141.4	122.4	123.5	106.4	71.1	17.5	20.4
75°	51.0	47.0	36.1	28.8	28.4	17.9	15.7	14.6	9.8	9.8	10.6
77.5°	0.4	0.0	0.0	0.4	0.7	0.4	0.4	0.7	1.5	2.2	2.6
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°	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3	1047.3
2.5°	1053.1	1044.4	1054.2	1057.8	1057.5	1057.8	1047.3	1040.0	1039.6	1030.5	1026.1
5°	1057.1	1050.2	1057.5	1052.7	1041.4	1027.2	1008.3	991.9	984.6	974.0	968.9
7.5°	1064.8	1057.5	1056.4	1037.4	1009.4	979.5	946.0	916.1	900.1	880.7	881.8
10°	1070.2	1061.8	1047.6	1009.0	962.4	914.6	864.7	820.3	792.2	766.3	761.9
12.5°	1072.4	1060.0	1026.9	968.6	903.0	840.7	767.4	704.0	660.3	626.4	621.7
15°	1076.4	1056.4	1000.3	919.7	829.7	741.5	648.3	561.5	503.6	464.6	467.9
17.5°	1082.6	1052.4	970.4	865.1	751.0	626.4	500.3	400.8	347.6	325.0	325.4
20°	1091.4	1047.6	937.6	804.9	656.6	496.3	349.8	274.8	259.8	259.1	258.0
22.5°	1103.0	1042.9	902.6	739.0	544.8	347.6	232.8	209.5	215.7	227.7	229.9
25°	1116.9	1037.1	863.6	664.7	422.7	228.1	174.5	170.9	185.8	201.9	205.5
27.5°	1138.4	1034.2	819.2	580.1	296.6	163.6	142.8	145.0	158.5	172.0	175.3
30°	1174.8	1039.6	770.7	485.4	190.6	130.5	123.9	127.2	134.5	141.4	144.3
32.5°	1224.4	1055.6	723.7	381.9	135.9	113.3	111.9	113.7	116.6	120.6	121.7
35°	1282.3	1083.3	675.2	273.3	112.2	103.5	102.0	102.0	103.5	104.2	104.6
37.5°	1330.0	1112.5	629.7	181.8	100.6	95.8	93.6	92.6	92.2	92.9	93.3
40°	1350.8	1124.5	580.1	132.3	92.2	88.9	85.6	82.4	82.4	84.9	85.3
42.5°	1336.2	1111.0	522.9	109.3	86.4	81.6	76.5	73.6	75.1	77.6	78.3
45°	1305.3	1077.9	459.9	96.6	80.5	74.3	68.5	66.7	68.1	71.4	72.2
47.5°	1300.2	1056.0	384.4	88.2	74.3	68.1	61.9	60.1	61.9	64.5	65.2
50°	1350.8	1075.0	300.6	80.9	68.5	61.6	56.5	54.7	55.8	57.2	57.9
52.5°	1443.4	1145.3	242.7	74.0	61.6	55.0	51.7	49.6	49.6	51.0	51.4
55°	1580.0	1268.1	209.5	66.0	53.6	49.9	47.0	44.8	44.8	45.5	45.9
57.5°	1737.4	1416.8	217.2	55.4	47.0	45.2	42.6	40.8	41.5	41.5	41.5
60°	1715.6	1405.8	232.5	46.6	41.5	40.8	38.6	37.9	39.7	38.3	37.5
62.5°	1263.7	971.1	121.7	38.3	35.7	35.0	33.5	35.0	37.5	33.5	32.1
65°	613.6	470.1	48.8	31.3	30.2	29.5	28.8	31.0	32.4	26.2	24.8
67.5°	144.3	117.3	31.7	26.6	25.1	23.7	24.4	24.8	23.7	17.9	17.1
70°	37.5	36.8	24.8	22.2	20.0	18.6	18.6	18.2	15.7	11.3	10.6
72.5°	20.4	20.0	17.9	16.8	13.8	12.4	12.8	11.3	8.7	6.6	6.2
75°	10.2	10.9	10.2	9.5	7.7	6.9	6.9	6.2	4.4	2.6	2.6
77.5°	2.2	2.6	2.6	2.2	1.8	1.5	1.5	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)