

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: P629855

Luminaire Tested: GWS-SA1C-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2855.1 lumens
Efficiency: N/A
Efficacy: 83.7 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

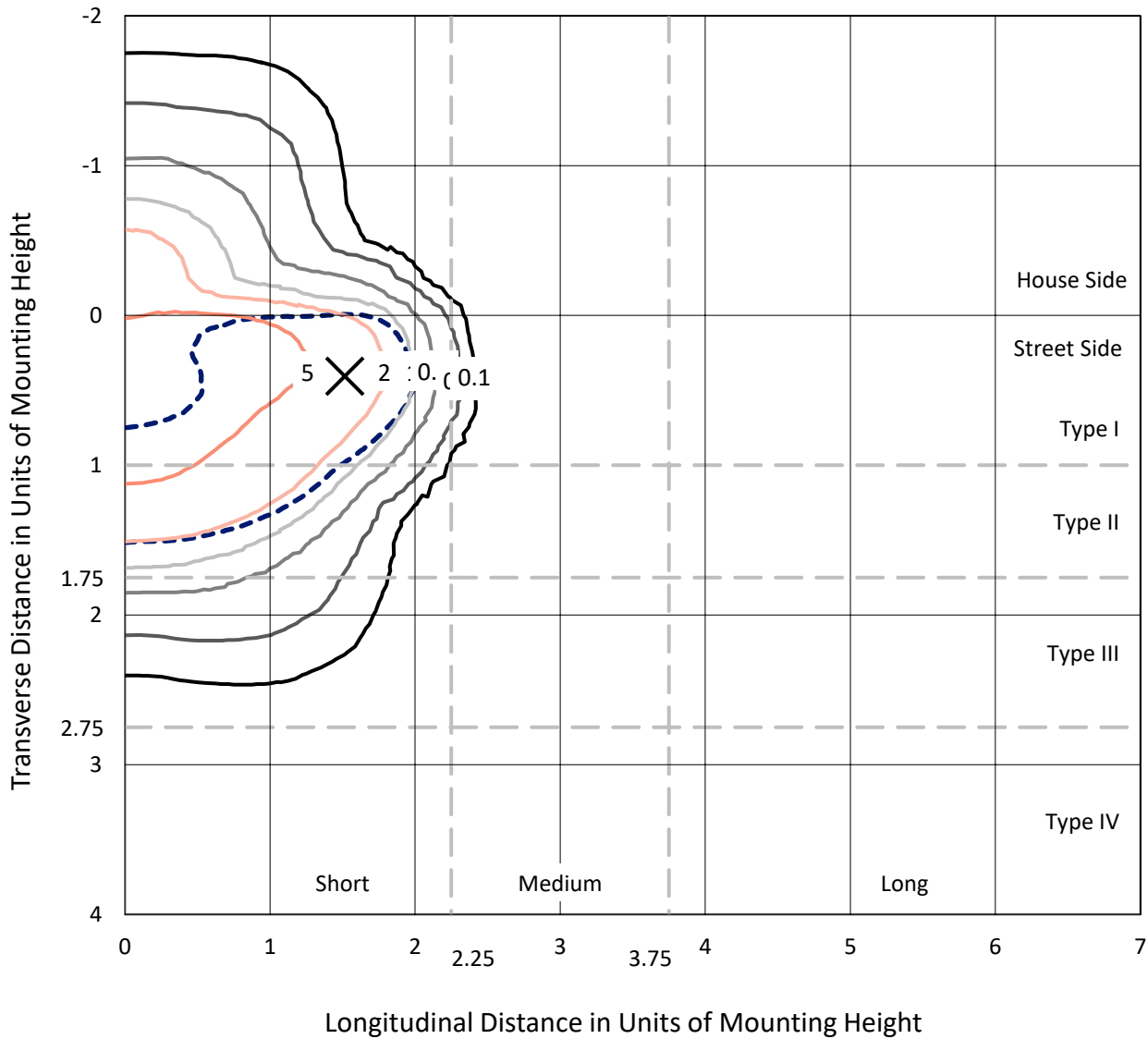
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

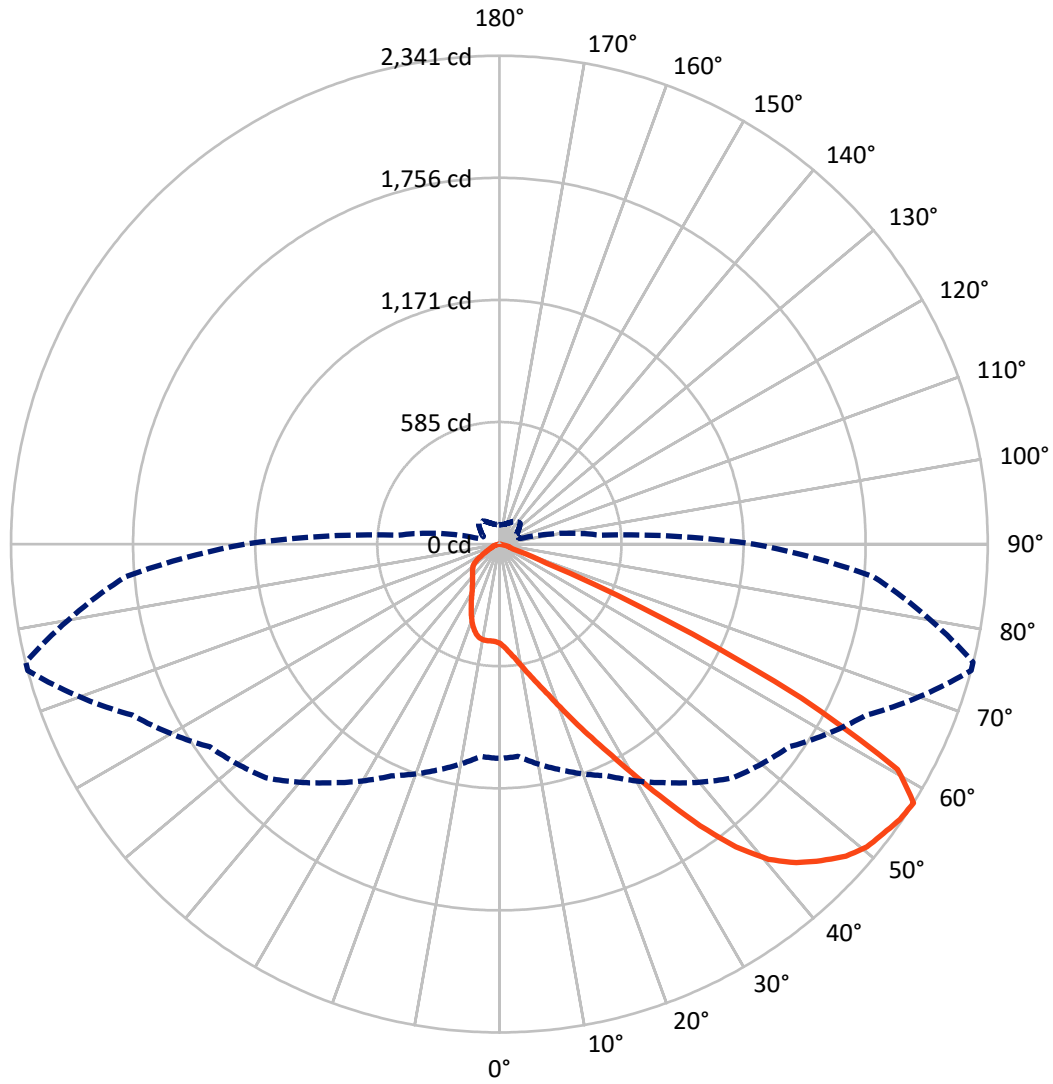
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA1C-740-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.4	0.0	466.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2388.7	0.0	2388.7
	% Fixture	83.7	0.0	83.7
Total	Lumens	2855.1	0.0	2855.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.7
10°-20°	157.4	5.5
20°-30°	288.2	10.1
30°-40°	478.2	16.8
40°-50°	730.4	25.6
50°-60°	820.7	28.7
60°-70°	302.7	10.6
70°-80°	28.9	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°	2855.1	100.0
0°-180°	2855.1	100.0

Coefficient of Utilization



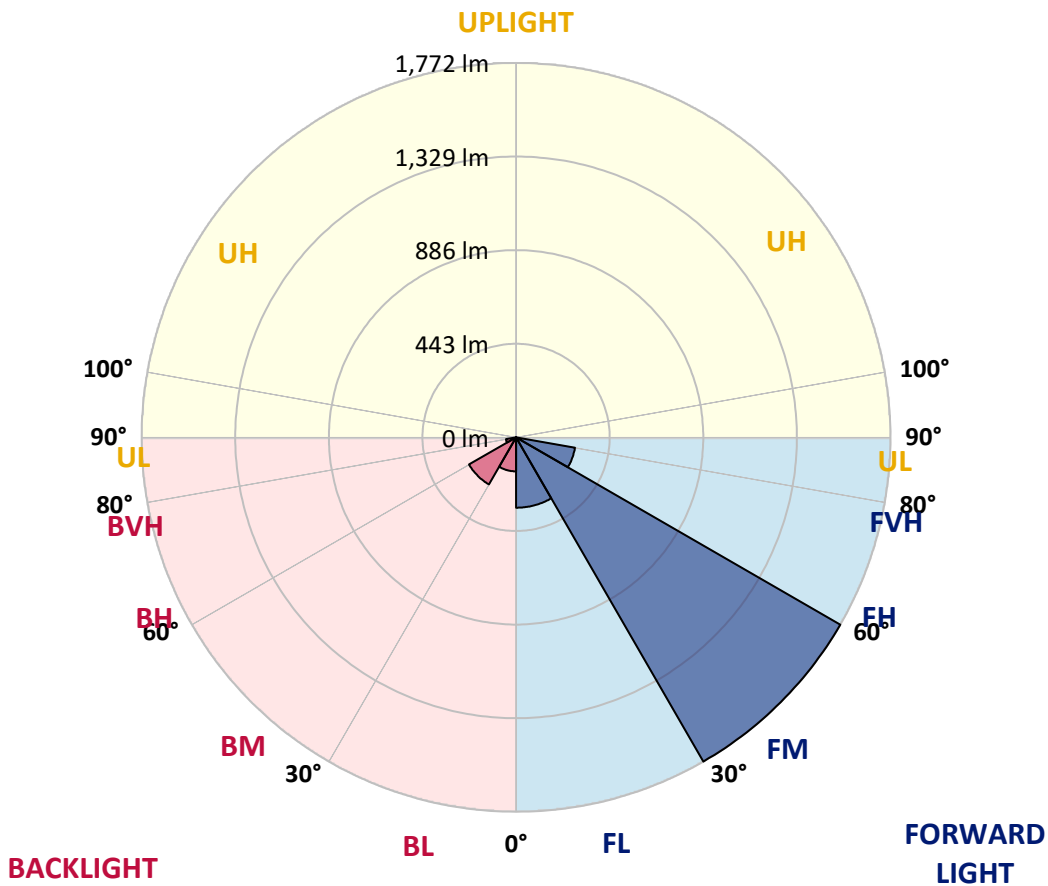
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.2	11.7			
FM (30°-60°)	1772.3	62.1			
FH (60°-80°)	283.2	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	160.9	5.6	B1/500		
BM (30°-60°)	257.0	9.0	B1/1000		
BH (60°-80°)	48.4	1.7	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: P629855

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2
2.5°	532.0	537.5	535.8	532.4	530.3	523.1	518.6	505.5	496.2	495.1	486.5
5°	599.2	598.2	596.8	592.7	589.2	577.8	564.4	542.3	522.7	520.3	502.0
7.5°	636.1	636.8	637.4	636.8	634.3	625.7	610.9	585.1	555.1	553.0	524.1
10°	651.2	652.6	656.1	662.6	668.5	667.8	659.2	632.6	595.8	592.3	553.4
12.5°	658.5	660.2	665.7	678.1	694.0	706.4	707.7	684.0	643.3	637.8	588.2
15°	668.5	670.2	677.1	693.3	716.4	740.8	756.7	741.5	696.0	690.2	626.4
17.5°	672.9	675.4	685.3	706.7	736.7	774.2	810.1	808.7	758.4	753.9	670.9
20°	681.6	683.3	692.2	715.3	751.5	805.6	865.9	887.6	834.5	828.0	724.6
22.5°	708.8	709.5	713.6	728.1	761.8	828.3	922.7	979.6	924.5	915.9	784.9
25°	753.2	752.9	754.6	757.0	781.8	851.4	977.5	1083.3	1027.5	1018.2	853.1
27.5°	809.7	809.7	813.9	807.0	817.0	880.0	1031.6	1202.5	1147.4	1134.3	927.9
30°	876.2	875.9	885.5	874.5	877.6	925.2	1089.9	1332.4	1292.1	1275.9	1014.1
32.5°	966.5	964.4	975.5	960.3	950.0	993.4	1160.8	1468.2	1465.4	1440.6	1122.3
35°	1080.6	1077.1	1080.6	1065.7	1047.1	1088.8	1253.9	1603.6	1657.7	1631.5	1251.1
37.5°	1193.9	1204.9	1208.7	1183.2	1168.1	1209.8	1365.9	1724.9	1841.4	1814.1	1385.2
40°	1327.6	1324.2	1337.3	1308.7	1299.0	1345.2	1475.4	1815.2	1986.8	1960.9	1504.4
42.5°	1426.2	1432.4	1448.6	1432.7	1425.1	1468.5	1567.4	1867.9	2087.7	2062.2	1589.5
45°	1544.3	1548.8	1555.0	1541.9	1534.0	1576.7	1633.9	1891.0	2164.6	2137.0	1646.7
47.5°	1672.2	1675.6	1675.6	1648.8	1623.3	1640.8	1678.4	1904.1	2235.2	2208.7	1689.1
50°	1763.8	1765.6	1780.7	1761.8	1706.3	1679.1	1698.7	1916.8	2282.1	2257.3	1702.8
52.5°	1682.5	1680.5	1730.4	1769.7	1784.5	1730.4	1733.9	1935.4	2304.8	2283.4	1713.9
55°	1416.9	1413.4	1483.7	1579.1	1709.7	1779.0	1776.2	1946.5	2330.0	2316.9	1753.8
57.5°	1027.2	1021.3	1119.2	1225.3	1396.5	1584.3	1694.6	1940.3	2341.0	2340.0	1800.4
60°	617.5	612.6	705.0	816.6	948.9	1137.8	1320.7	1738.0	2193.5	2195.6	1679.4
62.5°	380.1	384.5	467.9	524.8	574.0	630.9	736.7	1169.1	1625.0	1638.4	1180.1
65°	255.7	259.1	336.3	408.0	408.0	333.5	286.3	558.9	866.9	844.2	558.2
67.5°	171.6	175.4	236.4	320.1	332.2	232.6	116.1	166.8	241.5	234.3	138.2
70°	101.0	105.1	157.5	219.5	241.9	161.9	77.5	70.6	68.6	66.5	53.8
72.5°	45.1	46.9	80.3	111.6	102.0	68.2	54.8	56.5	53.4	52.4	43.8
75°	13.8	14.5	20.7	24.1	24.5	24.5	33.1	44.4	42.0	42.4	33.8
77.5°	3.4	3.4	5.5	5.2	2.8	2.4	6.2	10.0	10.3	9.3	6.9
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
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



REPORT NUMBER: P629855

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2	476.2
2.5°	482.7	473.8	467.9	459.7	453.8	447.6	442.1	437.6	435.2	434.5	434.8
5°	493.8	479.6	465.9	450.0	439.0	428.6	420.4	413.8	410.7	409.7	409.7
7.5°	510.6	491.0	466.5	441.7	423.1	406.9	397.3	390.0	387.3	386.6	384.5
10°	532.7	505.8	465.5	426.9	400.7	383.8	377.0	374.9	375.9	376.3	375.9
12.5°	559.2	521.3	459.0	405.2	377.0	366.6	367.3	372.8	379.0	382.1	382.8
15°	587.5	535.5	444.1	379.4	356.6	356.3	366.3	379.0	391.1	396.3	397.6
17.5°	619.2	546.8	421.4	351.8	339.1	349.0	367.0	386.6	402.8	411.4	413.1
20°	654.0	556.1	392.5	326.0	323.5	341.5	366.3	390.4	410.4	420.0	421.7
22.5°	690.2	562.7	359.0	302.2	309.4	332.9	359.7	383.2	402.1	413.1	414.5
25°	731.5	563.4	324.9	282.2	296.3	321.1	343.9	363.2	379.0	388.7	389.7
27.5°	767.7	555.1	294.6	266.0	284.3	306.7	321.8	332.5	343.5	349.0	349.4
30°	809.4	540.6	266.0	252.9	271.9	288.7	296.3	298.7	299.8	300.8	299.4
32.5°	859.0	523.1	244.6	240.2	257.7	269.1	271.2	266.3	260.5	252.2	250.2
35°	920.0	507.2	227.1	227.8	242.2	249.1	247.4	237.1	225.7	215.7	214.0
37.5°	986.1	493.8	213.6	215.7	225.3	230.2	225.0	213.6	208.5	199.8	200.2
40°	1044.7	482.7	201.6	203.6	208.1	212.6	204.3	196.7	206.4	205.7	206.4
42.5°	1086.4	473.4	191.2	190.2	193.3	196.4	190.2	186.4	202.6	198.1	200.5
45°	1110.9	464.8	182.6	176.4	181.2	186.8	182.6	177.8	183.3	162.6	160.9
47.5°	1127.4	460.0	175.0	163.0	171.6	181.2	172.6	160.9	153.0	135.1	133.7
50°	1129.1	457.6	166.1	149.2	160.2	170.6	160.6	144.4	133.0	125.1	124.0
52.5°	1138.1	462.4	153.7	131.6	143.7	160.2	153.3	137.1	121.6	114.7	113.4
55°	1178.1	482.7	133.0	107.5	125.1	152.3	147.5	122.3	107.5	103.4	102.3
57.5°	1219.4	486.9	104.7	85.1	108.9	140.9	134.7	112.7	98.2	93.4	92.3
60°	1115.0	401.1	78.6	70.3	96.1	130.2	124.7	106.8	89.9	84.1	83.0
62.5°	732.5	216.7	62.4	59.6	81.0	110.3	113.7	96.5	80.3	74.1	73.7
65°	337.7	100.6	47.9	47.2	63.4	87.9	97.9	84.4	67.9	62.4	62.4
67.5°	92.0	50.0	37.6	34.8	43.1	58.9	71.3	63.1	48.2	41.7	41.3
70°	45.8	40.3	33.8	30.0	31.0	36.5	42.0	35.1	24.5	20.0	19.6
72.5°	37.6	33.1	28.6	25.5	23.4	22.4	21.7	17.6	11.4	8.6	8.3
75°	27.9	23.8	20.3	16.5	14.1	13.1	11.7	8.6	4.8	2.8	2.4
77.5°	6.2	5.9	5.5	4.1	3.8	3.1	2.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	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)