

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: P629974

Luminaire Tested: GWS-SA1C-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4852.6 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

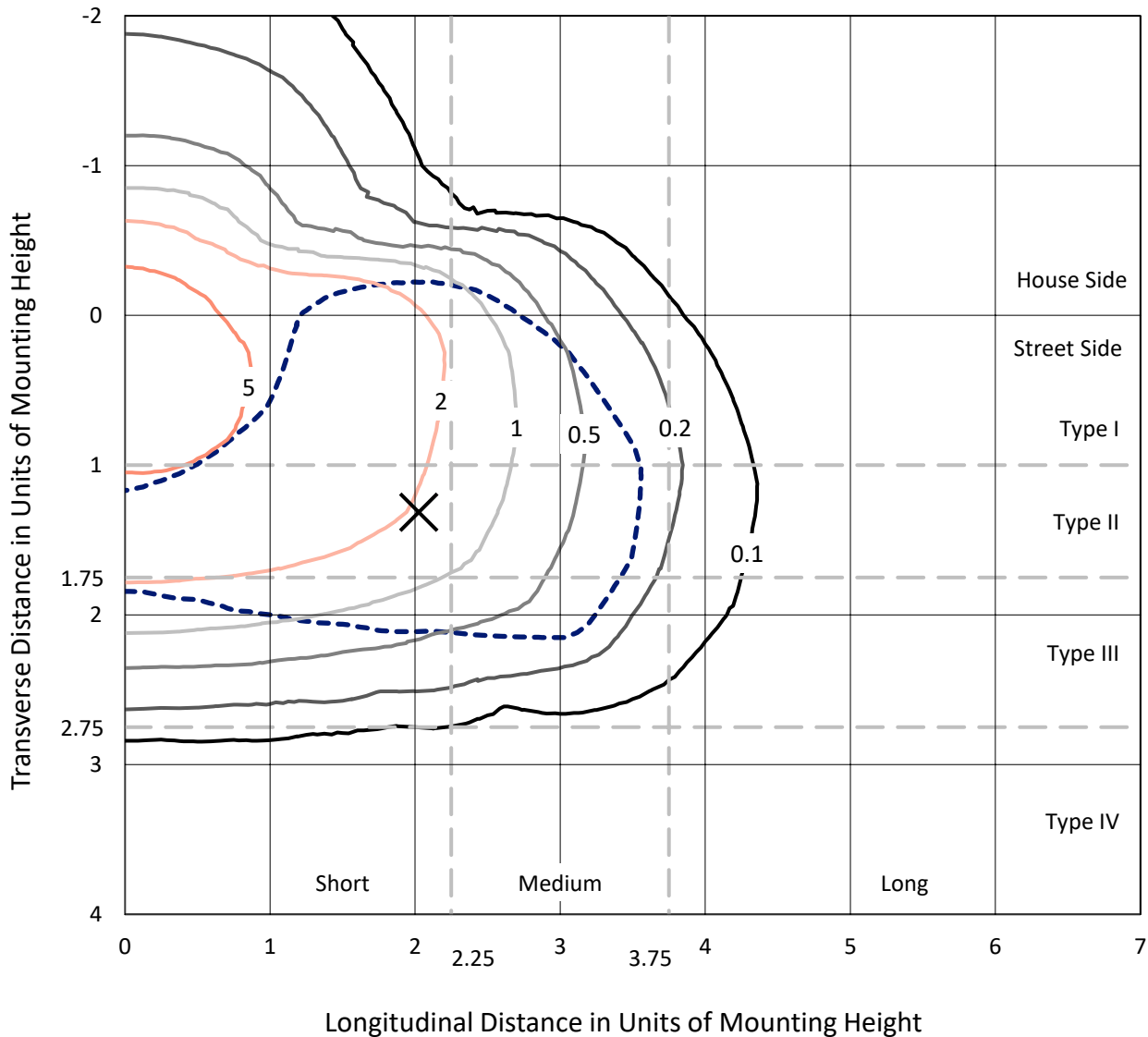
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

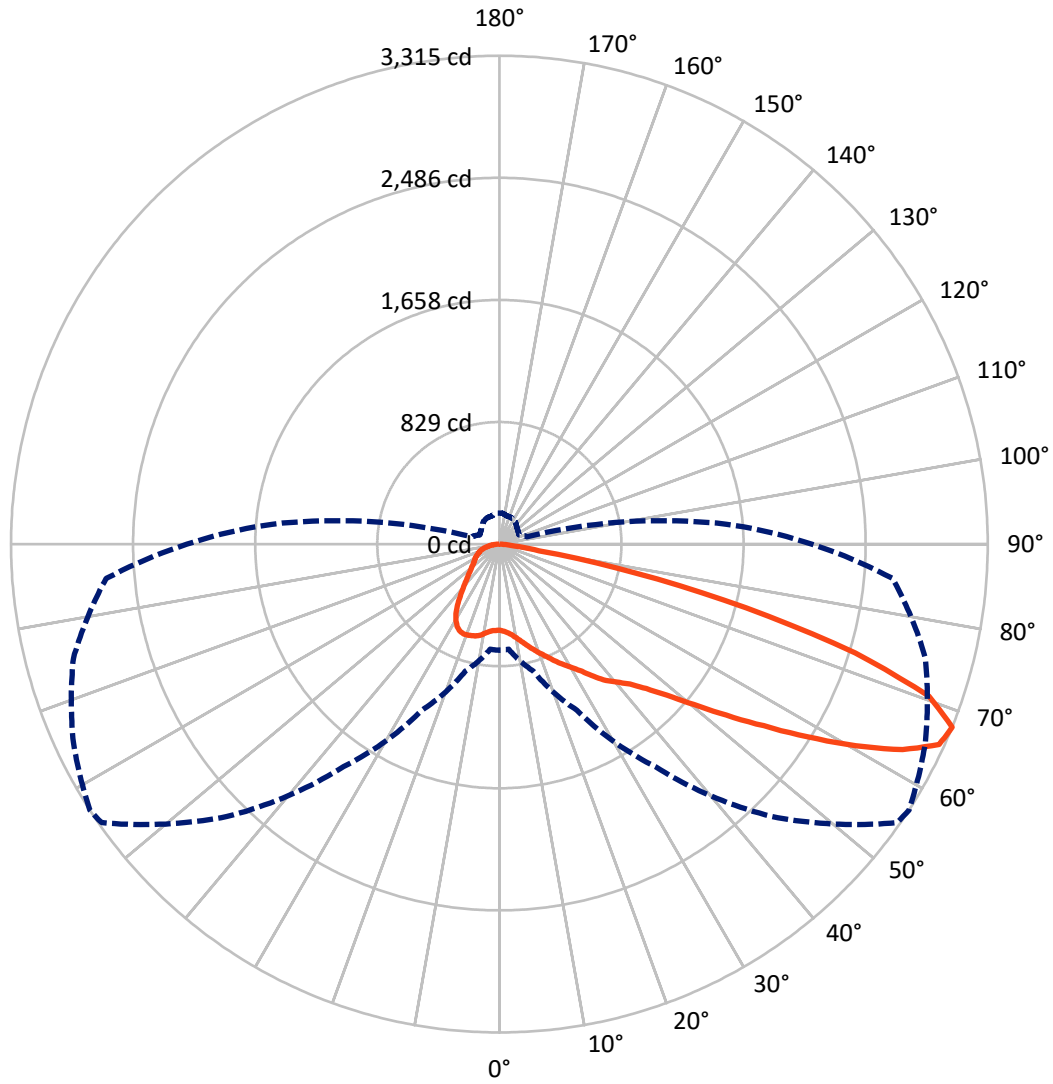
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1066.9	0.0	1066.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3785.7	0.0	3785.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	4852.6	0.0	4852.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.2
10°-20°	192.0	4.0
20°-30°	342.3	7.1
30°-40°	497.6	10.3
40°-50°	720.2	14.8
50°-60°	1127.1	23.2
60°-70°	1314.8	27.1
70°-80°	548.9	11.3
80°-90°	51.8	1.1
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°	4852.6	100.0
0°-180°	4852.6	100.0

Coefficient of Utilization



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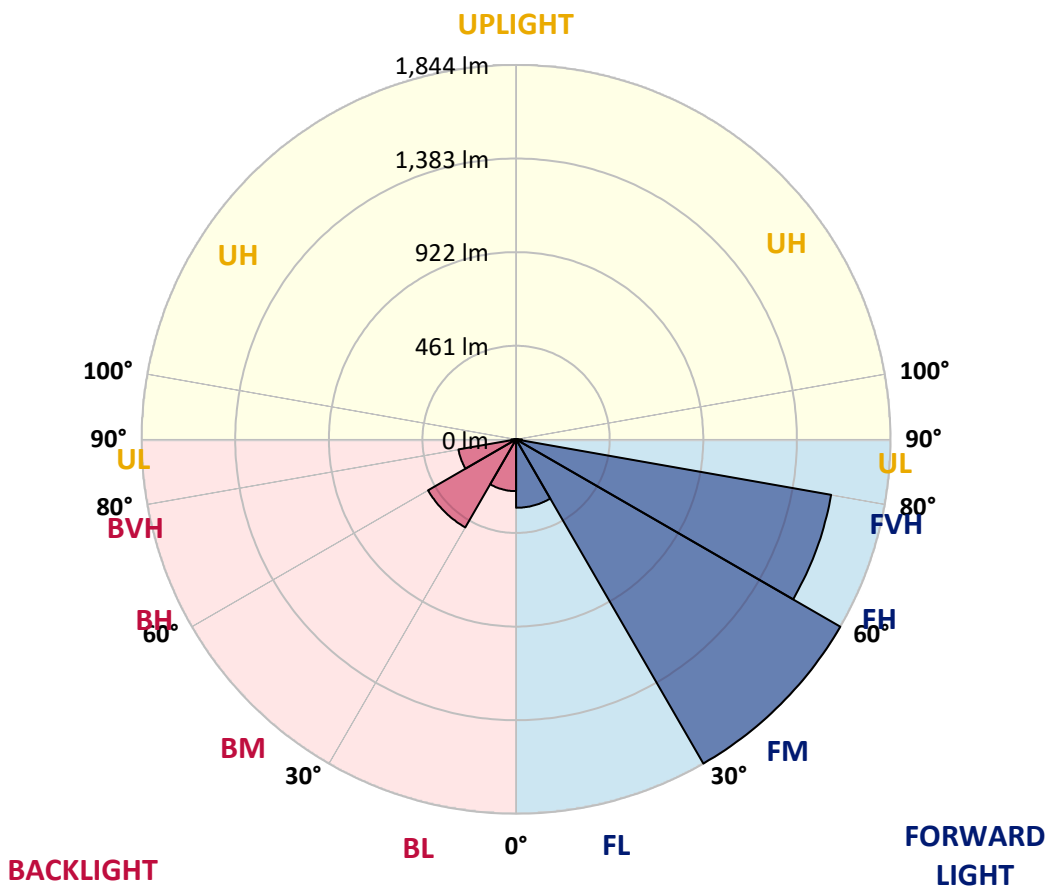
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.1	6.9			
FM (30°-60°)	1844.1	38.0			
FH (60°-80°)	1575.7	32.5			G1/1800
FVH (80°-90°)	28.9	0.6			G1/100
BL (0°-30°)	255.2	5.3	B1/500		
BM (30°-60°)	500.8	10.3	B1/1000		
BH (60°-80°)	288.0	5.9	B1/500		G1/500
BVH (80°-90°)	22.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7
2.5°	593.0	592.4	592.0	594.1	593.4	593.0	593.0	592.7	592.0	589.2	585.4
5°	609.4	608.0	606.6	608.3	607.0	605.6	605.2	604.5	602.1	597.9	592.0
7.5°	626.4	625.0	625.4	626.4	625.4	624.7	623.6	622.9	619.1	612.5	604.5
10°	650.4	650.4	651.1	652.1	652.5	651.4	649.4	648.3	643.8	635.5	624.3
12.5°	685.2	684.5	684.5	683.8	684.8	683.8	681.7	680.0	674.4	663.6	647.6
15°	731.1	728.3	725.8	721.3	719.9	716.1	716.8	715.8	710.5	695.9	675.8
17.5°	780.1	779.7	775.9	766.9	757.8	751.6	753.0	752.6	749.8	730.0	704.3
20°	823.2	824.9	821.4	814.5	802.3	790.5	789.8	791.5	788.1	768.3	732.4
22.5°	871.5	870.1	866.6	857.6	848.6	836.0	831.9	830.5	829.1	806.5	761.3
25°	917.4	921.6	917.0	908.7	894.8	881.2	877.8	879.1	875.3	845.4	792.2
27.5°	975.4	977.2	974.4	962.9	951.1	932.0	925.4	925.4	924.0	881.9	816.6
30°	1037.3	1042.2	1037.3	1027.9	1015.8	988.3	974.0	972.7	968.5	919.5	845.1
32.5°	1099.5	1103.0	1099.5	1090.5	1076.6	1052.6	1032.1	1029.0	1023.4	960.5	874.3
35°	1154.8	1157.9	1157.2	1159.3	1147.9	1117.6	1105.1	1103.7	1089.1	1014.0	913.9
37.5°	1215.3	1219.1	1213.9	1218.1	1213.6	1185.1	1181.2	1174.3	1153.4	1064.4	955.6
40°	1284.1	1287.6	1279.3	1281.0	1275.8	1259.8	1240.3	1230.9	1200.0	1119.0	1021.3
42.5°	1357.8	1365.8	1369.6	1366.5	1354.3	1345.3	1311.2	1299.4	1273.7	1217.4	1129.4
45°	1464.5	1476.4	1481.9	1473.9	1468.7	1455.9	1414.1	1399.9	1386.3	1356.1	1280.3
47.5°	1579.6	1590.4	1608.1	1611.6	1615.8	1606.0	1547.3	1533.4	1535.8	1532.3	1465.9
50°	1671.4	1680.4	1720.4	1763.2	1798.6	1801.4	1726.3	1711.4	1724.6	1735.7	1689.5
52.5°	1738.1	1746.1	1799.0	1887.3	1967.6	2027.0	1946.0	1929.0	1939.7	1964.8	1943.6
55°	1792.4	1803.5	1858.8	1994.3	2156.7	2250.5	2198.7	2177.2	2172.7	2203.6	2215.8
57.5°	1820.9	1824.3	1901.9	2078.1	2295.4	2469.9	2492.5	2468.1	2425.0	2442.1	2505.3
60°	1755.9	1761.8	1867.8	2099.7	2404.9	2687.5	2800.8	2780.7	2688.9	2698.3	2768.1
62.5°	1576.1	1584.5	1712.1	1997.1	2413.9	2832.8	3085.5	3072.7	2949.6	2898.8	2919.7
65°	1264.3	1267.1	1399.2	1743.3	2234.2	2850.9	3284.0	3280.9	3131.8	3012.9	2923.5
67.5°	721.0	716.1	892.7	1243.5	1843.8	2615.9	3296.9	3315.3	3190.8	2994.1	2680.2
70°	312.5	313.2	394.6	613.6	1193.4	2114.3	3062.2	3093.9	3019.8	2681.6	2132.3
72.5°	144.6	146.7	181.8	265.6	509.6	1311.6	2497.0	2525.5	2461.9	2146.2	1551.5
75°	102.2	103.9	121.3	152.3	234.3	511.0	1670.3	1730.1	1761.1	1605.3	1022.4
77.5°	77.5	80.0	88.6	105.7	144.6	181.1	799.2	941.7	1121.8	998.7	526.7
80°	49.4	49.4	58.7	70.6	88.3	94.2	230.8	273.6	548.9	411.6	206.8
82.5°	33.4	34.4	40.0	44.8	50.8	53.5	99.1	105.7	158.5	140.1	85.2
85°	17.7	18.4	20.9	20.5	24.3	21.2	41.7	41.4	58.1	63.6	32.3
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	4.5	4.9	12.2	19.5	10.8
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°	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7	584.7
2.5°	587.5	583.3	585.4	584.7	586.8	586.8	583.0	581.9	582.3	578.1	576.7
5°	592.7	587.8	588.9	587.5	589.6	591.3	589.6	589.6	591.7	588.5	586.8
7.5°	604.5	599.0	599.0	597.2	599.7	601.0	599.7	601.7	605.6	602.4	600.7
10°	623.3	616.7	617.0	614.9	616.0	615.3	609.7	608.0	609.0	606.3	604.9
12.5°	647.6	638.6	638.6	634.4	632.0	624.7	613.2	609.0	609.7	607.3	606.3
15°	670.9	662.6	660.8	652.5	641.4	627.8	617.4	614.6	615.3	612.9	611.1
17.5°	698.4	687.6	681.3	666.0	645.5	631.6	621.2	614.6	609.0	603.5	602.1
20°	723.8	710.2	698.7	675.1	650.1	630.9	611.5	595.1	581.6	574.3	572.5
22.5°	749.8	732.4	712.3	681.3	649.7	618.4	582.6	557.9	537.8	527.0	529.1
25°	774.5	752.6	725.1	687.3	638.6	590.6	541.9	505.1	482.2	473.8	471.4
27.5°	795.0	767.9	737.0	684.5	615.6	550.6	486.3	445.3	423.1	413.7	411.2
30°	818.0	787.4	754.0	671.6	579.5	494.7	423.4	390.0	374.0	365.0	365.4
32.5°	844.4	812.4	778.0	646.9	533.3	434.2	371.6	348.7	335.8	326.8	325.4
35°	879.8	848.2	794.0	609.7	474.5	378.6	336.2	317.4	301.4	289.6	287.1
37.5°	923.6	902.1	795.7	560.0	411.6	340.3	310.8	290.6	271.1	255.5	253.8
40°	998.7	974.0	781.5	497.8	358.1	315.6	289.6	266.3	243.7	226.3	223.9
42.5°	1105.8	1055.0	750.9	427.6	317.7	296.2	269.4	239.9	216.9	204.8	203.0
45°	1242.1	1145.4	705.0	361.5	287.8	277.1	248.2	217.3	205.1	196.4	194.7
47.5°	1408.9	1250.8	652.1	310.1	264.5	259.7	226.7	209.6	198.8	191.5	189.8
50°	1608.5	1384.9	608.7	269.8	243.7	239.5	219.7	205.1	196.4	190.5	189.1
52.5°	1836.2	1534.1	587.5	240.9	225.6	221.4	217.3	204.1	196.8	192.2	190.5
55°	2072.5	1691.2	567.7	218.7	210.3	212.7	217.6	207.5	202.0	196.1	194.3
57.5°	2300.9	1838.6	519.0	201.3	199.2	208.6	219.4	211.0	204.4	198.5	196.4
60°	2458.4	1919.2	436.6	187.4	190.8	203.4	214.8	205.8	197.5	195.0	194.0
62.5°	2500.8	1909.5	338.9	173.1	180.8	191.9	203.0	197.1	188.4	192.2	192.6
65°	2401.7	1805.2	254.5	159.2	167.6	176.9	190.8	188.4	185.3	195.7	196.1
67.5°	2121.2	1549.0	194.0	147.0	154.0	165.5	187.0	197.1	197.8	211.0	209.6
70°	1605.0	1157.2	151.9	135.6	143.6	165.5	199.2	203.7	195.4	207.5	204.8
72.5°	1109.6	763.7	129.3	125.5	130.7	157.8	198.8	198.8	189.8	189.8	184.6
75°	689.3	449.1	112.6	112.6	112.6	138.0	193.3	183.2	167.2	159.9	155.7
77.5°	340.3	218.3	94.6	98.0	94.2	115.4	157.8	149.8	140.1	132.4	129.7
80°	145.3	109.2	76.5	80.3	75.8	86.9	125.1	123.4	114.0	103.9	100.8
82.5°	66.7	56.3	61.2	62.9	55.3	65.4	91.4	91.4	86.2	72.3	67.1
85°	28.5	29.9	42.4	42.4	34.8	36.8	49.0	46.6	41.7	34.1	31.3
87.5°	9.7	14.6	21.6	18.8	7.3	3.1	1.7	0.7	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)