

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: P629475

Luminaire Tested: GWS-SA1B-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182.4 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 25
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

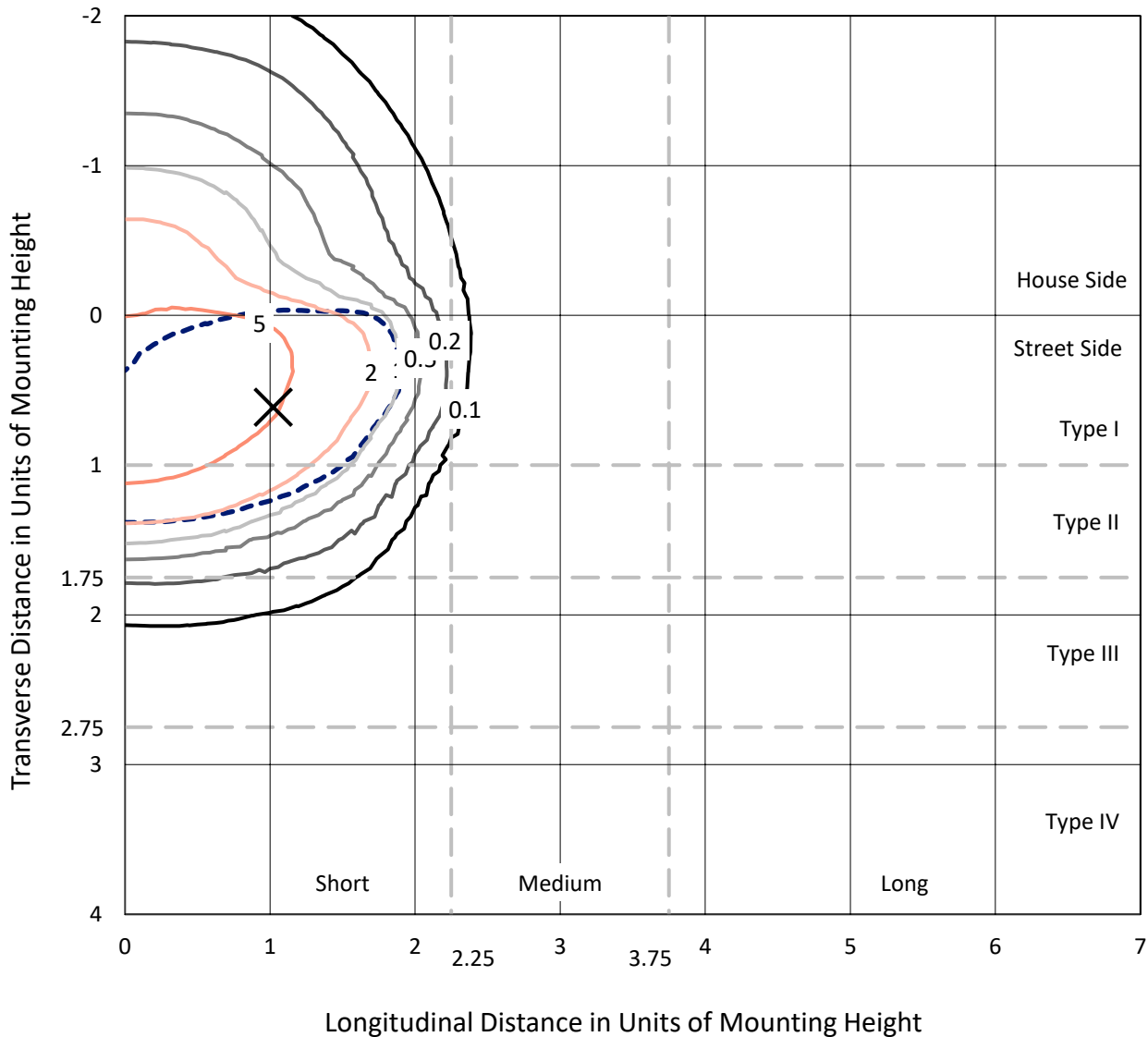


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Iso-Footcandle Lines of Horizontal Illumination

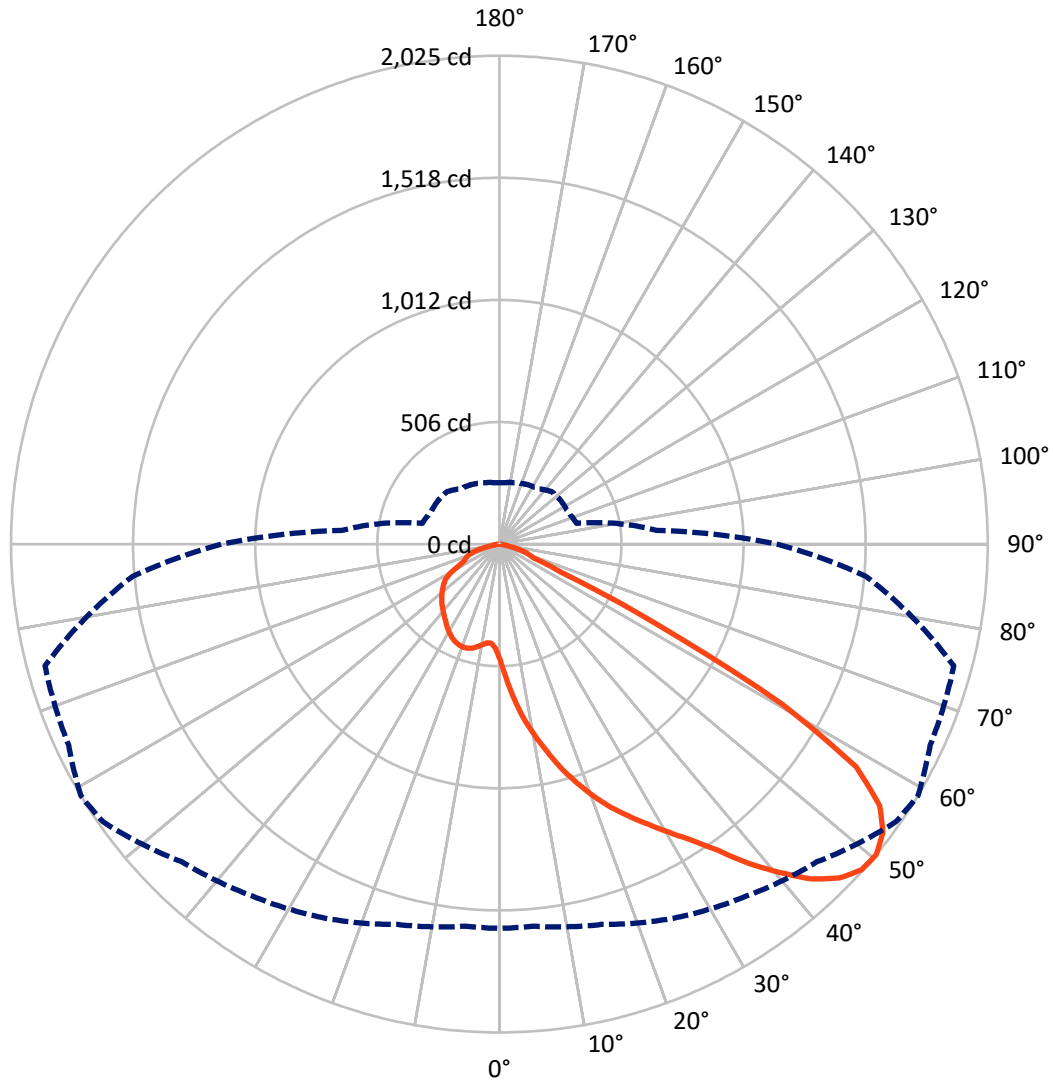
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.0	0.0	732.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	2450.4	0.0	2450.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	3182.4	0.0	3182.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.7
10°-20°	196.4	6.2
20°-30°	371.8	11.7
30°-40°	616.6	19.4
40°-50°	842.3	26.5
50°-60°	764.6	24.0
60°-70°	254.6	8.0
70°-80°	74.3	2.3
80°-90°	7.8	0.2
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°	3182.4	100.0
0°-180°	3182.4	100.0

Coefficient of Utilization



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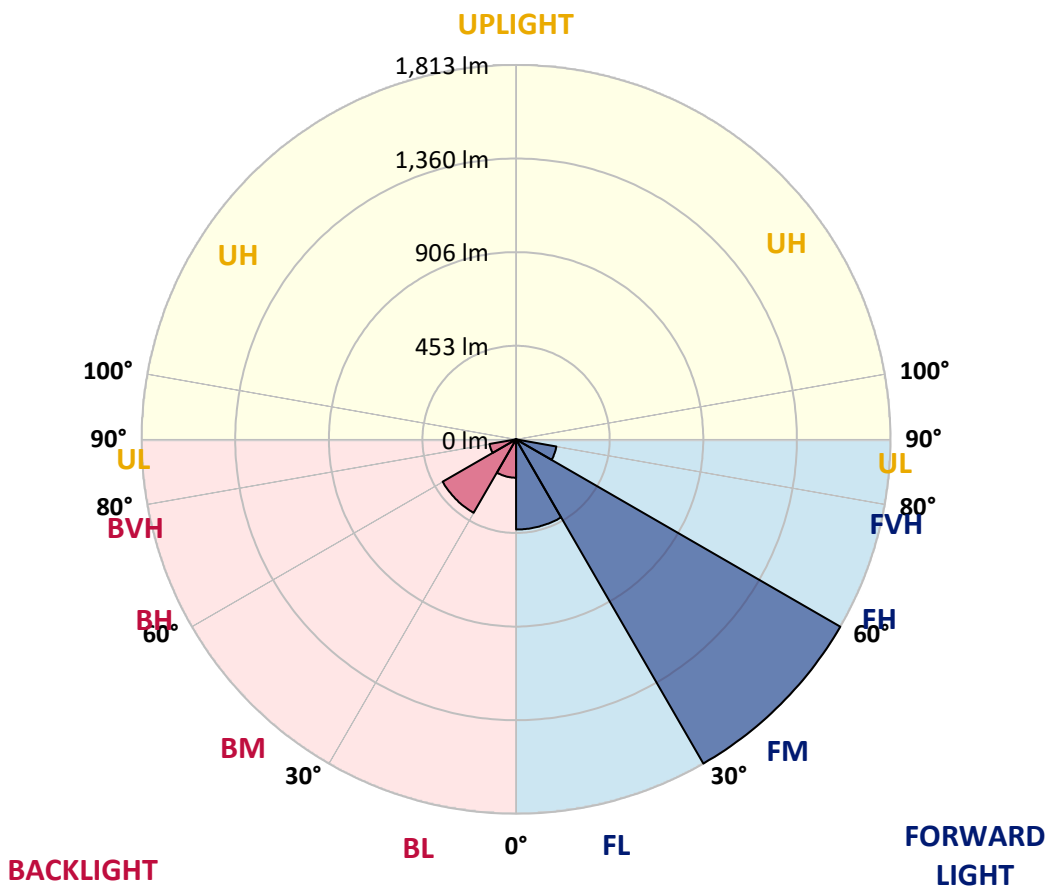
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.4	13.7			
FM (30°-60°)	1812.7	57.0			
FH (60°-80°)	198.2	6.2			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	185.9	5.8	B1/500		
BM (30°-60°)	410.7	12.9	B1/1000		
BH (60°-80°)	130.7	4.1	B1/500		G1/500
BVH (80°-90°)	4.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2
2.5°	624.7	629.4	622.1	622.7	604.5	596.2	572.9	559.1	550.1	524.7	501.6
5°	750.7	745.3	739.6	736.2	720.4	698.1	669.1	646.0	624.7	575.0	527.0
7.5°	828.0	825.1	821.2	819.1	803.6	780.3	751.2	731.5	700.7	633.3	557.8
10°	893.5	890.2	887.8	889.4	876.7	861.7	830.0	807.5	772.7	695.0	595.2
12.5°	944.4	946.2	946.9	955.2	949.8	940.7	908.1	884.2	845.6	760.0	639.0
15°	984.5	984.0	993.1	1008.9	1017.7	1012.0	985.8	965.9	918.7	824.1	686.2
17.5°	993.9	994.4	1008.6	1036.4	1065.2	1079.1	1064.4	1040.5	993.9	887.3	735.2
20°	1001.4	1002.4	1017.2	1048.8	1090.8	1130.0	1132.3	1115.2	1075.0	955.8	784.9
22.5°	1048.8	1051.2	1055.0	1075.0	1112.8	1162.4	1189.6	1185.9	1152.2	1027.6	838.6
25°	1173.5	1166.5	1147.6	1141.9	1156.4	1196.6	1243.0	1250.0	1233.4	1106.6	896.4
27.5°	1327.5	1320.0	1292.0	1262.4	1231.1	1245.1	1294.6	1315.6	1315.8	1193.7	954.5
30°	1467.2	1461.2	1438.4	1396.2	1342.0	1321.8	1358.3	1386.6	1403.4	1294.3	1020.6
32.5°	1586.7	1581.3	1550.4	1515.9	1463.1	1422.4	1435.6	1462.8	1502.2	1424.4	1102.7
35°	1687.3	1681.8	1652.3	1617.6	1568.6	1544.2	1539.5	1558.2	1609.3	1560.3	1197.1
37.5°	1768.9	1763.5	1732.7	1700.0	1662.7	1664.2	1671.2	1680.3	1709.6	1705.7	1297.9
40°	1821.8	1816.1	1794.1	1770.8	1747.2	1765.8	1800.6	1789.7	1805.2	1823.1	1390.7
42.5°	1845.4	1838.2	1825.5	1820.3	1813.0	1842.0	1908.9	1898.0	1879.4	1901.4	1459.7
45°	1821.8	1815.6	1815.3	1831.2	1848.0	1885.3	1983.8	1975.0	1927.8	1939.3	1500.9
47.5°	1749.5	1744.1	1758.8	1800.3	1841.8	1896.2	2017.3	2018.8	1962.3	1955.1	1527.6
50°	1593.2	1589.6	1632.3	1710.9	1782.4	1862.3	2006.7	2024.5	1970.6	1950.1	1524.2
52.5°	1275.4	1292.2	1385.3	1516.5	1655.4	1802.6	1967.2	1990.6	1930.7	1917.7	1506.1
55°	873.1	880.8	973.9	1165.5	1385.8	1673.5	1876.8	1912.8	1883.5	1912.3	1525.0
57.5°	452.1	458.3	531.7	701.7	939.9	1322.6	1625.6	1743.8	1788.4	1939.8	1583.9
60°	185.6	190.8	221.1	303.3	474.1	770.2	1169.9	1345.1	1449.8	1771.5	1406.5
62.5°	134.8	137.4	151.9	180.9	248.3	377.4	662.1	726.6	800.2	1110.3	893.0
65°	113.5	116.4	128.1	145.7	181.2	231.5	282.8	284.4	313.4	452.3	331.0
67.5°	95.1	97.7	108.1	123.1	146.5	164.3	151.9	152.2	151.6	164.1	158.6
70°	74.1	76.2	86.6	102.7	114.8	105.5	118.7	131.4	126.0	130.9	138.4
72.5°	54.2	56.5	65.6	77.8	74.7	75.2	96.2	109.1	106.0	111.5	118.5
75°	39.1	40.7	45.4	38.9	41.0	49.5	67.7	74.7	77.8	82.4	88.7
77.5°	12.7	12.7	14.3	17.9	22.3	27.5	34.5	37.3	42.0	47.2	51.6
80°	6.5	6.7	8.0	9.9	12.4	15.8	20.2	21.5	23.8	26.7	28.5
82.5°	3.1	3.4	3.9	4.9	6.5	8.3	11.1	12.4	14.0	15.8	17.1
85°	0.8	0.8	1.0	1.6	2.1	3.1	4.1	4.9	6.2	7.5	8.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.0	1.3	1.6	2.1
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°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2
2.5°	491.2	476.7	458.0	442.2	427.7	416.6	407.0	402.3	397.9	394.8	395.8
5°	504.7	479.8	445.1	421.0	406.2	398.7	393.5	390.9	390.4	388.3	387.5
7.5°	524.4	488.9	442.5	418.1	408.3	404.4	401.5	400.0	400.8	398.7	397.9
10°	548.8	503.9	449.0	427.5	418.9	416.1	412.9	410.9	409.8	406.7	406.2
12.5°	579.1	522.6	460.6	439.4	430.8	425.9	421.8	418.1	415.8	411.9	410.9
15°	611.8	543.3	474.4	451.0	440.9	433.7	426.9	421.5	417.4	412.2	411.4
17.5°	647.3	565.1	485.8	459.1	446.1	436.5	426.7	418.6	412.9	406.2	405.4
20°	684.4	587.1	494.3	463.0	446.4	433.4	420.2	409.6	402.3	395.6	395.1
22.5°	722.7	607.4	499.5	461.9	442.2	426.2	410.4	398.4	389.9	381.8	381.3
25°	761.3	626.8	500.8	457.8	433.9	415.3	399.5	385.5	375.9	366.8	365.8
27.5°	800.5	643.1	497.7	449.5	422.8	402.6	386.8	373.0	363.2	354.1	352.5
30°	842.2	657.1	491.0	438.6	409.8	389.1	373.5	363.2	353.8	344.8	343.2
32.5°	886.8	669.3	481.4	425.4	394.8	375.6	364.2	354.9	345.5	337.5	336.0
35°	939.9	677.4	467.1	408.3	380.8	365.8	358.0	347.1	335.7	326.9	326.1
37.5°	994.9	683.6	450.0	391.9	368.6	360.1	353.6	338.8	324.5	313.9	312.6
40°	1048.0	688.8	428.8	376.7	357.5	355.9	347.1	328.7	304.1	292.1	291.1
42.5°	1097.6	690.3	406.5	360.3	347.4	346.6	336.7	308.2	289.3	281.8	280.7
45°	1131.5	689.0	383.4	345.0	337.3	333.1	322.7	293.4	281.8	275.0	273.7
47.5°	1156.7	682.3	357.5	329.0	325.8	320.1	297.8	284.1	273.2	266.5	265.2
50°	1152.2	654.3	331.3	313.4	312.1	307.2	279.7	272.4	262.9	255.6	254.6
52.5°	1129.4	601.1	304.6	296.3	298.9	289.3	266.7	258.4	250.2	241.9	240.0
55°	1135.1	562.8	284.4	279.7	284.4	262.6	252.2	243.4	235.6	227.6	226.0
57.5°	1160.0	524.9	262.9	261.8	266.7	242.1	233.6	222.4	211.3	204.8	204.8
60°	974.2	382.6	225.0	227.6	238.7	225.5	218.0	206.6	194.4	188.7	188.7
62.5°	576.0	240.0	186.6	183.8	190.8	199.1	203.2	193.9	179.4	171.9	172.1
65°	253.8	174.7	164.6	162.3	160.2	165.9	177.3	178.1	162.8	154.0	154.2
67.5°	156.3	158.1	154.0	152.2	150.3	149.3	148.3	148.8	144.6	136.6	136.4
70°	141.0	145.9	143.1	141.5	139.2	137.4	131.2	121.1	114.1	112.0	114.3
72.5°	121.3	128.1	126.5	125.7	122.9	118.5	110.2	100.3	92.0	86.8	87.9
75°	91.5	96.9	97.7	98.0	94.9	90.7	82.2	73.9	66.6	61.2	62.5
77.5°	52.6	55.7	56.5	57.3	55.0	53.4	47.7	41.7	37.8	32.1	33.7
80°	29.3	30.6	30.6	30.8	29.6	27.7	23.8	20.5	18.7	16.1	16.3
82.5°	17.6	18.1	18.4	18.7	17.9	16.1	13.2	10.9	9.9	8.6	8.3
85°	8.6	9.1	9.1	9.3	8.0	7.0	5.4	4.1	3.6	2.6	2.9
87.5°	2.1	2.3	2.3	2.1	1.8	1.3	0.8	0.3	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)