

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: P629966

Luminaire Tested: GWS-SA1C-760-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629966  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

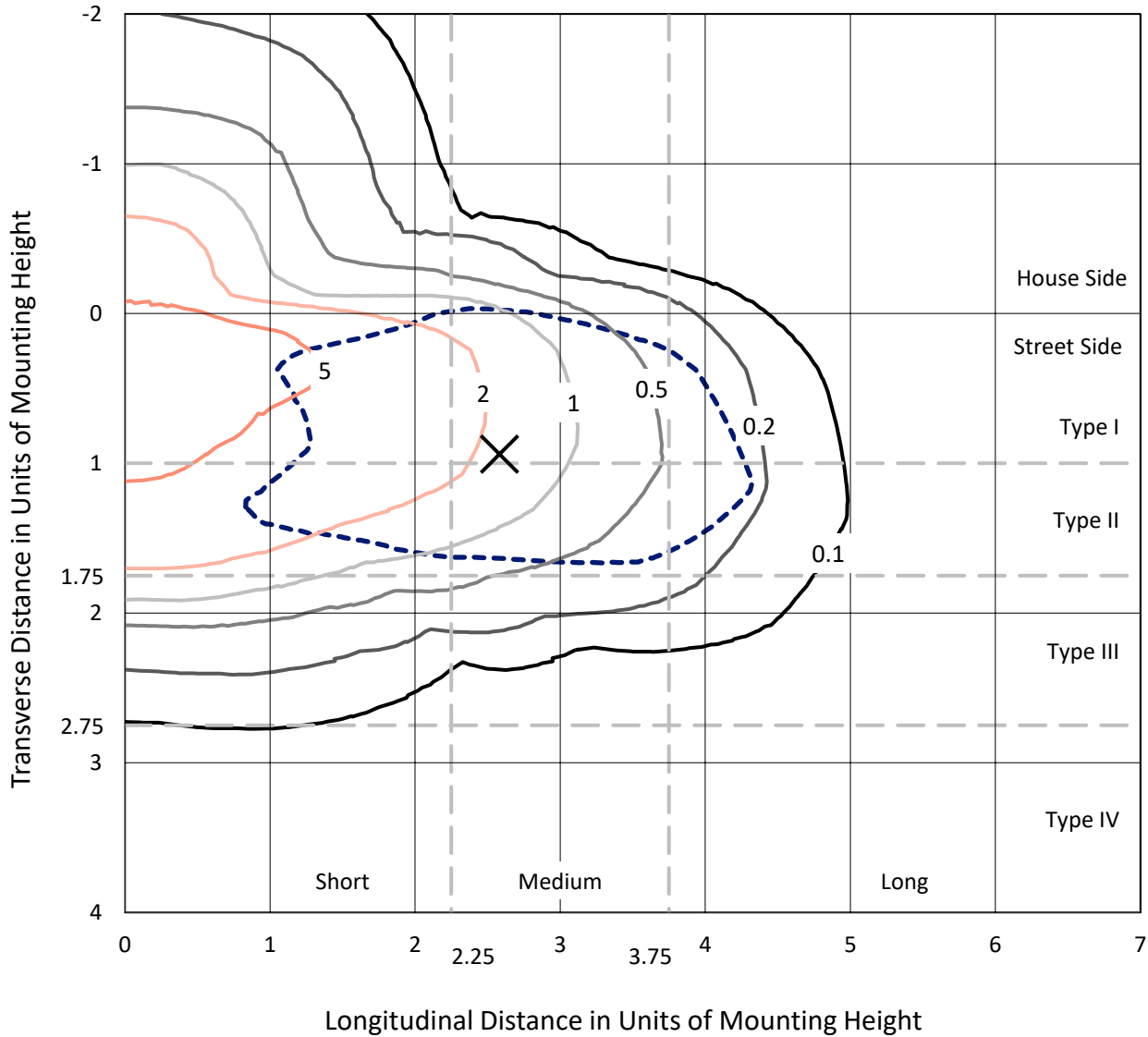
Lumens per Lamp: N/A  
Luminaire Lumens: 4811.3 lumens  
Efficiency: N/A  
Efficacy: 141.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

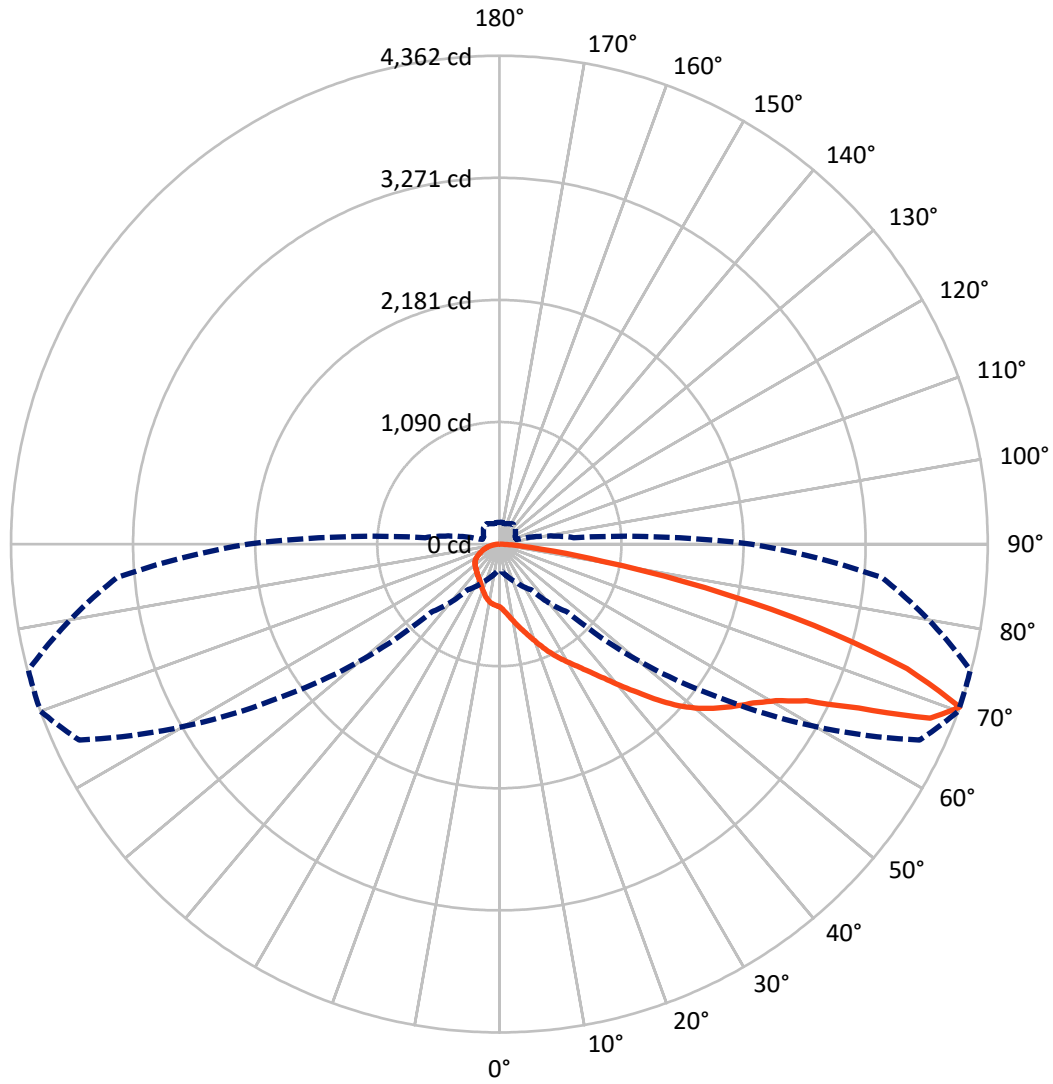
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	862.2	0.0	862.2
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	3949.1	0.0	3949.1
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	4811.3	0.0	4811.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.0	1.2
10°-20°	185.5	3.9
20°-30°	328.6	6.8
30°-40°	494.6	10.3
40°-50°	748.3	15.6
50°-60°	1072.0	22.3
60°-70°	1185.0	24.6
70°-80°	668.7	13.9
80°-90°	71.5	1.5
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°	4811.3	100.0
0°-180°	4811.3	100.0

**Coefficient of Utilization**



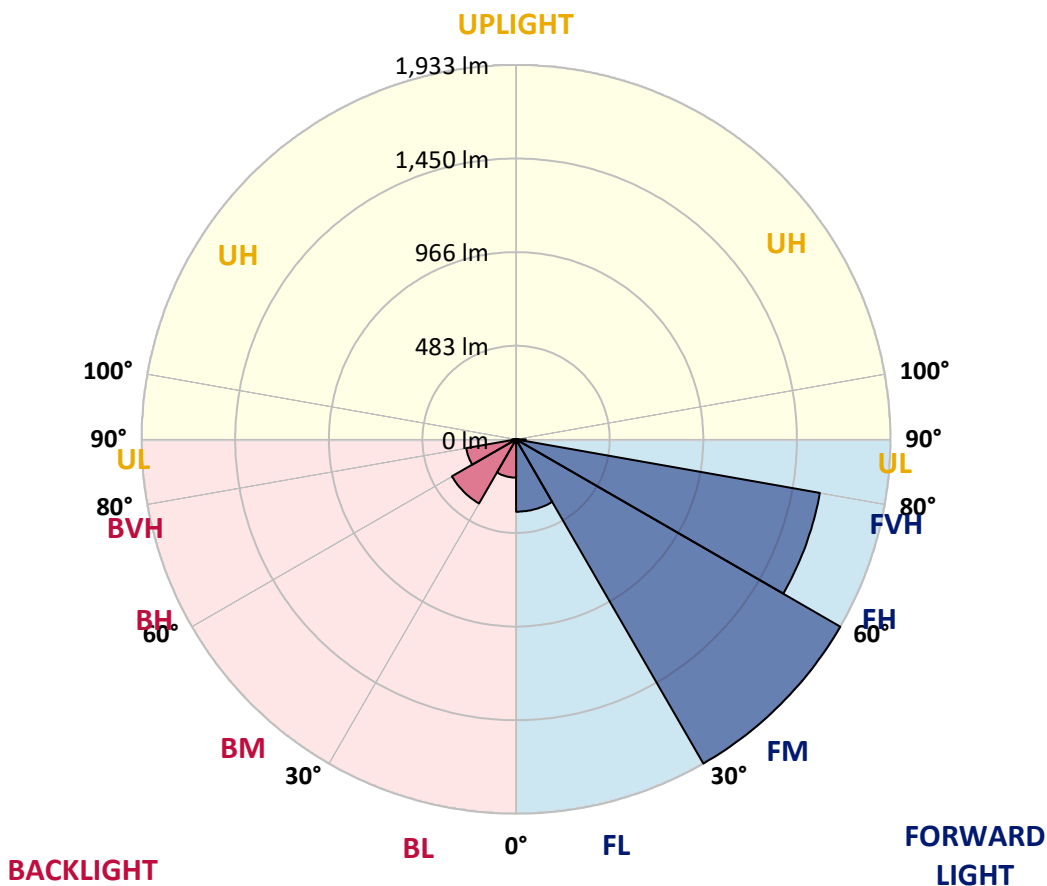
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.5	7.8			
FM (30°-60°)	1932.7	40.2			
FH (60°-80°)	1592.3	33.1			G1/1800
FVH (80°-90°)	50.6	1.1			G1/100
BL (0°-30°)	197.7	4.1	B1/500		
BM (30°-60°)	382.2	7.9	B1/1000		
BH (60°-80°)	261.3	5.4	B1/500		G1/500
BVH (80°-90°)	21.0	0.4			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1
2.5°	621.6	620.5	621.2	620.5	616.7	607.3	599.7	590.0	583.3	579.5	570.5
5°	694.6	693.5	691.1	687.6	680.7	667.8	648.7	627.5	614.6	604.9	585.8
7.5°	747.1	747.1	746.7	742.6	737.7	724.1	701.5	673.7	655.0	638.3	607.0
10°	773.9	775.6	778.0	783.9	782.9	775.6	754.4	724.5	700.9	681.4	634.8
12.5°	788.5	789.5	793.7	805.8	818.4	820.1	807.6	776.3	750.6	724.5	665.7
15°	807.2	807.6	813.1	827.7	846.2	864.6	861.5	830.2	803.8	774.9	700.2
17.5°	821.8	824.3	834.3	851.4	874.3	899.7	915.0	895.5	862.9	829.8	737.7
20°	827.0	828.8	842.0	868.1	899.4	935.2	969.2	964.0	931.0	892.1	780.1
22.5°	845.8	845.8	855.6	877.5	914.3	966.4	1021.7	1035.3	1006.1	960.5	825.7
25°	887.2	885.8	890.3	899.4	927.2	991.5	1073.5	1114.2	1081.5	1030.4	871.2
27.5°	943.9	943.2	942.8	944.2	953.6	1013.4	1117.3	1187.9	1155.2	1097.5	911.9
30°	1005.4	1003.3	1007.8	1003.6	1001.6	1039.5	1154.5	1254.0	1228.6	1163.9	945.6
32.5°	1089.2	1085.3	1084.3	1070.7	1062.4	1080.1	1184.4	1329.0	1308.9	1235.5	983.5
35°	1199.7	1196.2	1178.5	1157.0	1132.3	1140.6	1221.6	1402.4	1403.8	1325.2	1033.2
37.5°	1311.3	1312.0	1298.1	1247.3	1222.0	1217.1	1278.3	1491.7	1521.6	1432.3	1097.5
40°	1404.1	1408.3	1408.3	1354.8	1316.9	1312.4	1357.9	1597.8	1657.2	1563.7	1178.9
42.5°	1474.7	1478.5	1490.7	1452.1	1412.1	1427.8	1454.5	1704.2	1810.9	1726.1	1281.8
45°	1552.2	1555.4	1562.0	1539.7	1516.4	1558.1	1564.0	1831.4	1986.8	1908.2	1401.4
47.5°	1655.1	1652.4	1653.0	1636.7	1618.6	1686.1	1684.7	1938.5	2156.8	2107.8	1531.0
50°	1783.1	1788.3	1783.4	1751.1	1729.9	1791.4	1799.4	2057.0	2306.3	2305.2	1661.7
52.5°	1906.1	1908.2	1933.9	1935.3	1891.9	1879.0	1899.9	2176.6	2432.5	2486.0	1787.2
55°	1912.4	1920.4	1997.6	2053.2	2123.4	2020.2	2001.4	2290.6	2554.5	2663.0	1917.6
57.5°	1779.2	1792.1	1923.2	2043.1	2238.5	2262.5	2175.2	2438.0	2676.5	2837.1	2068.5
60°	1494.9	1521.6	1699.6	1883.2	2186.7	2436.6	2530.8	2638.3	2836.8	3015.1	2251.7
62.5°	954.6	965.1	1214.7	1522.0	1953.4	2419.6	2918.1	2991.1	3080.8	3247.0	2534.0
65°	478.0	511.4	657.7	908.4	1408.7	2132.1	3113.8	3637.4	3527.5	3644.0	2991.5
67.5°	324.4	335.1	409.2	545.8	826.0	1510.5	2992.5	4181.8	4149.5	4168.6	3479.2
70°	239.2	246.1	304.5	386.6	499.6	857.6	2382.4	4140.8	4361.5	4354.6	3428.1
72.5°	174.5	178.0	222.1	295.1	370.2	443.6	1454.9	3345.0	3807.4	4008.0	2998.1
75°	126.9	131.1	154.4	220.8	287.8	276.7	718.2	2416.1	2903.5	3289.4	2442.5
77.5°	94.6	99.8	110.6	138.4	201.6	198.2	310.4	1568.9	1878.0	2148.4	1483.7
80°	68.1	69.2	75.4	88.6	127.9	116.1	147.7	818.0	937.9	1027.6	581.6
82.5°	41.4	42.4	50.4	54.6	79.3	73.0	76.8	264.9	379.6	402.9	217.3
85°	12.2	12.9	22.9	25.0	33.0	31.3	30.9	107.8	128.6	164.4	85.5
87.5°	0.0	0.0	0.0	0.0	0.3	2.1	3.8	19.1	28.9	40.0	20.9
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°	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1	561.1
2.5°	567.0	559.0	554.8	547.5	542.3	537.1	531.9	527.0	524.9	521.8	522.5
5°	577.1	564.6	552.1	537.8	525.6	515.6	506.5	498.5	495.0	491.9	493.3
7.5°	592.4	573.6	549.6	523.6	504.4	490.5	481.1	475.6	473.8	471.4	471.4
10°	611.9	583.7	541.6	504.4	481.5	470.4	466.2	465.8	467.6	467.9	467.2
12.5°	633.4	593.4	529.8	481.8	462.4	458.9	462.0	467.9	473.8	477.0	476.3
15°	655.7	599.7	509.6	460.3	448.5	453.0	463.1	474.9	486.4	492.3	491.9
17.5°	676.5	601.1	483.6	439.4	436.3	447.8	465.1	483.6	499.2	507.6	507.9
20°	699.8	598.6	456.8	420.6	424.1	442.9	465.8	488.1	506.5	514.9	516.9
22.5°	721.0	590.3	430.7	402.9	413.7	437.0	460.3	481.1	497.5	505.5	508.3
25°	740.1	574.3	402.2	388.0	405.7	428.6	446.4	461.0	472.4	477.3	481.1
27.5°	750.6	550.3	380.7	376.2	398.1	416.8	426.6	431.1	434.9	433.5	436.3
30°	752.6	520.4	361.9	366.8	386.6	400.5	402.6	398.1	391.4	380.7	383.1
32.5°	750.6	486.0	346.3	356.7	373.7	382.1	379.3	367.5	351.5	334.8	335.8
35°	751.3	451.2	333.4	345.6	358.8	363.3	356.3	340.0	323.0	307.7	307.0
37.5°	758.9	422.0	322.6	334.8	344.2	344.9	337.2	320.2	311.5	300.0	298.6
40°	780.1	400.5	312.9	324.0	329.9	329.6	320.9	308.7	314.6	310.8	309.8
42.5°	814.9	387.3	304.9	312.5	316.7	317.4	310.4	302.8	315.7	310.8	309.1
45°	870.8	386.6	299.3	301.1	307.7	312.5	307.7	299.0	303.8	280.2	275.7
47.5°	937.2	398.4	295.1	291.0	302.5	311.1	303.5	289.6	279.5	258.0	254.8
50°	1017.2	422.4	291.3	280.2	294.8	305.9	298.3	279.2	263.9	252.4	250.7
52.5°	1112.1	454.0	286.5	268.0	283.3	303.1	298.3	278.1	258.0	247.5	245.8
55°	1211.5	490.5	280.9	253.4	270.5	303.8	300.7	270.8	253.4	247.9	246.5
57.5°	1335.0	534.3	270.8	236.4	259.0	297.6	291.0	266.6	250.3	245.8	244.4
60°	1495.2	599.3	251.7	219.0	245.8	286.5	282.3	259.7	242.0	238.1	237.1
62.5°	1749.0	709.5	228.4	202.3	230.1	263.2	269.4	246.5	231.5	231.2	230.8
65°	2162.7	842.0	200.9	187.4	213.8	244.0	252.4	232.9	220.8	224.6	224.2
67.5°	2452.6	853.5	178.3	171.7	194.7	223.2	235.4	219.0	205.8	213.1	212.8
70°	2246.5	665.7	158.9	155.4	174.2	200.6	216.9	201.6	188.4	195.4	194.0
72.5°	1894.7	510.3	140.4	138.4	153.3	177.0	193.3	184.3	170.3	170.3	167.2
75°	1522.7	421.0	121.0	119.9	130.0	153.0	171.4	156.1	143.2	142.5	140.4
77.5°	873.3	276.0	101.5	100.8	103.9	127.9	133.1	130.0	120.3	115.8	114.4
80°	348.0	143.6	80.0	75.4	78.6	93.9	105.0	99.8	91.4	85.9	82.7
82.5°	134.9	72.0	56.3	49.4	53.9	67.8	76.1	74.4	68.8	56.3	52.8
85°	54.9	35.1	33.7	28.5	31.3	36.5	43.8	37.9	31.3	22.2	21.2
87.5°	14.6	12.9	12.5	7.6	5.9	1.7	0.3	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)