

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: P631616

Luminaire Tested: GWS-SA2B-722-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631616  
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-SA2B-722-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

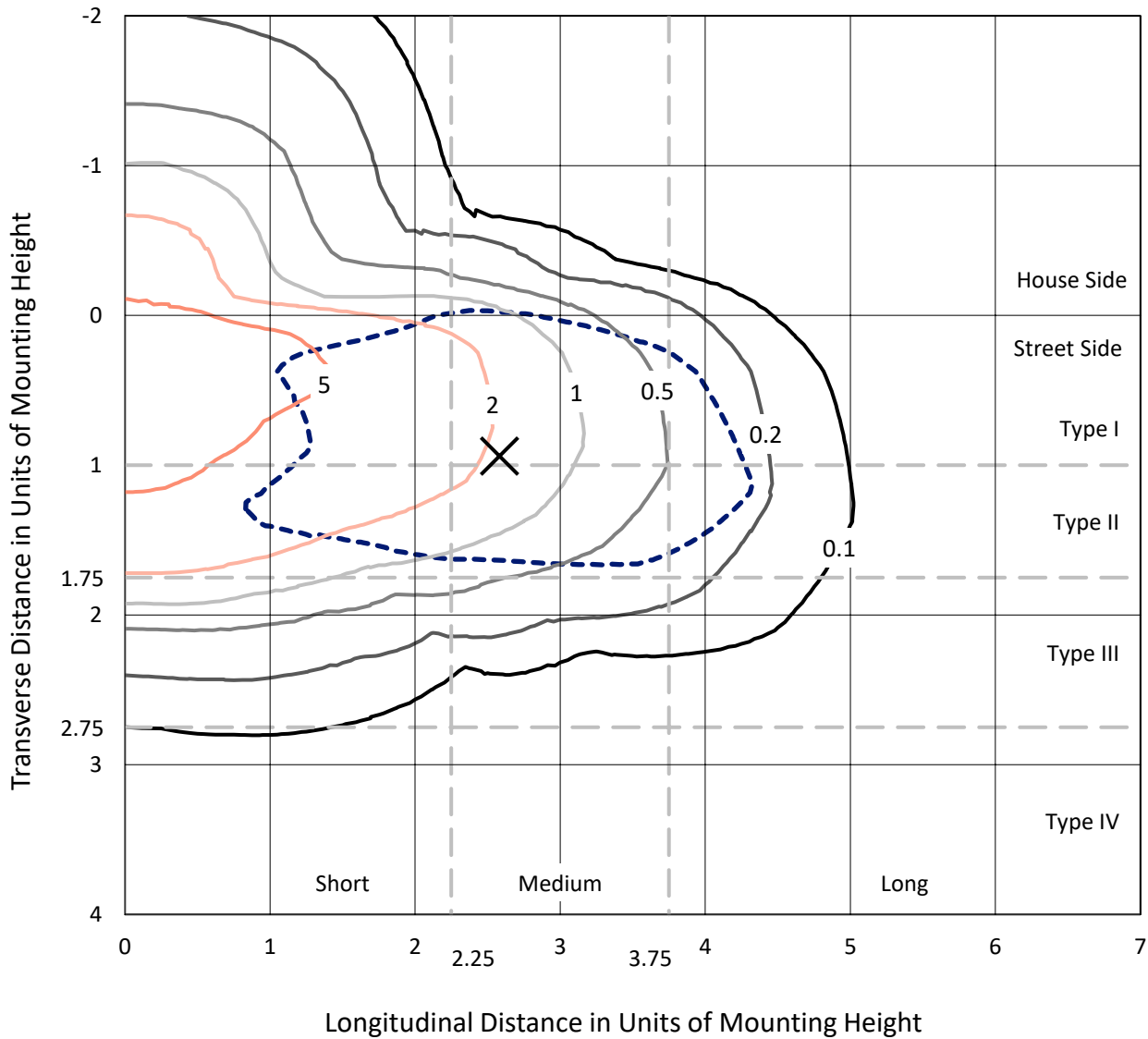
Lumens per Lamp: N/A  
Luminaire Lumens: 5043.5 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): 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

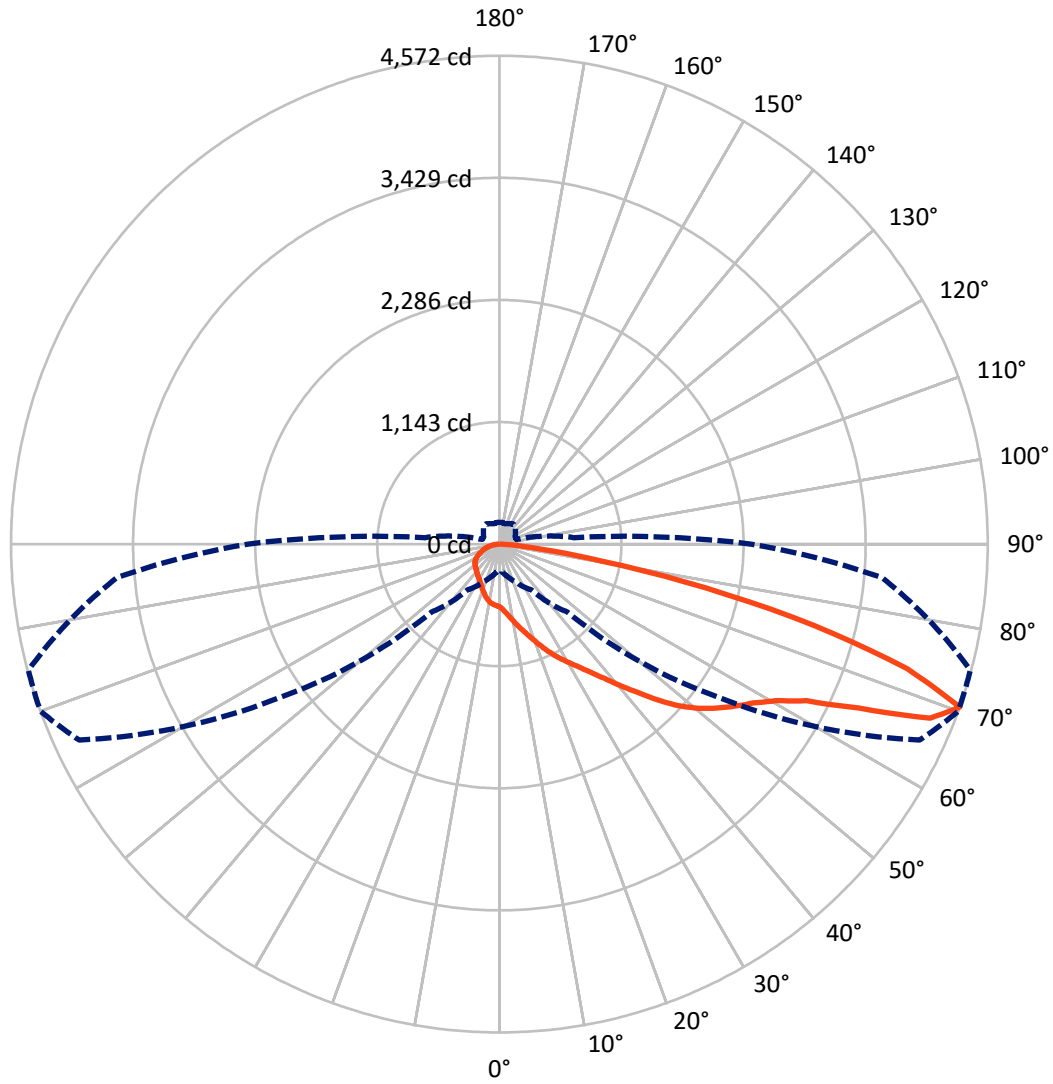
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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	903.8	0.0	903.8
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	4139.7	0.0	4139.7
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	5043.5	0.0	5043.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.8	1.2
10°-20°	194.5	3.9
20°-30°	344.5	6.8
30°-40°	518.5	10.3
40°-50°	784.4	15.6
50°-60°	1123.7	22.3
60°-70°	1242.1	24.6
70°-80°	701.0	13.9
80°-90°	75.0	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°	5043.5	100.0
0°-180°	5043.5	100.0

**Coefficient of Utilization**



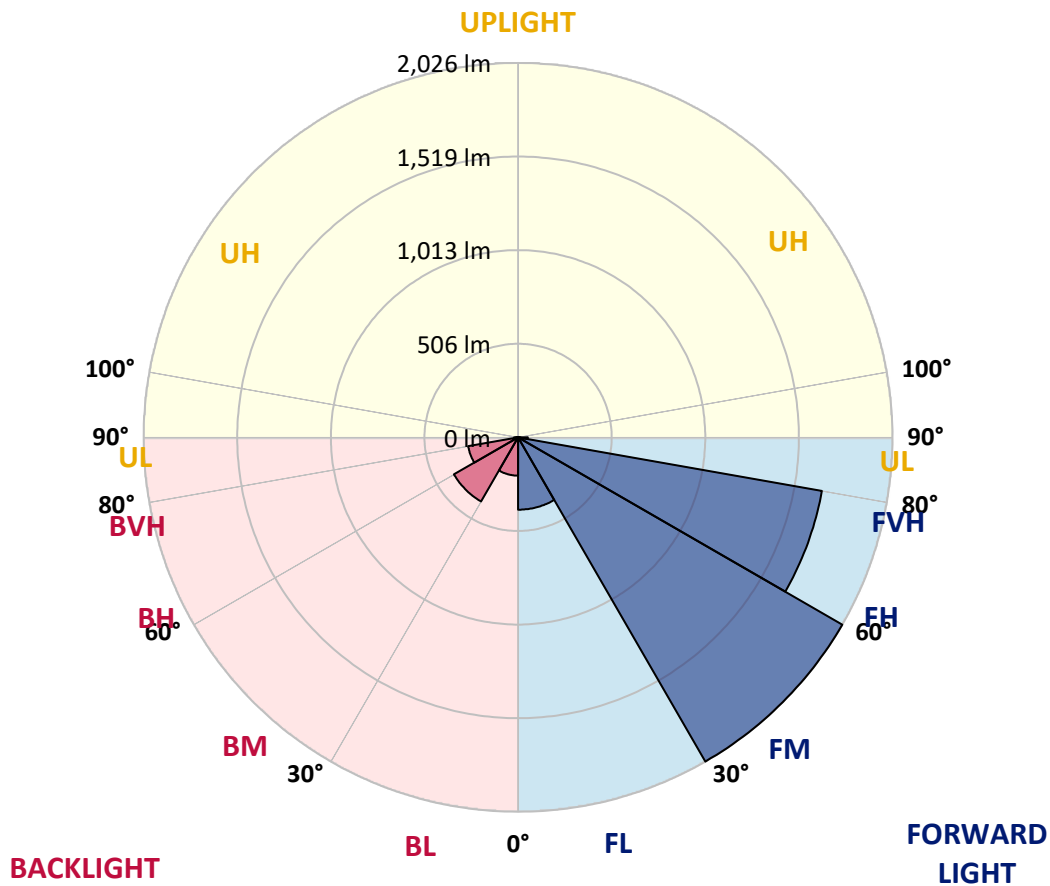
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.5	7.8			
FM (30°-60°)	2026.0	40.2			
FH (60°-80°)	1669.2	33.1			G1/1800
FVH (80°-90°)	53.0	1.1			G1/100
BL (0°-30°)	207.2	4.1	B1/500		
BM (30°-60°)	400.7	7.9	B1/1000		
BH (60°-80°)	273.9	5.4	B1/500		G1/500
BVH (80°-90°)	22.0	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°	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2
2.5°	651.6	650.5	651.2	650.5	646.5	636.6	628.6	618.4	611.5	607.5	598.0
5°	728.1	727.0	724.5	720.8	713.5	700.1	680.0	657.8	644.3	634.1	614.1
7.5°	783.1	783.1	782.8	778.4	773.3	759.1	735.4	706.2	686.6	669.1	636.3
10°	811.2	813.0	815.6	821.8	820.7	813.0	790.8	759.5	734.7	714.3	665.4
12.5°	826.5	827.6	832.0	844.7	857.8	859.7	846.6	813.8	786.8	759.5	697.9
15°	846.2	846.6	852.4	867.7	887.0	906.3	903.0	870.2	842.5	812.3	733.9
17.5°	861.5	864.0	874.6	892.5	916.5	943.1	959.2	938.8	904.5	869.9	773.3
20°	867.0	868.8	882.6	910.0	942.8	980.3	1016.0	1010.5	975.9	935.1	817.8
22.5°	886.6	886.6	896.8	919.8	958.4	1013.1	1071.0	1085.2	1054.6	1006.9	865.5
25°	930.0	928.5	933.3	942.8	971.9	1039.3	1125.3	1168.0	1133.7	1080.1	913.2
27.5°	989.4	988.7	988.3	989.8	999.6	1062.3	1171.3	1245.2	1211.0	1150.5	955.9
30°	1053.9	1051.7	1056.5	1052.1	1049.9	1089.6	1210.2	1314.5	1287.9	1220.1	991.2
32.5°	1141.7	1137.7	1136.6	1122.4	1113.7	1132.3	1241.6	1393.2	1372.0	1295.2	1030.9
35°	1257.6	1254.0	1235.4	1212.8	1186.9	1195.7	1280.6	1470.1	1471.5	1389.2	1083.1
37.5°	1374.6	1375.3	1360.8	1307.5	1280.9	1275.8	1340.0	1563.7	1595.1	1501.4	1150.5
40°	1471.9	1476.3	1476.3	1420.2	1380.4	1375.7	1423.4	1674.9	1737.2	1639.2	1235.8
42.5°	1545.9	1549.9	1562.6	1522.2	1480.3	1496.7	1524.7	1786.4	1898.3	1809.4	1343.6
45°	1627.1	1630.4	1637.3	1614.0	1589.6	1633.3	1639.5	1919.8	2082.7	2000.3	1469.0
47.5°	1735.0	1732.1	1732.8	1715.7	1696.7	1767.4	1766.0	2032.0	2260.9	2209.5	1604.9
50°	1869.1	1874.6	1869.5	1835.6	1813.4	1877.9	1886.2	2156.3	2417.6	2416.5	1741.9
52.5°	1998.1	2000.3	2027.3	2028.7	1983.2	1969.7	1991.6	2281.6	2549.9	2606.0	1873.5
55°	2004.7	2013.1	2094.0	2152.3	2225.9	2117.7	2098.0	2401.2	2677.8	2791.5	2010.1
57.5°	1865.1	1878.6	2016.0	2141.7	2346.5	2371.7	2280.2	2555.7	2805.7	2974.0	2168.3
60°	1567.0	1595.1	1781.7	1974.1	2292.2	2554.2	2653.0	2765.6	2973.7	3160.6	2360.4
62.5°	1000.7	1011.6	1273.3	1595.4	2047.7	2536.4	3059.0	3135.5	3229.5	3403.7	2656.3
65°	501.1	536.1	689.5	952.2	1476.6	2235.0	3264.1	3812.9	3697.8	3819.9	3135.8
67.5°	340.0	351.3	428.9	572.1	865.9	1583.4	3136.9	4383.6	4349.7	4369.8	3647.1
70°	250.7	258.0	319.2	405.2	523.7	899.0	2497.4	4340.6	4572.0	4564.7	3593.6
72.5°	182.9	186.6	232.9	309.4	388.1	465.0	1525.1	3506.5	3991.1	4201.4	3142.8
75°	133.0	137.4	161.8	231.4	301.7	290.1	752.9	2532.7	3043.6	3448.2	2560.4
77.5°	99.1	104.6	115.9	145.0	211.4	207.7	325.4	1644.6	1968.6	2252.1	1555.4
80°	71.4	72.5	79.1	92.9	134.1	121.7	154.9	857.5	983.2	1077.2	609.7
82.5°	43.4	44.5	52.8	57.2	83.1	76.5	80.5	277.7	397.9	422.4	227.8
85°	12.8	13.5	24.1	26.2	34.6	32.8	32.4	113.0	134.8	172.4	89.6
87.5°	0.0	0.0	0.0	0.0	0.4	2.2	4.0	20.0	30.2	41.9	21.9
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°	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2
2.5°	594.4	586.0	581.6	574.0	568.5	563.0	557.6	552.5	550.3	547.0	547.7
5°	604.9	591.8	578.7	563.8	551.0	540.4	531.0	522.6	518.9	515.7	517.1
7.5°	621.0	601.3	576.2	548.8	528.8	514.2	504.4	498.5	496.7	494.2	494.2
10°	641.4	611.9	567.8	528.8	504.7	493.1	488.7	488.3	490.1	490.5	489.8
12.5°	664.0	622.1	555.4	505.1	484.7	481.0	484.3	490.5	496.7	500.0	499.3
15°	687.3	628.6	534.2	482.5	470.1	474.8	485.4	497.8	509.8	516.0	515.7
17.5°	709.2	630.1	506.9	460.6	457.3	469.4	487.6	506.9	523.3	532.1	532.4
20°	733.6	627.5	478.9	441.0	444.6	464.3	488.3	511.6	531.0	539.7	541.9
22.5°	755.8	618.8	451.5	422.4	433.7	458.1	482.5	504.4	521.5	529.9	532.8
25°	775.9	602.0	421.6	406.7	425.3	449.3	467.9	483.2	495.2	500.4	504.4
27.5°	786.8	576.9	399.0	394.3	417.3	436.9	447.1	451.9	455.9	454.4	457.3
30°	789.0	545.5	379.4	384.5	405.2	419.8	422.0	417.3	410.3	399.0	401.6
32.5°	786.8	509.5	363.0	373.9	391.8	400.5	397.6	385.2	368.4	350.9	352.0
35°	787.5	473.0	349.5	362.2	376.1	380.8	373.5	356.4	338.5	322.5	321.8
37.5°	795.5	442.4	338.2	350.9	360.8	361.5	353.5	335.6	326.5	314.5	313.0
40°	817.8	419.8	328.0	339.6	345.8	345.5	336.4	323.6	329.8	325.8	324.7
42.5°	854.2	406.0	319.6	327.6	332.0	332.7	325.4	317.4	330.9	325.8	324.0
45°	912.9	405.2	313.8	315.6	322.5	327.6	322.5	313.4	318.5	293.7	289.0
47.5°	982.5	417.6	309.4	305.0	317.0	326.2	318.1	303.6	293.0	270.4	267.1
50°	1066.3	442.8	305.4	293.7	309.0	320.7	312.7	292.6	276.6	264.6	262.7
52.5°	1165.8	475.9	300.3	281.0	297.0	317.8	312.7	291.5	270.4	259.5	257.6
55°	1270.0	514.2	294.5	265.7	283.5	318.5	315.2	283.9	265.7	259.8	258.4
57.5°	1399.4	560.1	283.9	247.8	271.5	311.9	305.0	279.5	262.4	257.6	256.2
60°	1567.4	628.3	263.8	229.6	257.6	300.3	295.9	272.2	253.6	249.6	248.5
62.5°	1833.4	743.8	239.4	212.1	241.2	275.9	282.4	258.4	242.7	242.3	242.0
65°	2267.1	882.6	210.6	196.4	224.1	255.8	264.6	244.2	231.4	235.4	235.1
67.5°	2571.0	894.7	186.9	180.0	204.1	234.0	246.7	229.6	215.7	223.4	223.0
70°	2354.9	697.9	166.5	162.9	182.6	210.3	227.4	211.4	197.5	204.8	203.3
72.5°	1986.1	535.0	147.2	145.0	160.7	185.5	202.6	193.1	178.6	178.6	175.3
75°	1596.2	441.3	126.8	125.7	136.3	160.3	179.7	163.6	150.1	149.4	147.2
77.5°	915.4	289.4	106.4	105.7	109.0	134.1	139.6	136.3	126.1	121.4	119.9
80°	364.8	150.5	83.8	79.1	82.4	98.4	110.1	104.6	95.8	90.0	86.7
82.5°	141.4	75.4	59.0	51.7	56.5	71.1	79.8	78.0	72.2	59.0	55.4
85°	57.6	36.8	35.3	29.9	32.8	38.3	45.9	39.7	32.8	23.3	22.2
87.5°	15.3	13.5	13.1	8.0	6.2	1.8	0.4	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)