

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: P629422

Luminaire Tested: GWS-SA1B-750-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3738.3 lumens  
Efficiency: N/A  
Efficacy: 149.5 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

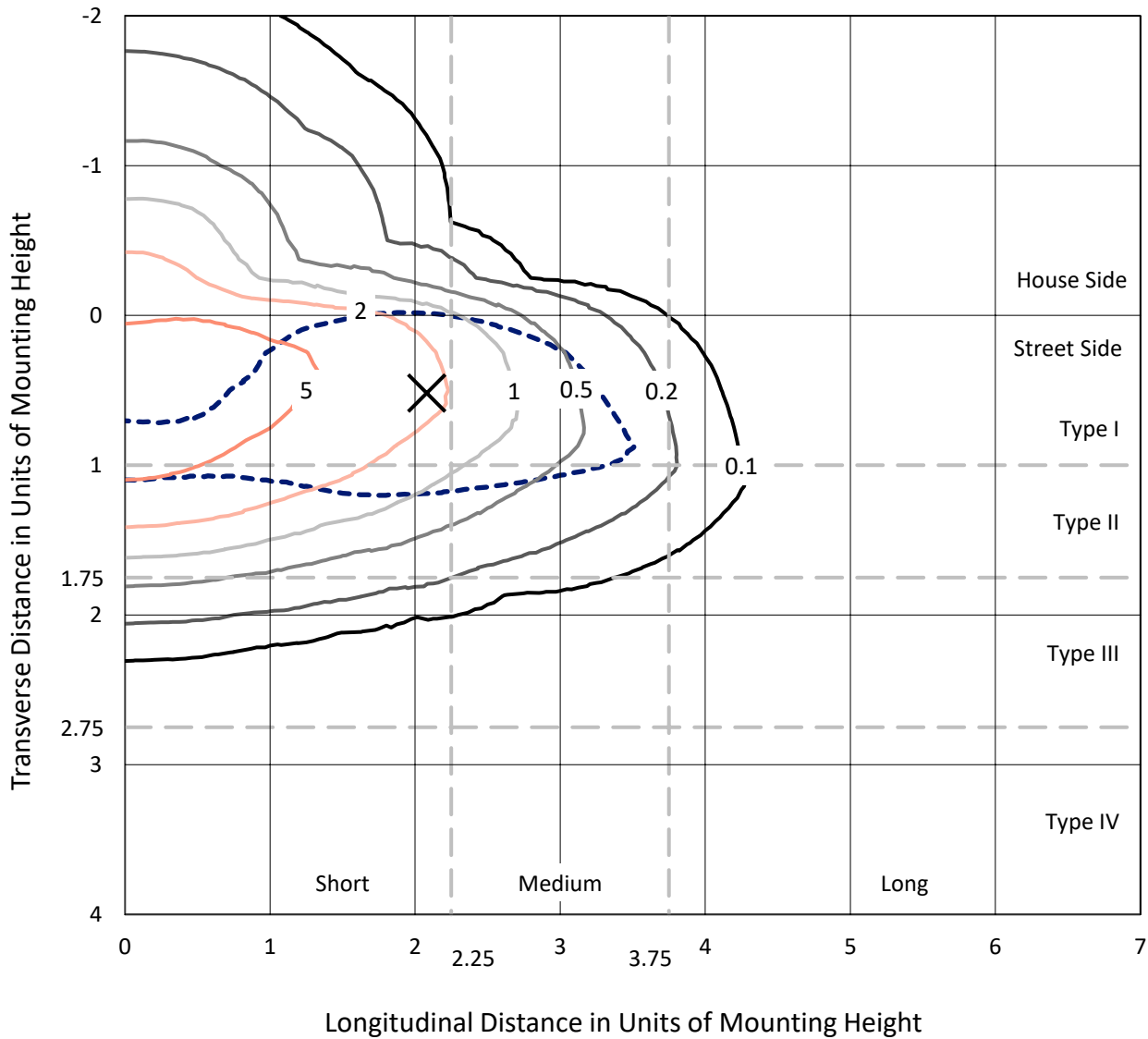


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### Iso-Footcandle Lines of Horizontal Illumination

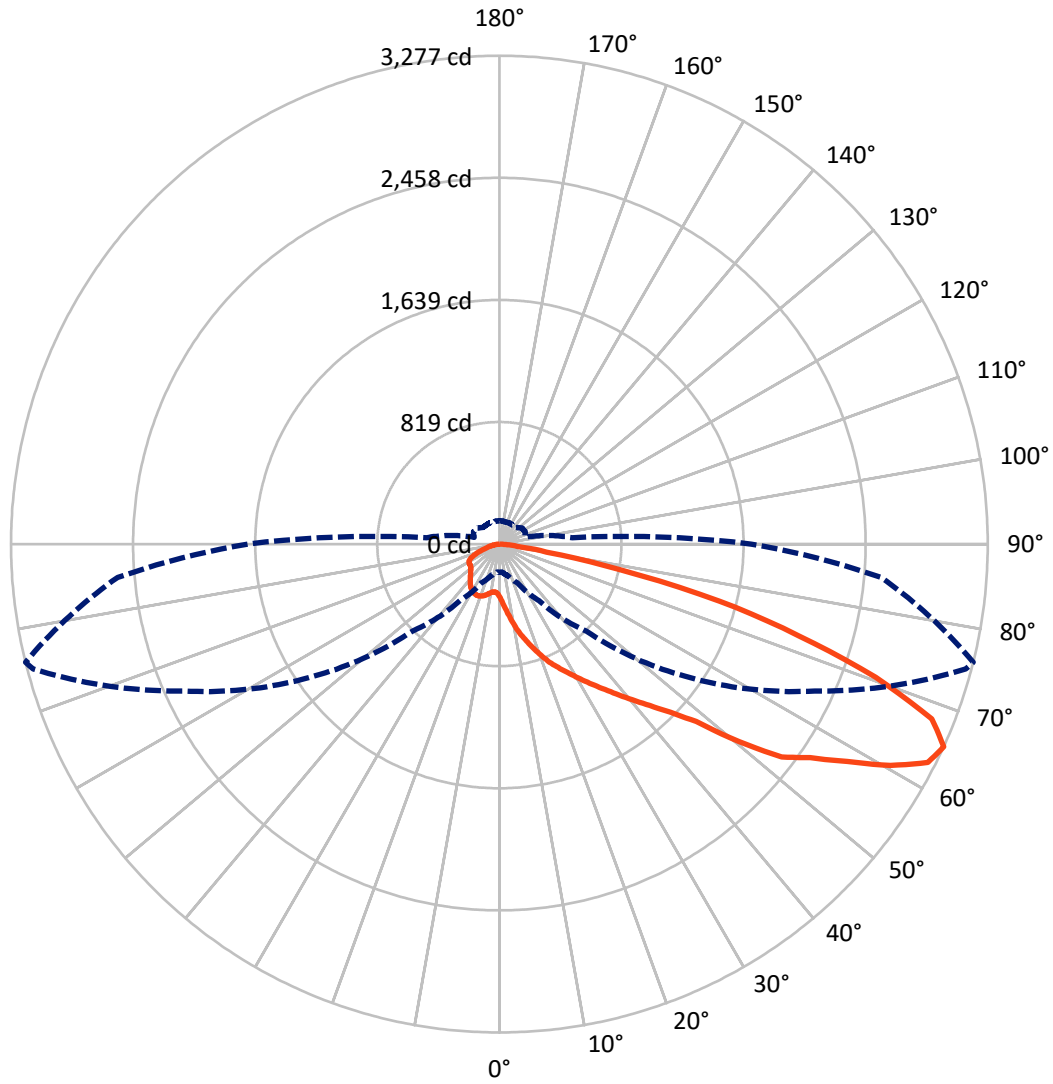
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	624.9	0.0	624.9
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	3113.4	0.0	3113.4
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	3738.3	0.0	3738.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	1.1
10°-20°	160.2	4.3
20°-30°	312.2	8.4
30°-40°	522.1	14.0
40°-50°	747.6	20.0
50°-60°	885.0	23.7
60°-70°	735.9	19.7
70°-80°	301.2	8.1
80°-90°	32.1	0.9
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°	3738.3	100.0
0°-180°	3738.3	100.0

**Coefficient of Utilization**



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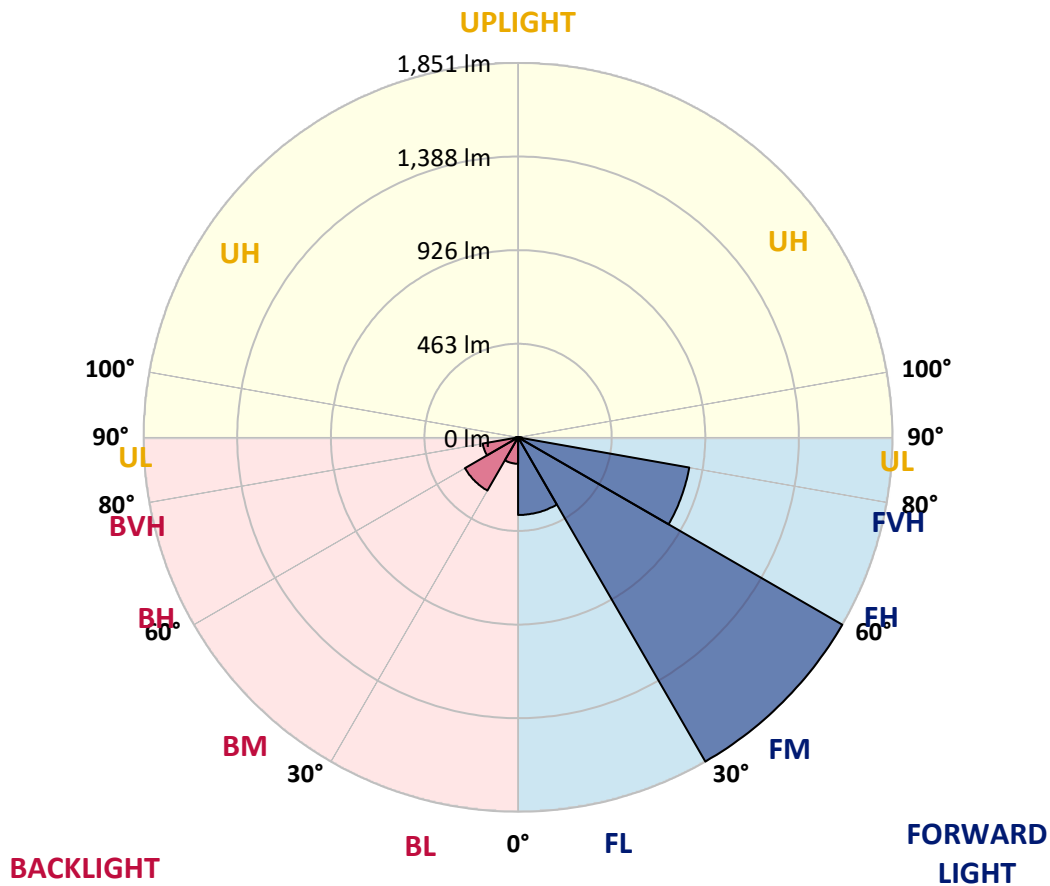
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.7	10.3			
FM (30°-60°)	1851.1	49.5			
FH (60°-80°)	859.5	23.0			G1/1800
FVH (80°-90°)	19.1	0.5			G1/100
BL (0°-30°)	130.7	3.5	B1/500		
BM (30°-60°)	303.7	8.1	B1/1000		
BH (60°-80°)	177.5	4.7	B1/500		G1/500
BVH (80°-90°)	12.9	0.3			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0
2.5°	496.2	498.0	492.0	489.9	475.7	456.5	440.5	416.3	394.0	390.5	370.6
5°	630.2	622.3	615.5	611.0	591.3	569.5	535.6	490.1	442.6	436.8	393.7
7.5°	709.8	708.5	700.1	697.5	682.3	660.4	625.5	569.0	499.9	490.4	425.0
10°	773.7	772.9	768.7	771.1	757.2	735.9	702.0	643.6	562.7	553.2	459.9
12.5°	829.4	830.7	829.9	838.6	831.5	815.0	779.8	715.6	625.5	615.2	502.5
15°	870.2	871.2	875.2	894.1	898.0	894.6	858.9	786.3	687.5	672.8	546.4
17.5°	881.7	883.8	893.3	923.8	945.1	959.3	932.7	858.3	748.5	732.4	591.1
20°	897.2	899.6	909.1	940.9	972.1	1004.5	999.7	931.4	810.0	796.8	636.3
22.5°	969.0	967.1	962.9	978.2	1000.5	1040.7	1052.5	1001.6	873.6	861.0	686.2
25°	1107.2	1103.8	1077.0	1063.1	1055.7	1080.1	1101.2	1065.4	935.6	916.7	732.7
27.5°	1259.6	1257.8	1223.6	1190.5	1145.3	1134.8	1147.2	1121.1	995.8	976.6	773.2
30°	1403.9	1398.4	1362.7	1321.1	1260.7	1215.5	1197.4	1175.8	1061.7	1041.8	820.5
32.5°	1533.0	1525.9	1483.8	1437.8	1374.5	1321.1	1267.0	1233.9	1136.4	1113.3	868.8
35°	1638.9	1631.8	1588.7	1539.8	1470.2	1430.7	1356.6	1297.0	1212.3	1188.9	925.9
37.5°	1720.9	1714.3	1669.4	1621.3	1560.6	1529.3	1464.9	1367.9	1299.9	1275.4	986.3
40°	1766.9	1762.1	1726.1	1688.0	1637.0	1610.0	1581.1	1457.5	1397.9	1373.4	1057.5
42.5°	1780.8	1777.6	1752.4	1732.7	1698.3	1677.8	1694.3	1562.9	1502.5	1481.2	1137.7
45°	1745.8	1745.8	1738.5	1748.5	1750.0	1749.8	1807.9	1682.0	1631.0	1607.6	1250.7
47.5°	1656.5	1662.3	1673.0	1722.2	1774.0	1817.3	1940.6	1840.7	1796.3	1777.1	1410.8
50°	1493.0	1508.8	1545.6	1641.5	1751.6	1862.0	2066.2	2075.4	2117.7	2083.8	1646.2
52.5°	1253.6	1251.2	1345.1	1481.7	1649.6	1863.8	2135.3	2282.5	2396.3	2372.9	1821.3
55°	996.3	992.4	1079.9	1268.3	1493.3	1793.4	2176.8	2377.4	2550.8	2529.8	1978.7
57.5°	762.9	757.9	835.7	1005.8	1272.5	1643.9	2169.0	2490.4	2763.4	2752.7	2192.6
60°	525.1	519.0	591.8	740.6	1011.3	1415.2	2081.7	2548.5	3012.3	3016.0	2421.5
62.5°	315.4	312.0	364.8	480.2	727.5	1131.9	1877.5	2513.2	3210.5	3227.0	2568.7
65°	190.3	187.9	218.9	286.5	461.5	826.0	1562.7	2333.2	3239.1	3277.2	2572.1
67.5°	138.5	138.8	147.7	174.5	269.1	533.5	1172.7	2010.5	3089.8	3129.3	2410.0
70°	120.4	120.9	125.6	131.7	162.7	305.4	762.4	1587.1	2648.6	2679.1	2021.3
72.5°	107.0	107.0	110.1	113.3	127.2	186.1	408.4	1109.3	2090.4	2098.5	1542.7
75°	94.1	93.3	94.9	96.5	110.4	130.1	198.7	772.9	1544.0	1525.1	997.1
77.5°	74.9	74.1	74.4	76.0	88.6	93.0	100.7	482.8	870.2	821.3	440.5
80°	53.4	52.8	55.7	59.7	65.4	57.0	63.1	233.6	345.1	321.2	170.8
82.5°	31.8	32.9	37.3	40.5	45.2	35.7	40.7	78.1	122.2	119.1	69.4
85°	4.5	4.7	13.4	15.5	19.4	13.9	21.6	35.2	48.9	52.3	24.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.3	13.9	14.2	6.0
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°	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0
2.5°	360.3	348.0	330.4	315.6	303.3	293.3	284.9	278.6	276.7	274.1	274.1
5°	373.5	351.1	319.6	297.2	284.4	276.7	271.5	268.9	267.5	266.0	265.2
7.5°	391.6	360.3	317.7	295.1	285.1	280.4	277.0	275.4	274.4	272.8	272.8
10°	416.6	374.0	323.5	302.5	294.6	289.9	285.9	283.3	280.9	278.6	278.1
12.5°	443.6	391.8	334.0	312.5	304.1	298.3	292.8	288.8	285.9	283.0	282.3
15°	473.6	410.2	345.3	322.2	311.7	303.8	297.2	291.2	287.2	283.0	282.5
17.5°	503.0	428.9	354.8	328.8	315.4	305.6	296.2	288.3	283.3	278.6	277.3
20°	538.2	447.6	361.4	330.6	314.6	301.7	290.4	280.4	274.9	269.4	268.6
22.5°	570.6	464.9	364.5	328.0	308.5	293.3	280.2	269.4	263.3	257.8	256.8
25°	601.8	480.2	363.2	321.7	299.3	281.7	268.1	257.3	251.5	245.7	244.1
27.5°	632.1	490.4	357.9	312.0	287.8	268.9	255.7	246.0	241.0	236.0	233.9
30°	661.8	499.9	349.8	299.3	273.1	255.4	244.7	237.8	232.8	227.6	226.0
32.5°	691.7	506.7	337.4	284.6	258.1	243.6	237.1	232.1	226.8	221.5	220.0
35°	721.9	509.6	322.5	267.8	245.5	236.0	233.6	227.9	220.8	214.5	212.3
37.5°	757.9	512.2	303.8	251.2	234.4	232.3	231.8	223.1	214.7	206.0	203.7
40°	801.3	515.6	284.6	236.3	225.5	231.0	228.9	217.1	200.3	191.9	189.2
42.5°	854.4	521.9	264.6	222.6	218.9	226.0	223.7	202.4	191.1	186.3	185.0
45°	932.4	545.1	244.7	211.8	213.9	218.9	215.2	193.7	189.2	186.1	184.5
47.5°	1071.5	580.5	227.3	203.7	210.0	212.6	198.4	191.3	187.9	183.7	181.9
50°	1216.0	596.0	213.4	198.7	205.5	206.8	189.2	188.2	185.8	181.3	179.5
52.5°	1313.8	593.9	205.0	196.8	201.8	196.8	185.0	184.8	183.2	177.9	175.8
55°	1424.2	597.6	201.3	197.4	200.3	180.0	179.8	180.5	179.8	174.0	172.9
57.5°	1573.2	608.9	199.5	199.2	199.2	171.9	174.8	175.8	174.2	171.6	170.8
60°	1716.4	609.7	196.1	201.3	198.4	166.9	169.0	170.0	168.2	167.7	167.4
62.5°	1770.3	571.9	188.4	199.7	195.3	161.4	162.9	163.5	161.6	162.9	162.7
65°	1690.1	491.5	175.8	192.1	185.5	156.4	155.3	156.6	153.5	156.9	157.2
67.5°	1500.6	390.5	156.6	177.7	171.9	150.9	148.7	148.7	143.5	148.7	148.5
70°	1210.0	275.9	128.5	154.5	156.9	144.3	143.2	137.2	128.8	136.7	135.9
72.5°	917.2	198.2	101.2	122.2	135.1	135.1	135.3	125.1	115.4	119.1	115.9
75°	581.1	139.6	80.9	93.6	105.9	118.5	124.6	105.6	97.0	95.4	93.8
77.5°	261.8	91.7	63.1	71.7	75.2	93.6	113.8	90.9	79.1	75.7	74.6
80°	109.6	57.0	44.9	50.7	46.3	78.6	100.4	70.7	58.1	53.4	49.9
82.5°	48.1	33.9	28.6	27.3	28.9	58.3	74.9	47.0	36.3	49.1	49.7
85°	20.2	17.9	14.7	13.4	11.8	22.3	35.2	18.4	22.6	12.9	10.5
87.5°	4.7	5.3	3.9	2.6	1.6	0.3	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)