

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: P630461

Luminaire Tested: GWS-SA1D-760-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630461  
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-SA1D-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**

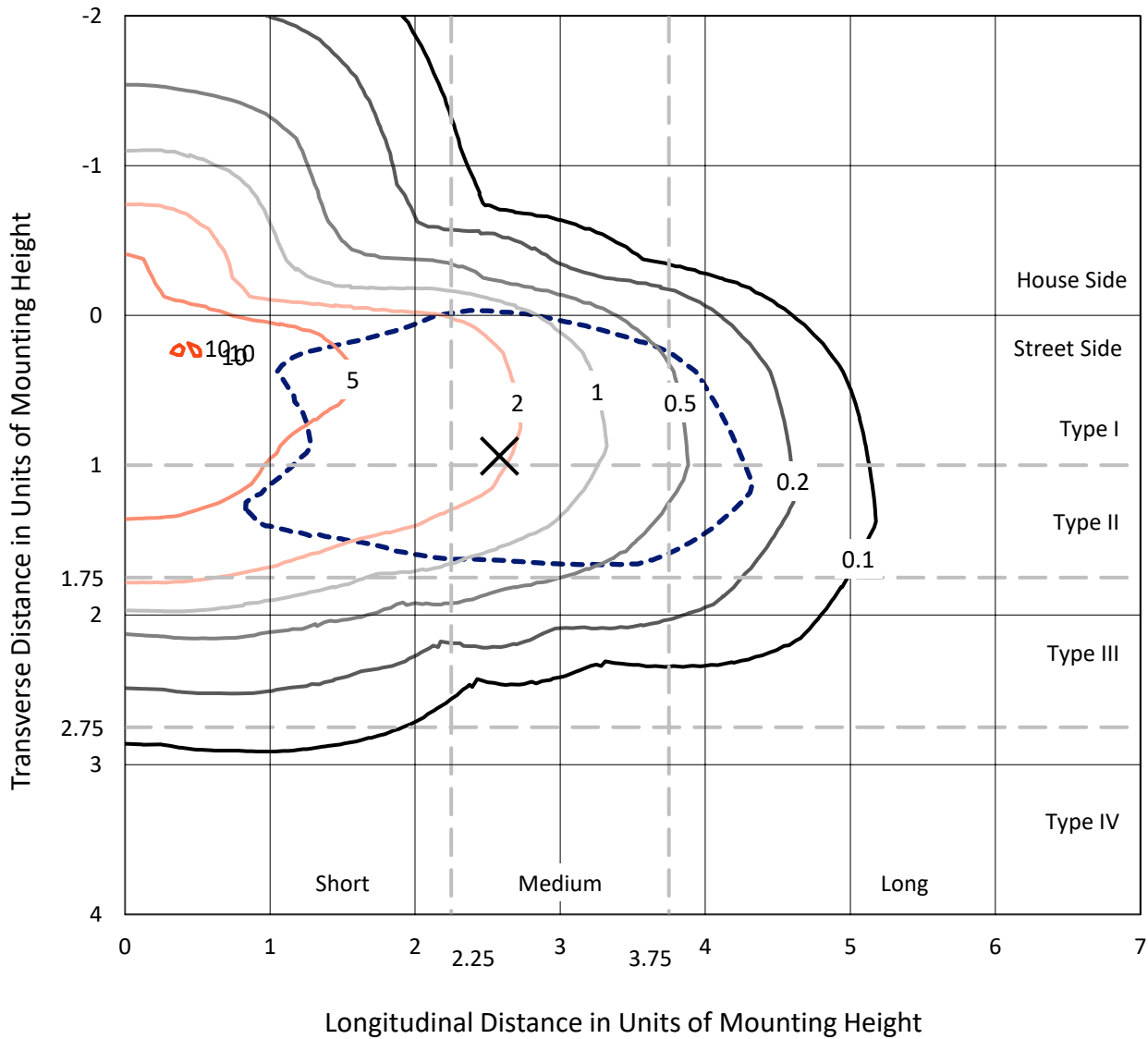
Lumens per Lamp: N/A  
Luminaire Lumens: 6069.7 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

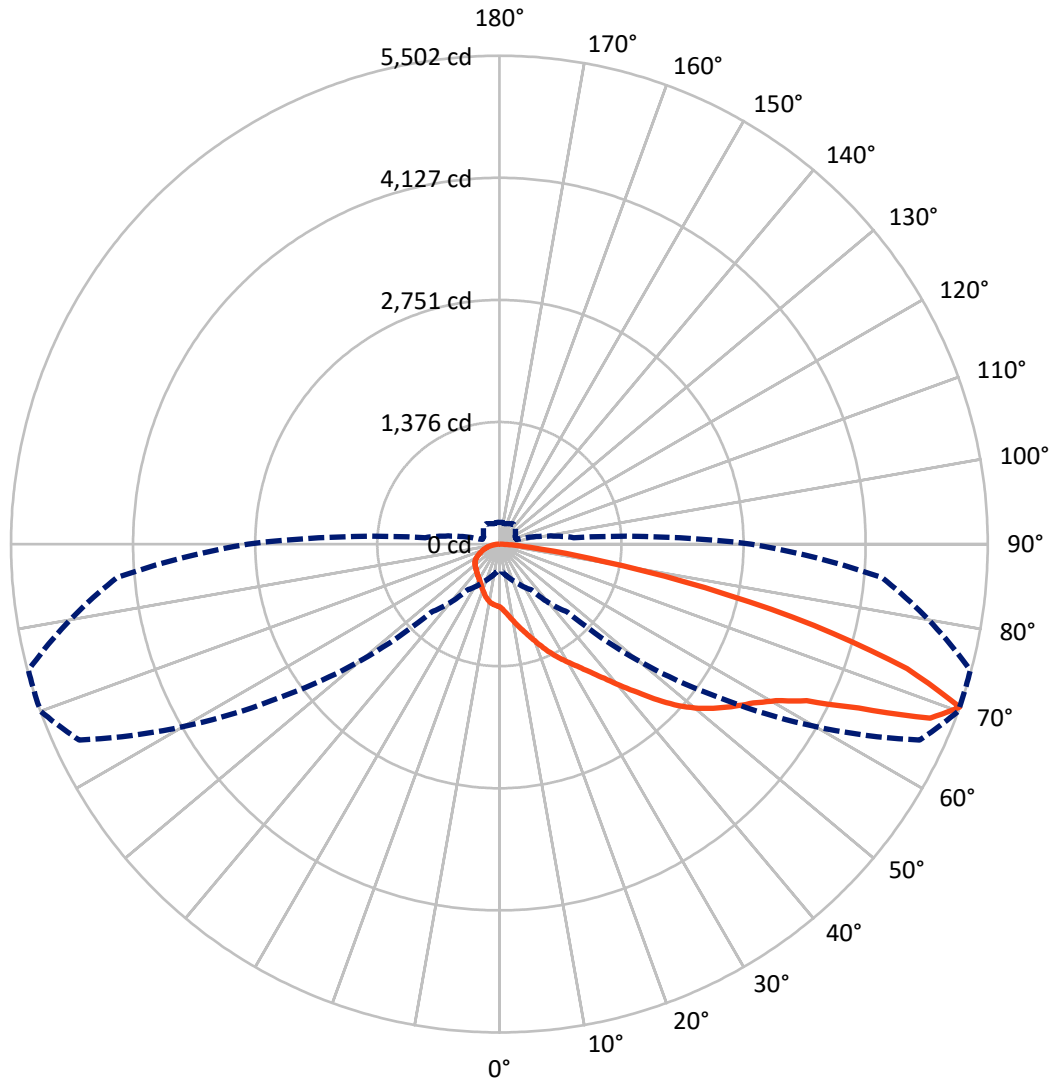
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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	1087.7	0.0	1087.7
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	4982.0	0.0	4982.0
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	6069.7	0.0	6069.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.9	1.2
10°-20°	234.0	3.9
20°-30°	414.6	6.8
30°-40°	624.0	10.3
40°-50°	944.0	15.6
50°-60°	1352.4	22.3
60°-70°	1494.9	24.6
70°-80°	843.6	13.9
80°-90°	90.2	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°	6069.7	100.0
0°-180°	6069.7	100.0

**Coefficient of Utilization**



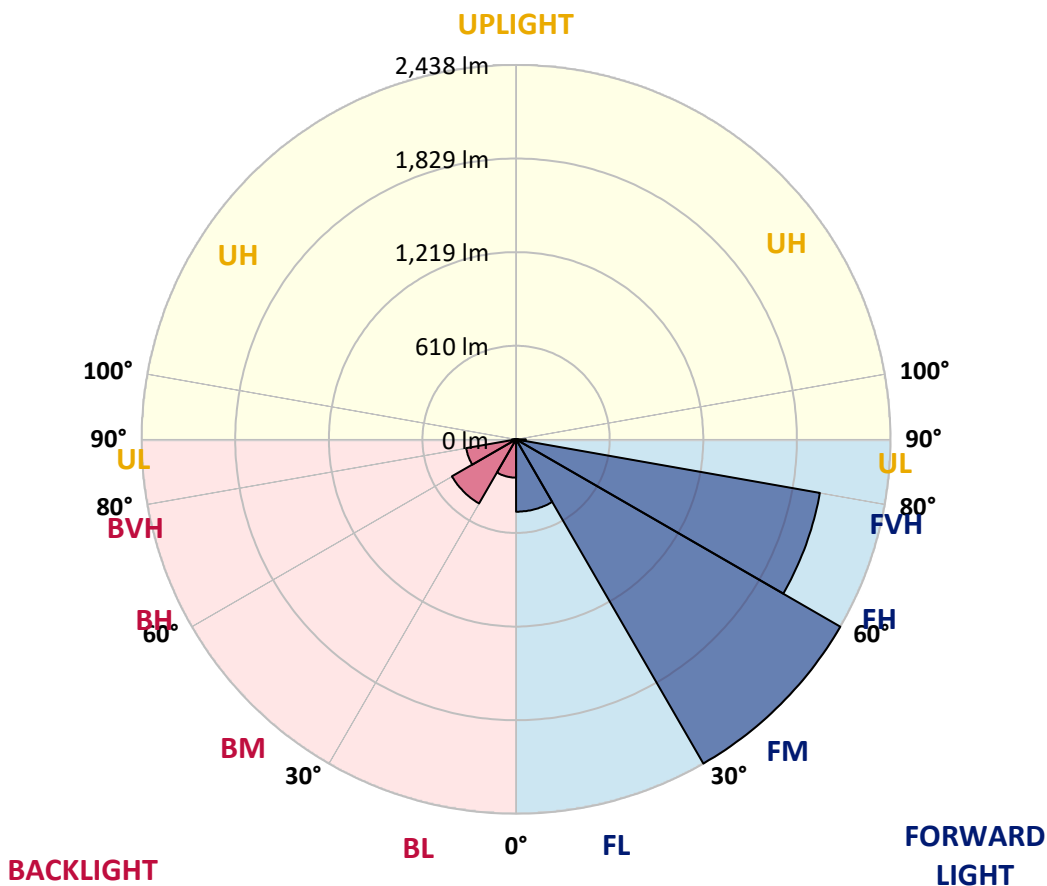
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.2	7.8			
FM (30°-60°)	2438.2	40.2			
FH (60°-80°)	2008.8	33.1			G2/5000
FVH (80°-90°)	63.8	1.1			G1/100
BL (0°-30°)	249.4	4.1	B1/500		
BM (30°-60°)	482.2	7.9	B1/1000		
BH (60°-80°)	329.7	5.4	B1/500		G1/500
BVH (80°-90°)	26.4	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-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	784.2	782.8	783.7	782.8	778.0	766.2	756.5	744.3	735.9	731.1	719.7
5°	876.3	874.9	871.9	867.5	858.7	842.5	818.4	791.6	775.4	763.1	739.0
7.5°	942.5	942.5	942.0	936.8	930.6	913.5	885.0	849.9	826.3	805.2	765.7
10°	976.3	978.5	981.5	989.0	987.7	978.5	951.7	914.0	884.2	859.6	800.8
12.5°	994.7	996.0	1001.3	1016.6	1032.4	1034.6	1018.8	979.3	946.9	914.0	839.9
15°	1018.4	1018.8	1025.8	1044.2	1067.5	1090.7	1086.8	1047.3	1014.0	977.6	883.3
17.5°	1036.8	1039.9	1052.6	1074.1	1103.0	1135.0	1154.3	1129.8	1088.5	1046.9	930.6
20°	1043.4	1045.6	1062.2	1095.1	1134.6	1179.8	1222.7	1216.2	1174.5	1125.4	984.2
22.5°	1067.0	1067.0	1079.3	1107.0	1153.4	1219.2	1289.0	1306.1	1269.2	1211.8	1041.6
25°	1119.2	1117.5	1123.2	1134.6	1169.7	1250.8	1354.3	1405.6	1364.4	1299.9	1099.1
27.5°	1190.7	1189.8	1189.4	1191.2	1203.0	1278.4	1409.6	1498.6	1457.4	1384.6	1150.4
30°	1268.3	1265.7	1271.4	1266.2	1263.5	1311.3	1456.5	1581.9	1549.9	1468.3	1192.9
32.5°	1374.0	1369.2	1367.9	1350.8	1340.3	1362.6	1494.2	1676.7	1651.2	1558.7	1240.7
35°	1513.5	1509.1	1486.8	1459.6	1428.4	1438.9	1541.1	1769.2	1770.9	1671.8	1303.4
37.5°	1654.3	1655.2	1637.6	1573.6	1541.6	1535.4	1612.6	1881.9	1919.6	1806.9	1384.6
40°	1771.4	1776.6	1776.6	1709.1	1661.3	1655.6	1713.1	2015.7	2090.7	1972.7	1487.2
42.5°	1860.4	1865.2	1880.6	1831.9	1781.5	1801.2	1835.0	2149.9	2284.5	2177.5	1617.0
45°	1958.2	1962.2	1970.5	1942.4	1913.0	1965.7	1973.1	2310.4	2506.4	2407.3	1767.9
47.5°	2088.0	2084.5	2085.4	2064.8	2042.0	2127.1	2125.3	2445.5	2720.9	2659.1	1931.5
50°	2249.4	2256.0	2249.9	2209.1	2182.3	2260.0	2270.0	2595.0	2909.5	2908.2	2096.4
52.5°	2404.7	2407.3	2439.8	2441.5	2386.7	2370.5	2396.8	2745.9	3068.7	3136.2	2254.7
55°	2412.6	2422.7	2520.0	2590.2	2678.8	2548.5	2524.9	2889.7	3222.6	3359.4	2419.2
57.5°	2244.6	2260.8	2426.2	2577.5	2824.0	2854.2	2744.1	3075.7	3376.6	3579.2	2609.5
60°	1885.9	1919.6	2144.2	2375.7	2758.6	3073.9	3192.8	3328.3	3578.7	3803.7	2840.6
62.5°	1204.3	1217.5	1532.4	1920.1	2464.3	3052.5	3681.4	3773.5	3886.6	4096.2	3196.7
65°	603.0	645.1	829.8	1146.0	1777.1	2689.8	3928.3	4588.8	4450.2	4597.1	3773.9
67.5°	409.2	422.8	516.2	688.6	1042.0	1905.6	3775.2	5275.6	5234.8	5258.9	4389.2
70°	301.7	310.5	384.2	487.7	630.2	1082.0	3005.5	5223.8	5502.3	5493.5	4324.7
72.5°	220.2	224.5	280.2	372.3	467.1	559.6	1835.4	4219.9	4803.2	5056.3	3782.2
75°	160.1	165.3	194.7	278.5	363.1	349.1	906.1	3048.1	3662.9	4149.8	3081.4
77.5°	119.3	125.9	139.5	174.6	254.4	250.0	391.6	1979.3	2369.2	2710.4	1871.8
80°	86.0	87.3	95.2	111.8	161.4	146.5	186.4	1032.0	1183.3	1296.4	733.7
82.5°	52.2	53.5	63.6	68.9	100.0	92.1	96.9	334.2	478.9	508.3	274.1
85°	15.3	16.2	28.9	31.6	41.7	39.5	39.0	136.0	162.3	207.4	107.9
87.5°	0.0	0.0	0.0	0.0	0.4	2.6	4.8	24.1	36.4	50.4	26.3
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°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	715.3	705.2	700.0	690.7	684.2	677.6	671.0	664.9	662.2	658.3	659.2
5°	728.0	712.2	696.4	678.5	663.1	650.4	639.0	628.9	624.5	620.6	622.3
7.5°	747.3	723.6	693.4	660.5	636.4	618.8	607.0	600.0	597.8	594.7	594.7
10°	771.9	736.4	683.3	636.4	607.4	593.4	588.1	587.7	589.9	590.3	589.4
12.5°	799.1	748.6	668.4	607.9	583.3	578.9	582.9	590.3	597.8	601.7	600.8
15°	827.1	756.5	642.9	580.7	565.8	571.5	584.2	599.1	613.6	621.0	620.6
17.5°	853.5	758.3	610.1	554.4	550.4	564.9	586.8	610.1	629.8	640.3	640.8
20°	882.8	755.2	576.3	530.7	535.1	558.7	587.7	615.8	639.0	649.5	652.2
22.5°	909.6	744.7	543.4	508.3	521.9	551.3	580.7	607.0	627.6	637.7	641.2
25°	933.7	724.5	507.4	489.4	511.8	540.8	563.1	581.5	596.0	602.2	607.0
27.5°	946.9	694.3	480.2	474.5	502.2	525.8	538.1	543.8	548.7	546.9	550.4
30°	949.5	656.5	456.6	462.7	487.7	505.2	507.9	502.2	493.8	480.2	483.3
32.5°	946.9	613.1	436.8	450.0	471.5	482.0	478.5	463.6	443.4	422.3	423.7
35°	947.8	569.3	420.6	435.9	452.6	458.3	449.5	428.9	407.4	388.1	387.3
37.5°	957.4	532.4	407.0	422.3	434.2	435.1	425.4	403.9	393.0	378.5	376.7
40°	984.2	505.2	394.7	408.7	416.2	415.8	404.8	389.5	396.9	392.1	390.8
42.5°	1028.0	488.6	384.6	394.3	399.5	400.4	391.6	382.0	398.2	392.1	389.9
45°	1098.6	487.7	377.6	379.8	388.1	394.3	388.1	377.2	383.3	353.5	347.8
47.5°	1182.4	502.6	372.3	367.1	381.6	392.5	382.9	365.3	352.6	325.4	321.5
50°	1283.3	532.9	367.5	353.5	371.9	385.9	376.3	352.2	332.9	318.4	316.2
52.5°	1403.0	572.8	361.4	338.1	357.4	382.4	376.3	350.9	325.4	312.3	310.1
55°	1528.4	618.8	354.4	319.7	341.2	383.3	379.4	341.6	319.7	312.7	310.9
57.5°	1684.1	674.1	341.6	298.2	326.7	375.4	367.1	336.4	315.8	310.1	308.3
60°	1886.3	756.1	317.5	276.3	310.1	361.4	356.1	327.6	305.2	300.4	299.1
62.5°	2206.4	895.1	288.1	255.2	290.3	332.0	339.9	310.9	292.1	291.6	291.2
65°	2728.3	1062.2	253.5	236.4	269.7	307.9	318.4	293.8	278.5	283.3	282.9
67.5°	3094.1	1076.7	225.0	216.7	245.6	281.6	296.9	276.3	259.6	268.8	268.4
70°	2834.0	839.9	200.4	196.0	219.7	253.1	273.7	254.4	237.7	246.5	244.7
72.5°	2390.2	643.8	177.2	174.6	193.4	223.2	243.8	232.4	214.9	214.9	211.0
75°	1920.9	531.1	152.6	151.3	164.0	193.0	216.2	196.9	180.7	179.8	177.2
77.5°	1101.7	348.2	128.1	127.2	131.1	161.4	168.0	164.0	151.7	146.0	144.3
80°	439.0	181.1	100.9	95.2	99.1	118.4	132.4	125.9	115.3	108.3	104.4
82.5°	170.2	90.8	71.0	62.3	68.0	85.5	96.0	93.9	86.8	71.0	66.7
85°	69.3	44.3	42.5	36.0	39.5	46.0	55.3	47.8	39.5	28.1	26.8
87.5°	18.4	16.2	15.8	9.6	7.5	2.2	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)