

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: P631946

Luminaire Tested: GWS-SA2B-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631946
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-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6908 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

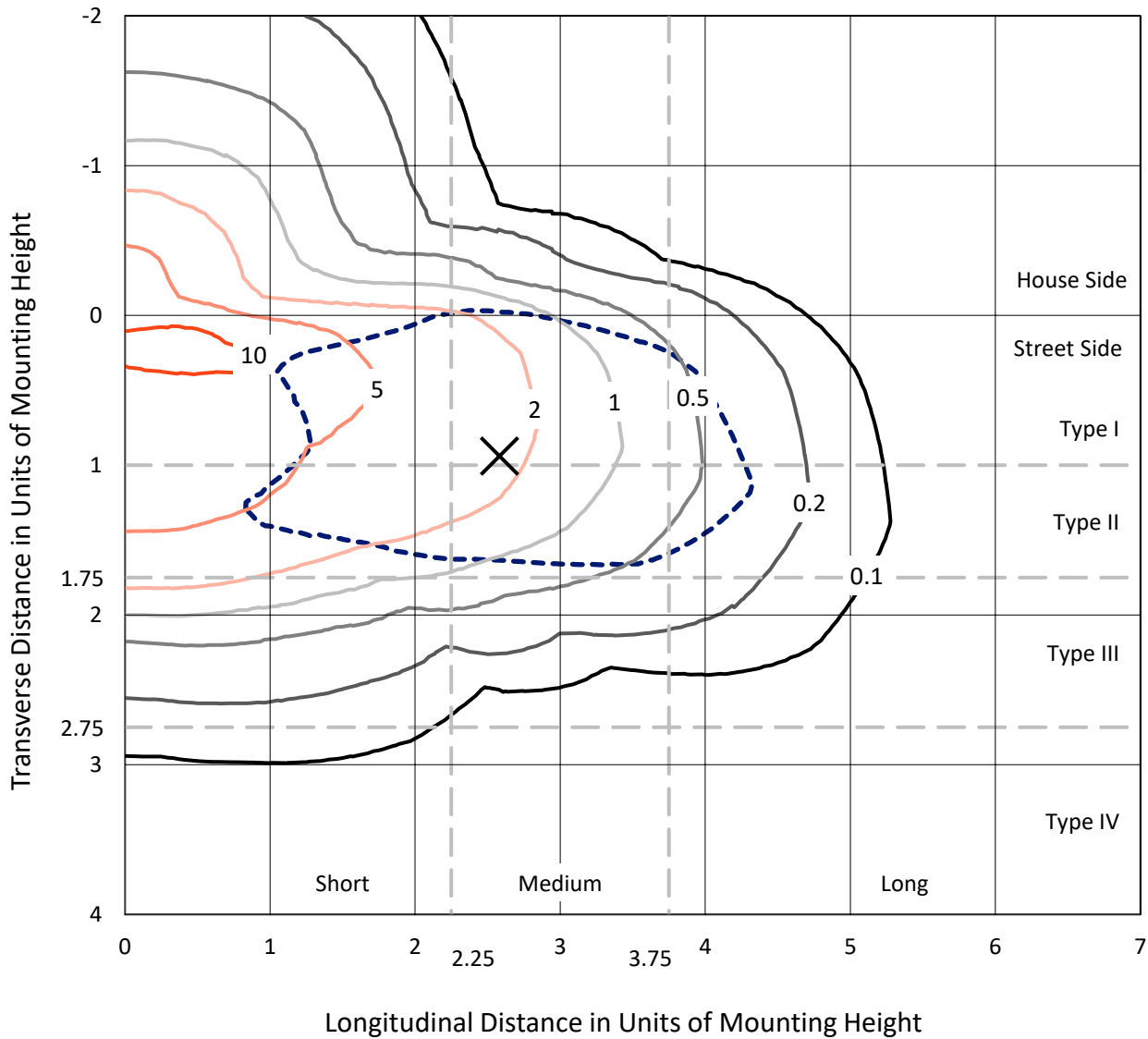
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

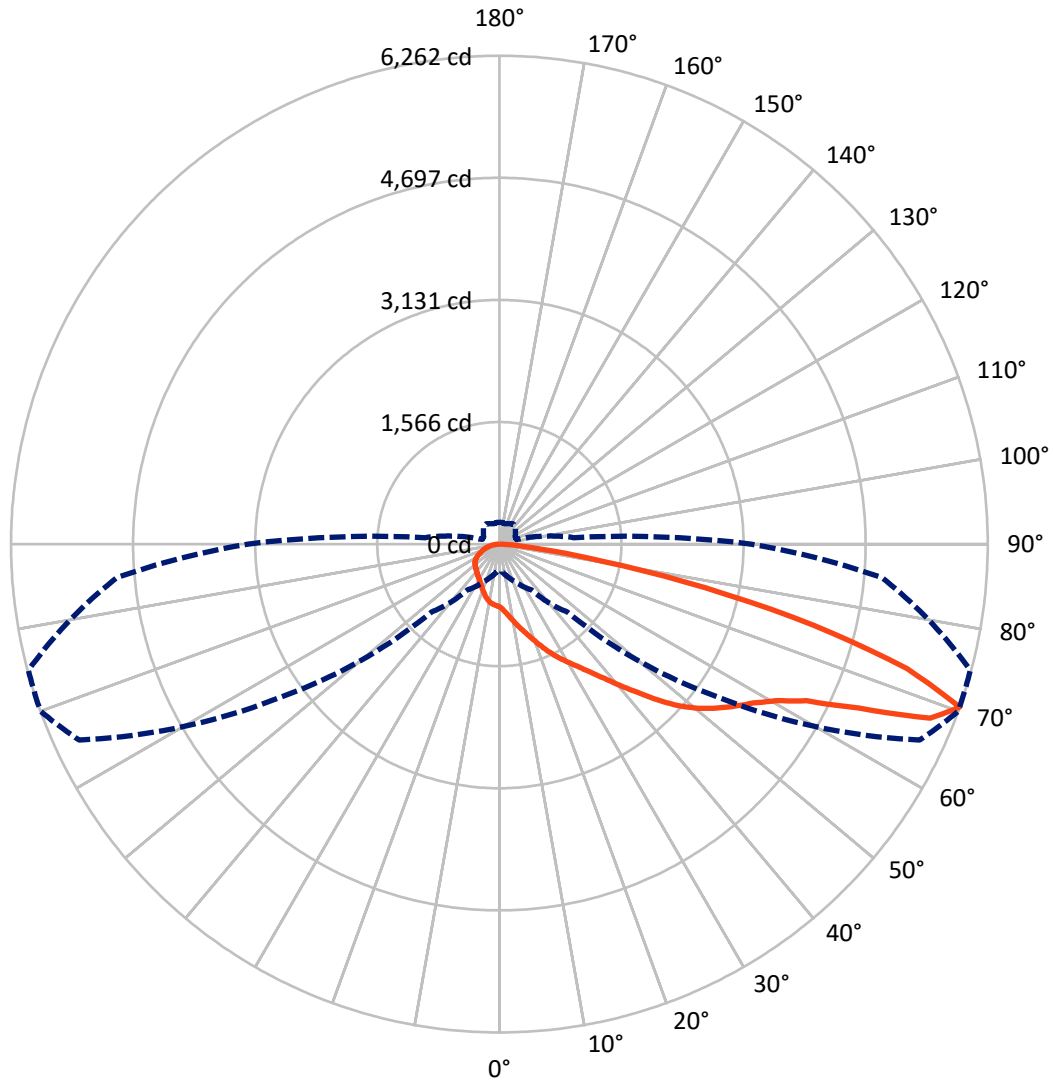
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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
House Side	Lumens	1237.9	0.0	1237.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5670.1	0.0	5670.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	6908.0	0.0	6908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.2
10°-20°	266.4	3.9
20°-30°	471.9	6.8
30°-40°	710.2	10.3
40°-50°	1074.4	15.6
50°-60°	1539.1	22.3
60°-70°	1701.3	24.6
70°-80°	960.1	13.9
80°-90°	102.7	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°	6908.0	100.0
0°-180°	6908.0	100.0

Coefficient of Utilization



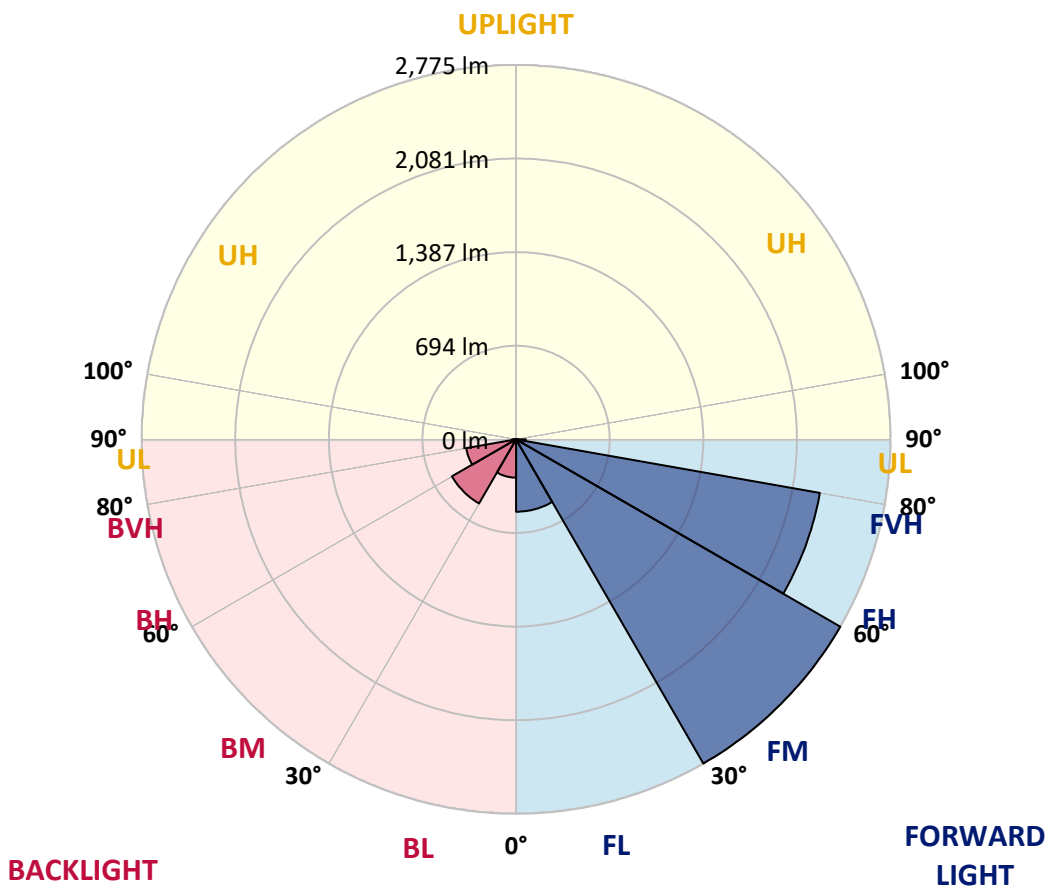
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.3	7.8			
FM (30°-60°)	2774.9	40.2			
FH (60°-80°)	2286.3	33.1			G2/5000
FVH (80°-90°)	72.6	1.1			G1/100
BL (0°-30°)	283.8	4.1	B1/500		
BM (30°-60°)	548.8	7.9	B1/1000		
BH (60°-80°)	375.2	5.4	B1/500		G1/500
BVH (80°-90°)	30.1	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°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	892.5	891.0	892.0	891.0	885.5	872.0	861.0	847.0	837.6	832.1	819.1
5°	997.3	995.8	992.3	987.3	977.3	958.9	931.4	901.0	882.5	868.5	841.1
7.5°	1072.7	1072.7	1072.2	1066.2	1059.2	1039.7	1007.3	967.3	940.4	916.4	871.5
10°	1111.1	1113.6	1117.1	1125.6	1124.1	1113.6	1083.1	1040.2	1006.3	978.3	911.4
12.5°	1132.1	1133.6	1139.5	1157.0	1175.0	1177.5	1159.5	1114.6	1077.6	1040.2	955.9
15°	1159.0	1159.5	1167.5	1188.5	1214.9	1241.4	1236.9	1192.0	1154.0	1112.6	1005.3
17.5°	1180.0	1183.5	1197.9	1222.4	1255.3	1291.8	1313.7	1285.8	1238.9	1191.5	1059.2
20°	1187.5	1190.0	1208.9	1246.4	1291.3	1342.7	1391.6	1384.1	1336.7	1280.8	1120.1
22.5°	1214.4	1214.4	1228.4	1259.8	1312.7	1387.6	1467.0	1486.4	1444.5	1379.1	1185.5
25°	1273.8	1271.8	1278.3	1291.3	1331.2	1423.6	1541.4	1599.8	1552.8	1479.5	1250.9
27.5°	1355.2	1354.2	1353.7	1355.7	1369.1	1455.0	1604.2	1705.6	1658.7	1575.8	1309.3
30°	1443.5	1440.5	1447.0	1441.0	1438.0	1492.4	1657.7	1800.4	1764.0	1671.1	1357.7
32.5°	1563.8	1558.3	1556.8	1537.4	1525.4	1550.8	1700.6	1908.2	1879.3	1774.0	1412.1
35°	1722.5	1717.5	1692.1	1661.1	1625.7	1637.7	1754.0	2013.5	2015.5	1902.7	1483.5
37.5°	1882.8	1883.8	1863.8	1790.9	1754.5	1747.5	1835.3	2141.8	2184.7	2056.5	1575.8
40°	2016.0	2022.0	2022.0	1945.2	1890.8	1884.3	1949.7	2294.1	2379.4	2245.1	1692.6
42.5°	2117.4	2122.9	2140.3	2084.9	2027.5	2050.0	2088.4	2446.8	2600.0	2478.2	1840.3
45°	2228.7	2233.2	2242.6	2210.7	2177.3	2237.2	2245.6	2629.5	2852.6	2739.8	2012.0
47.5°	2376.4	2372.4	2373.4	2350.0	2324.0	2420.8	2418.8	2783.2	3096.7	3026.3	2198.2
50°	2560.1	2567.6	2560.6	2514.2	2483.7	2572.1	2583.6	2953.4	3311.3	3309.8	2385.9
52.5°	2736.8	2739.8	2776.7	2778.7	2716.3	2697.9	2727.8	3125.1	3492.5	3569.4	2566.1
55°	2745.8	2757.3	2868.1	2947.9	3048.8	2900.5	2873.6	3288.8	3667.7	3823.4	2753.3
57.5°	2554.6	2573.1	2761.3	2933.5	3214.0	3248.4	3123.1	3500.5	3842.9	4073.5	2969.9
60°	2146.3	2184.7	2440.3	2703.9	3139.6	3498.5	3633.8	3788.0	4073.0	4329.1	3232.9
62.5°	1370.6	1385.6	1744.0	2185.2	2804.7	3474.0	4189.8	4294.6	4423.4	4662.0	3638.2
65°	686.3	734.2	944.4	1304.3	2022.5	3061.2	4470.8	5222.5	5064.8	5232.0	4295.1
67.5°	465.7	481.2	587.5	783.7	1186.0	2168.8	4296.6	6004.2	5957.8	5985.2	4995.4
70°	343.4	353.4	437.2	555.0	717.3	1231.4	3420.6	5945.3	6262.2	6252.3	4922.0
72.5°	250.6	255.6	319.0	423.8	531.6	636.9	2088.9	4802.7	5466.6	5754.6	4304.6
75°	182.2	188.2	221.6	317.0	413.3	397.3	1031.2	3469.0	4168.8	4722.9	3507.0
77.5°	135.8	143.3	158.7	198.7	289.5	284.5	445.7	2252.6	2696.4	3084.7	2130.3
80°	97.8	99.3	108.3	127.3	183.7	166.7	212.1	1174.5	1346.7	1475.5	835.1
82.5°	59.4	60.9	72.4	78.4	113.8	104.8	110.3	380.3	545.1	578.5	312.0
85°	17.5	18.5	32.9	35.9	47.4	44.9	44.4	154.7	184.7	236.1	122.8
87.5°	0.0	0.0	0.0	0.0	0.5	3.0	5.5	27.5	41.4	57.4	29.9
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°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	814.1	802.6	796.6	786.1	778.7	771.2	763.7	756.7	753.7	749.2	750.2
5°	828.6	810.6	792.6	772.2	754.7	740.2	727.3	715.8	710.8	706.3	708.3
7.5°	850.5	823.6	789.1	751.7	724.3	704.3	690.8	682.8	680.3	676.8	676.8
10°	878.5	838.1	777.7	724.3	691.3	675.3	669.3	668.9	671.3	671.8	670.8
12.5°	909.4	852.0	760.7	691.8	663.9	658.9	663.4	671.8	680.3	684.8	683.8
15°	941.4	861.0	731.7	660.9	643.9	650.4	664.9	681.8	698.3	706.8	706.3
17.5°	971.3	863.0	694.3	630.9	626.4	642.9	667.9	694.3	716.8	728.7	729.2
20°	1004.8	859.5	655.9	604.0	609.0	635.9	668.9	700.8	727.3	739.2	742.2
22.5°	1035.2	847.5	618.4	578.5	594.0	627.4	660.9	690.8	714.3	725.8	729.7
25°	1062.7	824.6	577.5	557.0	582.5	615.4	640.9	661.9	678.3	685.3	690.8
27.5°	1077.6	790.1	546.6	540.1	571.5	598.5	612.4	618.9	624.4	622.4	626.4
30°	1080.6	747.2	519.6	526.6	555.0	575.0	578.0	571.5	562.0	546.6	550.1
32.5°	1077.6	697.8	497.1	512.1	536.6	548.6	544.6	527.6	504.6	480.7	482.2
35°	1078.6	647.9	478.7	496.1	515.1	521.6	511.6	488.2	463.7	441.7	440.7
37.5°	1089.6	606.0	463.2	480.7	494.2	495.1	484.2	459.7	447.2	430.8	428.8
40°	1120.1	575.0	449.2	465.2	473.7	473.2	460.7	443.2	451.7	446.2	444.7
42.5°	1170.0	556.0	437.7	448.7	454.7	455.7	445.7	434.8	453.2	446.2	443.7
45°	1250.4	555.0	429.8	432.3	441.7	448.7	441.7	429.3	436.3	402.3	395.8
47.5°	1345.7	572.0	423.8	417.8	434.3	446.7	435.8	415.8	401.3	370.4	365.9
50°	1460.5	606.5	418.3	402.3	423.3	439.2	428.3	400.8	378.8	362.4	359.9
52.5°	1596.8	651.9	411.3	384.8	406.8	435.3	428.3	399.3	370.4	355.4	352.9
55°	1739.5	704.3	403.3	363.9	388.3	436.3	431.8	388.8	363.9	355.9	353.9
57.5°	1916.7	767.2	388.8	339.4	371.9	427.3	417.8	382.8	359.4	352.9	350.9
60°	2146.8	860.5	361.4	314.5	352.9	411.3	405.3	372.9	347.4	341.9	340.4
62.5°	2511.2	1018.7	327.9	290.5	330.4	377.9	386.8	353.9	332.4	331.9	331.4
65°	3105.2	1208.9	288.5	269.0	307.0	350.4	362.4	334.4	317.0	322.4	321.9
67.5°	3521.4	1225.4	256.1	246.6	279.5	320.4	337.9	314.5	295.5	306.0	305.5
70°	3225.5	955.9	228.1	223.1	250.1	288.0	311.5	289.5	270.5	280.5	278.5
72.5°	2720.3	732.7	201.7	198.7	220.1	254.1	277.5	264.5	244.6	244.6	240.1
75°	2186.2	604.5	173.7	172.2	186.7	219.6	246.1	224.1	205.6	204.6	201.7
77.5°	1253.8	396.3	145.7	144.8	149.2	183.7	191.2	186.7	172.7	166.2	164.2
80°	499.6	206.1	114.8	108.3	112.8	134.8	150.7	143.3	131.3	123.3	118.8
82.5°	193.7	103.3	80.9	70.9	77.4	97.3	109.3	106.8	98.8	80.9	75.9
85°	78.9	50.4	48.4	40.9	44.9	52.4	62.9	54.4	44.9	31.9	30.4
87.5°	21.0	18.5	18.0	11.0	8.5	2.5	0.5	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)