

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: P629346

Luminaire Tested: GWS-SA1B-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

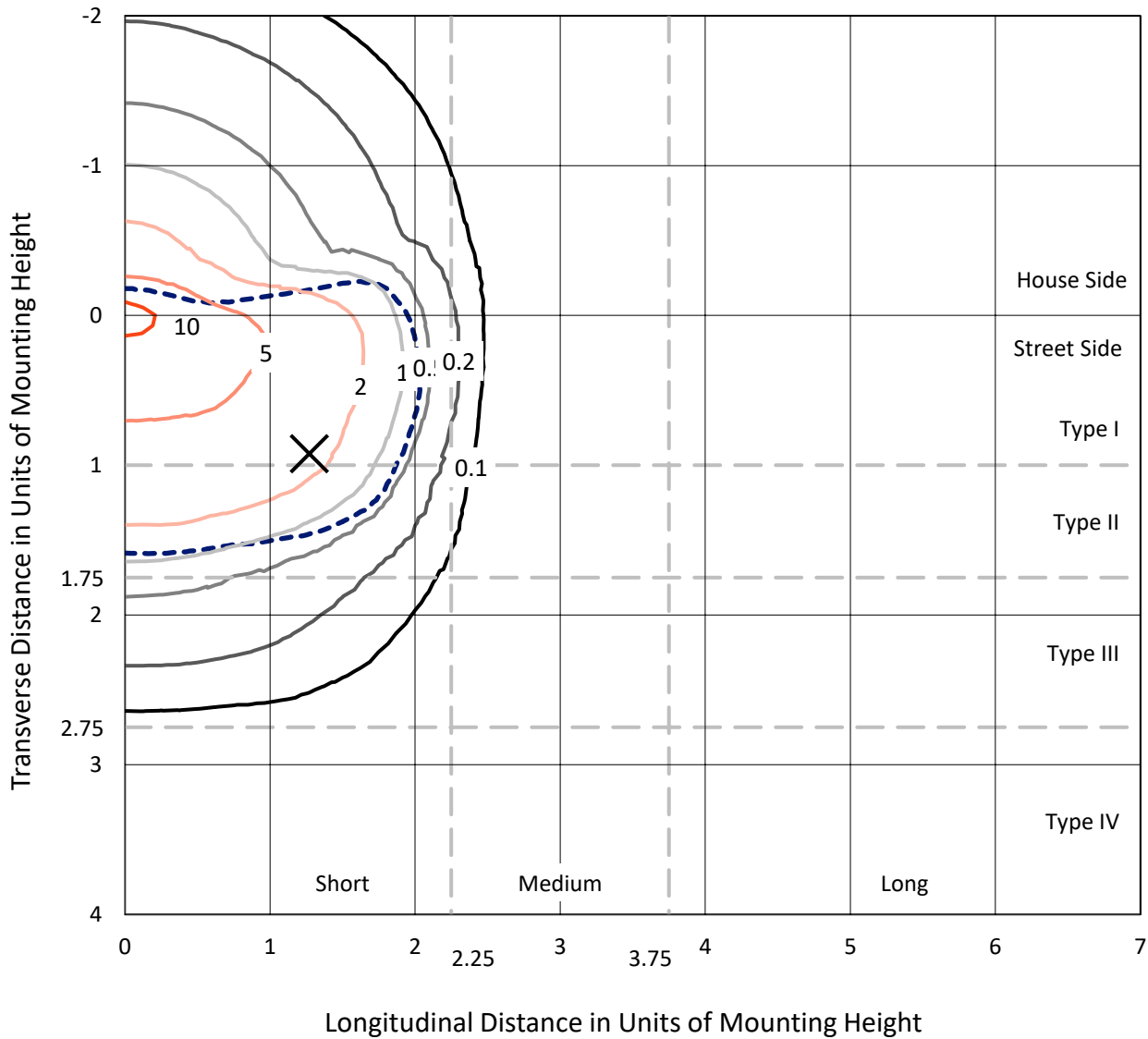
Lumens per Lamp: N/A  
Luminaire Lumens: 3001.4 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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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 CATALOG NUMBER: GWS-SA1B-740-U-SL3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

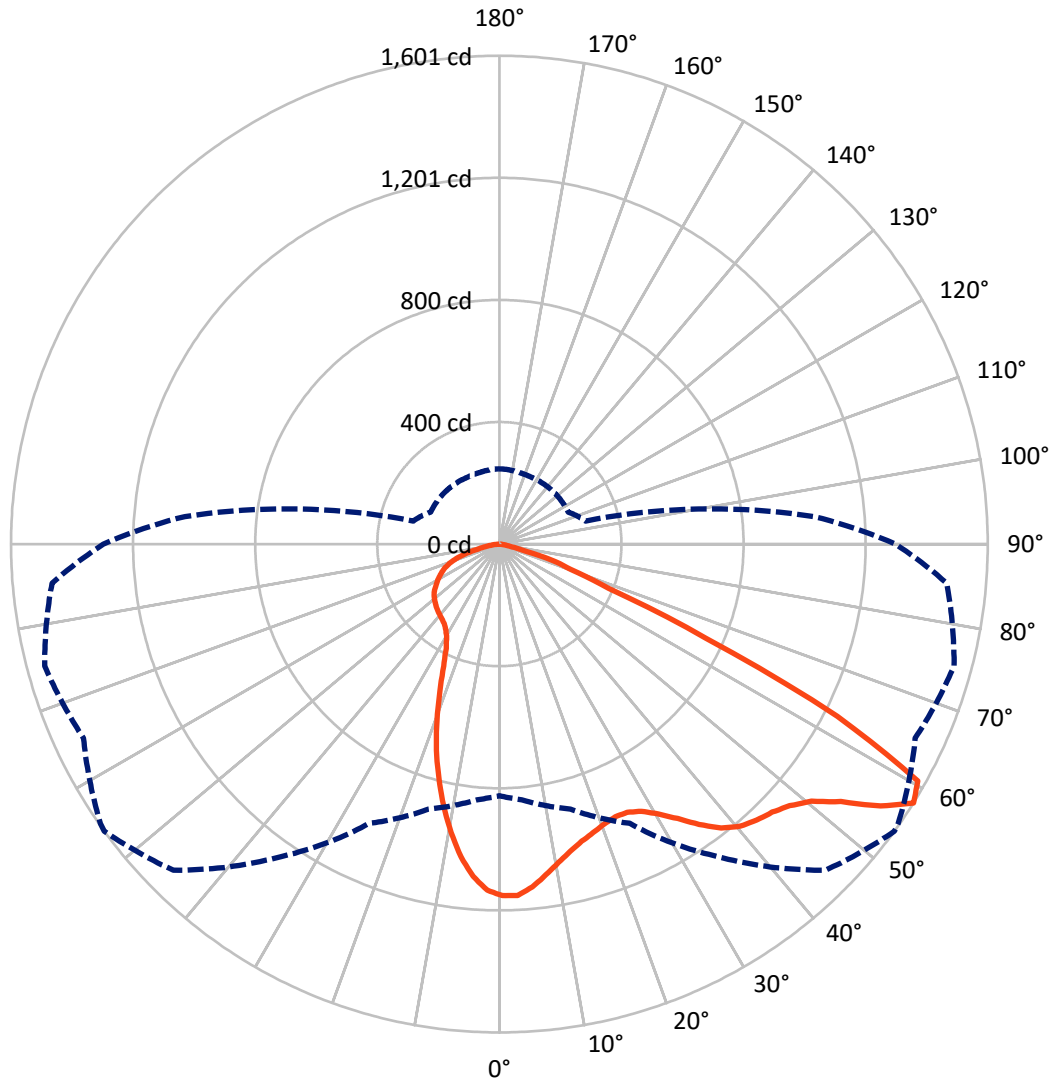
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P629346  
CATALOG NUMBER: GWS-SA1B-740-U-SL3-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1B-740-U-SL3-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	872.5	0.0	872.5
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	2128.9	0.0	2128.9
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	3001.4	0.0	3001.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.3	3.4
10°-20°	241.7	8.1
20°-30°	334.5	11.1
30°-40°	464.7	15.5
40°-50°	613.8	20.4
50°-60°	729.4	24.3
60°-70°	404.1	13.5
70°-80°	100.6	3.4
80°-90°	11.4	0.4
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°	3001.4	100.0
0°-180°	3001.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629346

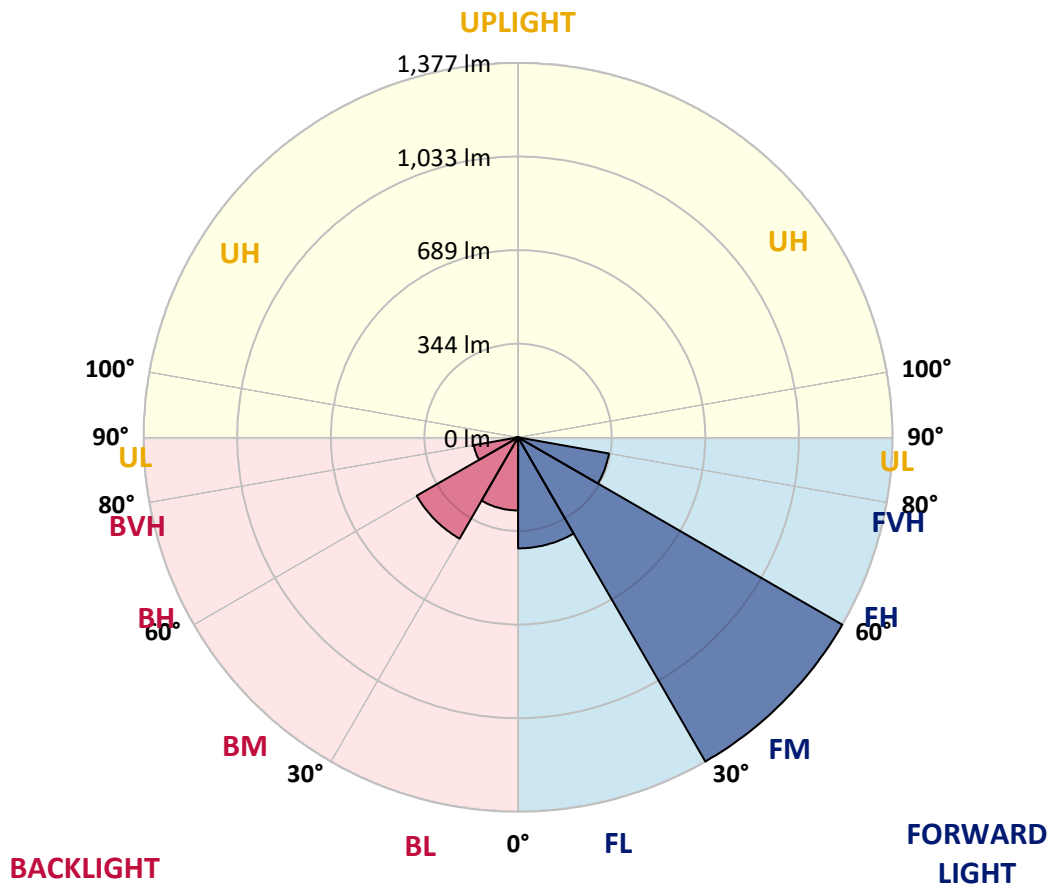
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.5	13.6			
FM (30°-60°)	1377.4	45.9			
FH (60°-80°)	339.3	11.3			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	268.9	9.0	B1/500		
BM (30°-60°)	430.4	14.3	B1/1000		
BH (60°-80°)	165.4	5.5	B1/500		G1/500
BVH (80°-90°)	7.9	0.3			G0/10
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





REPORT NUMBER: P629346

CATALOG NUMBER: GWS-SA1B-740-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3
2.5°	1130.7	1133.0	1134.6	1140.0	1144.6	1148.7	1153.1	1153.1	1152.8	1152.0	1150.5
5°	1086.0	1088.6	1092.2	1099.6	1109.7	1116.9	1128.7	1129.7	1134.8	1136.9	1135.9
7.5°	1034.1	1034.9	1039.5	1049.3	1065.2	1078.1	1095.0	1097.1	1109.4	1116.6	1115.3
10°	977.3	974.8	983.0	997.4	1018.2	1039.8	1061.6	1063.4	1083.2	1096.8	1095.8
12.5°	925.4	925.7	933.9	951.4	977.3	1004.1	1033.3	1037.5	1061.9	1079.3	1077.5
15°	882.0	883.0	893.1	912.9	942.4	974.3	1010.7	1014.6	1045.4	1068.5	1063.4
17.5°	847.3	848.4	857.1	879.7	911.3	949.8	994.3	998.2	1036.4	1063.9	1053.4
20°	823.4	822.9	831.4	853.0	885.6	927.5	979.9	985.6	1033.6	1065.7	1046.7
22.5°	813.7	813.4	819.6	837.3	867.9	910.3	971.2	978.9	1036.7	1073.7	1042.6
25°	818.6	817.5	822.9	836.0	860.4	903.6	973.7	982.0	1049.8	1090.1	1043.4
27.5°	833.7	832.4	837.1	848.9	867.4	910.5	991.7	1001.2	1077.5	1120.2	1053.6
30°	856.8	856.1	860.7	872.0	888.2	933.7	1026.2	1036.9	1120.4	1167.0	1076.0
32.5°	883.8	882.5	890.8	903.9	922.6	975.8	1072.4	1086.5	1171.3	1227.1	1113.5
35°	914.1	913.1	924.4	943.4	970.4	1034.4	1128.4	1143.8	1223.2	1295.2	1163.4
37.5°	943.7	943.7	965.5	993.8	1027.7	1098.1	1181.1	1190.8	1259.2	1355.5	1216.8
40°	969.9	971.4	1004.3	1046.7	1089.9	1155.6	1215.8	1224.0	1275.1	1397.2	1263.3
42.5°	998.9	1000.2	1038.5	1094.0	1145.4	1202.1	1236.8	1240.9	1278.2	1418.0	1296.2
45°	1022.0	1023.8	1071.4	1130.7	1193.7	1237.1	1253.5	1257.1	1282.6	1429.3	1320.1
47.5°	1034.1	1036.7	1091.2	1160.3	1226.3	1268.4	1281.0	1282.6	1300.6	1449.1	1348.9
50°	1032.1	1037.2	1098.6	1174.9	1250.5	1300.0	1325.2	1327.8	1337.3	1478.1	1382.5
52.5°	1050.3	1052.6	1114.5	1192.4	1284.9	1358.4	1402.0	1405.6	1401.3	1499.9	1402.5
55°	1020.0	1031.0	1094.8	1189.8	1337.3	1448.5	1515.9	1514.1	1459.3	1524.3	1436.0
57.5°	825.0	841.2	899.5	1010.0	1251.0	1511.7	1600.9	1596.5	1504.3	1543.1	1472.2
60°	571.1	573.7	626.4	704.7	965.5	1335.5	1576.0	1585.5	1512.5	1519.5	1405.1
62.5°	456.8	456.0	460.9	463.0	614.0	938.8	1244.0	1278.7	1256.6	1183.9	995.8
65°	390.0	392.8	407.2	399.8	400.8	528.8	743.3	748.2	732.7	706.5	526.7
67.5°	305.2	310.1	335.5	364.6	355.3	340.4	385.6	383.3	302.1	233.8	193.2
70°	191.2	194.2	221.5	286.2	309.3	279.5	247.9	246.9	161.9	133.1	145.9
72.5°	111.5	112.0	119.7	159.6	205.3	191.2	182.4	175.7	104.1	106.1	116.4
75°	61.4	61.4	61.1	68.9	80.9	71.7	69.4	67.6	69.6	78.9	86.6
77.5°	12.8	13.1	13.9	18.2	23.6	28.8	36.2	36.5	45.5	52.7	58.8
80°	5.9	6.2	7.7	9.8	12.6	16.7	22.1	22.4	27.5	33.1	37.3
82.5°	3.1	3.3	4.1	5.1	6.7	8.7	12.3	12.3	16.4	19.5	22.1
85°	1.0	1.0	1.5	2.1	2.8	3.6	4.9	4.9	7.2	9.5	11.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	1.3	1.5	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629346

CATALOG NUMBER: GWS-SA1B-740-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3
2.5°	1147.2	1139.2	1139.5	1141.0	1136.1	1128.7	1123.8	1117.6	1113.8	1113.0	1115.8
5°	1130.7	1121.5	1115.1	1108.4	1094.5	1078.1	1065.2	1054.7	1047.7	1045.2	1042.1
7.5°	1108.1	1096.0	1079.9	1061.1	1035.9	1006.6	986.1	966.8	953.4	949.6	947.8
10°	1085.5	1068.0	1039.3	1004.3	962.4	922.9	885.6	857.1	834.5	821.6	825.8
12.5°	1062.1	1040.5	995.6	941.9	883.6	824.0	775.1	727.9	691.4	673.1	667.7
15°	1041.6	1012.3	949.6	876.9	799.3	724.3	653.6	582.7	536.5	511.3	504.3
17.5°	1024.1	986.1	901.0	810.6	717.8	611.0	524.1	458.4	426.8	412.9	411.8
20°	1006.9	960.4	853.0	739.2	623.8	504.1	426.5	395.7	384.4	379.5	379.2
22.5°	991.5	933.4	802.4	667.7	530.3	423.7	381.0	367.7	364.6	364.6	364.1
25°	978.4	906.4	750.5	592.0	445.8	377.2	357.4	351.7	353.0	355.3	355.6
27.5°	973.0	885.4	700.4	514.1	387.4	350.2	341.2	340.4	344.0	347.6	348.1
30°	978.6	871.0	649.0	439.6	352.5	333.7	329.6	331.2	335.5	339.1	339.1
32.5°	996.1	863.8	596.6	385.1	332.2	322.2	320.9	322.4	325.8	327.8	328.1
35°	1025.6	866.6	542.4	348.4	319.1	313.7	313.4	314.5	315.8	317.0	317.3
37.5°	1062.9	879.2	484.3	327.1	310.6	307.5	307.0	306.8	307.0	307.0	307.3
40°	1099.4	898.2	432.4	314.5	304.7	302.1	300.9	299.1	298.8	298.3	298.0
42.5°	1126.4	912.9	391.0	305.5	299.3	296.2	294.7	291.9	291.6	291.4	291.1
45°	1146.7	925.2	356.6	296.7	293.7	290.8	287.5	284.9	285.4	286.0	286.0
47.5°	1169.5	936.0	331.4	288.5	286.7	283.9	279.8	278.0	279.8	281.6	281.6
50°	1197.3	951.1	310.9	280.3	279.5	276.2	272.6	271.8	273.9	276.5	276.5
52.5°	1217.6	964.2	296.2	272.1	272.1	267.7	264.6	264.4	266.7	269.3	269.5
55°	1255.6	994.8	291.1	262.6	261.5	258.2	255.9	254.1	256.9	259.2	259.2
57.5°	1298.5	1035.4	292.4	249.0	247.7	246.6	244.8	242.8	243.6	246.1	246.4
60°	1207.5	956.8	278.2	235.3	234.6	234.1	231.7	228.1	229.2	231.2	231.5
62.5°	843.5	635.9	225.1	218.4	221.0	220.7	217.6	213.5	213.8	216.6	216.6
65°	437.8	344.0	197.6	203.0	206.8	205.3	200.1	196.5	196.0	199.6	198.9
67.5°	188.8	187.8	179.8	186.8	190.9	187.6	182.2	176.3	176.8	178.0	177.0
70°	152.1	156.7	160.1	167.5	170.9	164.7	158.8	155.4	152.6	152.4	150.6
72.5°	121.5	127.9	135.4	143.1	144.1	138.0	130.5	127.4	123.1	122.8	121.0
75°	91.5	96.9	102.8	108.9	108.9	103.0	98.1	96.6	91.5	89.9	88.4
77.5°	62.4	65.8	70.4	71.9	73.5	71.2	66.3	63.7	57.8	56.3	54.2
80°	39.3	41.6	44.4	45.5	47.0	44.2	40.3	37.5	33.4	32.1	31.1
82.5°	23.6	25.2	27.0	27.5	28.8	26.7	23.1	21.1	18.8	17.7	17.0
85°	12.1	12.8	13.9	14.1	13.9	11.8	10.5	9.5	8.0	7.7	7.2
87.5°	3.1	3.6	3.9	3.6	3.3	2.6	1.8	1.3	0.5	0.5	0.3
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)