

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: P629885

Luminaire Tested: GWS-SA1C-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5006.8 lumens
Efficiency: N/A
Efficacy: 146.8 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

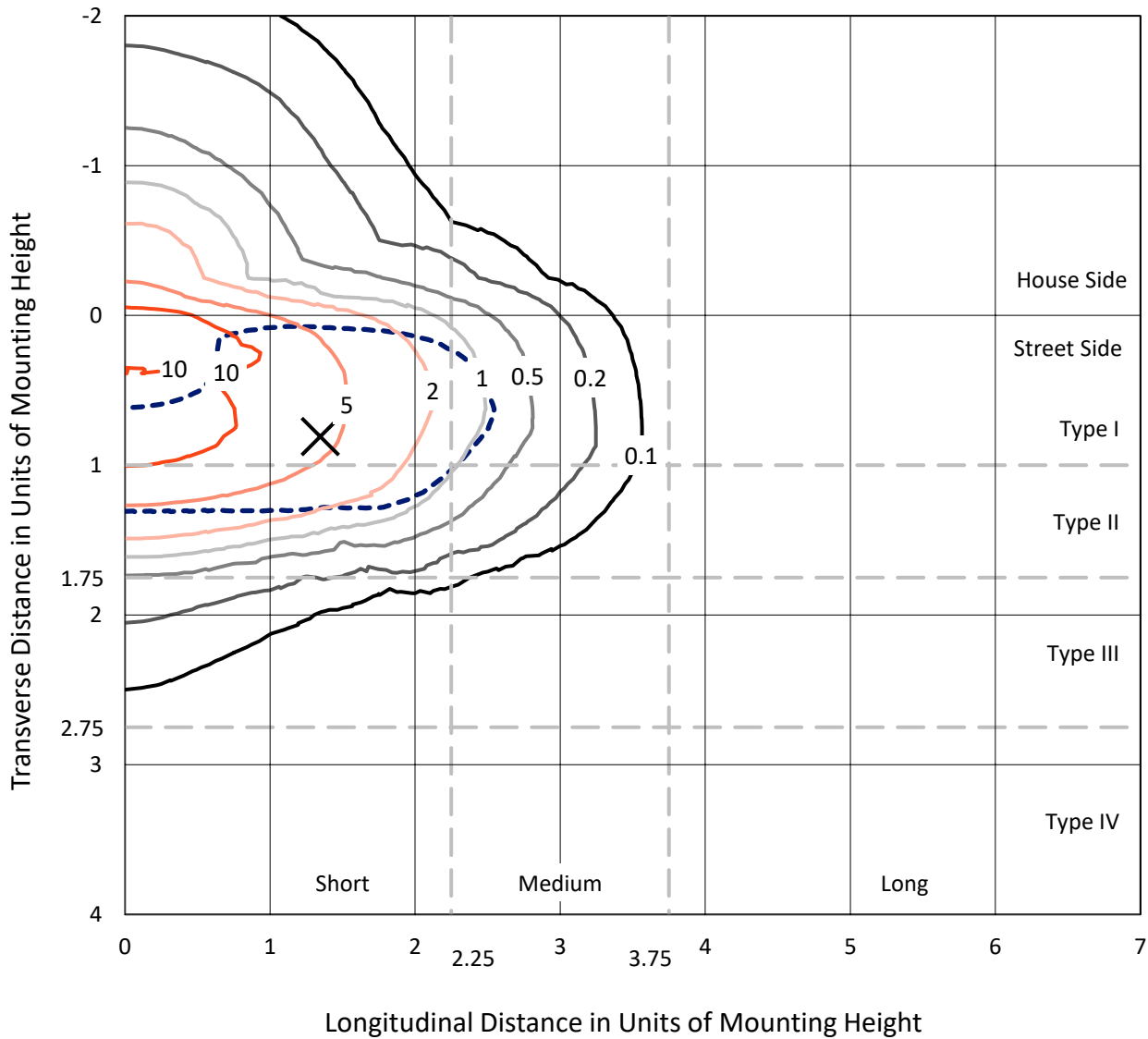
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629885
 CATALOG NUMBER: GWS-SA1C-750-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

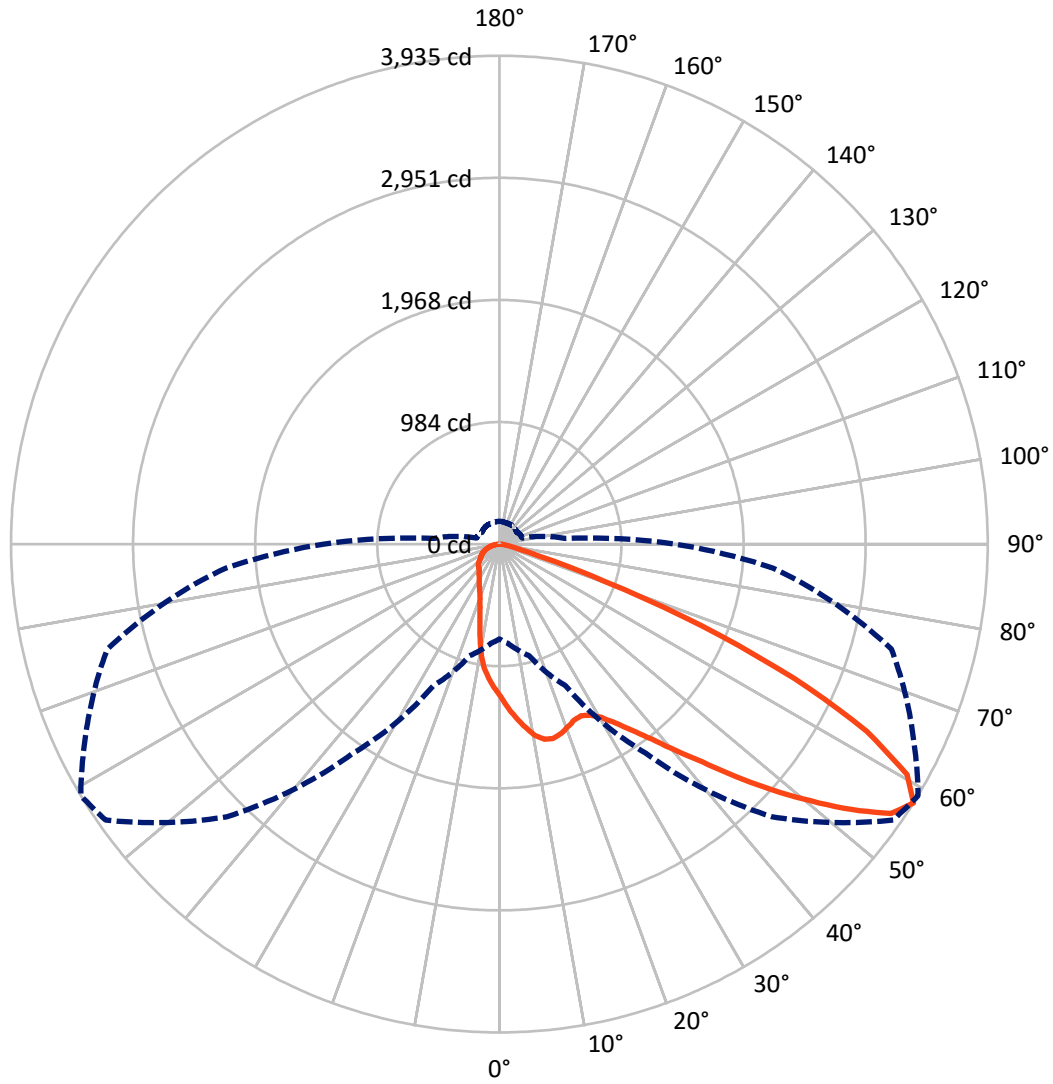
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

REPORT NUMBER: P629885
CATALOG NUMBER: GWS-SA1C-750-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629885

CATALOG NUMBER: GWS-SA1C-750-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	777.0	0.0	777.0
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	4229.8	0.0	4229.8
	% Fixture	84.5	0.0	84.5
Total	Lumens	5006.8	0.0	5006.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	2.3
10°-20°	289.2	5.8
20°-30°	468.8	9.4
30°-40°	754.1	15.1
40°-50°	1171.0	23.4
50°-60°	1261.3	25.2
60°-70°	732.0	14.6
70°-80°	191.1	3.8
80°-90°	25.2	0.5
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°	5006.8	100.0
0°-180°	5006.8	100.0

Coefficient of Utilization



REPORT NUMBER: P629885

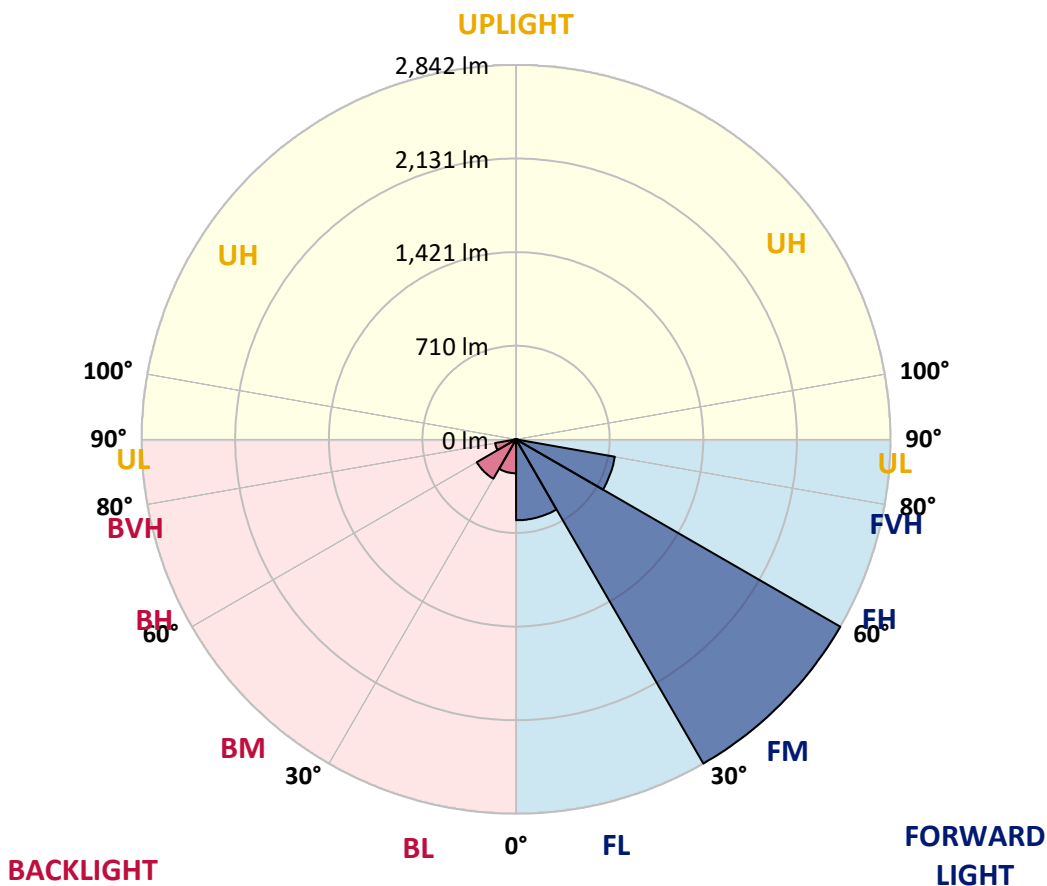
CATALOG NUMBER: GWS-SA1C-750-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.3	12.3			
FM (30°-60°)	2841.9	56.8			
FH (60°-80°)	761.5	15.2			G1/1800
FVH (80°-90°)	12.1	0.2			G1/100
BL (0°-30°)	257.8	5.1	B1/500		
BM (30°-60°)	344.5	6.9	B1/1000		
BH (60°-80°)	161.6	3.2	B1/500		G1/500
BVH (80°-90°)	13.1	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





REPORT NUMBER: P629885

CATALOG NUMBER: GWS-SA1C-750-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1394.0	1382.4	1390.5	1376.1	1370.1	1354.2	1333.8	1320.0	1298.9	1271.4	1247.4
5°	1532.5	1524.4	1526.2	1510.7	1496.9	1470.5	1428.6	1405.3	1369.4	1314.0	1262.6
7.5°	1528.3	1537.8	1543.1	1556.5	1560.4	1557.9	1520.2	1487.8	1448.3	1365.1	1287.6
10°	1370.1	1388.0	1404.2	1450.1	1505.8	1576.3	1585.1	1565.7	1525.9	1430.3	1317.5
12.5°	1197.7	1211.4	1225.9	1280.9	1366.2	1507.2	1602.7	1614.7	1598.8	1494.8	1351.4
15°	1113.1	1119.5	1133.2	1169.5	1237.5	1394.0	1572.0	1624.5	1653.1	1563.2	1389.4
17.5°	1109.6	1112.4	1119.1	1138.5	1185.7	1306.6	1516.7	1604.8	1695.7	1635.5	1433.9
20°	1182.5	1175.1	1170.9	1170.6	1193.8	1277.4	1463.1	1573.1	1715.8	1709.5	1481.4
22.5°	1283.7	1286.2	1277.0	1254.4	1251.6	1298.2	1436.3	1541.0	1721.8	1775.0	1525.5
25°	1427.2	1439.5	1412.4	1369.4	1348.2	1358.4	1452.9	1531.1	1721.1	1829.7	1553.0
27.5°	1594.6	1604.1	1576.6	1520.2	1476.5	1451.8	1502.2	1560.4	1727.1	1876.9	1569.6
30°	1785.3	1788.4	1750.7	1691.5	1627.7	1574.8	1584.4	1620.7	1757.8	1938.9	1588.9
32.5°	2018.3	2031.6	1974.5	1880.8	1791.6	1723.9	1694.7	1717.9	1824.0	2012.3	1618.9
35°	2314.0	2318.6	2246.0	2111.7	1985.5	1891.7	1830.4	1842.7	1924.8	2114.8	1664.0
37.5°	2592.8	2597.4	2520.2	2395.4	2214.9	2086.6	1997.8	1992.2	2053.9	2259.7	1737.7
40°	2769.7	2782.8	2748.2	2670.0	2497.6	2324.6	2204.0	2184.6	2223.0	2437.0	1840.3
42.5°	2864.9	2870.5	2869.8	2880.0	2777.5	2605.5	2436.6	2397.9	2423.6	2628.4	1943.9
45°	2865.6	2879.7	2917.4	3015.7	3020.3	2913.2	2730.6	2670.0	2646.4	2821.2	2052.1
47.5°	2737.3	2752.5	2856.1	3049.6	3192.3	3216.7	3082.7	2961.1	2861.7	2987.2	2140.9
50°	2348.9	2386.9	2584.3	2926.6	3226.2	3459.9	3418.6	3253.7	3053.1	3115.5	2196.6
52.5°	2011.6	2010.1	2131.7	2579.0	3084.8	3567.0	3743.6	3554.7	3242.4	3196.9	2210.7
55°	1473.0	1481.1	1605.5	1972.4	2707.7	3463.4	3922.3	3831.7	3459.5	3240.3	2205.1
57.5°	763.8	804.0	931.6	1258.7	2057.4	3106.7	3874.7	3935.0	3680.2	3270.9	2212.5
60°	386.0	378.2	424.0	601.0	1192.1	2426.4	3581.5	3773.6	3720.0	3294.9	2217.0
62.5°	257.7	255.5	242.9	278.5	487.1	1437.0	3053.1	3322.4	3443.3	3238.5	2158.5
65°	223.1	218.9	195.6	194.2	236.5	596.0	2237.8	2611.8	2845.9	2987.9	2018.6
67.5°	200.9	194.6	170.9	159.3	169.9	261.9	1261.1	1751.8	2101.4	2526.9	1712.0
70°	179.4	176.2	152.6	135.7	134.6	159.7	464.6	904.1	1285.8	1723.9	1251.6
72.5°	160.7	155.1	135.0	118.8	110.7	113.1	201.6	348.2	665.5	1075.4	748.7
75°	139.2	135.0	117.4	101.2	91.3	82.8	123.0	161.1	303.5	511.1	353.5
77.5°	107.5	104.7	92.7	80.4	74.7	61.7	74.7	101.5	140.3	215.4	184.0
80°	62.4	64.1	69.1	62.7	55.0	44.1	48.6	58.5	84.2	116.7	104.3
82.5°	31.4	33.5	44.8	36.3	32.8	25.7	28.9	34.5	44.1	64.5	40.9
85°	2.5	2.5	8.1	9.2	11.3	9.2	11.6	14.1	20.1	25.7	13.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.8	3.2	6.0	3.9
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: P629885
 CATALOG NUMBER: GWS-SA1C-750-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1231.2	1213.2	1191.7	1174.1	1146.9	1132.5	1114.2	1091.6	1082.4	1078.2	1075.7
5°	1233.7	1201.9	1156.1	1113.8	1066.9	1029.9	988.7	945.7	921.0	915.0	910.8
7.5°	1242.8	1198.4	1125.4	1055.7	968.6	887.9	809.3	731.4	691.5	676.4	675.0
10°	1255.5	1197.0	1094.4	978.5	831.5	703.9	611.9	550.9	525.2	516.7	513.9
12.5°	1271.4	1195.9	1053.5	871.3	673.2	552.7	500.2	490.3	493.8	493.1	493.1
15°	1291.5	1197.3	1004.2	750.1	544.6	479.7	480.8	492.4	503.3	505.1	505.1
17.5°	1313.3	1195.9	932.6	628.5	467.4	462.4	478.7	494.9	504.7	506.1	506.1
20°	1336.9	1189.2	842.4	513.9	433.5	451.5	469.1	481.8	487.8	489.2	489.2
22.5°	1351.0	1170.2	744.4	435.0	412.0	434.2	445.9	458.9	459.6	448.3	448.0
25°	1348.9	1134.6	632.7	384.2	389.1	408.5	423.3	414.2	402.9	396.5	395.5
27.5°	1335.5	1081.0	518.8	345.8	362.0	383.8	379.3	371.5	368.7	361.6	360.9
30°	1318.6	1015.1	416.6	315.8	333.8	353.9	346.8	346.1	343.3	335.6	335.6
32.5°	1302.4	947.1	339.4	293.6	315.8	317.2	327.1	327.8	326.4	313.0	311.6
35°	1297.8	879.1	287.3	276.0	298.2	297.5	311.6	311.2	286.9	268.2	267.9
37.5°	1311.5	810.0	256.2	261.5	273.9	283.0	294.3	273.9	265.8	254.5	253.8
40°	1340.8	746.2	240.4	253.1	258.4	271.8	254.1	255.5	253.4	245.0	243.9
42.5°	1379.6	691.9	231.6	250.3	249.6	253.1	233.7	239.3	242.5	236.2	235.1
45°	1416.9	644.7	227.0	239.7	243.2	222.8	218.9	224.2	229.1	226.6	225.6
47.5°	1444.4	603.8	224.5	225.2	235.1	212.5	206.2	208.7	214.7	215.7	215.4
50°	1452.9	568.9	221.7	213.2	211.1	202.3	197.4	196.7	203.7	208.7	209.4
52.5°	1436.7	537.9	214.3	202.7	192.4	193.9	192.1	188.6	195.6	202.3	203.0
55°	1412.7	520.2	202.7	192.4	180.5	186.1	186.8	183.6	188.2	192.8	192.8
57.5°	1414.5	530.5	191.4	182.9	169.9	177.3	181.2	179.8	179.8	183.3	183.6
60°	1426.1	545.3	184.0	170.9	159.3	167.1	175.9	174.5	171.3	175.9	175.9
62.5°	1392.6	525.5	179.1	159.3	148.0	157.2	167.8	167.1	163.5	170.9	171.7
65°	1293.9	472.7	173.4	144.9	136.8	147.3	156.5	159.0	155.8	165.7	167.4
67.5°	1084.6	397.6	162.5	131.1	125.5	135.3	144.2	147.7	145.2	156.8	158.3
70°	808.6	321.8	145.2	116.0	111.7	120.5	128.7	130.1	130.4	144.2	145.6
72.5°	515.7	250.3	122.3	99.0	95.9	102.6	108.6	114.2	116.7	129.7	129.4
75°	287.6	186.1	98.3	83.9	78.2	83.5	90.6	97.3	104.3	123.4	125.5
77.5°	165.7	130.8	77.9	67.3	60.6	66.3	72.3	81.8	102.9	119.5	117.4
80°	93.4	84.9	58.9	49.3	45.1	49.3	53.9	71.9	81.1	88.1	89.2
82.5°	43.7	47.6	40.2	30.3	30.3	33.1	37.4	55.7	61.3	50.1	43.7
85°	15.9	21.5	19.7	15.5	13.7	13.4	23.3	31.7	19.7	17.6	15.2
87.5°	4.2	6.0	5.6	3.9	2.1	1.8	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)