

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: P630105

Luminaire Tested: GWS-SA1D-722-U-AFL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630105  
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-SA1D-722-U-AFL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

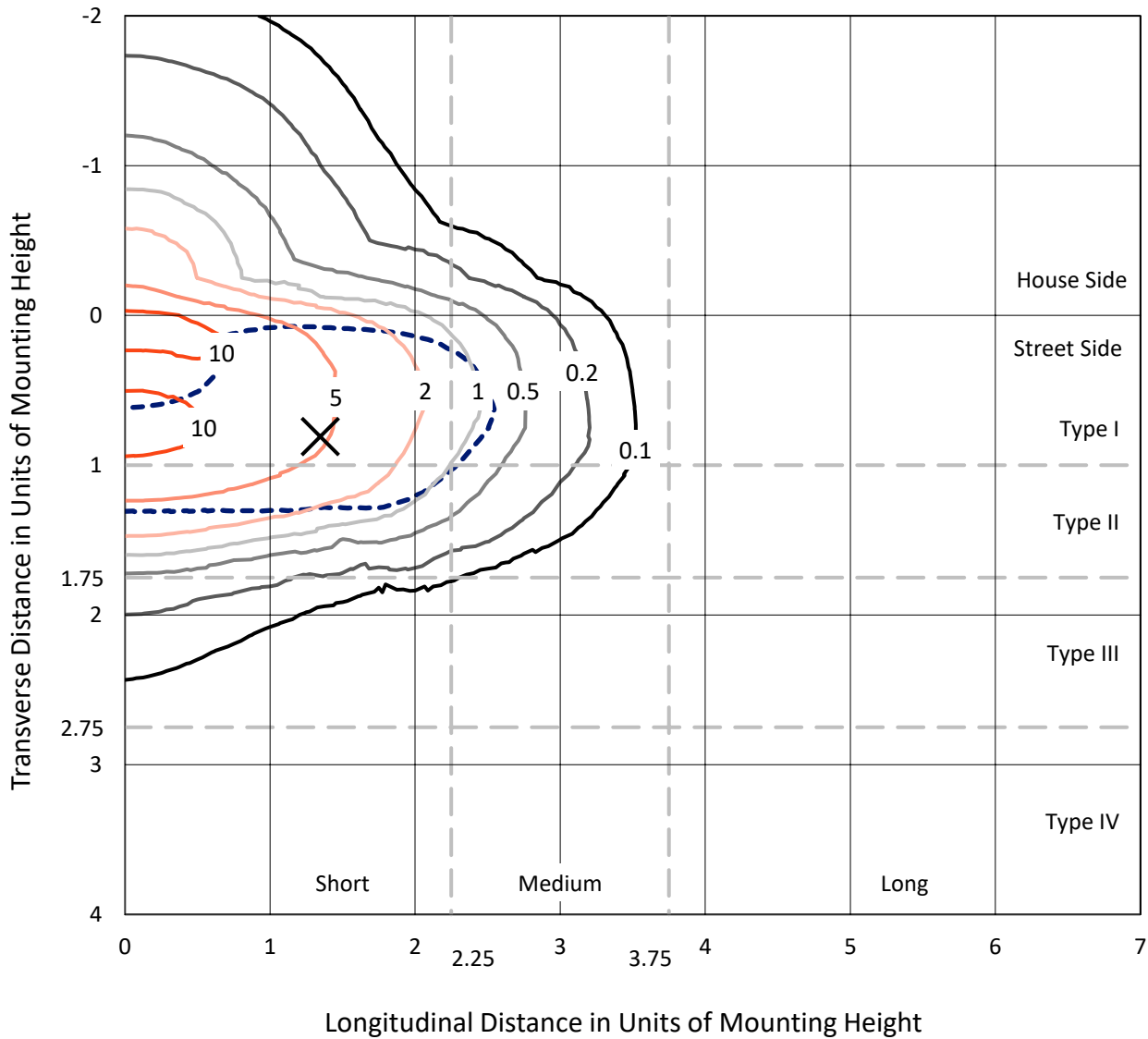
Lumens per Lamp: N/A  
Luminaire Lumens: 4548.4 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P630105  
 CATALOG NUMBER: GWS-SA1D-722-U-AFL-W

### Iso-Footcandle Lines of Horizontal Illumination

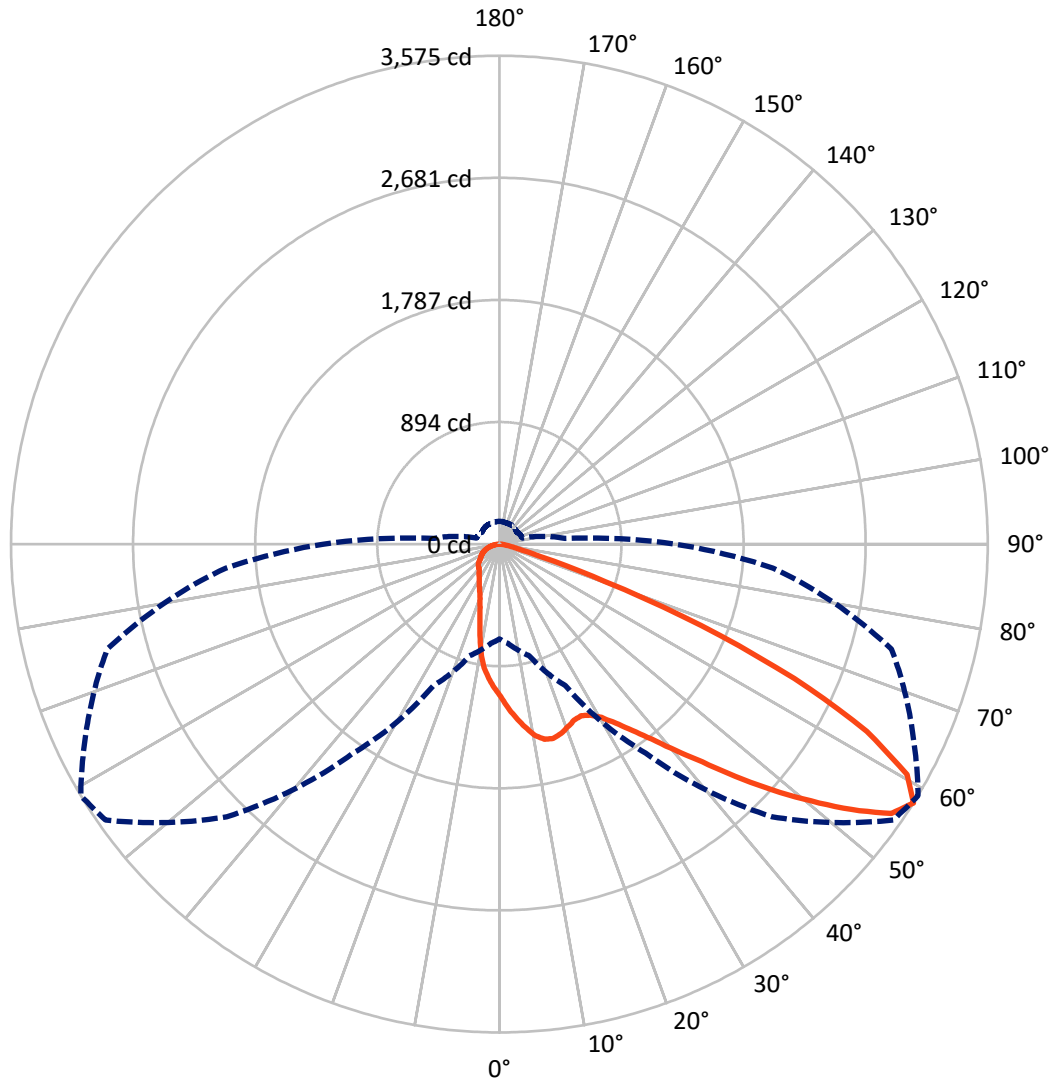
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P630105  
CATALOG NUMBER: GWS-SA1D-722-U-AFL-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630105

CATALOG NUMBER: GWS-SA1D-722-U-AFL-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	705.9	0.0	705.9
	% Fixture	15.5	0.0	15.5
<b>Street Side</b>	Lumens	3842.5	0.0	3842.5
	% Fixture	84.5	0.0	84.5
<b>Total</b>	Lumens	4548.4	0.0	4548.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	2.3
10°-20°	262.7	5.8
20°-30°	425.8	9.4
30°-40°	685.0	15.1
40°-50°	1063.8	23.4
50°-60°	1145.9	25.2
60°-70°	665.0	14.6
70°-80°	173.6	3.8
80°-90°	22.9	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°	4548.4	100.0
0°-180°	4548.4	100.0

**Coefficient of Utilization**



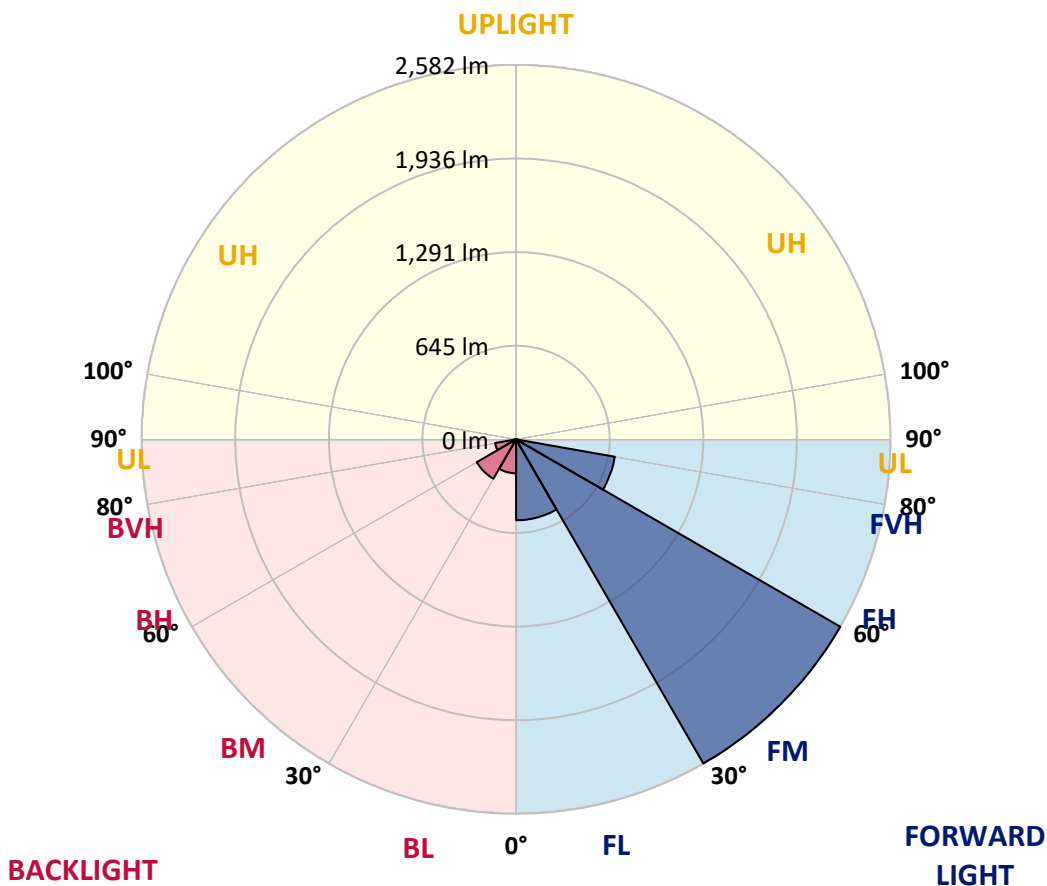
REPORT NUMBER: P630105

CATALOG NUMBER: GWS-SA1D-722-U-AFL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.0	12.3			
FM (30°-60°)	2581.7	56.8			
FH (60°-80°)	691.8	15.2			G1/1800
FVH (80°-90°)	11.0	0.2			G1/100
BL (0°-30°)	234.2	5.1	B1/500		
BM (30°-60°)	313.0	6.9	B1/1000		
BH (60°-80°)	146.8	3.2	B1/500		G1/500
BVH (80°-90°)	11.9	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





REPORT NUMBER: P630105

CATALOG NUMBER: GWS-SA1D-722-U-AFL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1266.4	1255.8	1263.2	1250.1	1244.6	1230.2	1211.6	1199.2	1179.9	1155.0	1133.2
5°	1392.2	1384.9	1386.5	1372.4	1359.9	1335.9	1297.8	1276.6	1244.0	1193.7	1147.0
7.5°	1388.4	1397.0	1401.8	1414.0	1417.5	1415.3	1381.0	1351.6	1315.7	1240.1	1169.7
10°	1244.6	1261.0	1275.7	1317.3	1367.9	1431.9	1439.9	1422.3	1386.2	1299.4	1196.9
12.5°	1088.0	1100.5	1113.7	1163.6	1241.1	1369.2	1456.0	1466.8	1452.4	1358.0	1227.7
15°	1011.2	1017.0	1029.4	1062.4	1124.2	1266.4	1428.1	1475.8	1501.7	1420.1	1262.2
17.5°	1008.0	1010.6	1016.6	1034.2	1077.2	1187.0	1377.8	1457.9	1540.5	1485.7	1302.6
20°	1074.3	1067.6	1063.7	1063.4	1084.5	1160.4	1329.2	1429.1	1558.7	1553.0	1345.8
22.5°	1166.2	1168.4	1160.1	1139.6	1137.0	1179.3	1304.8	1399.9	1564.2	1612.5	1385.8
25°	1296.5	1307.7	1283.0	1244.0	1224.8	1234.1	1319.9	1391.0	1563.5	1662.2	1410.8
27.5°	1448.6	1457.2	1432.3	1381.0	1341.3	1318.9	1364.7	1417.5	1569.0	1705.1	1425.9
30°	1621.8	1624.7	1590.4	1536.6	1478.7	1430.7	1439.3	1472.3	1596.8	1761.4	1443.5
32.5°	1833.5	1845.6	1793.8	1708.6	1627.6	1566.1	1539.5	1560.7	1657.0	1828.0	1470.7
35°	2102.1	2106.3	2040.3	1918.3	1803.7	1718.5	1662.8	1674.0	1748.6	1921.2	1511.7
37.5°	2355.4	2359.6	2289.4	2176.1	2012.1	1895.6	1814.9	1809.8	1865.8	2052.8	1578.6
40°	2516.1	2528.0	2496.6	2425.5	2268.9	2111.7	2002.2	1984.6	2019.5	2213.9	1671.8
42.5°	2602.6	2607.7	2607.1	2616.4	2523.2	2366.9	2213.6	2178.3	2201.7	2387.7	1765.9
45°	2603.2	2616.0	2650.3	2739.6	2743.8	2646.5	2480.6	2425.5	2404.1	2562.9	1864.2
47.5°	2486.7	2500.5	2594.6	2770.4	2900.1	2922.2	2800.5	2690.0	2599.7	2713.7	1944.9
50°	2133.8	2168.4	2347.7	2658.6	2930.8	3143.1	3105.6	2955.8	2773.6	2830.3	1995.5
52.5°	1827.4	1826.1	1936.6	2342.9	2802.4	3240.4	3400.9	3229.2	2945.5	2904.2	2008.3
55°	1338.1	1345.5	1458.5	1791.8	2459.8	3146.3	3563.2	3480.9	3142.8	2943.6	2003.2
57.5°	693.9	730.4	846.3	1143.4	1869.0	2822.3	3520.0	3574.7	3343.2	2971.5	2009.9
60°	350.6	343.6	385.2	545.9	1082.9	2204.3	3253.6	3428.1	3379.4	2993.2	2014.1
62.5°	234.1	232.1	220.6	253.0	442.5	1305.5	2773.6	3018.2	3128.0	2942.0	1960.9
65°	202.7	198.8	177.7	176.4	214.9	541.5	2033.0	2372.7	2585.3	2714.3	1833.8
67.5°	182.5	176.8	155.3	144.7	154.3	237.9	1145.7	1591.4	1909.0	2295.5	1555.2
70°	163.0	160.1	138.6	123.3	122.3	145.1	422.0	821.3	1168.1	1566.1	1137.0
72.5°	146.0	140.9	122.6	107.9	100.5	102.8	183.2	316.4	604.5	976.9	680.1
75°	126.5	122.6	106.6	91.9	82.9	75.2	111.8	146.3	275.7	464.3	321.2
77.5°	97.7	95.1	84.2	73.0	67.9	56.0	67.9	92.2	127.4	195.6	167.1
80°	56.7	58.3	62.8	57.0	50.0	40.0	44.2	53.2	76.5	106.0	94.8
82.5°	28.5	30.4	40.7	33.0	29.8	23.4	26.3	31.4	40.0	58.6	37.1
85°	2.2	2.2	7.4	8.3	10.2	8.3	10.6	12.8	18.3	23.4	12.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.6	2.9	5.4	3.5
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: P630105  
 CATALOG NUMBER: GWS-SA1D-722-U-AFL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5	1116.5
2.5°	1118.5	1102.1	1082.6	1066.6	1041.9	1028.8	1012.2	991.7	983.3	979.5	977.3
5°	1120.7	1091.9	1050.3	1011.8	969.2	935.6	898.2	859.1	836.7	831.2	827.4
7.5°	1129.0	1088.7	1022.4	959.0	879.9	806.6	735.2	664.4	628.2	614.5	613.2
10°	1140.6	1087.4	994.2	888.9	755.4	639.4	555.9	500.5	477.1	469.4	466.9
12.5°	1155.0	1086.4	957.1	791.5	611.6	502.1	454.4	445.4	448.6	448.0	448.0
15°	1173.2	1087.7	912.3	681.4	494.7	435.8	436.8	447.3	457.2	458.8	458.8
17.5°	1193.1	1086.4	847.3	570.9	424.6	420.1	434.8	449.6	458.5	459.8	459.8
20°	1214.5	1080.4	765.3	466.9	393.8	410.2	426.2	437.7	443.2	444.4	444.4
22.5°	1227.3	1063.1	676.3	395.1	374.3	394.5	405.1	416.9	417.5	407.3	407.0
25°	1225.4	1030.7	574.8	349.0	353.5	371.1	384.6	376.2	366.0	360.2	359.3
27.5°	1213.2	982.1	471.3	314.1	328.8	348.7	344.5	337.5	334.9	328.5	327.9
30°	1197.9	922.2	378.5	286.9	303.2	321.5	315.1	314.4	311.9	304.8	304.8
32.5°	1183.1	860.4	308.4	266.7	286.9	288.2	297.1	297.8	296.5	284.3	283.1
35°	1179.0	798.6	261.0	250.7	270.9	270.2	283.1	282.7	260.6	243.7	243.4
37.5°	1191.5	735.8	232.8	237.6	248.8	257.1	267.4	248.8	241.4	231.2	230.5
40°	1218.0	677.9	218.4	229.9	234.7	246.9	230.9	232.1	230.2	222.5	221.6
42.5°	1253.3	628.6	210.4	227.3	226.7	229.9	212.3	217.4	220.3	214.5	213.6
45°	1287.2	585.6	206.2	217.7	220.9	202.4	198.8	203.6	208.1	205.9	204.9
47.5°	1312.2	548.5	204.0	204.6	213.6	193.1	187.3	189.6	195.0	196.0	195.6
50°	1319.9	516.8	201.4	193.7	191.8	183.8	179.3	178.7	185.1	189.6	190.2
52.5°	1305.1	488.6	194.7	184.1	174.8	176.1	174.5	171.3	177.7	183.8	184.4
55°	1283.4	472.6	184.1	174.8	163.9	169.1	169.7	166.8	171.0	175.2	175.2
57.5°	1285.0	481.9	173.9	166.2	154.3	161.1	164.6	163.3	163.3	166.5	166.8
60°	1295.5	495.4	167.1	155.3	144.7	151.8	159.8	158.5	155.6	159.8	159.8
62.5°	1265.1	477.4	162.7	144.7	134.5	142.8	152.4	151.8	148.6	155.3	155.9
65°	1175.5	429.4	157.5	131.6	124.2	133.8	142.2	144.4	141.5	150.5	152.1
67.5°	985.3	361.2	147.6	119.1	114.0	123.0	131.0	134.2	131.9	142.5	143.8
70°	734.5	292.3	131.9	105.3	101.5	109.5	116.9	118.2	118.5	131.0	132.2
72.5°	468.5	227.3	111.1	90.0	87.1	93.2	98.6	103.7	106.0	117.8	117.5
75°	261.3	169.1	89.3	76.2	71.1	75.9	82.3	88.4	94.8	112.1	114.0
77.5°	150.5	118.8	70.8	61.2	55.1	60.2	65.6	74.3	93.5	108.5	106.6
80°	84.9	77.2	53.5	44.8	41.0	44.8	49.0	65.3	73.6	80.1	81.0
82.5°	39.7	43.2	36.5	27.5	27.5	30.1	33.9	50.6	55.7	45.5	39.7
85°	14.4	19.5	17.9	14.1	12.5	12.2	21.1	28.8	17.9	16.0	13.8
87.5°	3.8	5.4	5.1	3.5	1.9	1.6	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)