

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: P630110

Luminaire Tested: GWS-SA1D-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3804.2 lumens
Efficiency: N/A
Efficacy: 85.9 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

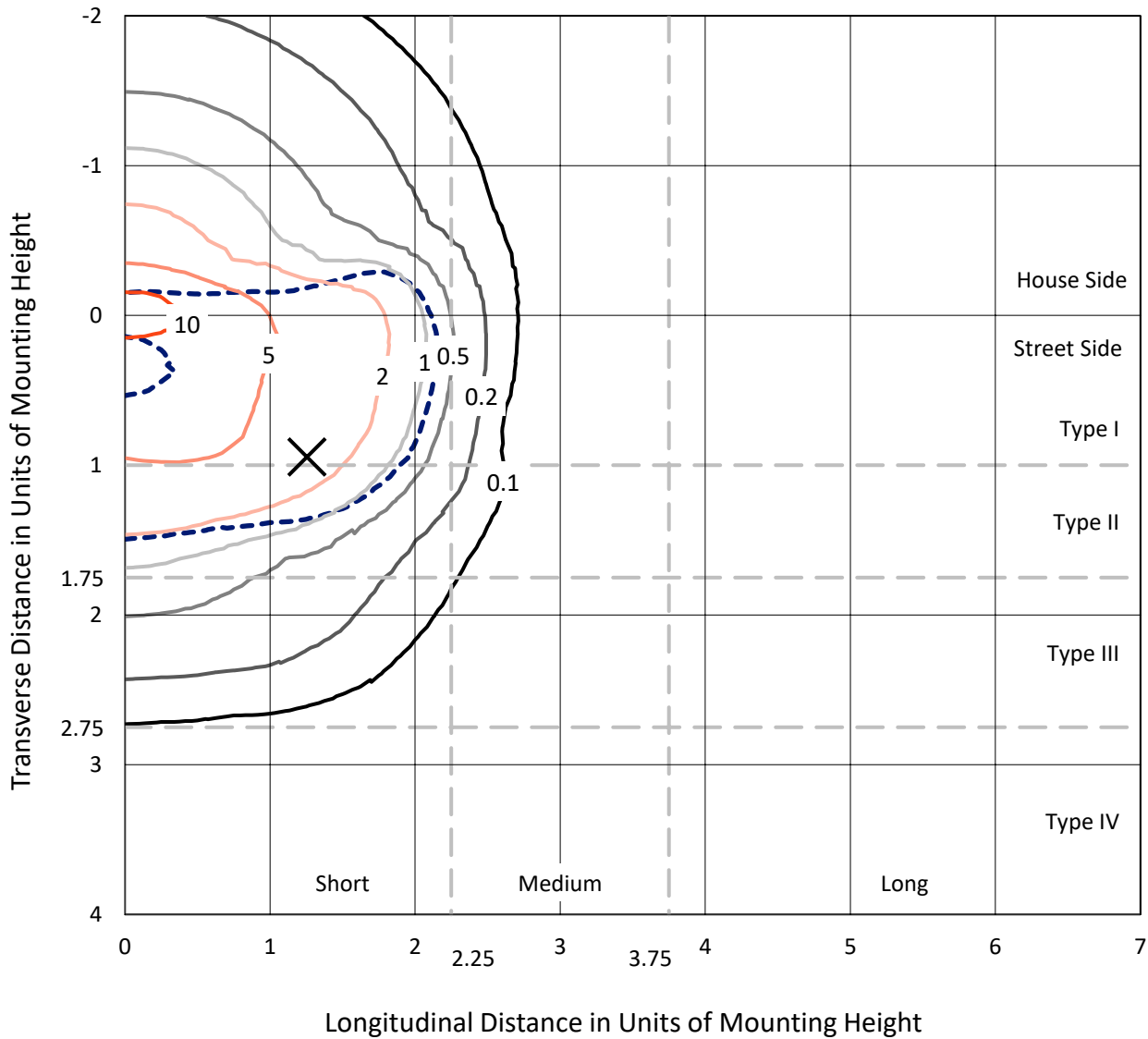
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630110
 CATALOG NUMBER: GWS-SA1D-722-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

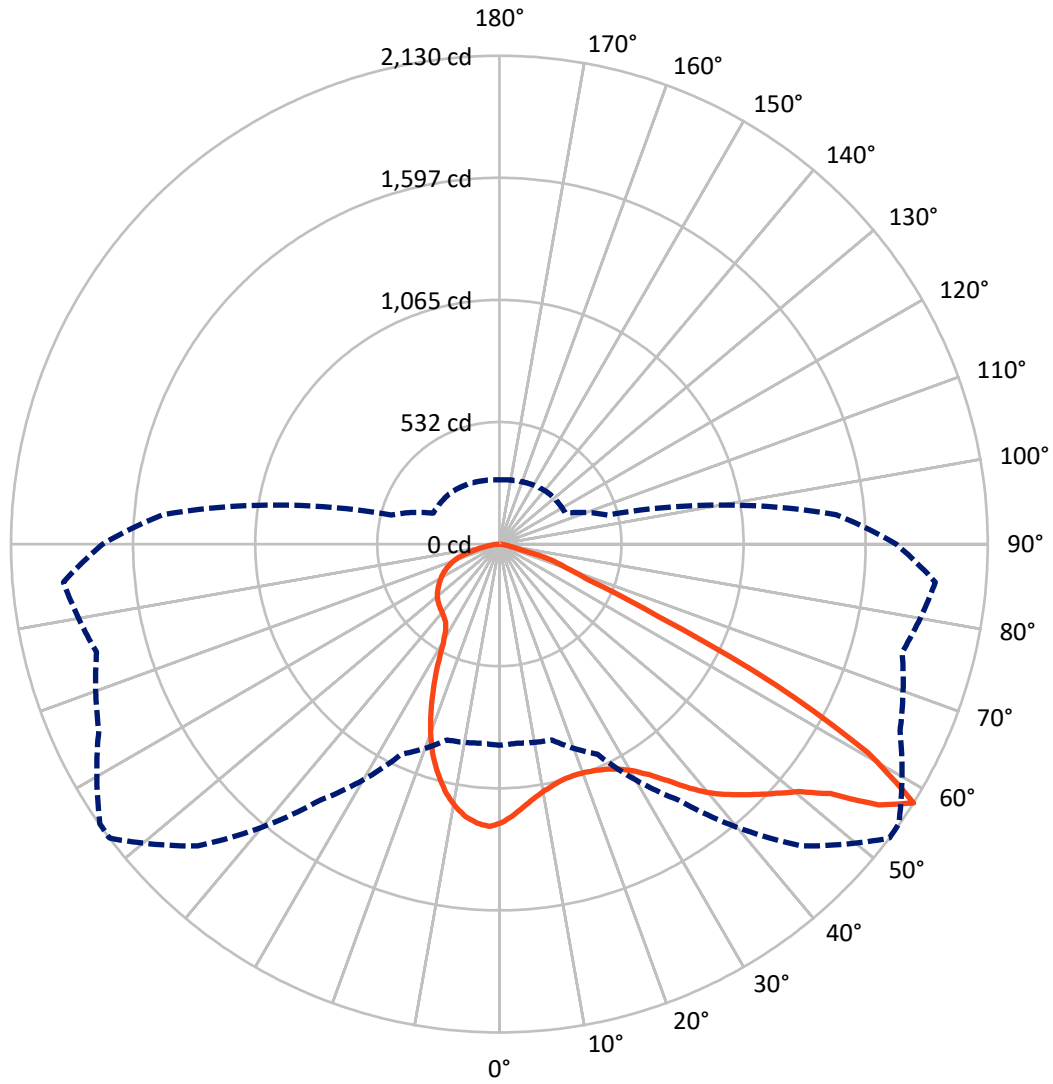
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

REPORT NUMBER: P630110
CATALOG NUMBER: GWS-SA1D-722-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630110

CATALOG NUMBER: GWS-SA1D-722-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1189.4	0.0	1189.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2614.8	0.0	2614.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	3804.2	0.0	3804.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	2.9
10°-20°	288.2	7.6
20°-30°	424.6	11.2
30°-40°	594.4	15.6
40°-50°	781.3	20.5
50°-60°	916.1	24.1
60°-70°	539.7	14.2
70°-80°	134.3	3.5
80°-90°	15.8	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°	3804.2	100.0
0°-180°	3804.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630110

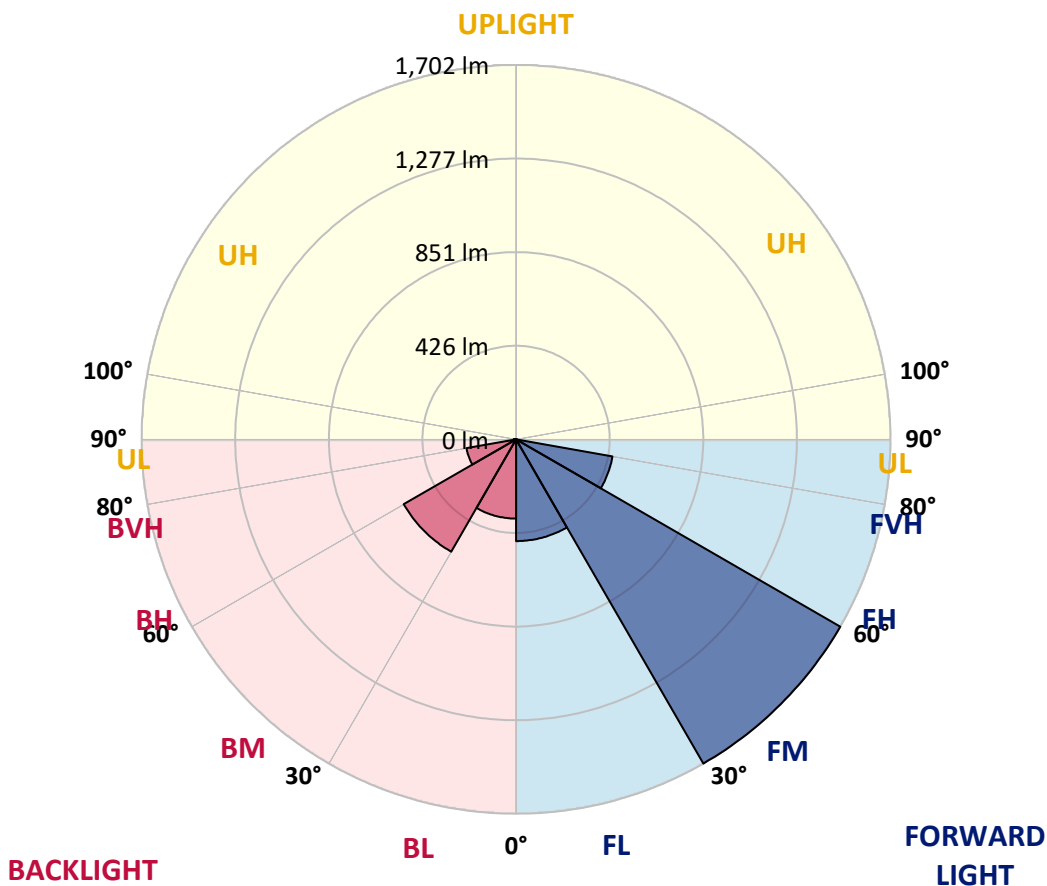
CATALOG NUMBER: GWS-SA1D-722-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.5	12.2			
FM (30°-60°)	1702.0	44.7			
FH (60°-80°)	444.9	11.7			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	360.2	9.5	B1/500		
BM (30°-60°)	589.8	15.5	B1/1000		
BH (60°-80°)	229.0	6.0	B1/500		G1/500
BVH (80°-90°)	10.5	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: P630110

CATALOG NUMBER: GWS-SA1D-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8
2.5°	1145.0	1148.2	1148.8	1158.8	1159.4	1173.8	1183.4	1181.5	1191.4	1203.6	1213.2
5°	1090.2	1090.6	1093.8	1105.6	1112.0	1130.9	1146.9	1146.9	1166.1	1191.1	1212.5
7.5°	1045.1	1044.8	1047.6	1060.8	1071.3	1094.1	1115.8	1118.4	1145.3	1181.8	1216.7
10°	1003.1	1005.4	1008.6	1024.6	1038.0	1066.2	1092.2	1096.3	1130.3	1175.4	1222.5
12.5°	976.2	976.6	981.4	999.3	1016.6	1046.7	1073.9	1079.0	1118.1	1169.3	1226.6
15°	959.0	959.3	964.4	984.3	1004.4	1034.8	1062.7	1068.5	1111.0	1168.4	1234.6
17.5°	951.3	951.0	955.8	975.6	997.7	1029.4	1059.2	1066.2	1114.2	1175.7	1248.7
20°	951.3	951.6	954.2	972.1	994.5	1028.1	1062.7	1071.3	1126.7	1192.4	1270.5
22.5°	964.7	966.0	967.3	979.4	997.1	1030.0	1072.0	1083.5	1153.6	1220.2	1299.0
25°	991.0	991.3	992.6	1002.5	1010.5	1035.5	1087.4	1104.6	1195.6	1260.9	1334.9
27.5°	1026.2	1030.7	1032.0	1038.4	1038.4	1048.9	1111.4	1136.3	1252.2	1319.5	1380.6
30°	1075.5	1077.1	1079.3	1086.4	1078.7	1074.2	1146.6	1178.6	1317.9	1390.2	1435.7
32.5°	1118.7	1122.3	1134.4	1145.9	1132.2	1118.1	1198.5	1236.2	1381.0	1463.9	1494.3
35°	1155.5	1164.2	1187.6	1213.2	1203.6	1189.5	1267.3	1306.7	1432.8	1516.7	1546.2
37.5°	1200.1	1206.8	1238.8	1280.4	1289.1	1282.3	1351.2	1379.4	1467.4	1530.2	1574.4
40°	1245.2	1255.4	1296.8	1354.4	1387.4	1392.2	1428.7	1447.6	1479.3	1503.9	1568.9
42.5°	1291.3	1308.9	1365.6	1432.8	1491.4	1502.3	1494.0	1502.0	1475.4	1467.7	1543.6
45°	1347.7	1368.5	1432.5	1518.3	1595.5	1612.5	1558.0	1550.7	1474.8	1454.0	1527.9
47.5°	1414.3	1435.1	1496.2	1596.1	1694.7	1707.2	1623.7	1610.2	1497.2	1475.1	1549.1
50°	1473.2	1487.6	1542.3	1654.1	1787.3	1794.6	1696.0	1679.7	1552.9	1533.7	1615.0
52.5°	1413.3	1411.7	1469.3	1607.0	1835.3	1924.0	1807.4	1791.8	1660.5	1631.0	1717.2
55°	1199.1	1180.8	1232.4	1367.8	1701.1	2038.9	2007.2	1975.9	1803.9	1729.0	1812.9
57.5°	876.7	871.5	884.0	1011.1	1362.7	1860.9	2129.6	2126.7	1927.8	1818.7	1908.3
60°	685.5	677.8	644.5	648.1	928.9	1453.6	1848.1	1933.0	2004.7	1872.4	1974.9
62.5°	608.7	602.9	585.6	537.9	553.3	974.6	1354.7	1432.5	1751.7	1653.8	1696.3
65°	504.0	502.4	516.8	514.9	463.6	538.2	764.6	843.0	1101.4	1115.2	1101.4
67.5°	366.3	363.4	399.9	472.0	446.3	406.3	426.2	453.4	564.8	507.2	456.6
70°	238.2	234.1	255.2	341.0	399.6	354.1	307.1	302.6	310.6	193.1	208.8
72.5°	159.8	155.0	154.6	187.6	241.4	238.5	237.9	235.7	210.4	152.4	169.1
75°	89.0	85.2	84.2	81.0	86.5	88.1	93.8	97.0	105.0	115.6	128.1
77.5°	15.0	14.7	18.6	23.7	32.7	41.9	51.9	54.8	67.6	80.0	88.1
80°	8.3	8.6	11.2	13.8	18.3	25.0	32.0	33.9	41.6	48.3	54.8
82.5°	4.5	4.5	5.8	7.4	9.9	13.1	17.3	18.9	24.0	28.2	32.7
85°	1.6	1.6	2.2	2.9	4.2	5.4	6.7	7.7	10.6	14.4	16.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.6	1.3	1.3	1.6	2.9	4.2
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: P630110

CATALOG NUMBER: GWS-SA1D-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8	1214.8
2.5°	1221.2	1212.5	1224.4	1229.8	1231.8	1233.0	1224.7	1218.9	1217.0	1210.9	1207.4
5°	1225.7	1219.9	1231.1	1231.1	1223.1	1214.8	1197.8	1186.0	1177.6	1167.7	1166.1
7.5°	1233.4	1229.2	1235.3	1222.8	1202.6	1180.2	1150.7	1127.7	1109.1	1097.0	1097.3
10°	1243.6	1238.5	1233.7	1205.8	1169.0	1127.7	1082.5	1048.9	1018.2	1004.1	996.4
12.5°	1250.3	1243.0	1222.8	1176.7	1122.6	1067.2	1003.5	953.5	909.0	888.8	887.2
15°	1258.6	1245.2	1204.9	1138.9	1063.7	988.1	906.1	836.6	776.4	745.1	743.5
17.5°	1269.5	1247.4	1183.4	1095.7	1001.5	890.1	787.0	699.6	635.6	611.2	615.4
20°	1284.9	1250.0	1159.1	1047.6	924.4	778.7	650.3	569.9	545.3	543.7	540.5
22.5°	1302.2	1251.6	1132.2	993.9	830.9	659.9	537.3	503.0	502.7	510.7	512.6
25°	1321.7	1252.9	1101.8	931.1	729.7	541.4	475.2	464.9	472.9	488.0	489.9
27.5°	1346.7	1255.4	1064.9	862.3	622.1	467.8	440.9	438.3	447.9	462.0	461.4
30°	1383.5	1264.7	1025.9	783.2	511.7	432.9	420.1	420.4	424.2	431.0	431.9
32.5°	1421.0	1279.1	987.8	694.2	448.3	413.0	407.3	406.6	406.6	409.5	410.2
35°	1456.5	1295.5	946.5	601.3	417.5	401.5	397.7	395.7	394.8	394.1	393.2
37.5°	1476.4	1303.5	906.1	509.7	401.2	393.8	390.0	387.4	383.9	381.3	380.7
40°	1467.7	1294.2	859.4	441.2	391.3	386.5	382.0	378.5	373.7	371.4	370.1
42.5°	1438.9	1265.4	808.5	408.9	383.3	378.5	373.0	367.3	364.1	362.1	361.8
45°	1408.5	1230.5	747.0	390.0	375.6	369.8	363.4	357.0	353.5	352.5	352.2
47.5°	1407.5	1213.2	681.7	374.9	366.3	360.5	352.5	346.1	342.3	341.0	339.7
50°	1449.8	1230.8	608.0	361.8	356.7	350.6	341.6	334.6	329.8	328.2	327.9
52.5°	1537.5	1297.1	542.1	348.7	343.9	336.8	329.5	322.4	316.7	313.8	313.5
55°	1632.3	1381.3	501.1	335.2	328.8	322.7	316.0	308.3	301.9	297.5	296.8
57.5°	1730.3	1473.2	488.6	318.3	313.5	309.3	301.3	293.0	285.6	281.4	280.5
60°	1811.0	1552.3	512.0	300.3	297.8	292.3	285.0	277.0	271.8	268.6	268.0
62.5°	1516.1	1263.8	413.4	280.8	280.8	275.0	266.7	261.0	257.4	255.2	254.5
65°	962.2	782.5	282.1	261.3	261.0	253.3	246.2	242.4	240.8	237.3	236.6
67.5°	419.1	357.6	241.1	241.4	240.1	231.8	224.8	221.9	218.7	214.8	214.5
70°	217.4	221.6	215.8	219.3	217.1	207.2	200.4	196.0	189.2	185.4	185.7
72.5°	175.5	179.9	186.3	191.8	187.0	179.0	168.4	163.0	154.3	150.2	150.5
75°	133.8	138.6	144.7	150.5	146.6	136.7	130.0	124.6	114.6	109.8	110.8
77.5°	92.2	94.8	102.1	101.8	100.5	97.7	87.7	81.3	71.1	65.3	66.0
80°	57.3	58.9	62.4	64.0	63.4	59.6	51.5	46.7	40.7	37.1	37.5
82.5°	34.6	35.5	38.7	39.1	38.7	35.9	29.8	26.3	22.4	20.5	20.5
85°	17.6	18.3	20.2	20.2	18.3	15.4	13.8	12.2	9.9	9.0	9.0
87.5°	4.8	4.8	6.1	5.1	4.2	3.8	1.9	1.6	0.6	0.3	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)