

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: P629945

Luminaire Tested: GWS-SA1C-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629945
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-SA1C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4130.2 lumens
Efficiency: N/A
Efficacy: 121.1 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

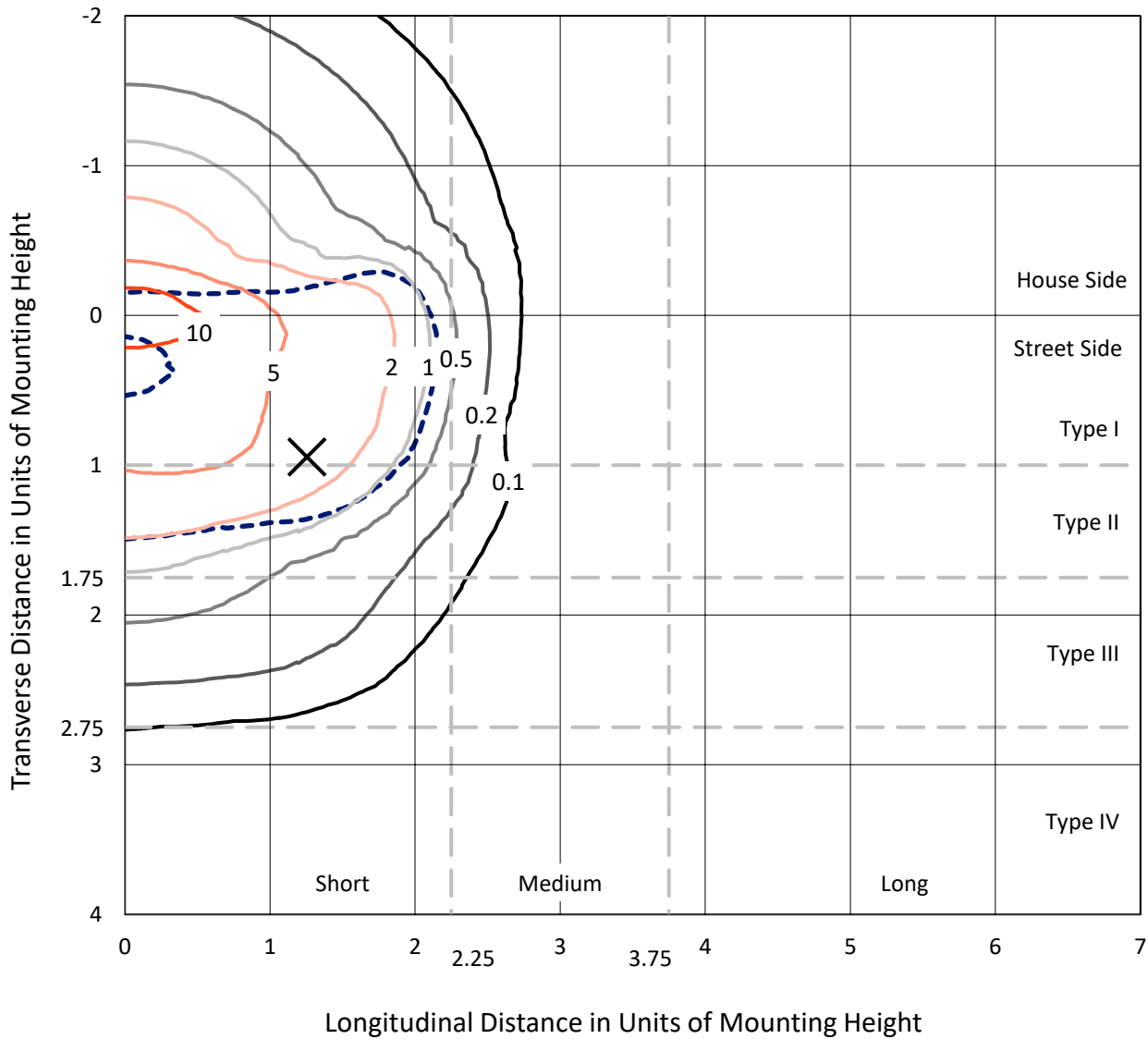
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629945
 CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

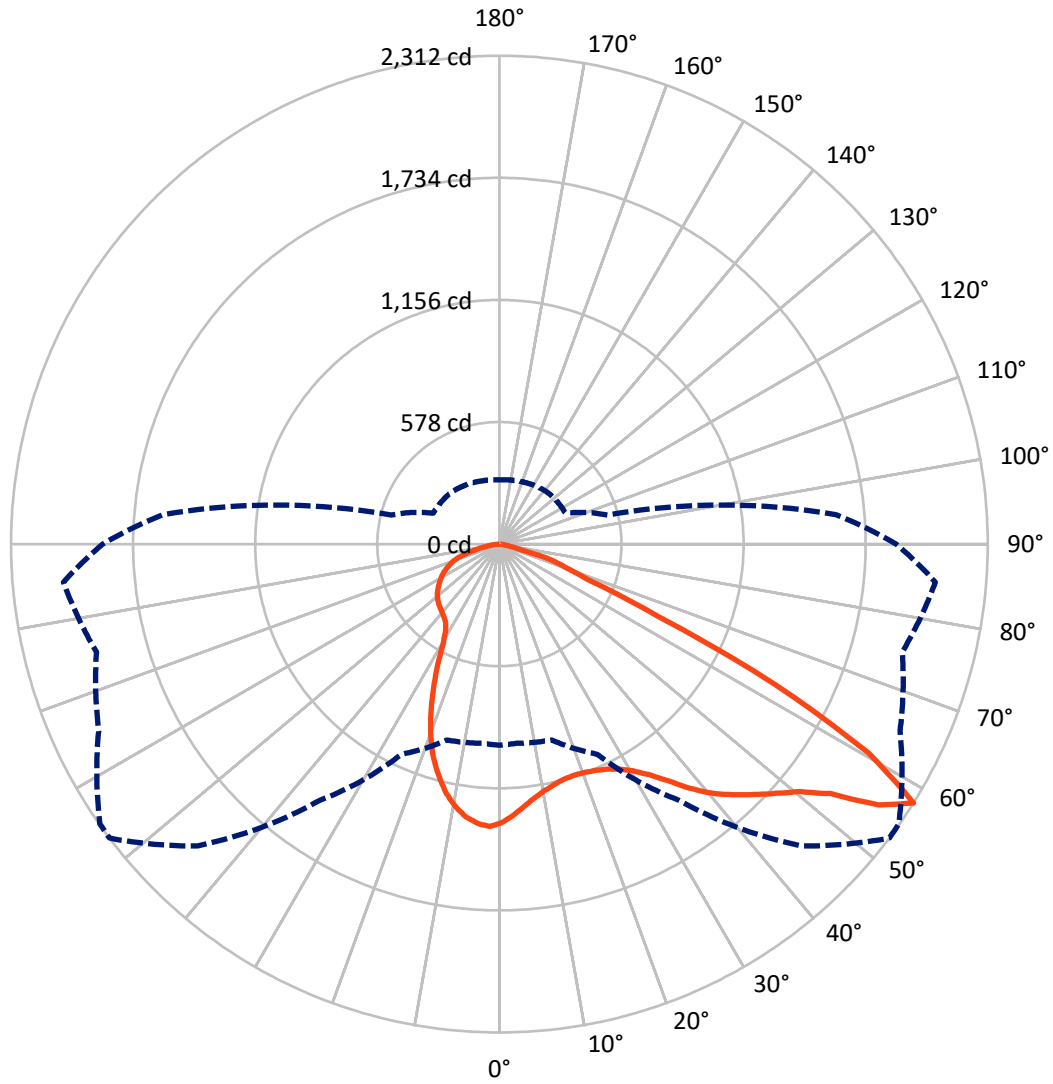
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

REPORT NUMBER: P629945
CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629945

CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.4	0.0	1291.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2838.8	0.0	2838.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	4130.2	0.0	4130.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	2.9
10°-20°	312.9	7.6
20°-30°	461.0	11.2
30°-40°	645.3	15.6
40°-50°	848.3	20.5
50°-60°	994.6	24.1
60°-70°	585.9	14.2
70°-80°	145.8	3.5
80°-90°	17.1	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°	4130.2	100.0
0°-180°	4130.2	100.0

Coefficient of Utilization



REPORT NUMBER: P629945

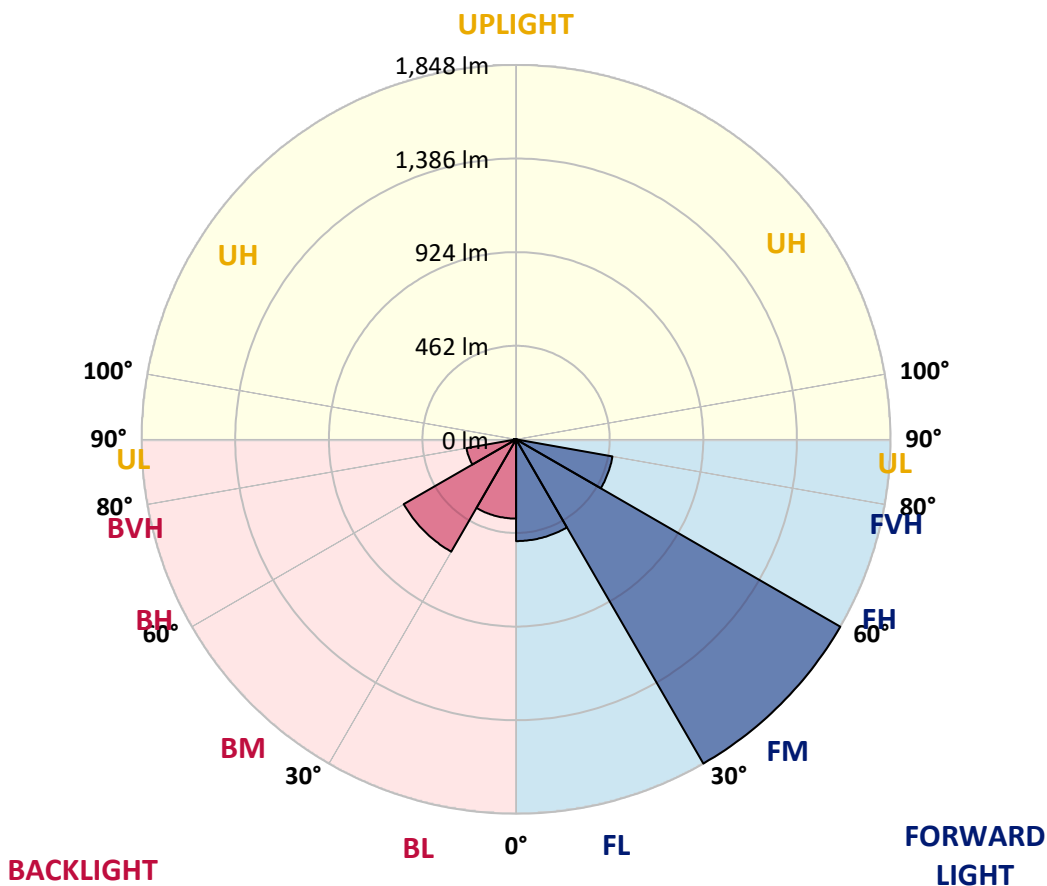
CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.1	12.2			
FM (30°-60°)	1847.9	44.7			
FH (60°-80°)	483.1	11.7			G0/660
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	391.0	9.5	B1/500		
BM (30°-60°)	640.3	15.5	B1/1000		
BH (60°-80°)	248.6	6.0	B1/500		G1/500
BVH (80°-90°)	11.4	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: P629945
 CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9
2.5°	1243.1	1246.6	1247.3	1258.1	1258.7	1274.4	1284.8	1282.7	1293.5	1306.7	1317.1
5°	1183.7	1184.0	1187.5	1200.3	1207.3	1227.8	1245.2	1245.2	1266.0	1293.2	1316.5
7.5°	1134.6	1134.3	1137.4	1151.7	1163.1	1187.8	1211.5	1214.2	1243.5	1283.1	1321.0
10°	1089.1	1091.5	1095.0	1112.4	1127.0	1157.6	1185.7	1190.3	1227.1	1276.1	1327.2
12.5°	1059.9	1060.3	1065.5	1084.9	1103.7	1136.4	1165.9	1171.5	1213.9	1269.5	1331.7
15°	1041.1	1041.5	1047.0	1068.6	1090.5	1123.5	1153.8	1160.0	1206.3	1268.5	1340.4
17.5°	1032.8	1032.4	1037.7	1059.2	1083.2	1117.6	1149.9	1157.6	1209.7	1276.5	1355.7
20°	1032.8	1033.1	1035.9	1055.4	1079.7	1116.2	1153.8	1163.1	1223.3	1294.6	1379.4
22.5°	1047.4	1048.8	1050.2	1063.4	1082.5	1118.3	1163.8	1176.4	1252.5	1324.8	1410.3
25°	1075.9	1076.2	1077.6	1088.4	1097.1	1124.2	1180.5	1199.3	1298.0	1368.9	1449.2
27.5°	1114.1	1119.0	1120.4	1127.3	1127.3	1138.8	1206.6	1233.7	1359.6	1432.6	1499.0
30°	1167.7	1169.4	1171.8	1179.5	1171.1	1166.3	1244.8	1279.6	1430.8	1509.4	1558.7
32.5°	1214.6	1218.4	1231.6	1244.1	1229.2	1213.9	1301.2	1342.2	1499.3	1589.3	1622.4
35°	1254.6	1264.0	1289.3	1317.1	1306.7	1291.4	1375.9	1418.7	1555.6	1646.7	1678.7
37.5°	1302.9	1310.2	1345.0	1390.1	1399.5	1392.2	1467.0	1497.6	1593.2	1661.3	1709.3
40°	1351.9	1363.0	1407.9	1470.4	1506.3	1511.5	1551.1	1571.6	1606.0	1632.8	1703.4
42.5°	1402.0	1421.1	1482.6	1555.6	1619.2	1631.1	1622.0	1630.7	1601.9	1593.5	1675.9
45°	1463.1	1485.7	1555.3	1648.4	1732.2	1750.6	1691.5	1683.5	1601.2	1578.6	1658.9
47.5°	1535.5	1558.0	1624.4	1732.9	1840.0	1853.5	1762.8	1748.2	1625.5	1601.5	1681.8
50°	1599.4	1615.1	1674.5	1795.8	1940.4	1948.4	1841.4	1823.6	1686.0	1665.1	1753.4
52.5°	1534.4	1532.7	1595.2	1744.7	1992.6	2088.9	1962.3	1945.3	1802.8	1770.8	1864.3
55°	1301.9	1282.0	1338.0	1485.0	1846.9	2213.7	2179.3	2145.2	1958.5	1877.2	1968.2
57.5°	951.8	946.2	959.8	1097.8	1479.5	2020.4	2312.0	2308.9	2093.0	1974.5	2071.8
60°	744.3	735.9	699.8	703.6	1008.5	1578.2	2006.5	2098.6	2176.5	2032.9	2144.1
62.5°	660.8	654.6	635.8	584.0	600.7	1058.2	1470.8	1555.3	1901.8	1795.5	1841.7
65°	547.2	545.4	561.1	559.0	503.4	584.4	830.1	915.3	1195.8	1210.8	1195.8
67.5°	397.7	394.6	434.2	512.4	484.6	441.1	462.7	492.2	613.2	550.6	495.7
70°	258.6	254.1	277.1	370.2	433.8	384.5	333.4	328.5	337.2	209.6	226.7
72.5°	173.5	168.2	167.9	203.7	262.1	259.0	258.3	255.9	228.4	165.5	183.5
75°	96.6	92.5	91.4	87.9	93.9	95.6	101.9	105.3	114.0	125.5	139.0
77.5°	16.3	16.0	20.2	25.7	35.5	45.5	56.3	59.4	73.3	86.9	95.6
80°	9.0	9.4	12.2	14.9	19.8	27.1	34.8	36.8	45.2	52.5	59.4
82.5°	4.9	4.9	6.3	8.0	10.8	14.3	18.8	20.5	26.1	30.6	35.5
85°	1.7	1.7	2.4	3.1	4.5	5.9	7.3	8.3	11.5	15.6	17.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.4	1.7	3.1	4.5
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: P629945
 CATALOG NUMBER: GWS-SA1C-760-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9	1318.9
2.5°	1325.8	1316.5	1329.3	1335.2	1337.3	1338.7	1329.7	1323.4	1321.3	1314.7	1310.9
5°	1330.7	1324.4	1336.6	1336.6	1327.9	1318.9	1300.5	1287.6	1278.6	1267.8	1266.0
7.5°	1339.0	1334.5	1341.1	1327.6	1305.7	1281.3	1249.4	1224.3	1204.2	1191.0	1191.3
10°	1350.2	1344.6	1339.4	1309.2	1269.2	1224.3	1175.3	1138.8	1105.4	1090.1	1081.8
12.5°	1357.5	1349.5	1327.6	1277.5	1218.8	1158.6	1089.5	1035.2	986.9	965.0	963.3
15°	1366.5	1351.9	1308.1	1236.5	1154.8	1072.8	983.8	908.3	843.0	808.9	807.2
17.5°	1378.3	1354.3	1284.8	1189.6	1087.4	966.4	854.5	759.6	690.0	663.6	668.1
20°	1395.0	1357.1	1258.4	1137.4	1003.6	845.4	706.0	618.8	592.0	590.3	586.8
22.5°	1413.8	1358.9	1229.2	1079.0	902.1	716.5	583.3	546.1	545.8	554.5	556.5
25°	1435.0	1360.3	1196.2	1010.9	792.2	587.8	515.9	504.7	513.4	529.8	531.9
27.5°	1462.1	1363.0	1156.2	936.2	675.4	507.9	478.7	475.9	486.3	501.6	500.9
30°	1502.1	1373.1	1113.8	850.3	555.5	470.0	456.1	456.4	460.6	467.9	468.9
32.5°	1542.8	1388.8	1072.4	753.6	486.7	448.4	442.2	441.5	441.5	444.6	445.3
35°	1581.3	1406.5	1027.6	652.8	453.3	435.9	431.7	429.7	428.6	427.9	426.9
37.5°	1602.9	1415.2	983.8	553.4	435.6	427.6	423.4	420.6	416.8	414.0	413.3
40°	1593.5	1405.1	933.0	479.0	424.8	419.6	414.7	410.9	405.7	403.2	401.9
42.5°	1562.2	1373.8	877.7	443.9	416.1	410.9	405.0	398.7	395.2	393.2	392.8
45°	1529.2	1335.9	811.0	423.4	407.8	401.5	394.6	387.6	383.8	382.7	382.4
47.5°	1528.2	1317.1	740.1	407.1	397.7	391.4	382.7	375.8	371.6	370.2	368.8
50°	1574.0	1336.3	660.1	392.8	387.3	380.6	370.9	363.3	358.1	356.3	356.0
52.5°	1669.3	1408.2	588.5	378.6	373.3	365.7	357.7	350.1	343.8	340.7	340.3
55°	1772.2	1499.6	544.0	364.0	357.0	350.4	343.1	334.8	327.8	322.9	322.2
57.5°	1878.6	1599.4	530.5	345.5	340.3	335.8	327.1	318.1	310.1	305.6	304.5
60°	1966.2	1685.3	555.9	326.1	323.3	317.4	309.4	300.7	295.1	291.7	291.0
62.5°	1646.0	1372.1	448.8	304.9	304.9	298.6	289.6	283.3	279.5	277.1	276.4
65°	1044.6	849.6	306.3	283.7	283.3	275.0	267.3	263.2	261.4	257.6	256.9
67.5°	455.0	388.3	261.8	262.1	260.7	251.7	244.0	240.9	237.4	233.3	232.9
70°	236.0	240.6	234.3	238.1	235.7	224.9	217.6	212.7	205.4	201.3	201.6
72.5°	190.5	195.4	202.3	208.2	203.0	194.3	182.9	176.9	167.6	163.0	163.4
75°	145.3	150.5	157.1	163.4	159.2	148.4	141.1	135.2	124.4	119.2	120.3
77.5°	100.1	102.9	110.9	110.5	109.2	106.0	95.2	88.3	77.2	70.9	71.6
80°	62.2	64.0	67.8	69.5	68.8	64.7	56.0	50.8	44.1	40.3	40.7
82.5°	37.5	38.6	42.1	42.4	42.1	38.9	32.3	28.5	24.3	22.2	22.2
85°	19.1	19.8	21.9	21.9	19.8	16.7	14.9	13.2	10.8	9.7	9.7
87.5°	5.2	5.2	6.6	5.6	4.5	4.2	2.1	1.7	0.7	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)