

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: P629837

Luminaire Tested: GWS-SA1C-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629837
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4093.8 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

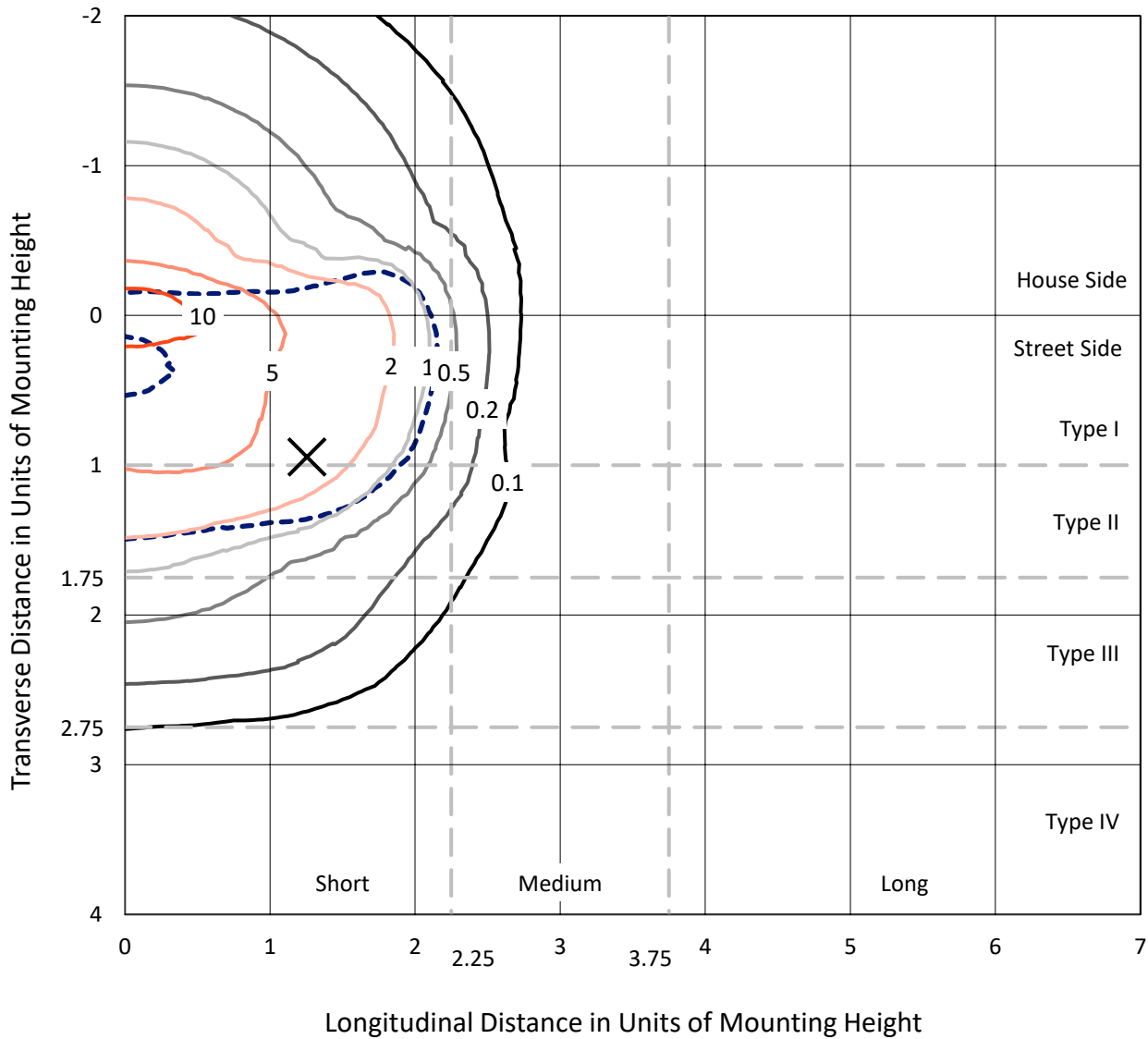
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

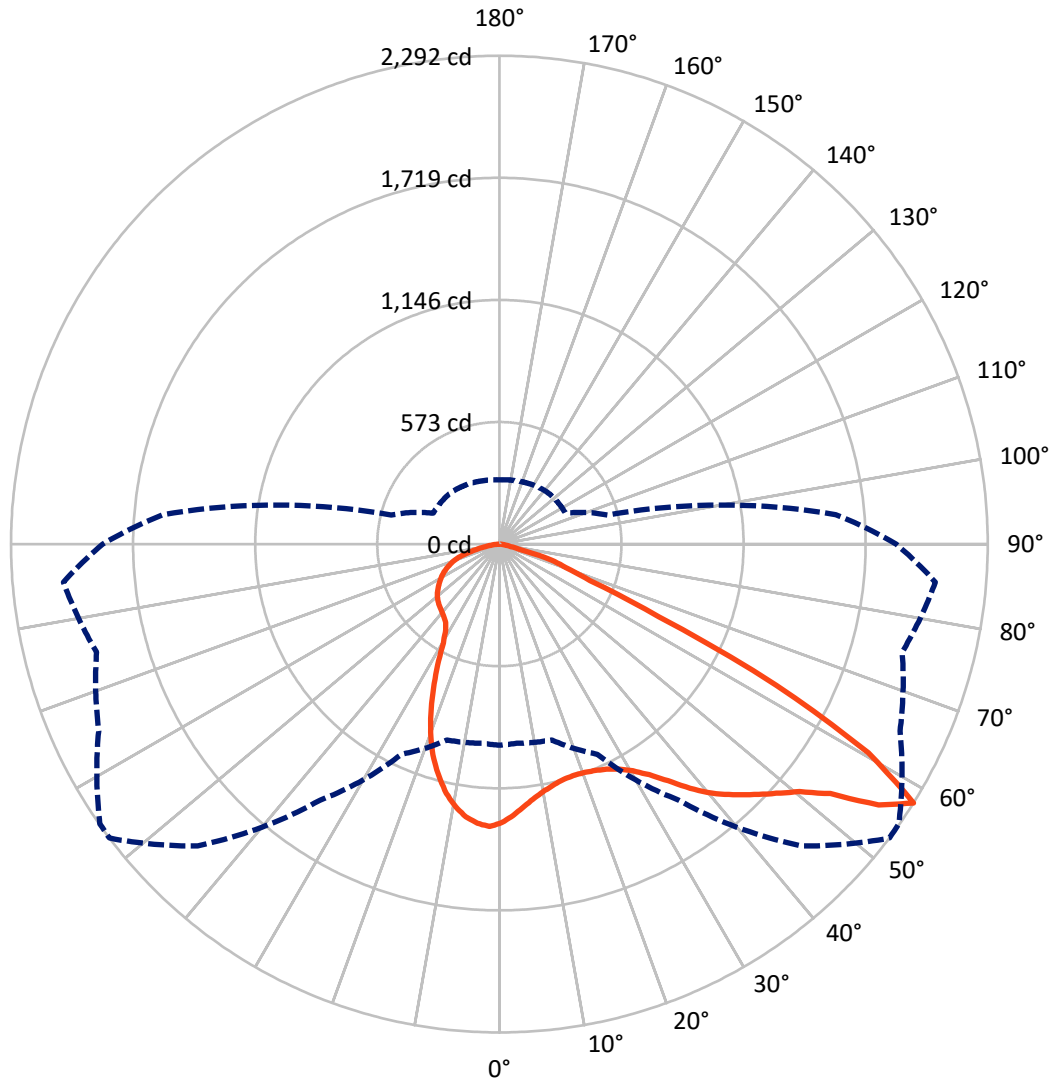
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1280.0	0.0	1280.0
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2813.8	0.0	2813.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	4093.8	0.0	4093.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	2.9
10°-20°	310.1	7.6
20°-30°	456.9	11.2
30°-40°	639.6	15.6
40°-50°	840.8	20.5
50°-60°	985.9	24.1
60°-70°	580.8	14.2
70°-80°	144.5	3.5
80°-90°	16.9	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°	4093.8	100.0
0°-180°	4093.8	100.0

Coefficient of Utilization



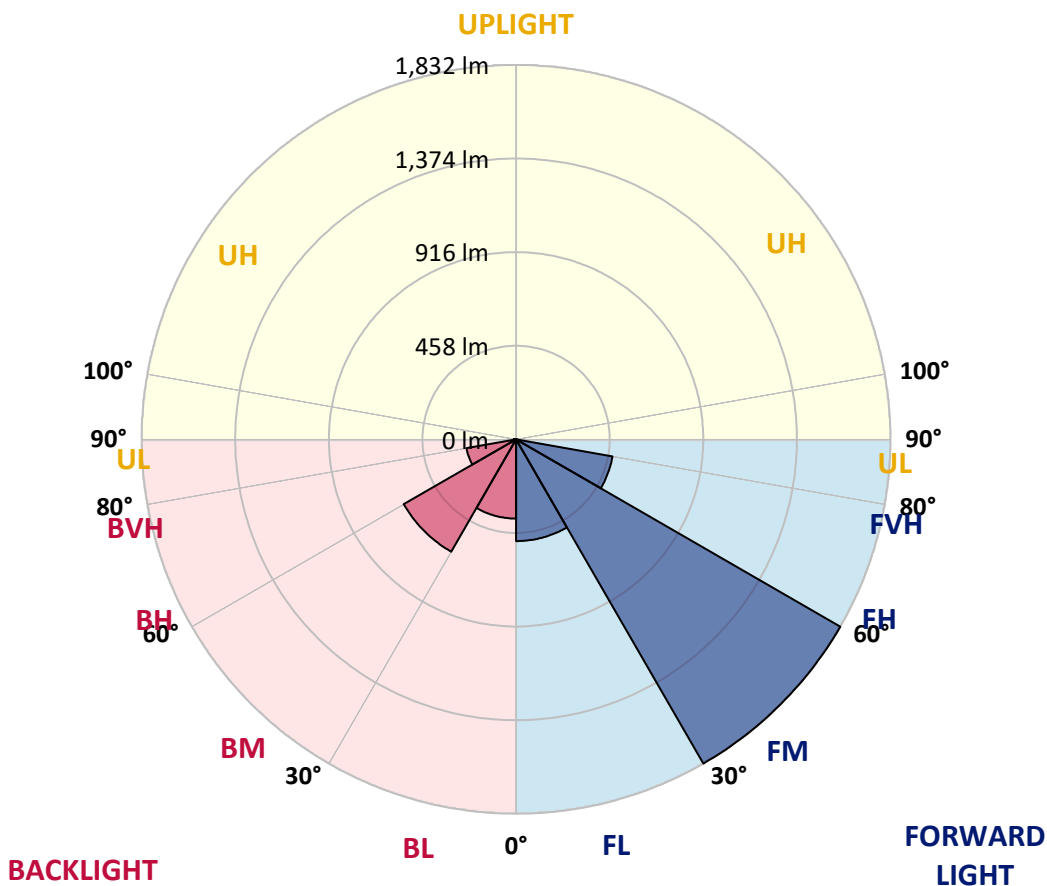
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.7	12.2			
FM (30°-60°)	1831.6	44.7			
FH (60°-80°)	478.8	11.7			G0/660
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	387.6	9.5	B1/500		
BM (30°-60°)	634.7	15.5	B1/1000		
BH (60°-80°)	246.4	6.0	B1/500		G1/500
BVH (80°-90°)	11.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3
2.5°	1232.1	1235.6	1236.3	1247.0	1247.7	1263.2	1273.5	1271.4	1282.1	1295.2	1305.5
5°	1173.2	1173.6	1177.0	1189.8	1196.7	1217.0	1234.2	1234.2	1254.9	1281.8	1304.8
7.5°	1124.6	1124.3	1127.4	1141.5	1152.9	1177.4	1200.8	1203.5	1232.5	1271.8	1309.3
10°	1079.5	1081.9	1085.4	1102.6	1117.1	1147.4	1175.3	1179.8	1216.3	1264.9	1315.5
12.5°	1050.6	1050.9	1056.1	1075.4	1094.0	1126.4	1155.7	1161.2	1203.2	1258.3	1320.0
15°	1032.0	1032.3	1037.8	1059.2	1080.9	1113.6	1143.6	1149.8	1195.6	1257.3	1328.6
17.5°	1023.7	1023.3	1028.5	1049.9	1073.6	1107.8	1139.8	1147.4	1199.1	1265.2	1343.8
20°	1023.7	1024.0	1026.8	1046.1	1070.2	1106.4	1143.6	1152.9	1212.5	1283.1	1367.2
22.5°	1038.2	1039.5	1040.9	1054.0	1073.0	1108.4	1153.6	1166.0	1241.4	1313.1	1397.9
25°	1066.4	1066.8	1068.1	1078.8	1087.4	1114.3	1170.1	1188.7	1286.6	1356.9	1436.5
27.5°	1104.3	1109.1	1110.5	1117.4	1117.4	1128.8	1196.0	1222.8	1347.6	1419.9	1485.7
30°	1157.4	1159.1	1161.5	1169.1	1160.8	1156.0	1233.9	1268.3	1418.2	1496.1	1545.0
32.5°	1203.9	1207.7	1220.8	1233.2	1218.4	1203.2	1289.7	1330.3	1486.1	1575.3	1608.1
35°	1243.5	1252.8	1278.0	1305.5	1295.2	1280.0	1363.8	1406.1	1541.9	1632.2	1663.9
37.5°	1291.4	1298.6	1333.1	1377.9	1387.2	1380.0	1454.0	1484.4	1579.1	1646.7	1694.2
40°	1340.0	1351.0	1395.5	1457.5	1493.0	1498.1	1537.4	1557.8	1591.9	1618.4	1688.3
42.5°	1389.6	1408.6	1469.5	1541.9	1605.0	1616.7	1607.7	1616.3	1587.7	1579.5	1661.1
45°	1450.3	1472.6	1541.6	1633.9	1716.9	1735.2	1676.6	1668.7	1587.0	1564.6	1644.2
47.5°	1521.9	1544.3	1610.1	1717.6	1823.8	1837.2	1747.3	1732.8	1611.2	1587.4	1667.0
50°	1585.3	1600.8	1659.7	1780.0	1923.3	1931.3	1825.1	1807.6	1671.1	1650.4	1738.0
52.5°	1520.9	1519.2	1581.2	1729.3	1975.0	2070.5	1945.0	1928.2	1786.9	1755.2	1847.9
55°	1290.4	1270.7	1326.2	1472.0	1830.6	2194.2	2160.0	2126.3	1941.3	1860.6	1950.9
57.5°	943.4	937.9	951.3	1088.1	1466.4	2002.6	2291.7	2288.6	2074.6	1957.1	2053.6
60°	737.7	729.4	693.6	697.4	999.6	1564.3	1988.8	2080.1	2157.3	2015.0	2125.2
62.5°	655.0	648.8	630.2	578.9	595.4	1048.8	1457.8	1541.6	1885.1	1779.7	1825.5
65°	542.3	540.6	556.1	554.1	498.9	579.2	822.8	907.2	1185.3	1200.1	1185.3
67.5°	394.2	391.1	430.4	507.9	480.3	437.2	458.6	487.9	607.8	545.8	491.3
70°	256.4	251.9	274.6	367.0	430.0	381.1	330.4	325.6	334.2	207.8	224.7
72.5°	171.9	166.8	166.4	201.9	259.8	256.7	256.0	253.6	226.4	164.0	181.9
75°	95.8	91.7	90.6	87.2	93.0	94.8	101.0	104.4	113.0	124.4	137.8
77.5°	16.2	15.8	20.0	25.5	35.1	45.1	55.8	58.9	72.7	86.1	94.8
80°	9.0	9.3	12.1	14.8	19.6	26.9	34.5	36.5	44.8	52.0	58.9
82.5°	4.8	4.8	6.2	7.9	10.7	14.1	18.6	20.3	25.8	30.3	35.1
85°	1.7	1.7	2.4	3.1	4.5	5.9	7.2	8.3	11.4	15.5	17.6
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3	1307.3
2.5°	1314.2	1304.8	1317.6	1323.5	1325.5	1326.9	1317.9	1311.7	1309.7	1303.1	1299.3
5°	1319.0	1312.8	1324.8	1324.8	1316.2	1307.3	1289.0	1276.3	1267.3	1256.6	1254.9
7.5°	1327.2	1322.8	1329.3	1315.9	1294.2	1270.0	1238.3	1213.5	1193.6	1180.5	1180.8
10°	1338.3	1332.8	1327.6	1297.6	1258.0	1213.5	1165.0	1128.8	1095.7	1080.5	1072.3
12.5°	1345.5	1337.6	1315.9	1266.3	1208.0	1148.4	1079.9	1026.1	978.2	956.5	954.8
15°	1354.5	1340.0	1296.6	1225.6	1144.6	1063.3	975.1	900.3	835.6	801.8	800.1
17.5°	1366.2	1342.4	1273.5	1179.1	1077.8	957.9	846.9	752.9	684.0	657.8	662.2
20°	1382.7	1345.2	1247.3	1127.4	994.7	838.0	699.8	613.3	586.8	585.1	581.6
22.5°	1401.3	1346.9	1218.4	1069.5	894.1	710.1	578.2	541.3	541.0	549.6	551.6
25°	1422.3	1348.3	1185.6	1002.0	785.3	582.7	511.3	500.3	508.9	525.1	527.2
27.5°	1449.2	1351.0	1146.0	927.9	669.5	503.4	474.5	471.7	482.0	497.2	496.5
30°	1488.8	1361.0	1104.0	842.8	550.6	465.8	452.1	452.4	456.5	463.8	464.8
32.5°	1529.2	1376.5	1063.0	747.0	482.4	444.5	438.3	437.6	437.6	440.7	441.4
35°	1567.4	1394.1	1018.5	647.1	449.3	432.1	427.9	425.9	424.8	424.2	423.1
37.5°	1588.8	1402.7	975.1	548.5	431.7	423.8	419.7	416.9	413.1	410.4	409.7
40°	1579.5	1392.7	924.8	474.8	421.1	415.9	411.1	407.3	402.1	399.7	398.3
42.5°	1548.5	1361.7	870.0	440.0	412.4	407.3	401.4	395.2	391.8	389.7	389.4
45°	1515.7	1324.1	803.9	419.7	404.2	398.0	391.1	384.2	380.4	379.4	379.0
47.5°	1514.7	1305.5	733.6	403.5	394.2	388.0	379.4	372.5	368.3	367.0	365.6
50°	1560.2	1324.5	654.3	389.4	383.8	377.3	367.6	360.1	354.9	353.2	352.8
52.5°	1654.6	1395.8	583.3	375.2	370.1	362.5	354.6	347.0	340.8	337.7	337.3
55°	1756.6	1486.4	539.2	360.8	353.9	347.3	340.1	331.8	324.9	320.1	319.4
57.5°	1862.0	1585.3	525.8	342.5	337.3	332.8	324.2	315.3	307.3	302.9	301.8
60°	1948.8	1670.4	551.0	323.2	320.4	314.6	306.7	298.0	292.5	289.1	288.4
62.5°	1631.5	1360.0	444.8	302.2	302.2	296.0	287.0	280.8	277.0	274.6	273.9
65°	1035.4	842.1	303.6	281.2	280.8	272.5	265.0	260.8	259.1	255.3	254.6
67.5°	451.0	384.9	259.5	259.8	258.4	249.5	241.9	238.8	235.3	231.2	230.9
70°	234.0	238.4	232.2	236.0	233.6	222.9	215.7	210.9	203.6	199.5	199.8
72.5°	188.8	193.6	200.5	206.4	201.2	192.6	181.2	175.4	166.1	161.6	161.9
75°	144.0	149.2	155.7	161.9	157.8	147.1	139.9	134.0	123.4	118.2	119.2
77.5°	99.2	102.0	109.9	109.6	108.2	105.1	94.4	87.5	76.5	70.3	71.0
80°	61.7	63.4	67.2	68.9	68.2	64.1	55.5	50.3	43.8	40.0	40.3
82.5°	37.2	38.2	41.7	42.0	41.7	38.6	32.0	28.3	24.1	22.1	22.1
85°	19.0	19.6	21.7	21.7	19.6	16.5	14.8	13.1	10.7	9.6	9.6
87.5°	5.2	5.2	6.5	5.5	4.5	4.1	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)