

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: P631133

Luminaire Tested: GWS-SA1F-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6308.7 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

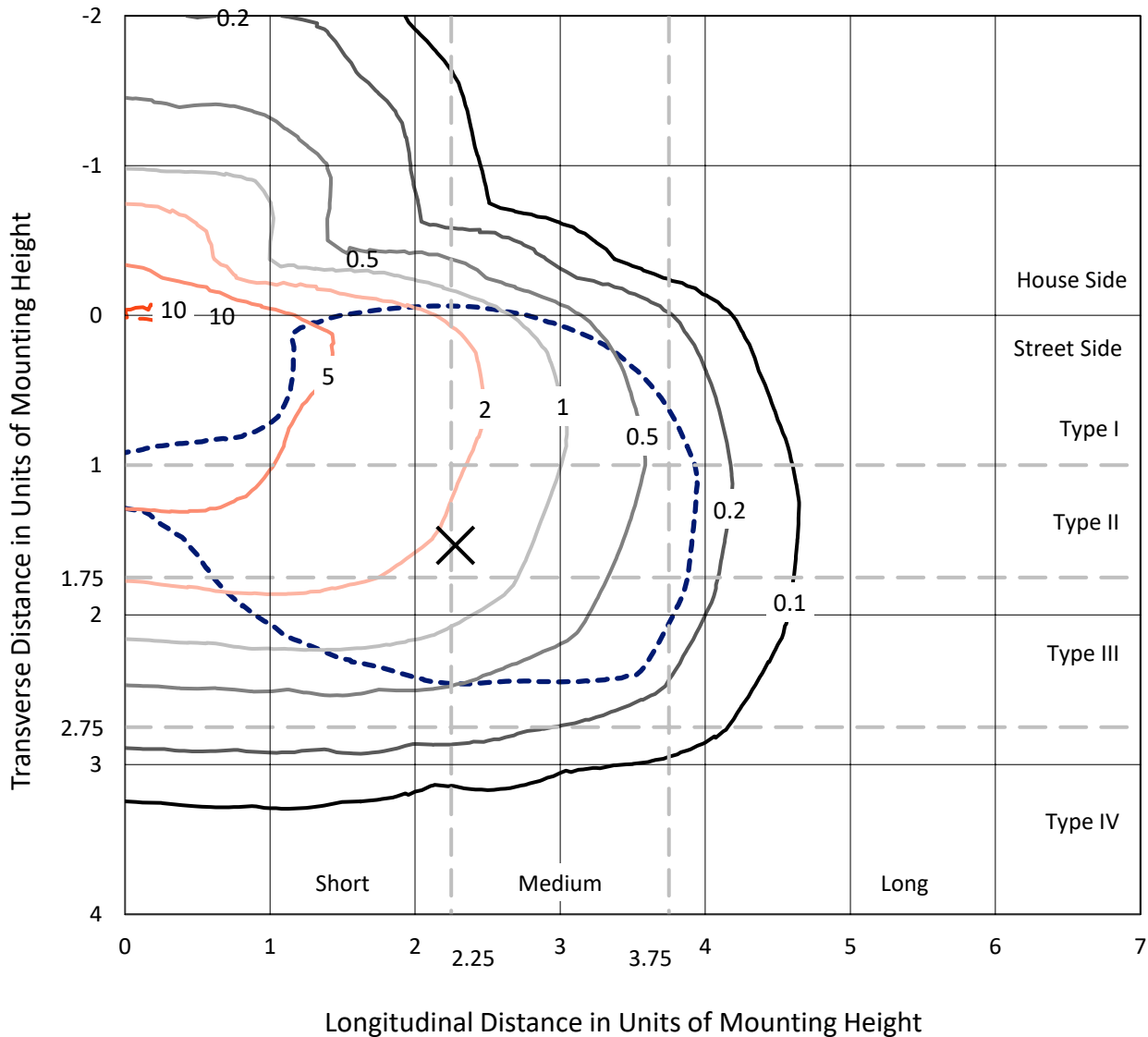
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

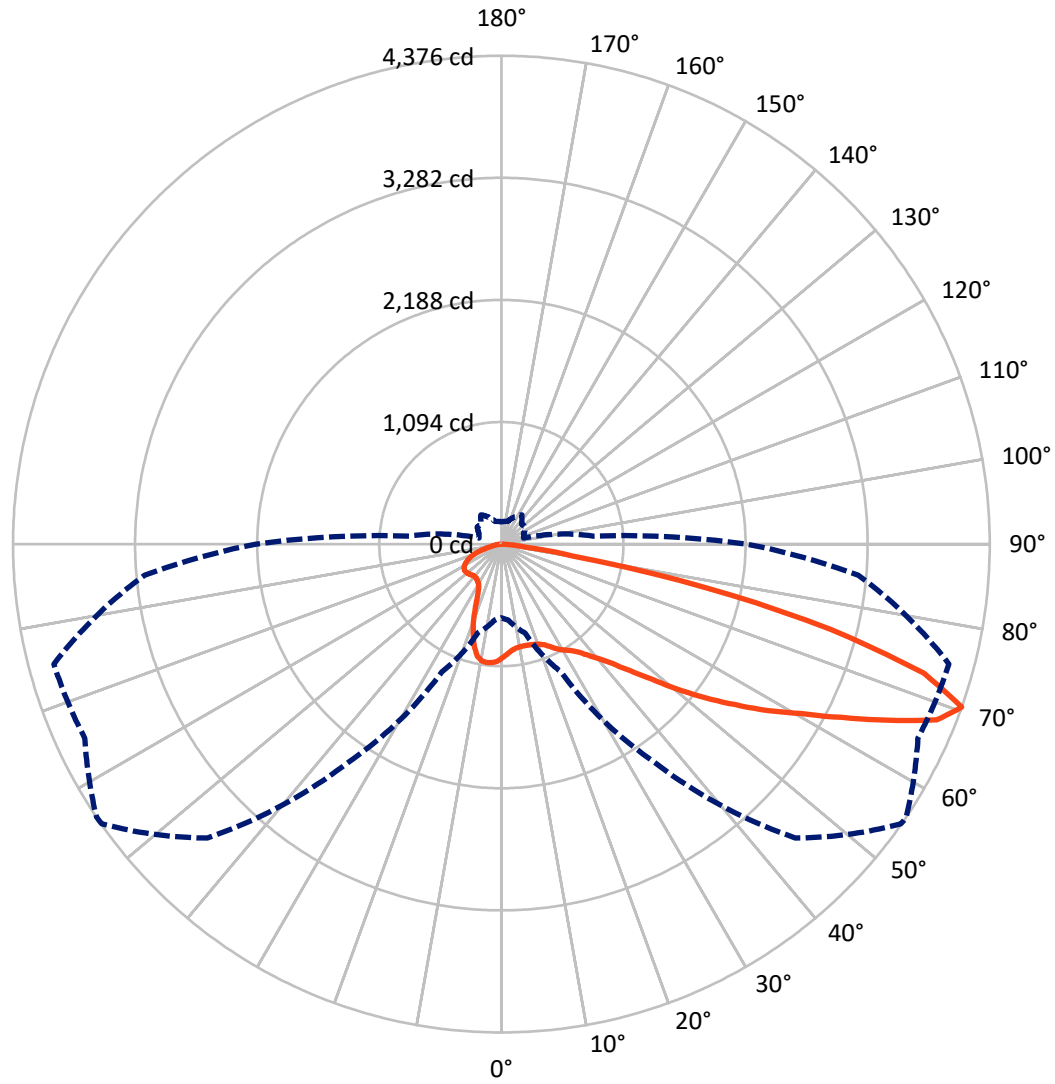
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1212.9	0.0	1212.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5095.8	0.0	5095.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	6308.7	0.0	6308.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	1.5
10°-20°	255.3	4.0
20°-30°	422.1	6.7
30°-40°	631.1	10.0
40°-50°	939.2	14.9
50°-60°	1335.3	21.2
60°-70°	1653.8	26.2
70°-80°	913.2	14.5
80°-90°	64.3	1.0
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°	6308.7	100.0
0°-180°	6308.7	100.0

Coefficient of Utilization



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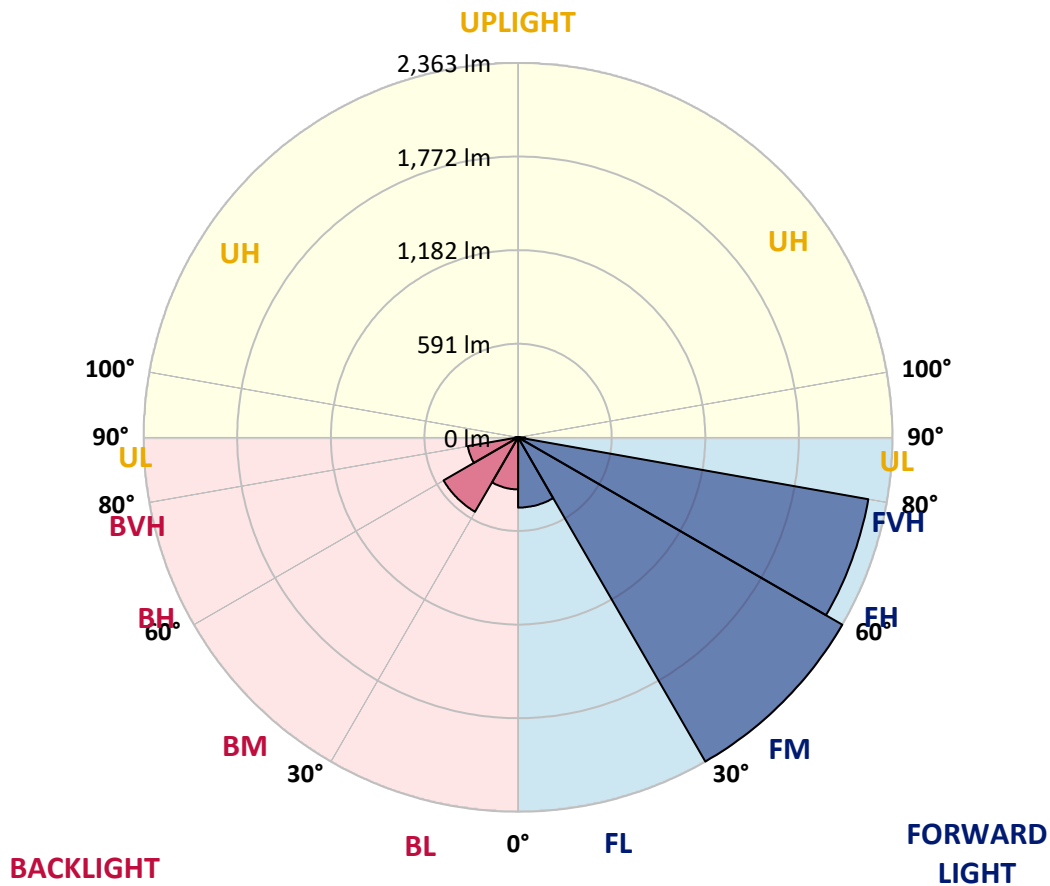
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.4	7.0			
FM (30°-60°)	2363.1	37.5			
FH (60°-80°)	2244.6	35.6			G2/5000
FVH (80°-90°)	44.7	0.7			G1/100
BL (0°-30°)	328.3	5.2	B1/500		
BM (30°-60°)	542.5	8.6	B1/1000		
BH (60°-80°)	322.4	5.1	B1/500		G1/500
BVH (80°-90°)	19.6	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3
2.5°	952.9	947.6	953.8	956.9	964.9	976.5	986.7	987.2	992.5	1005.4	1017.9
5°	909.8	907.1	908.9	918.2	926.7	941.4	956.9	958.3	973.4	998.7	1023.7
7.5°	876.4	872.8	879.5	891.5	902.2	918.7	939.1	940.9	962.3	1000.5	1038.8
10°	828.4	825.7	838.1	854.2	877.3	904.4	931.6	933.8	961.8	1012.1	1065.5
12.5°	807.4	807.4	812.8	827.9	853.3	889.3	930.2	933.8	968.9	1029.9	1099.7
15°	839.9	842.2	837.7	836.8	847.0	881.3	932.0	937.4	982.3	1048.1	1133.5
17.5°	905.3	907.5	896.0	877.7	867.5	888.9	938.7	944.5	996.5	1068.1	1170.0
20°	997.0	999.6	974.3	946.3	911.1	910.7	951.6	956.9	1014.8	1089.9	1208.7
22.5°	1104.2	1106.0	1073.9	1029.4	975.6	951.1	973.8	979.2	1038.3	1120.2	1250.5
25°	1228.3	1233.6	1194.9	1130.4	1057.5	1006.8	1010.8	1017.0	1080.6	1160.7	1299.9
27.5°	1360.9	1367.5	1323.1	1251.9	1151.3	1068.1	1058.4	1063.7	1125.5	1185.6	1326.2
30°	1496.6	1501.5	1457.0	1375.6	1252.3	1137.5	1098.4	1101.5	1145.1	1197.6	1352.9
32.5°	1647.4	1643.4	1600.7	1506.8	1368.9	1220.7	1135.8	1134.9	1166.9	1221.6	1391.1
35°	1788.8	1794.6	1749.3	1645.6	1497.0	1323.5	1191.8	1188.3	1213.2	1260.8	1445.0
37.5°	1960.1	1958.3	1904.1	1792.0	1625.6	1421.8	1270.6	1264.3	1273.2	1321.7	1520.1
40°	2082.5	2094.9	2059.8	1955.2	1775.9	1542.8	1362.7	1348.9	1351.1	1396.9	1620.7
42.5°	2182.6	2194.1	2197.7	2131.0	1948.1	1692.3	1477.4	1463.6	1465.0	1529.9	1744.4
45°	2259.5	2275.1	2325.4	2305.8	2142.1	1864.9	1632.7	1618.5	1619.3	1691.4	1893.8
47.5°	2291.1	2308.0	2409.9	2456.6	2348.1	2071.3	1825.8	1804.9	1808.0	1887.6	2064.7
50°	2280.9	2303.6	2441.5	2572.7	2520.7	2281.3	2056.7	2042.0	2030.0	2145.6	2250.2
52.5°	2192.8	2217.7	2438.4	2646.6	2661.7	2479.7	2295.1	2286.7	2284.0	2419.7	2457.5
55°	1933.4	1975.2	2331.2	2666.1	2772.0	2666.6	2553.6	2539.4	2553.1	2713.3	2667.0
57.5°	1789.7	1820.9	2121.2	2644.3	2862.3	2844.5	2811.6	2813.0	2828.5	3032.3	2921.1
60°	1707.9	1744.4	2004.6	2584.7	2949.1	3060.7	3081.7	3081.7	3109.7	3376.2	3179.1
62.5°	1599.3	1636.3	1895.6	2470.0	3029.2	3315.2	3421.1	3419.8	3430.9	3745.0	3431.3
65°	1379.1	1413.4	1676.7	2288.9	3068.3	3595.5	3806.8	3802.8	3780.6	4073.3	3598.2
67.5°	1001.4	1033.9	1284.4	1944.6	2927.3	3821.5	4204.1	4205.9	4072.8	4280.2	3607.1
70°	660.2	682.4	825.7	1263.0	2380.5	3724.1	4370.5	4375.8	4117.8	4151.1	3210.2
72.5°	412.0	427.5	515.6	753.2	1406.7	2947.7	3943.4	3958.1	3704.5	3648.0	2637.7
75°	273.6	284.3	343.0	439.1	650.9	1595.3	2997.6	3044.7	2969.1	2859.7	1837.8
77.5°	164.6	173.5	218.4	278.9	288.3	623.3	1749.7	1871.6	1882.3	1493.0	769.6
80°	75.2	85.4	120.6	159.3	153.5	217.1	617.0	645.5	761.6	474.2	242.9
82.5°	44.5	48.9	80.1	79.2	65.4	105.4	222.0	227.8	193.5	173.5	103.7
85°	17.8	20.9	33.8	29.8	24.0	34.3	83.6	87.6	84.1	75.6	38.3
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	7.6	8.0	11.6	20.9	11.6
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°	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3	1018.3
2.5°	1025.9	1023.2	1036.6	1046.8	1051.2	1055.7	1051.7	1050.4	1050.4	1041.5	1037.0
5°	1037.0	1038.3	1056.6	1065.0	1065.0	1061.5	1050.8	1043.2	1040.6	1029.0	1025.9
7.5°	1057.9	1063.7	1080.6	1080.2	1067.7	1048.1	1021.4	1001.0	982.3	974.3	969.4
10°	1092.2	1099.7	1111.3	1092.6	1057.9	1006.3	949.8	905.3	878.6	857.3	857.3
12.5°	1131.3	1138.4	1136.2	1093.1	1021.4	924.9	843.5	792.3	755.0	735.4	735.4
15°	1170.5	1176.3	1152.2	1072.6	945.4	816.8	727.8	666.4	633.9	615.7	615.7
17.5°	1210.1	1209.6	1158.9	1025.4	846.2	697.1	609.9	562.3	551.2	548.1	547.6
20°	1248.3	1238.1	1150.4	946.7	730.9	576.6	521.4	524.5	541.0	548.1	549.0
22.5°	1291.5	1266.1	1125.5	846.2	600.1	492.9	496.5	522.3	546.3	557.0	558.3
25°	1335.5	1290.1	1083.7	728.3	490.7	462.2	489.8	518.7	545.9	559.7	561.0
27.5°	1353.3	1290.1	1012.5	591.7	432.4	449.3	479.6	507.6	536.1	552.1	555.2
30°	1368.0	1279.0	912.9	468.5	408.4	436.9	463.1	488.9	516.9	536.5	540.1
32.5°	1388.5	1269.2	792.3	393.7	397.3	424.9	443.1	464.9	490.3	503.2	501.8
35°	1412.5	1254.1	646.8	358.1	387.9	414.6	427.5	440.4	428.9	428.4	429.8
37.5°	1446.7	1240.8	520.1	342.1	381.7	407.5	418.2	390.6	374.6	367.9	365.2
40°	1496.1	1235.4	410.2	332.8	380.8	407.1	399.5	356.8	335.0	311.9	311.4
42.5°	1558.4	1231.4	339.0	328.3	383.9	417.3	373.7	334.5	289.6	279.4	278.5
45°	1638.5	1225.2	303.4	327.4	391.5	425.3	371.0	303.9	273.2	268.7	268.7
47.5°	1735.0	1215.4	287.4	327.4	399.9	421.7	363.0	297.2	265.6	270.5	273.6
50°	1845.8	1202.9	278.9	326.5	408.4	421.7	346.1	295.8	263.8	289.2	299.4
52.5°	1964.1	1188.7	273.2	323.0	414.2	422.2	347.0	300.3	265.6	293.6	302.1
55°	2094.9	1186.5	265.1	315.4	416.0	410.6	349.2	310.1	268.3	266.0	266.5
57.5°	2260.0	1213.2	259.4	304.3	408.8	387.0	353.7	317.2	265.1	265.6	268.7
60°	2432.6	1263.4	264.3	293.6	394.2	364.8	356.8	313.6	250.0	242.9	243.8
62.5°	2579.4	1301.7	268.3	288.7	372.8	345.2	353.7	305.6	241.6	239.8	243.8
65°	2640.8	1270.1	258.5	278.5	341.7	321.2	347.0	295.4	234.4	227.8	228.2
67.5°	2572.7	1122.0	239.3	255.8	306.5	290.5	336.3	282.1	224.7	216.7	214.9
70°	2197.7	824.4	206.4	219.8	263.8	254.5	319.9	264.7	209.1	203.3	199.3
72.5°	1771.1	583.7	171.3	174.8	206.9	214.4	291.4	242.9	191.3	174.8	169.1
75°	1232.8	366.6	142.8	139.2	149.5	163.7	227.3	201.5	165.0	147.7	142.4
77.5°	530.3	188.2	111.7	109.9	99.7	113.4	174.4	168.2	138.4	118.3	115.2
80°	177.5	109.0	80.5	77.4	66.3	79.6	122.8	134.4	108.5	87.6	82.3
82.5°	89.0	63.2	51.2	46.3	44.5	50.3	72.5	83.6	75.2	60.5	51.2
85°	43.6	36.0	28.0	27.6	23.1	21.8	30.3	35.6	33.8	24.9	23.6
87.5°	16.0	14.2	8.9	7.1	4.4	3.1	1.8	1.8	1.3	1.3	1.3
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)