

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: P631135

Luminaire Tested: GWS-SA1F-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5994.2 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

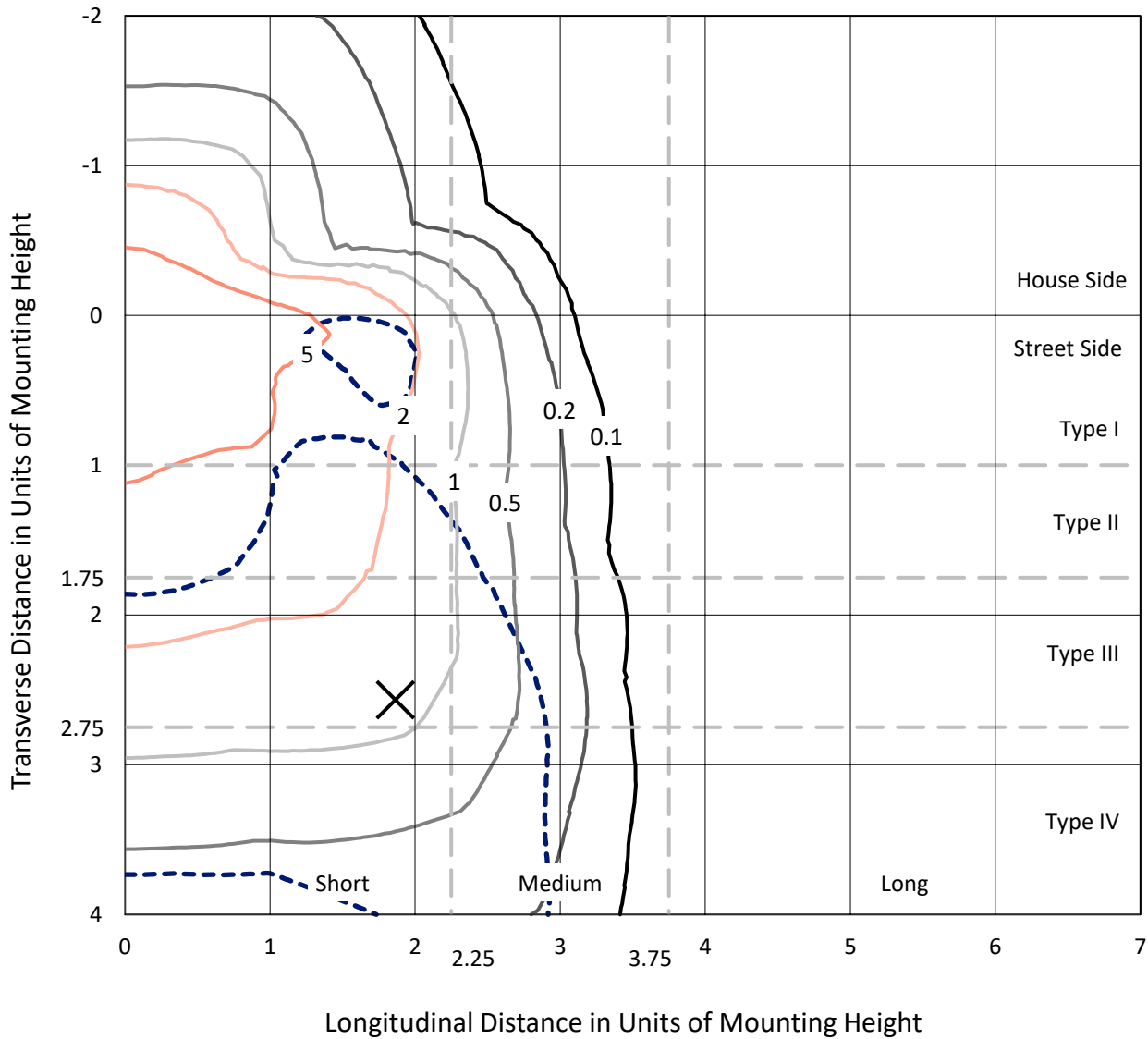
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

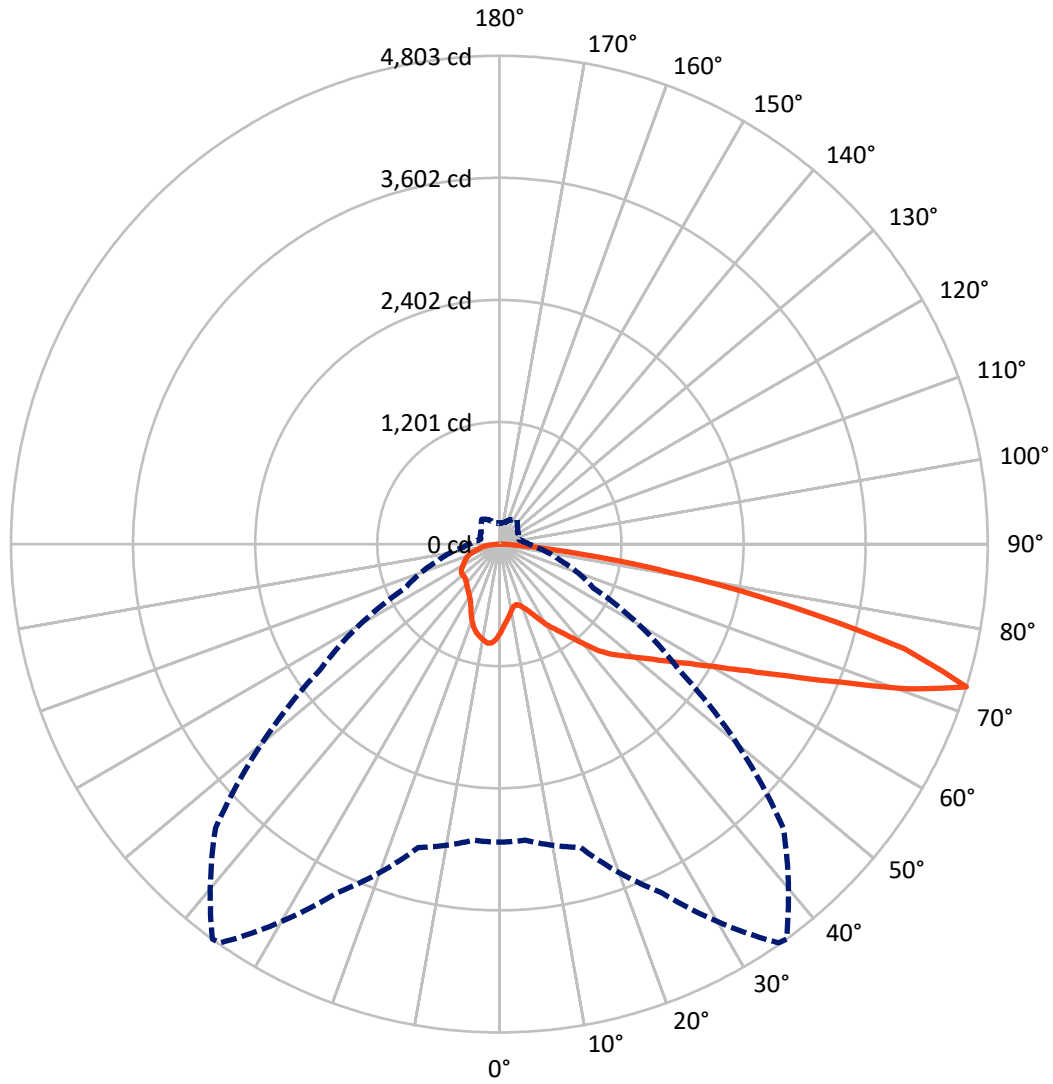
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1381.9	0.0	1381.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4612.3	0.0	4612.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	5994.2	0.0	5994.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.4
10°-20°	231.4	3.9
20°-30°	383.2	6.4
30°-40°	573.8	9.6
40°-50°	837.1	14.0
50°-60°	1191.5	19.9
60°-70°	1505.4	25.1
70°-80°	1072.7	17.9
80°-90°	117.1	2.0
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°	5994.2	100.0
0°-180°	5994.2	100.0

Coefficient of Utilization



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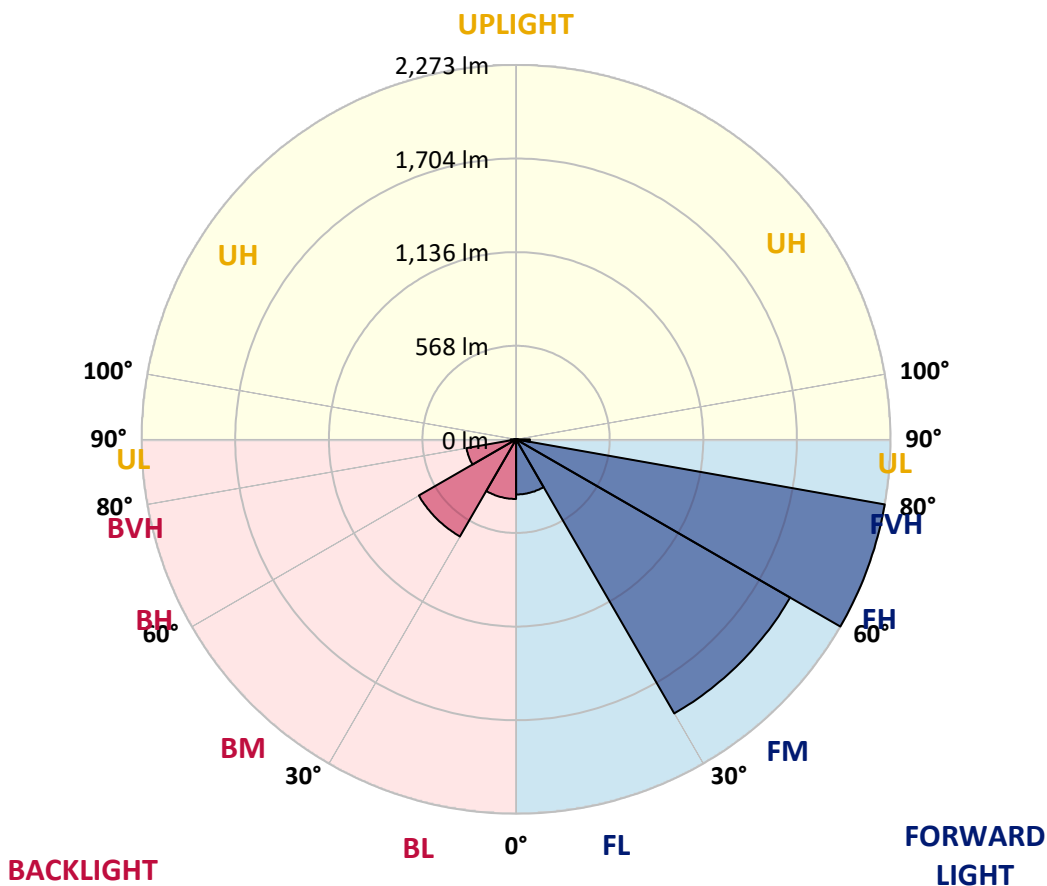
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.6	5.6			
FM (30°-60°)	1921.0	32.0			
FH (60°-80°)	2272.6	37.9			G2/5000
FVH (80°-90°)	84.0	1.4			G1/100
BL (0°-30°)	361.9	6.0	B1/500		
BM (30°-60°)	681.5	11.4	B1/1000		
BH (60°-80°)	305.5	5.1	B1/500		G1/500
BVH (80°-90°)	33.1	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3
2.5°	800.3	799.0	796.3	804.3	812.3	811.4	822.6	833.2	844.8	856.8	872.8
5°	736.3	735.4	733.1	745.2	757.2	756.7	775.0	792.3	815.9	841.7	873.7
7.5°	672.2	670.0	673.1	688.2	705.1	706.9	731.8	760.3	794.5	833.2	878.6
10°	615.7	615.3	616.6	633.5	658.8	660.6	692.7	732.3	777.6	829.2	889.7
12.5°	601.0	600.1	596.6	605.0	624.1	626.8	662.0	710.5	766.1	831.5	904.9
15°	625.0	622.8	610.4	606.4	615.7	617.9	647.7	697.6	759.4	835.5	924.0
17.5°	666.4	665.1	641.5	625.0	631.3	633.0	655.3	695.3	757.6	843.5	947.6
20°	726.9	721.1	684.2	659.3	659.3	662.0	675.3	705.1	759.8	853.3	974.3
22.5°	807.0	795.4	743.4	709.6	700.7	704.2	710.0	729.6	769.2	869.7	1007.6
25°	896.9	886.2	824.3	776.7	764.3	765.6	760.7	764.3	789.6	892.4	1049.0
27.5°	992.5	985.4	919.5	859.0	839.5	839.5	822.1	813.7	818.1	918.2	1095.3
30°	1077.9	1068.1	1012.5	946.2	920.4	920.4	887.5	869.3	858.6	949.8	1157.1
32.5°	1122.8	1117.1	1080.1	1029.4	997.8	992.9	964.5	943.1	918.2	996.5	1240.7
35°	1181.6	1180.2	1158.0	1118.4	1078.4	1071.2	1051.7	1034.8	991.6	1054.8	1352.0
37.5°	1255.4	1253.2	1249.6	1226.1	1178.0	1176.7	1159.3	1138.9	1082.8	1138.9	1486.7
40°	1338.2	1334.2	1329.7	1329.3	1300.3	1295.5	1294.1	1271.0	1192.7	1240.3	1627.3
42.5°	1452.0	1438.3	1396.4	1415.1	1436.5	1432.0	1448.9	1414.2	1329.7	1360.8	1760.3
45°	1592.2	1558.4	1475.6	1481.0	1534.8	1543.7	1602.4	1594.0	1480.5	1500.1	1900.5
47.5°	1676.3	1646.9	1569.9	1565.5	1632.7	1643.8	1771.5	1787.5	1642.9	1667.8	2073.5
50°	1745.2	1724.7	1661.6	1667.8	1739.0	1750.1	1939.2	1973.4	1795.9	1839.5	2274.6
52.5°	1828.4	1799.0	1750.1	1779.5	1866.7	1880.0	2125.6	2162.5	1933.8	2028.1	2482.8
55°	1875.1	1863.1	1864.0	1908.9	2018.4	2036.6	2320.9	2314.6	2060.2	2189.6	2639.4
57.5°	1982.8	1978.3	2019.3	2036.2	2195.4	2219.0	2516.2	2462.8	2175.0	2314.6	2714.6
60°	2172.7	2161.6	2197.2	2223.0	2414.3	2447.7	2734.2	2607.8	2252.8	2407.6	2689.2
62.5°	2439.7	2425.9	2427.2	2468.1	2707.5	2742.6	2976.6	2728.8	2276.8	2421.9	2528.6
65°	2771.5	2751.5	2728.8	2784.4	3096.7	3126.1	3240.4	2816.9	2219.4	2284.8	2193.2
67.5°	3121.6	3105.2	3078.5	3195.0	3600.8	3618.5	3536.2	2809.3	2037.5	1918.3	1538.4
70°	3142.1	3146.1	3272.4	3694.2	4258.7	4263.2	3816.1	2657.2	1650.0	1243.4	766.5
72.5°	2931.2	2924.6	3089.2	3785.4	4788.1	4803.2	3948.2	2152.7	1019.6	620.1	359.5
75°	2380.9	2392.5	2565.5	3312.0	4103.9	4117.2	3218.6	1269.2	484.5	303.4	230.0
77.5°	1025.0	1089.5	1430.7	2333.3	2939.2	2897.9	1658.9	514.3	258.5	216.2	176.2
80°	295.8	321.2	509.8	1109.5	1761.2	1730.1	656.6	192.6	180.2	162.4	126.3
82.5°	95.6	105.9	186.8	441.8	789.2	788.3	249.1	113.9	117.9	110.3	81.4
85°	26.7	30.7	57.4	133.9	244.2	239.3	72.1	53.8	62.7	63.6	40.5
87.5°	0.0	0.0	0.4	0.9	0.9	0.9	1.8	8.0	18.2	23.1	16.5
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°	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3
2.5°	882.6	881.3	899.5	913.8	927.1	936.0	938.7	940.4	944.0	945.8	944.0
5°	888.8	895.5	925.8	948.0	965.8	976.5	976.9	976.0	978.7	976.5	975.1
7.5°	902.2	915.1	953.4	976.9	988.5	988.9	978.3	965.8	959.6	954.2	952.5
10°	920.0	939.1	980.9	996.5	992.9	976.5	952.9	933.3	922.2	914.2	912.4
12.5°	944.5	965.8	1005.4	1005.0	982.7	953.4	925.8	902.2	886.2	876.8	873.7
15°	967.6	994.7	1023.2	1002.3	967.1	931.6	896.0	864.4	843.0	828.3	825.7
17.5°	996.1	1025.0	1036.1	993.8	947.6	901.7	854.1	812.8	783.9	766.5	765.2
20°	1029.0	1054.8	1042.3	979.2	922.2	862.2	797.6	751.4	720.2	703.3	704.7
22.5°	1067.2	1085.9	1044.1	959.1	887.1	806.1	734.0	689.5	668.6	659.7	660.2
25°	1108.2	1120.2	1041.0	932.0	833.2	737.6	668.6	648.2	646.4	644.2	645.1
27.5°	1156.7	1154.0	1031.6	893.7	760.7	658.0	622.8	628.2	635.3	634.4	635.3
30°	1221.6	1196.2	1019.6	840.8	674.4	591.2	595.7	610.8	620.1	621.0	623.7
32.5°	1295.9	1243.0	1000.5	768.7	592.1	553.9	570.3	588.6	599.7	601.9	605.5
35°	1384.4	1296.3	966.7	678.9	533.0	531.6	546.7	559.2	571.2	572.1	572.1
37.5°	1486.3	1349.7	912.9	579.7	496.5	512.5	526.7	529.4	532.5	529.8	531.2
40°	1579.7	1401.3	836.4	489.4	466.7	495.6	507.6	498.7	488.9	482.2	483.6
42.5°	1658.0	1436.5	734.9	426.2	436.4	480.5	489.8	471.6	452.4	440.0	441.8
45°	1746.1	1469.0	615.7	383.5	410.6	469.8	476.0	452.4	428.0	409.3	406.6
47.5°	1867.6	1535.2	509.8	353.7	392.4	464.0	474.2	442.2	410.2	382.1	379.0
50°	2017.5	1629.1	421.3	334.1	383.9	460.9	473.8	431.1	392.8	359.9	357.7
52.5°	2181.2	1720.7	355.9	319.0	375.5	451.5	471.6	418.6	374.6	339.0	336.3
55°	2290.2	1756.8	311.9	304.7	361.7	436.9	462.7	406.6	347.0	314.5	310.5
57.5°	2322.2	1710.5	281.2	291.8	343.9	416.4	445.8	381.3	330.1	304.3	301.2
60°	2267.0	1594.0	262.0	281.2	324.3	390.1	416.4	366.6	316.7	293.6	291.4
62.5°	2111.3	1414.2	247.3	270.0	304.3	362.6	397.7	348.8	302.1	283.8	280.7
65°	1798.2	1159.8	235.3	258.5	285.2	336.3	377.2	331.0	286.0	272.3	268.7
67.5°	1257.6	814.6	222.4	244.7	266.0	311.0	355.9	314.5	269.6	259.4	255.8
70°	614.8	432.0	206.9	228.7	245.6	285.2	334.5	294.5	247.8	242.0	237.1
72.5°	292.7	241.6	188.6	206.9	217.5	250.9	299.0	265.6	222.0	209.5	201.1
75°	196.2	171.7	164.6	181.1	183.7	210.4	256.2	229.1	195.7	181.5	174.4
77.5°	148.6	131.2	138.4	153.0	147.7	173.1	210.9	204.2	176.6	163.7	160.2
80°	104.5	95.6	109.9	118.8	114.8	147.3	190.0	174.8	145.5	131.2	128.6
82.5°	65.8	64.1	81.0	82.3	83.6	116.6	156.1	137.5	113.0	93.0	86.3
85°	32.9	36.5	48.5	48.5	48.0	60.1	89.0	77.4	60.9	48.5	47.2
87.5°	11.1	15.6	20.9	16.9	12.9	10.2	11.6	14.2	15.1	14.7	14.7
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)