

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: P630862

Luminaire Tested: GWS-SA1E-740-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7512.7 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

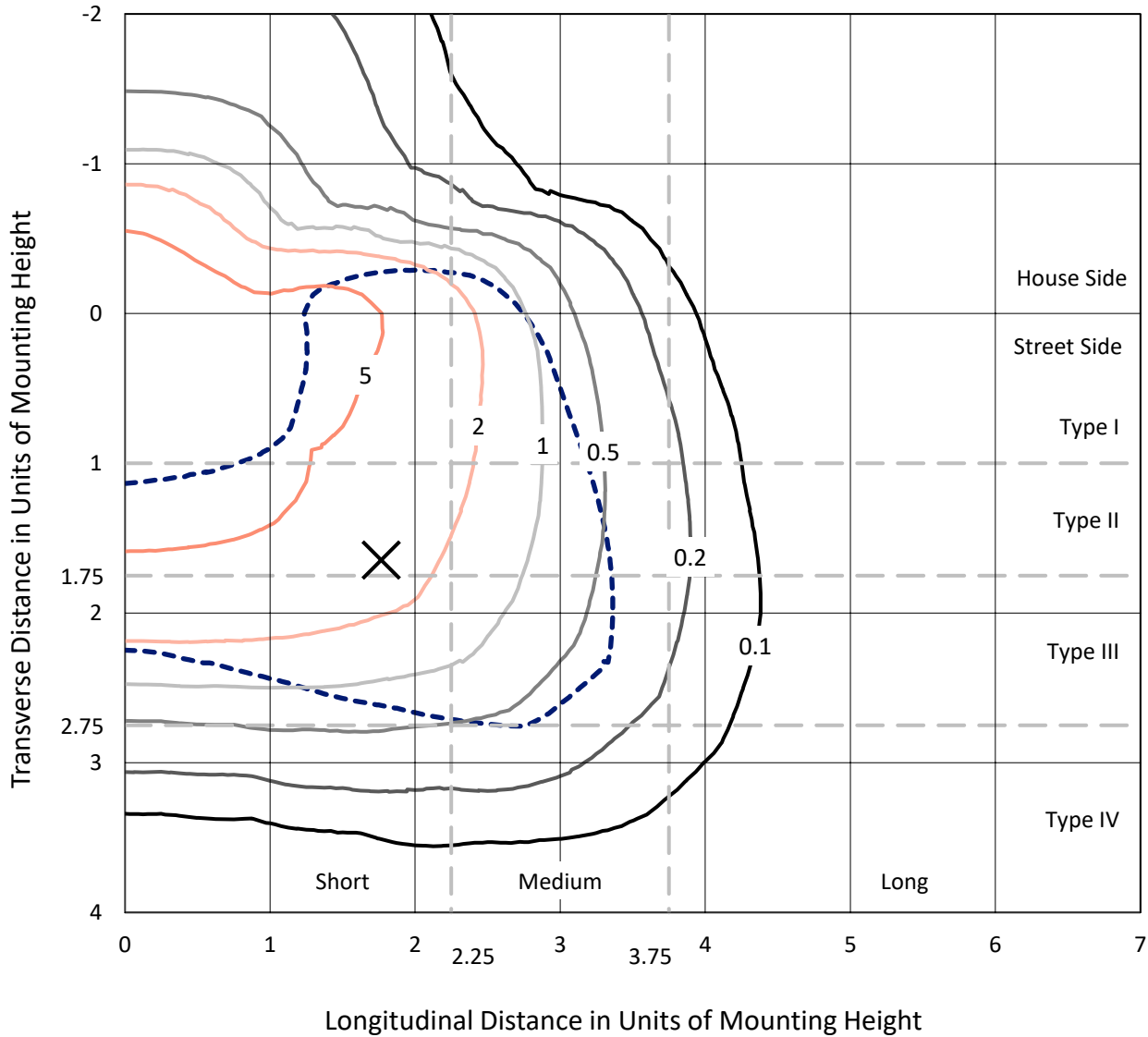
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630862
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Iso-Footcandle Lines of Horizontal Illumination

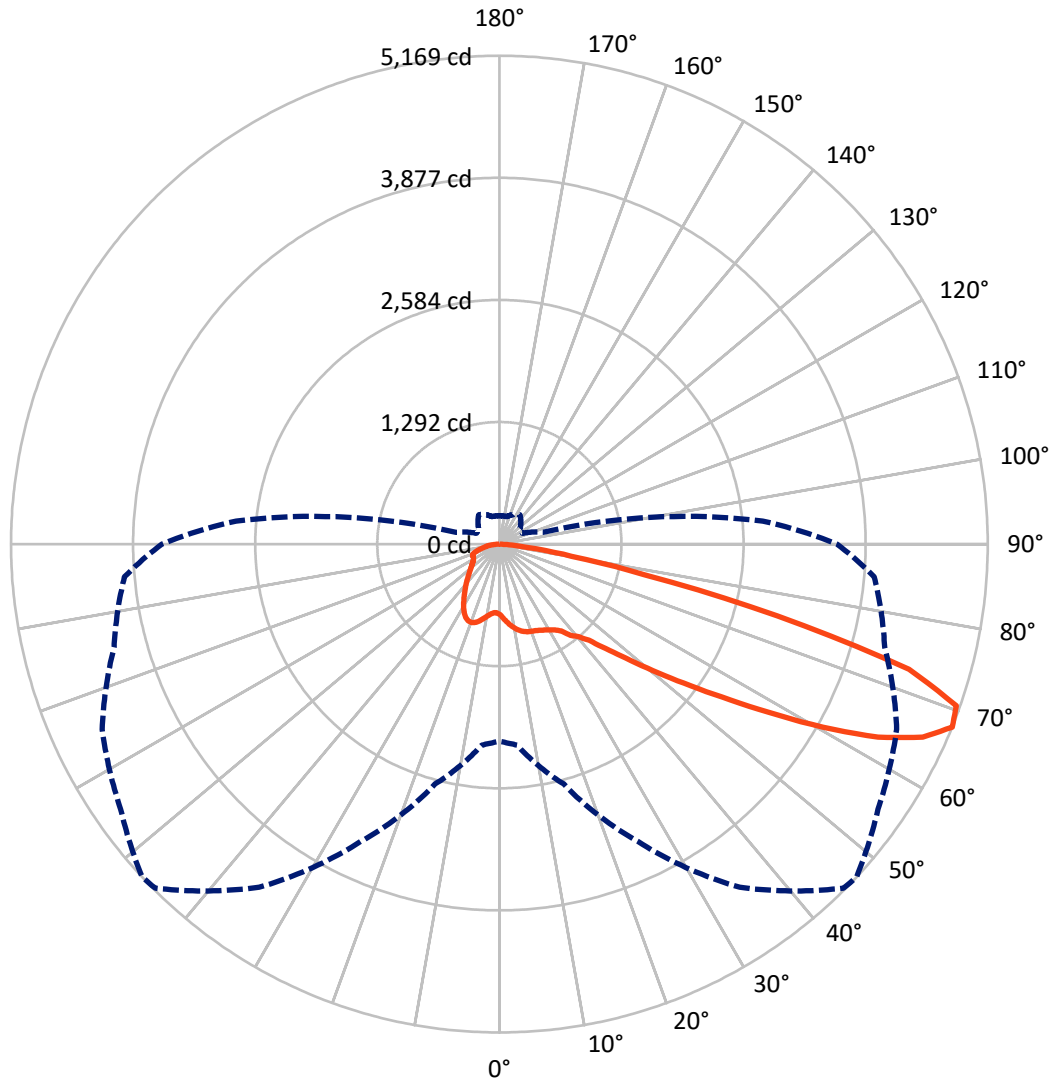
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - N/A

REPORT NUMBER: P630862
CATALOG NUMBER: GWS-SA1E-740-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1E-740-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1712.2	0.0	1712.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	5800.5	0.0	5800.5
	% Fixture	77.2	0.0	77.2
Total	Lumens	7512.7	0.0	7512.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	1.0
10°-20°	253.6	3.4
20°-30°	431.0	5.7
30°-40°	631.4	8.4
40°-50°	962.0	12.8
50°-60°	1721.3	22.9
60°-70°	2296.8	30.6
70°-80°	1038.7	13.8
80°-90°	101.8	1.4
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°	7512.7	100.0
0°-180°	7512.7	100.0

Coefficient of Utilization



REPORT NUMBER: P630862

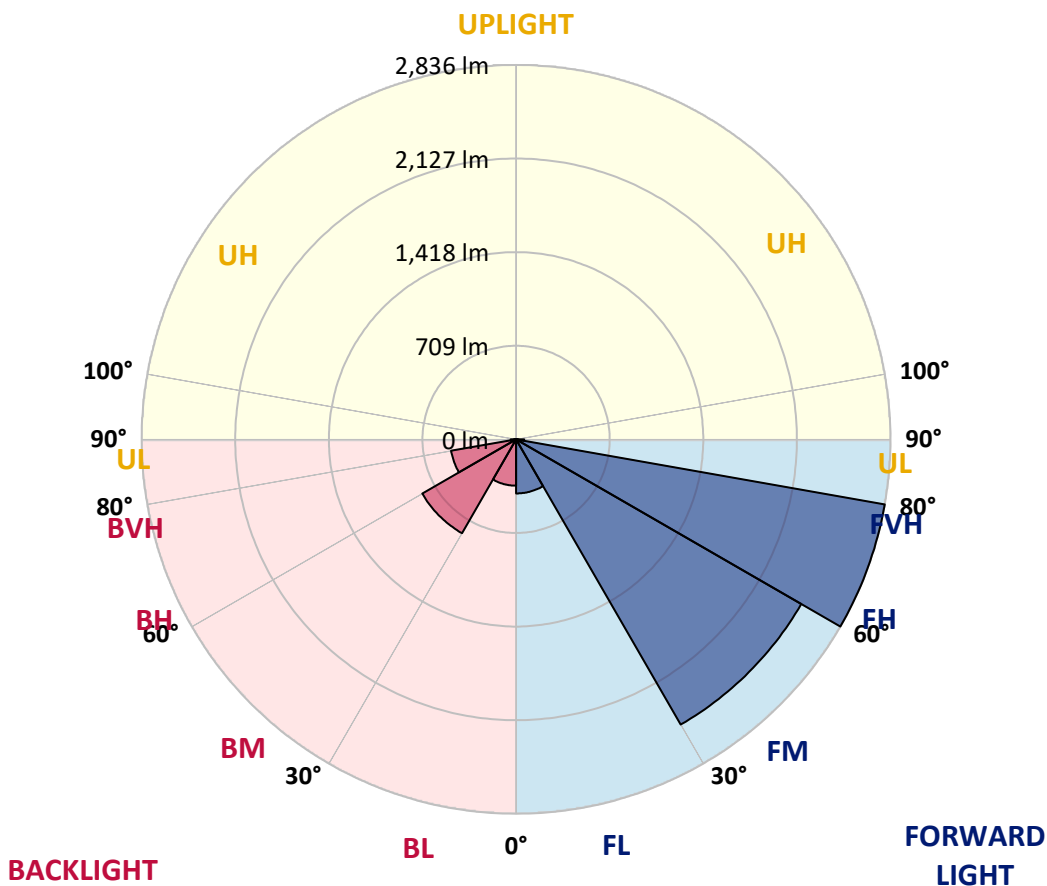
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	409.7	5.5			
FM (30°-60°)	2494.3	33.2			
FH (60°-80°)	2836.0	37.7			G2/5000
FVH (80°-90°)	60.5	0.8			G1/100
BL (0°-30°)	351.0	4.7	B1/500		
BM (30°-60°)	820.4	10.9	B1/1000		
BH (60°-80°)	499.6	6.6	B1/500		G1/500
BVH (80°-90°)	41.2	0.5			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 Short





REPORT NUMBER: P630862
 CATALOG NUMBER: GWS-SA1E-740-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7
2.5°	794.2	796.9	796.4	792.0	789.3	784.4	784.9	777.3	765.9	758.3	749.6
5°	864.3	868.6	863.2	856.1	845.2	829.5	827.9	810.5	788.7	773.5	757.8
7.5°	925.1	927.8	921.3	909.3	893.6	872.4	868.6	848.0	820.8	796.9	774.1
10°	972.4	975.6	966.9	951.2	930.5	909.3	906.6	885.4	856.6	828.4	799.6
12.5°	1012.6	1013.6	1004.4	983.2	960.9	939.2	936.5	916.9	890.3	861.5	830.0
15°	1035.9	1036.5	1025.0	1001.7	980.5	961.5	959.9	943.0	918.6	891.4	857.7
17.5°	1034.3	1035.4	1027.2	1006.6	988.1	976.7	975.1	964.2	945.2	920.7	887.1
20°	1014.2	1015.3	1009.8	996.3	986.5	983.2	983.8	980.5	969.1	949.0	914.8
22.5°	998.4	1000.1	995.2	985.4	984.3	991.9	993.5	995.2	989.7	971.8	938.7
25°	1006.0	1008.7	1001.1	987.6	989.7	1006.6	1009.8	1015.3	1010.9	995.7	966.9
27.5°	1058.7	1060.4	1040.8	1013.1	1006.6	1024.5	1029.4	1038.1	1034.8	1020.7	998.4
30°	1180.9	1179.9	1138.0	1070.1	1043.0	1050.0	1053.8	1066.3	1067.4	1058.2	1037.0
32.5°	1353.1	1347.7	1283.1	1175.0	1096.2	1078.8	1083.2	1100.0	1112.5	1102.7	1073.9
35°	1535.1	1530.2	1459.1	1332.5	1194.5	1134.2	1129.3	1142.4	1161.4	1134.2	1092.9
37.5°	1708.4	1700.8	1628.0	1471.6	1315.7	1231.5	1224.4	1211.4	1200.0	1147.8	1116.3
40°	1900.7	1892.0	1828.5	1651.4	1449.3	1305.9	1288.0	1236.4	1226.0	1192.9	1177.1
42.5°	2106.0	2106.0	2053.3	1879.0	1610.6	1412.4	1389.0	1311.3	1322.2	1300.5	1282.0
45°	2311.4	2317.4	2275.5	2108.2	1826.3	1613.3	1575.9	1465.6	1491.7	1481.9	1472.7
47.5°	2486.3	2497.7	2489.5	2342.3	2090.3	1857.8	1800.8	1686.1	1742.1	1765.4	1791.5
50°	2674.8	2687.3	2679.1	2621.0	2399.4	2153.8	2102.8	1984.4	2080.5	2150.6	2235.9
52.5°	2954.5	2972.5	2904.6	2882.3	2774.7	2490.1	2444.5	2309.7	2484.1	2600.4	2790.5
55°	3190.8	3190.3	3166.4	3217.5	3177.8	2901.3	2850.8	2728.6	2951.3	3074.6	3352.7
57.5°	3300.6	3313.6	3395.6	3540.1	3619.4	3403.8	3355.4	3230.5	3452.7	3516.8	3817.2
60°	3357.1	3373.4	3532.0	3817.7	4031.2	3952.4	3933.4	3774.3	3899.2	3891.6	4208.8
62.5°	3277.8	3310.3	3565.1	3944.8	4325.1	4503.8	4497.8	4257.2	4278.9	4204.5	4451.6
65°	2913.8	2949.1	3348.9	3881.3	4492.9	4923.1	4924.8	4694.5	4570.6	4356.6	4410.9
67.5°	2083.8	2134.3	2628.6	3472.8	4433.7	5149.7	5168.7	4892.7	4639.0	4221.9	3982.8
70°	1135.9	1172.8	1560.1	2524.3	3900.3	5095.3	5130.7	4797.1	4337.0	3652.0	3065.9
72.5°	516.1	528.0	725.7	1385.2	2664.5	4385.9	4533.7	4281.1	3561.9	2697.6	1949.6
75°	236.3	241.7	316.2	662.7	1392.3	2935.0	3038.7	3188.7	2478.7	1703.5	1016.4
77.5°	148.3	149.9	179.8	303.1	694.2	1465.0	1574.2	1898.5	1451.5	843.1	424.8
80°	87.5	89.1	111.9	164.1	325.9	670.3	774.1	750.7	682.3	364.0	193.4
82.5°	44.0	45.6	64.6	93.4	177.6	266.7	314.0	315.6	254.2	197.2	109.2
85°	15.8	16.3	21.2	36.9	75.5	88.0	98.3	120.1	124.4	114.6	52.7
87.5°	0.0	0.0	0.5	1.1	2.2	8.7	9.2	17.4	36.4	40.7	21.2
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: P630862
 CATALOG NUMBER: GWS-SA1E-740-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7	744.7
2.5°	746.9	738.8	736.1	733.3	729.0	727.4	724.1	720.8	720.8	717.6	716.0
5°	750.7	739.9	732.8	729.5	726.8	728.4	728.4	729.5	733.3	731.2	732.3
7.5°	764.3	751.8	742.0	739.3	739.3	745.8	750.2	755.6	762.7	763.8	763.8
10°	788.2	773.5	763.2	761.6	764.3	773.5	780.1	786.6	795.3	795.8	796.9
12.5°	814.3	799.6	789.3	791.5	794.2	806.1	813.2	818.6	827.3	827.3	826.8
15°	841.4	825.1	816.5	820.8	828.9	842.5	843.6	844.2	848.5	847.4	846.9
17.5°	869.7	852.3	845.8	852.3	861.0	867.5	862.1	854.5	852.8	850.7	849.6
20°	897.4	879.5	876.7	881.6	884.4	878.9	862.1	848.0	841.4	838.2	837.1
22.5°	921.3	906.1	904.5	904.5	890.9	871.9	846.9	827.9	819.2	814.8	813.7
25°	949.5	935.4	932.7	918.0	883.3	848.5	814.8	797.4	790.4	788.2	788.7
27.5°	982.7	972.9	964.2	922.4	861.5	807.2	769.2	761.6	758.9	761.6	763.2
30°	1023.4	1013.6	994.1	916.9	826.8	753.4	717.0	716.5	724.6	731.7	732.8
32.5°	1056.6	1052.2	1020.2	899.6	777.9	694.2	663.3	665.4	680.1	689.9	691.5
35°	1082.6	1089.7	1041.9	870.8	719.8	638.3	613.8	614.9	623.1	636.6	637.2
37.5°	1119.6	1143.5	1061.4	826.8	652.9	589.9	567.7	559.5	558.4	562.2	563.3
40°	1194.0	1229.8	1075.6	762.7	588.3	546.5	521.5	505.7	492.2	481.8	478.6
42.5°	1306.4	1347.7	1083.7	685.0	530.7	503.6	475.3	455.2	431.3	409.6	402.0
45°	1512.9	1526.4	1083.7	602.4	479.7	463.4	435.1	411.2	380.8	355.3	349.8
47.5°	1843.1	1799.7	1084.8	522.6	434.6	428.1	403.6	376.4	342.8	321.6	318.3
50°	2340.7	2188.1	1107.1	456.3	397.1	398.2	380.2	350.4	320.0	304.2	301.5
52.5°	2904.6	2666.6	1166.8	407.4	365.6	373.7	364.0	335.2	308.0	294.4	291.7
55°	3434.7	3106.6	1217.9	372.6	339.0	353.1	352.5	325.9	301.5	287.9	286.3
57.5°	3885.6	3408.1	1210.3	344.4	316.2	334.1	342.2	320.0	297.1	285.7	284.1
60°	4165.9	3567.8	1102.2	318.3	298.8	320.5	336.2	318.3	299.3	296.6	297.1
62.5°	4287.6	3538.5	894.7	298.8	287.4	314.0	342.8	329.7	319.4	325.9	329.7
65°	4098.5	3286.4	658.4	284.1	276.5	315.6	358.0	347.7	319.4	323.8	325.4
67.5°	3573.8	2797.6	475.9	269.4	262.9	320.5	379.7	344.9	300.9	300.9	297.7
70°	2575.4	2012.1	345.5	254.8	249.3	313.4	380.8	326.5	279.8	278.1	270.0
72.5°	1549.8	1186.9	269.4	238.5	228.7	278.1	356.9	304.7	259.1	245.5	235.8
75°	805.0	594.8	226.0	220.5	196.1	235.8	326.5	271.1	221.6	209.7	204.2
77.5°	344.9	278.1	193.9	196.6	163.0	198.3	263.5	234.7	196.6	181.4	176.5
80°	170.0	158.1	153.2	157.5	130.4	153.2	227.1	205.3	166.8	149.4	142.3
82.5°	97.2	92.3	110.3	111.9	92.9	128.2	191.8	173.8	138.0	119.0	107.6
85°	45.1	48.3	66.8	67.4	57.6	88.0	125.5	97.8	73.3	60.8	58.1
87.5°	17.9	21.2	29.3	28.8	16.8	16.3	10.9	6.0	4.9	4.3	3.8
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)