

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: P631396

Luminaire Tested: GWS-SA1F-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8550.3 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

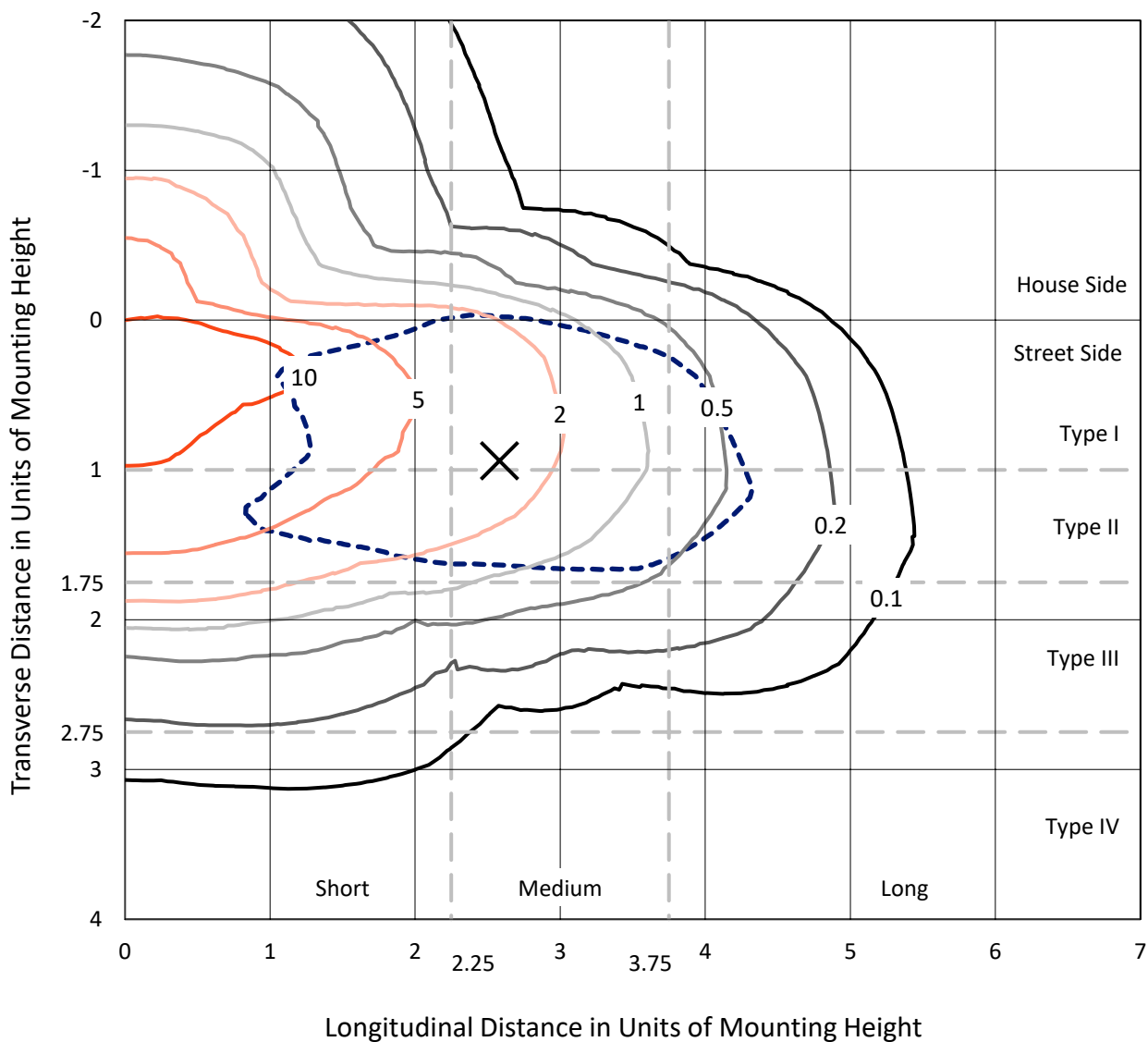
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631396
 CATALOG NUMBER: GWS-SA1F-750-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

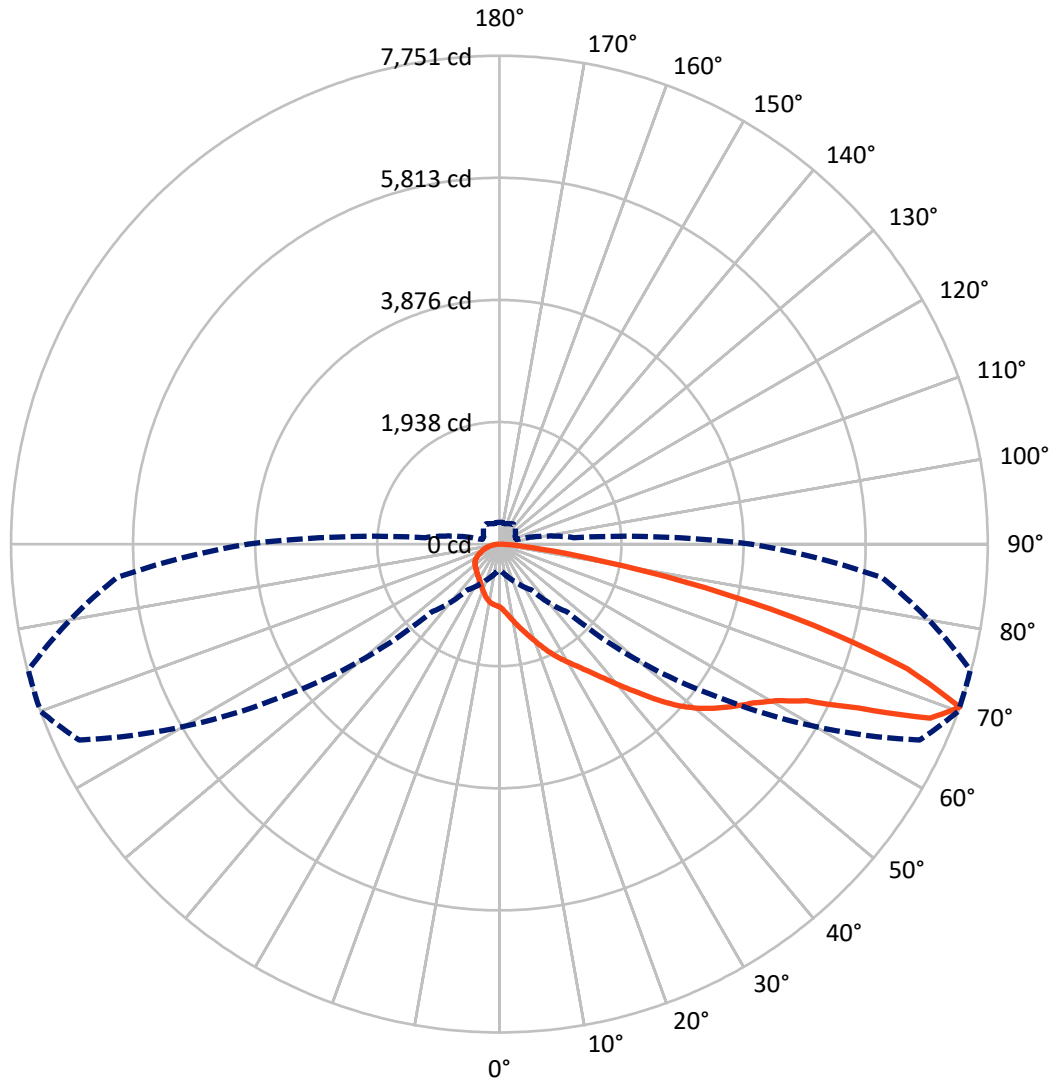
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P631396
CATALOG NUMBER: GWS-SA1F-750-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631396

CATALOG NUMBER: GWS-SA1F-750-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1532.2	0.0	1532.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	7018.1	0.0	7018.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	8550.3	0.0	8550.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	1.2
10°-20°	329.7	3.9
20°-30°	584.0	6.8
30°-40°	879.0	10.3
40°-50°	1329.8	15.6
50°-60°	1905.1	22.3
60°-70°	2105.8	24.6
70°-80°	1188.4	13.9
80°-90°	127.1	1.5
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°	8550.3	100.0
0°-180°	8550.3	100.0

Coefficient of Utilization



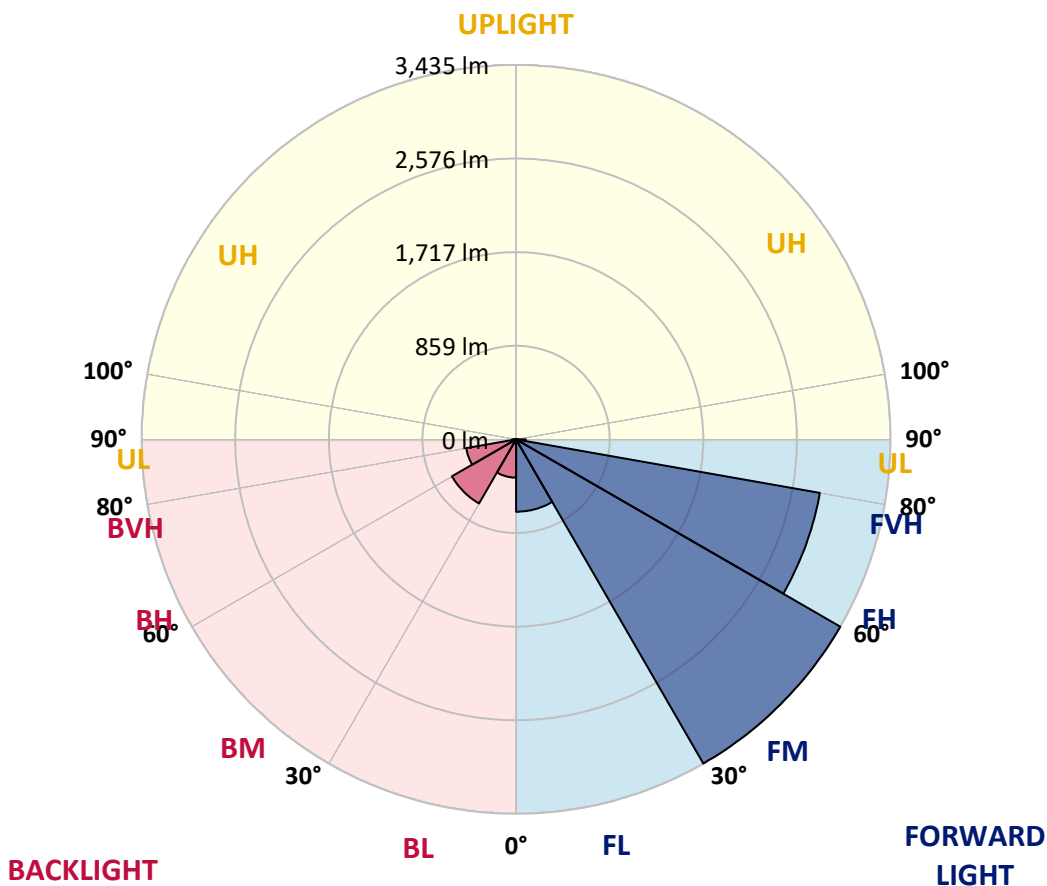
REPORT NUMBER: P631396

CATALOG NUMBER: GWS-SA1F-750-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.8	7.8			
FM (30°-60°)	3434.6	40.2			
FH (60°-80°)	2829.8	33.1			G2/5000
FVH (80°-90°)	89.9	1.1			G1/100
BL (0°-30°)	351.3	4.1	B1/500		
BM (30°-60°)	679.2	7.9	B1/1000		
BH (60°-80°)	464.4	5.4	B1/500		G1/500
BVH (80°-90°)	37.3	0.4			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 II Medium





REPORT NUMBER: P631396

CATALOG NUMBER: GWS-SA1F-750-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1104.6	1102.8	1104.0	1102.8	1096.0	1079.3	1065.7	1048.4	1036.7	1029.9	1013.8
5°	1234.4	1232.5	1228.2	1222.0	1209.7	1186.8	1152.8	1115.1	1092.3	1075.0	1041.0
7.5°	1327.7	1327.7	1327.1	1319.6	1311.0	1286.9	1246.7	1197.3	1164.0	1134.3	1078.7
10°	1375.2	1378.3	1382.7	1393.2	1391.3	1378.3	1340.6	1287.5	1245.5	1210.9	1128.1
12.5°	1401.2	1403.0	1410.5	1432.1	1454.3	1457.4	1435.2	1379.6	1333.8	1287.5	1183.1
15°	1434.6	1435.2	1445.1	1471.0	1503.7	1536.5	1530.9	1475.3	1428.4	1377.1	1244.3
17.5°	1460.5	1464.8	1482.7	1513.0	1553.8	1598.9	1626.1	1591.5	1533.4	1474.7	1311.0
20°	1469.8	1472.9	1496.3	1542.7	1598.3	1661.9	1722.4	1713.2	1654.5	1585.3	1386.4
22.5°	1503.1	1503.1	1520.4	1559.3	1624.8	1717.5	1815.7	1839.8	1787.9	1707.0	1467.3
25°	1576.6	1574.2	1582.2	1598.3	1647.7	1762.0	1907.8	1980.1	1922.0	1831.2	1548.2
27.5°	1677.3	1676.1	1675.5	1678.0	1694.6	1800.9	1985.6	2111.0	2053.0	1950.4	1620.5
30°	1786.7	1783.0	1791.0	1783.6	1779.9	1847.2	2051.7	2228.4	2183.3	2068.4	1680.4
32.5°	1935.6	1928.8	1926.9	1902.8	1888.0	1919.5	2104.9	2361.9	2326.0	2195.7	1747.8
35°	2132.1	2125.9	2094.4	2056.1	2012.2	2027.0	2171.0	2492.2	2494.7	2355.1	1836.1
37.5°	2330.4	2331.6	2306.9	2216.7	2171.6	2162.9	2271.7	2651.0	2704.1	2545.4	1950.4
40°	2495.3	2502.7	2502.7	2407.6	2340.3	2332.2	2413.2	2839.4	2945.1	2778.9	2095.0
42.5°	2620.7	2627.5	2649.2	2580.6	2509.5	2537.3	2584.9	3028.5	3218.2	3067.4	2277.9
45°	2758.5	2764.1	2775.8	2736.3	2694.9	2769.0	2779.5	3254.6	3530.8	3391.1	2490.4
47.5°	2941.4	2936.4	2937.7	2908.6	2876.5	2996.4	2993.9	3444.9	3832.9	3745.8	2720.8
50°	3168.7	3178.0	3169.4	3111.9	3074.2	3183.6	3197.8	3655.6	4098.5	4096.7	2953.1
52.5°	3387.4	3391.1	3436.9	3439.3	3362.1	3339.3	3376.3	3868.1	4322.8	4417.9	3176.2
55°	3398.6	3412.8	3549.9	3648.8	3773.6	3590.1	3556.7	4070.7	4539.7	4732.4	3407.8
57.5°	3161.9	3184.8	3417.7	3630.9	3978.1	4020.7	3865.6	4332.7	4756.5	5041.9	3676.0
60°	2656.6	2704.1	3020.5	3346.7	3886.0	4330.2	4497.6	4688.5	5041.3	5358.2	4001.5
62.5°	1696.5	1715.0	2158.6	2704.8	3471.5	4299.9	5185.9	5315.6	5475.0	5770.3	4503.2
65°	849.5	908.8	1168.9	1614.3	2503.4	3789.0	5533.7	6464.1	6268.9	6475.9	5316.2
67.5°	576.4	595.6	727.2	970.0	1467.9	2684.4	5318.1	7431.6	7374.2	7408.1	6183.0
70°	425.1	437.4	541.2	687.0	887.8	1524.1	4233.8	7358.7	7751.0	7738.7	6092.2
72.5°	310.1	316.3	394.8	524.5	658.0	788.3	2585.5	5944.5	6766.2	7122.7	5328.0
75°	225.5	232.9	274.3	392.3	511.5	491.8	1276.4	4293.8	5159.9	5845.7	4340.7
77.5°	168.0	177.3	196.5	245.9	358.3	352.2	551.7	2788.2	3337.4	3818.1	2636.8
80°	121.1	122.9	134.1	157.5	227.4	206.3	262.6	1453.7	1666.8	1826.2	1033.6
82.5°	73.5	75.4	89.6	97.0	140.9	129.7	136.5	470.8	674.6	716.0	386.1
85°	21.6	22.9	40.8	44.5	58.7	55.6	55.0	191.5	228.6	292.2	152.0
87.5°	0.0	0.0	0.0	0.0	0.6	3.7	6.8	34.0	51.3	71.0	37.1
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: P631396
 CATALOG NUMBER: GWS-SA1F-750-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1007.6	993.4	986.0	973.0	963.8	954.5	945.2	936.6	932.9	927.3	928.6
5°	1025.6	1003.3	981.1	955.7	934.1	916.2	900.1	885.9	879.8	874.2	876.7
7.5°	1052.7	1019.4	976.8	930.4	896.4	871.7	855.0	845.2	842.1	837.7	837.7
10°	1087.3	1037.3	962.5	896.4	855.7	835.9	828.5	827.9	831.0	831.6	830.3
12.5°	1125.6	1054.6	941.5	856.3	821.7	815.5	821.1	831.6	842.1	847.6	846.4
15°	1165.2	1065.7	905.7	818.0	797.0	805.0	822.9	843.9	864.3	874.8	874.2
17.5°	1202.3	1068.2	859.4	780.9	775.3	795.7	826.6	859.4	887.2	902.0	902.6
20°	1243.6	1063.9	811.8	747.5	753.7	787.1	827.9	867.4	900.1	915.0	918.7
22.5°	1281.3	1049.0	765.5	716.0	735.2	776.6	818.0	855.0	884.1	898.3	903.2
25°	1315.3	1020.6	714.8	689.5	721.0	761.8	793.3	819.2	839.6	848.3	855.0
27.5°	1333.8	978.0	676.5	668.5	707.4	740.8	758.1	766.1	772.9	770.4	775.3
30°	1337.6	924.9	643.1	651.8	687.0	711.7	715.4	707.4	695.7	676.5	680.8
32.5°	1333.8	863.7	615.3	633.9	664.1	679.0	674.0	653.0	624.6	594.9	596.8
35°	1335.1	801.9	592.5	614.1	637.6	645.6	633.3	604.2	573.9	546.8	545.5
37.5°	1348.7	750.0	573.3	594.9	611.6	612.9	599.3	569.0	553.6	533.2	530.7
40°	1386.4	711.7	556.0	575.8	586.3	585.7	570.2	548.6	559.1	552.3	550.5
42.5°	1448.1	688.2	541.8	555.4	562.8	564.1	551.7	538.1	561.0	552.3	549.2
45°	1547.6	687.0	531.9	535.0	546.8	555.4	546.8	531.3	540.0	498.0	489.9
47.5°	1665.6	708.0	524.5	517.1	537.5	552.9	539.3	514.6	496.7	458.4	452.9
50°	1807.7	750.6	517.7	498.0	523.9	543.7	530.1	496.1	468.9	448.5	445.4
52.5°	1976.4	806.9	509.1	476.3	503.5	538.7	530.1	494.2	458.4	439.9	436.8
55°	2153.1	871.7	499.2	450.4	480.7	540.0	534.4	481.3	450.4	440.5	438.0
57.5°	2372.4	949.6	481.3	420.1	460.3	528.8	517.1	473.9	444.8	436.8	434.3
60°	2657.2	1065.1	447.3	389.2	436.8	509.1	501.7	461.5	430.0	423.2	421.3
62.5°	3108.2	1260.9	405.9	359.6	409.0	467.7	478.8	438.0	411.5	410.8	410.2
65°	3843.4	1496.3	357.1	333.0	380.0	433.7	448.5	413.9	392.3	399.1	398.5
67.5°	4358.6	1516.7	316.9	305.2	346.0	396.6	418.3	389.2	365.7	378.7	378.1
70°	3992.3	1183.1	282.3	276.2	309.5	356.5	385.5	358.3	334.9	347.2	344.7
72.5°	3367.1	906.9	249.6	245.9	272.5	314.5	343.5	327.4	302.7	302.7	297.2
75°	2706.0	748.2	215.0	213.1	231.1	271.8	304.6	277.4	254.5	253.3	249.6
77.5°	1551.9	490.5	180.4	179.2	184.7	227.4	236.6	231.1	213.8	205.7	203.3
80°	618.4	255.2	142.1	134.1	139.6	166.8	186.6	177.3	162.5	152.6	147.0
82.5°	239.7	127.9	100.1	87.7	95.8	120.5	135.3	132.2	122.3	100.1	93.9
85°	97.6	62.4	59.9	50.7	55.6	64.9	77.8	67.3	55.6	39.5	37.7
87.5°	25.9	22.9	22.2	13.6	10.5	3.1	0.6	0.0	0.0	0.0	0.0
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)