

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: P630960

Luminaire Tested: GWS-SA1E-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7795.4 lumens
Efficiency: N/A
Efficacy: 133.5 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

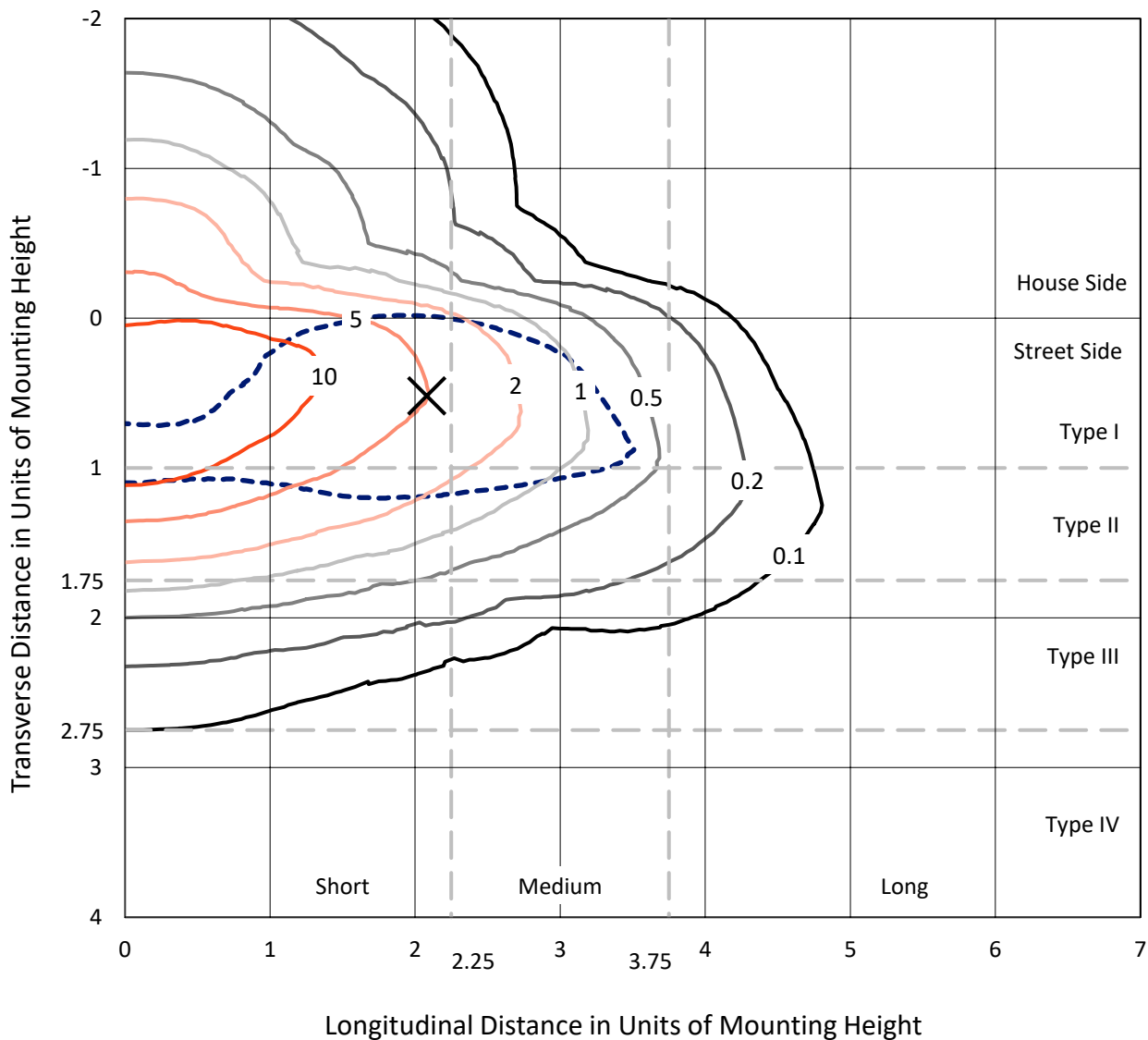
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

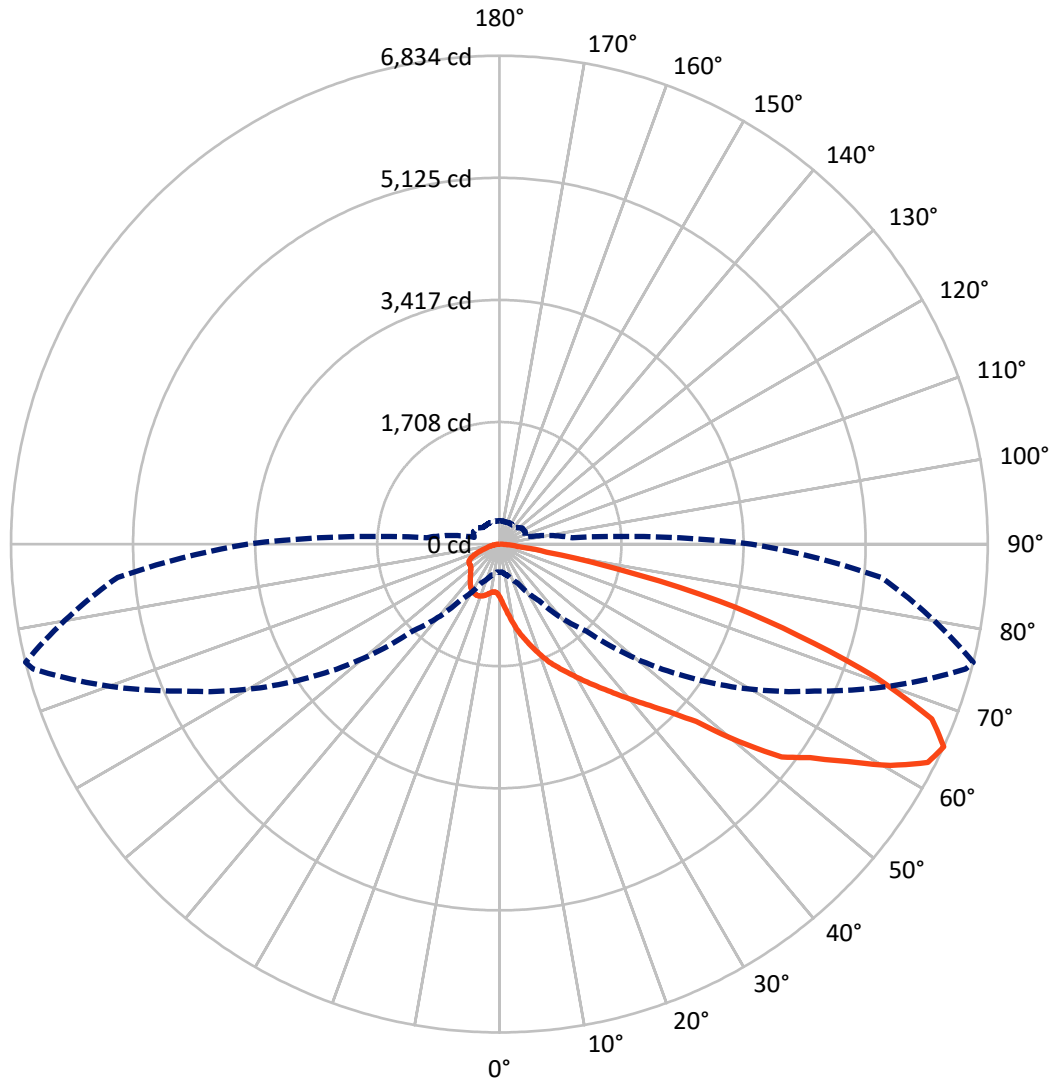
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.0	0.0	1303.0
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	6492.4	0.0	6492.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	7795.4	0.0	7795.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	1.1
10°-20°	334.0	4.3
20°-30°	651.0	8.4
30°-40°	1088.8	14.0
40°-50°	1558.9	20.0
50°-60°	1845.5	23.7
60°-70°	1534.6	19.7
70°-80°	628.0	8.1
80°-90°	66.9	0.9
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°	7795.4	100.0
0°-180°	7795.4	100.0

Coefficient of Utilization



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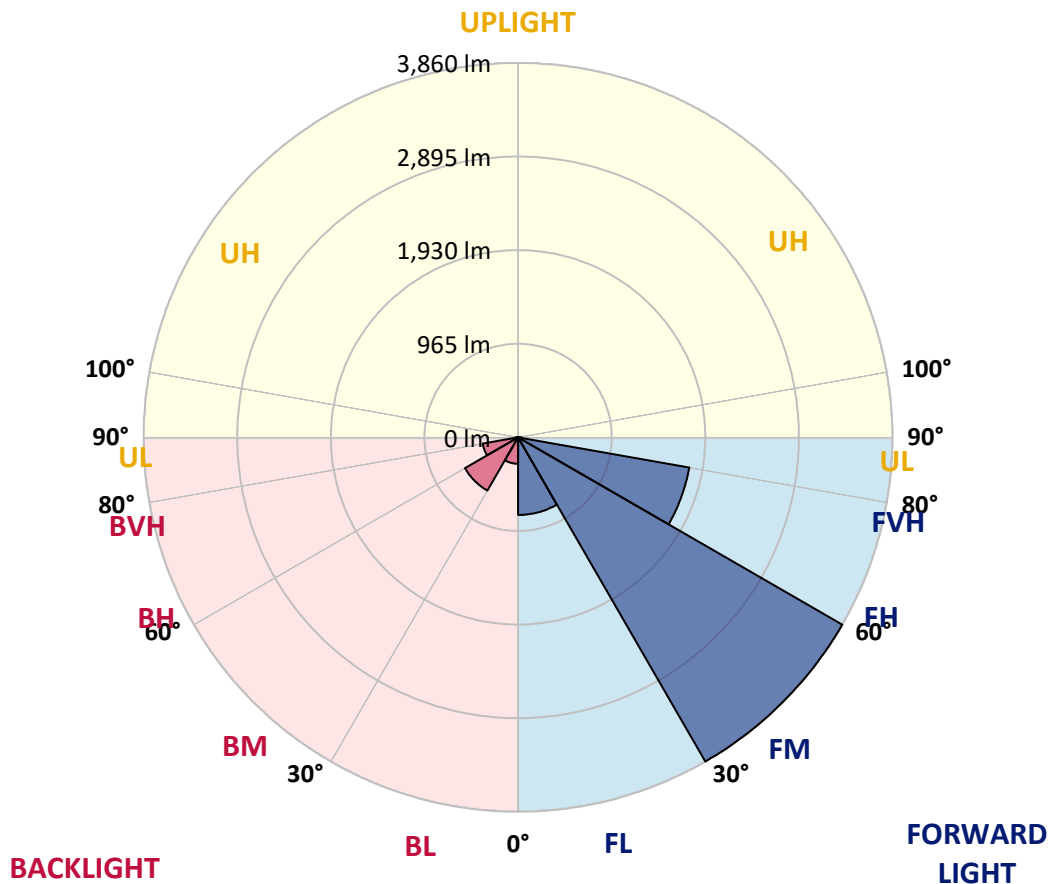
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.2	10.3			
FM (30°-60°)	3860.0	49.5			
FH (60°-80°)	1792.4	23.0			G1/1800
FVH (80°-90°)	39.9	0.5			G1/100
BL (0°-30°)	272.6	3.5	B1/500		
BM (30°-60°)	633.2	8.1	B1/1000		
BH (60°-80°)	370.2	4.7	B1/500		G1/500
BVH (80°-90°)	27.0	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°	55°	65°	75°	76°	85°
0°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	1034.7	1038.5	1025.9	1021.5	991.9	951.9	918.5	868.1	821.5	814.4	772.7
5°	1314.2	1297.7	1283.5	1274.2	1233.1	1187.6	1116.9	1022.1	922.9	910.8	820.9
7.5°	1480.2	1477.5	1460.0	1454.5	1422.7	1377.2	1304.3	1186.5	1042.4	1022.6	886.2
10°	1613.4	1611.8	1603.0	1607.9	1578.9	1534.5	1463.8	1342.1	1173.3	1153.6	959.1
12.5°	1729.6	1732.3	1730.7	1748.8	1734.0	1699.4	1626.0	1492.3	1304.3	1282.9	1047.8
15°	1814.5	1816.7	1824.9	1864.4	1872.6	1865.5	1791.0	1639.7	1433.6	1403.0	1139.4
17.5°	1838.6	1843.0	1862.8	1926.3	1970.7	2000.3	1945.0	1789.9	1560.8	1527.4	1232.5
20°	1871.0	1875.9	1895.6	1961.9	2027.2	2094.6	2084.7	1942.2	1689.0	1661.6	1326.8
22.5°	2020.6	2016.7	2008.0	2039.8	2086.3	2170.2	2194.9	2088.5	1821.6	1795.3	1430.9
25°	2308.8	2301.7	2245.8	2216.8	2201.4	2252.4	2296.2	2221.7	1951.0	1911.5	1527.9
27.5°	2626.7	2622.9	2551.6	2482.6	2388.3	2366.4	2392.1	2337.9	2076.5	2036.5	1612.3
30°	2927.6	2916.1	2841.5	2754.9	2628.9	2534.6	2496.8	2451.9	2214.0	2172.4	1710.9
32.5°	3196.7	3181.9	3094.2	2998.3	2866.2	2754.9	2642.0	2573.0	2369.7	2321.5	1811.8
35°	3417.5	3402.7	3312.8	3210.9	3065.7	2983.5	2828.9	2704.5	2528.1	2479.3	1930.7
37.5°	3588.5	3574.8	3481.1	3380.8	3254.2	3189.0	3054.7	2852.5	2710.6	2659.6	2056.8
40°	3684.4	3674.5	3599.5	3520.0	3413.7	3357.2	3296.9	3039.4	2915.0	2864.0	2205.3
42.5°	3713.4	3706.9	3654.3	3613.2	3541.4	3498.6	3533.1	3259.1	3133.1	3088.7	2372.4
45°	3640.6	3640.6	3625.2	3646.0	3649.3	3648.8	3769.9	3507.4	3401.1	3352.3	2608.1
47.5°	3454.2	3466.3	3488.8	3591.2	3699.2	3789.6	4046.6	3838.4	3745.8	3705.8	2941.8
50°	3113.4	3146.2	3223.0	3423.0	3652.6	3882.8	4308.6	4327.8	4416.0	4345.3	3432.9
52.5°	2614.1	2609.2	2804.8	3089.8	3440.0	3886.6	4452.7	4759.6	4996.9	4948.2	3797.8
55°	2077.6	2069.4	2251.9	2644.8	3113.9	3739.8	4539.3	4957.5	5319.2	5275.3	4126.1
57.5°	1590.9	1580.5	1742.7	2097.3	2653.6	3427.9	4522.9	5193.1	5762.5	5740.1	4572.2
60°	1095.0	1082.4	1234.2	1544.3	2108.8	2951.1	4340.9	5314.2	6281.5	6289.2	5049.5
62.5°	657.6	650.5	760.7	1001.2	1516.9	2360.4	3915.1	5240.8	6694.7	6729.3	5356.4
65°	396.8	391.8	456.5	597.4	962.3	1722.5	3258.6	4865.4	6754.5	6833.9	5363.6
67.5°	288.8	289.4	308.0	363.9	561.2	1112.5	2445.3	4192.4	6443.2	6525.4	5025.4
70°	251.0	252.1	262.0	274.6	339.2	636.8	1589.8	3309.5	5523.0	5586.6	4214.9
72.5°	223.0	223.0	229.6	236.2	265.2	388.0	851.6	2313.2	4359.0	4376.0	3216.9
75°	196.2	194.6	197.8	201.1	230.2	271.3	414.3	1611.8	3219.7	3180.2	2079.2
77.5°	156.2	154.5	155.1	158.4	184.7	194.0	209.9	1006.7	1814.5	1712.6	918.5
80°	111.2	110.2	116.2	124.4	136.5	118.9	131.5	487.2	719.6	669.7	356.2
82.5°	66.3	68.5	77.8	84.4	94.3	74.5	84.9	162.8	254.8	248.3	144.7
85°	9.3	9.9	27.9	32.3	40.6	29.0	44.9	73.4	101.9	109.1	51.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	13.2	29.0	29.6	12.6
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°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	751.3	725.6	688.9	658.2	632.4	611.6	594.1	580.9	577.1	571.6	571.6
5°	778.7	732.2	666.4	619.8	593.0	577.1	566.1	560.6	557.9	554.6	553.0
7.5°	816.6	751.3	662.6	615.4	594.6	584.7	577.6	574.3	572.1	568.9	568.9
10°	868.6	779.8	674.6	630.8	614.3	604.5	596.3	590.8	585.8	580.9	579.8
12.5°	925.1	817.1	696.5	651.6	634.1	622.0	610.5	602.3	596.3	590.2	588.6
15°	987.5	855.5	720.1	671.9	650.0	633.5	619.8	607.2	599.0	590.2	589.1
17.5°	1048.9	894.4	739.8	685.6	657.6	637.4	617.6	601.2	590.8	580.9	578.2
20°	1122.4	933.3	753.5	689.4	656.0	629.1	605.6	584.7	573.2	561.7	560.1
22.5°	1189.8	969.5	760.1	683.9	643.4	611.6	584.2	561.7	549.1	537.6	535.4
25°	1255.0	1001.2	757.4	670.8	624.2	587.5	559.0	536.5	524.5	512.4	509.1
27.5°	1318.0	1022.6	746.4	650.5	600.1	560.6	533.2	513.0	502.5	492.1	487.7
30°	1379.9	1042.4	729.4	624.2	569.4	532.7	510.2	496.0	485.6	474.6	471.3
32.5°	1442.4	1056.6	703.7	593.5	538.2	508.0	494.3	483.9	472.9	462.0	458.7
35°	1505.4	1062.6	672.4	558.4	511.9	492.1	487.2	475.1	460.3	447.2	442.8
37.5°	1580.5	1068.1	633.5	523.9	488.8	484.5	483.4	465.3	447.7	429.7	424.7
40°	1670.9	1075.2	593.5	492.7	470.2	481.7	477.3	452.7	417.6	400.1	394.6
42.5°	1781.6	1088.4	551.9	464.2	456.5	471.3	466.4	422.0	398.4	388.6	385.8
45°	1944.4	1136.6	510.2	441.7	446.1	456.5	448.8	403.9	394.6	388.0	384.7
47.5°	2234.3	1210.6	474.0	424.7	437.9	443.4	413.8	399.0	391.8	383.1	379.2
50°	2535.7	1242.9	445.0	414.3	428.6	431.3	394.6	392.4	387.5	378.1	374.3
52.5°	2739.6	1238.5	427.5	410.5	420.9	410.5	385.8	385.3	382.0	371.0	366.6
55°	2969.8	1246.2	419.8	411.6	417.6	375.4	374.9	376.5	374.9	362.8	360.6
57.5°	3280.5	1269.8	416.0	415.4	415.4	358.4	364.4	366.6	363.3	357.9	356.2
60°	3579.2	1271.4	408.8	419.8	413.8	348.0	352.4	354.6	350.7	349.6	349.1
62.5°	3691.5	1192.5	392.9	416.5	407.2	336.5	339.8	340.9	337.0	339.8	339.2
65°	3524.4	1024.8	366.6	400.6	386.9	326.1	323.9	326.6	320.0	327.2	327.7
67.5°	3129.2	814.4	326.6	370.5	358.4	314.6	310.2	310.2	299.2	310.2	309.6
70°	2523.1	575.4	268.0	322.2	327.2	300.9	298.7	286.1	268.5	285.0	283.3
72.5°	1912.6	413.2	211.0	254.8	281.7	281.7	282.2	260.9	240.6	248.3	241.7
75°	1211.7	291.0	168.8	195.1	220.9	247.2	259.8	220.3	202.2	198.9	195.6
77.5°	545.8	191.3	131.5	149.6	156.7	195.1	237.3	189.6	165.0	157.8	155.6
80°	228.5	118.9	93.7	105.8	96.5	163.9	209.3	147.4	121.1	111.2	104.1
82.5°	100.3	70.7	59.7	57.0	60.3	121.7	156.2	98.1	75.6	102.5	103.6
85°	42.2	37.3	30.7	27.9	24.7	46.6	73.4	38.4	47.1	26.9	21.9
87.5°	9.9	11.0	8.2	5.5	3.3	0.5	0.0	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)