

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: P630956

Luminaire Tested: GWS-SA1E-760-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630956  
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-SA1E-760-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

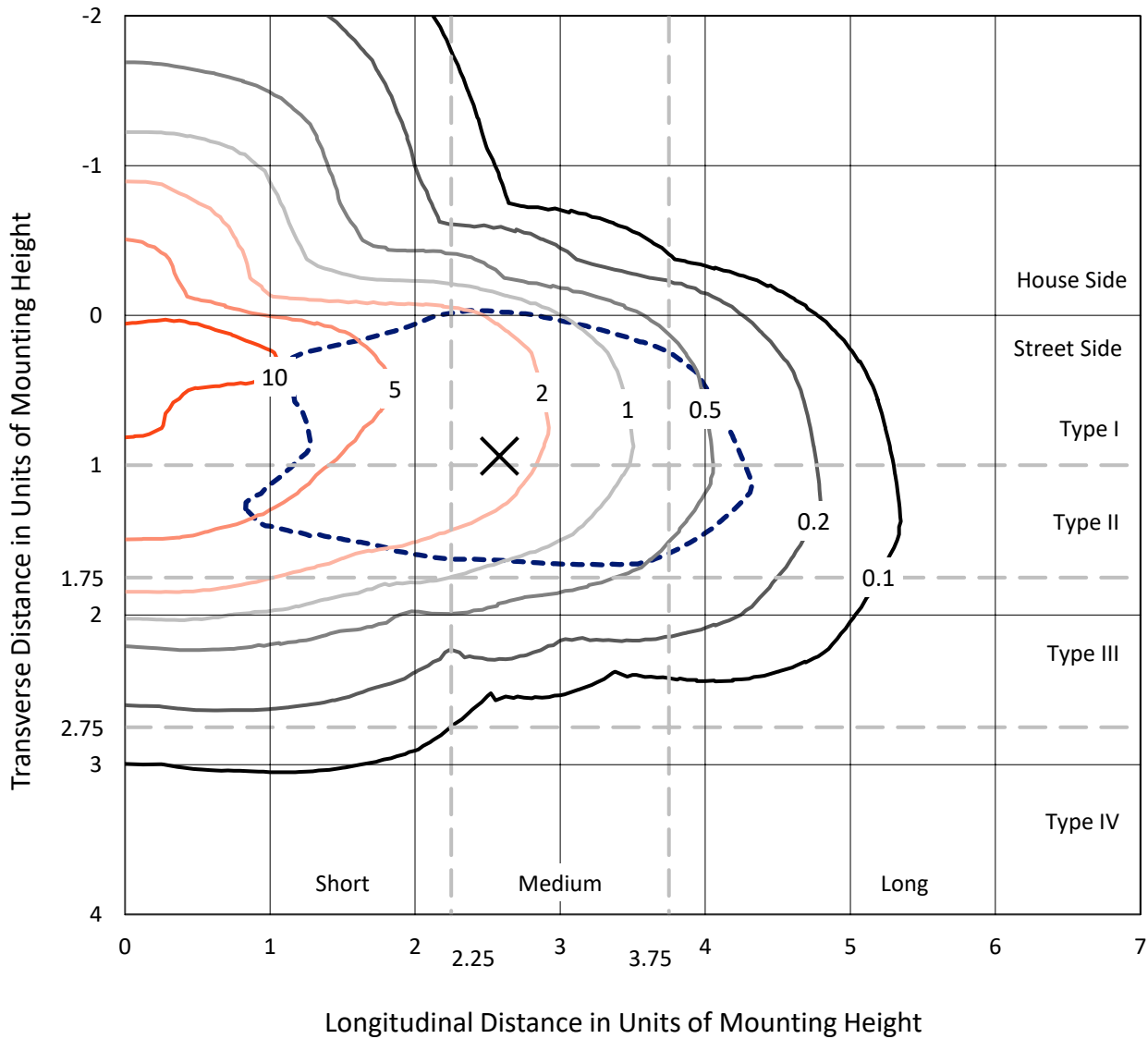
Lumens per Lamp: N/A  
Luminaire Lumens: 7585 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

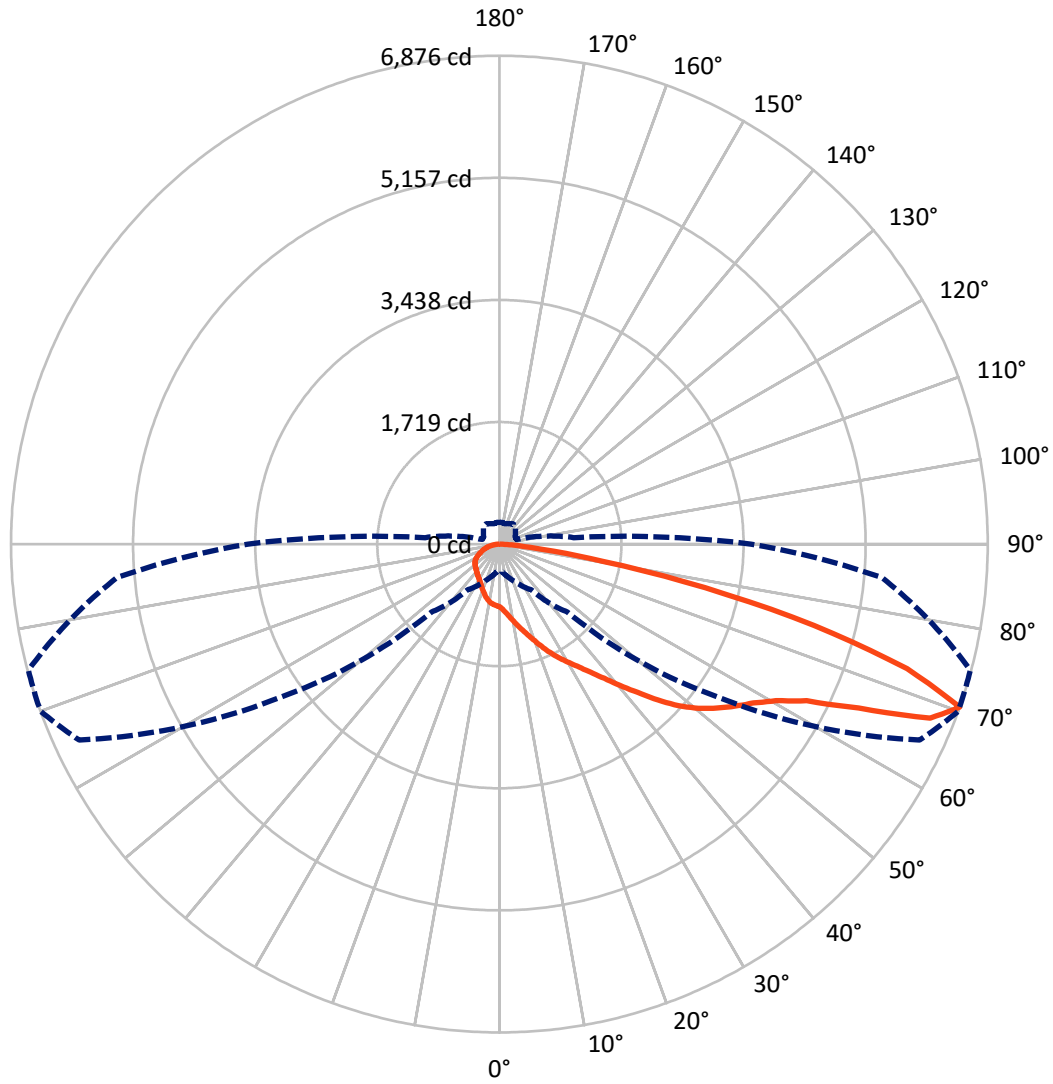
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1359.2	0.0	1359.2
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	6225.8	0.0	6225.8
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	7585.0	0.0	7585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	1.2
10°-20°	292.5	3.9
20°-30°	518.1	6.8
30°-40°	779.8	10.3
40°-50°	1179.7	15.6
50°-60°	1690.0	22.3
60°-70°	1868.1	24.6
70°-80°	1054.2	13.9
80°-90°	112.8	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°	7585.0	100.0
0°-180°	7585.0	100.0

**Coefficient of Utilization**



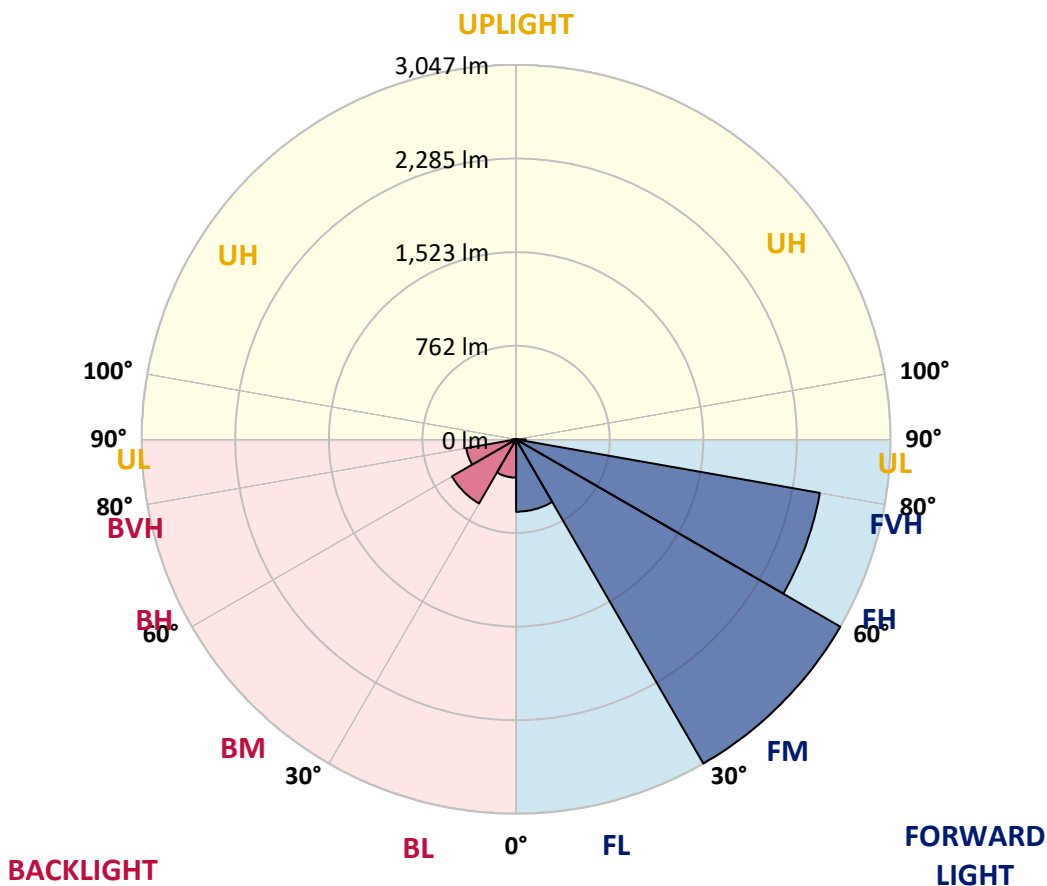
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.8	7.8			
FM (30°-60°)	3046.9	40.2			
FH (60°-80°)	2510.3	33.1			G2/5000
FVH (80°-90°)	79.7	1.1			G1/100
BL (0°-30°)	311.7	4.1	B1/500		
BM (30°-60°)	602.6	7.9	B1/1000		
BH (60°-80°)	412.0	5.4	B1/500		G1/500
BVH (80°-90°)	33.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6
2.5°	979.9	978.3	979.4	978.3	972.3	957.5	945.4	930.1	919.6	913.6	899.4
5°	1095.0	1093.4	1089.5	1084.1	1073.1	1052.8	1022.7	989.2	969.0	953.6	923.5
7.5°	1177.8	1177.8	1177.2	1170.7	1163.0	1141.6	1106.0	1062.1	1032.5	1006.2	956.9
10°	1220.0	1222.7	1226.6	1235.9	1234.2	1222.7	1189.3	1142.2	1104.9	1074.2	1000.8
12.5°	1243.0	1244.6	1251.2	1270.4	1290.1	1292.9	1273.1	1223.8	1183.3	1142.2	1049.5
15°	1272.6	1273.1	1281.9	1304.9	1334.0	1363.0	1358.1	1308.8	1267.1	1221.6	1103.8
17.5°	1295.6	1299.4	1315.3	1342.2	1378.4	1418.4	1442.5	1411.8	1360.3	1308.2	1163.0
20°	1303.8	1306.6	1327.4	1368.5	1417.8	1474.3	1528.0	1519.8	1467.7	1406.3	1229.8
22.5°	1333.4	1333.4	1348.8	1383.3	1441.4	1523.6	1610.7	1632.1	1586.1	1514.3	1301.6
25°	1398.6	1396.5	1403.6	1417.8	1461.7	1563.1	1692.4	1756.5	1705.0	1624.4	1373.4
27.5°	1488.0	1486.9	1486.3	1488.5	1503.3	1597.6	1761.5	1872.7	1821.2	1730.2	1437.6
30°	1585.0	1581.7	1588.8	1582.2	1579.0	1638.7	1820.1	1976.9	1936.8	1834.9	1490.7
32.5°	1717.1	1711.0	1709.4	1688.0	1674.9	1702.8	1867.2	2095.2	2063.4	1947.8	1550.5
35°	1891.4	1885.9	1857.9	1823.9	1785.0	1798.2	1925.9	2210.9	2213.1	2089.2	1628.8
37.5°	2067.3	2068.4	2046.5	1966.4	1926.4	1918.8	2015.2	2351.7	2398.9	2258.0	1730.2
40°	2213.6	2220.2	2220.2	2135.8	2076.0	2068.9	2140.7	2518.9	2612.6	2465.2	1858.5
42.5°	2324.9	2330.9	2350.1	2289.2	2226.2	2250.9	2293.1	2686.6	2854.8	2721.1	2020.7
45°	2447.1	2452.0	2462.4	2427.4	2390.6	2456.4	2465.7	2887.2	3132.2	3008.3	2209.2
47.5°	2609.3	2604.9	2606.0	2580.3	2551.8	2658.1	2655.9	3056.0	3400.2	3322.9	2413.7
50°	2811.0	2819.2	2811.5	2760.6	2727.1	2824.2	2836.8	3242.9	3635.8	3634.2	2619.7
52.5°	3005.0	3008.3	3048.9	3051.0	2982.5	2962.3	2995.1	3431.4	3834.8	3919.2	2817.6
55°	3014.9	3027.5	3149.2	3236.8	3347.5	3184.8	3155.2	3611.2	4027.1	4198.1	3023.1
57.5°	2805.0	2825.2	3031.9	3220.9	3529.0	3566.8	3429.2	3843.5	4219.5	4472.7	3261.0
60°	2356.7	2398.9	2679.5	2968.8	3447.3	3841.3	3989.9	4159.2	4472.2	4753.3	3549.8
62.5°	1505.0	1521.4	1914.9	2399.4	3079.5	3814.5	4600.4	4715.5	4856.9	5118.9	3994.8
65°	753.6	806.2	1036.9	1432.1	2220.7	3361.2	4909.0	5734.3	5561.2	5744.8	4716.1
67.5°	511.3	528.3	645.1	860.5	1302.2	2381.3	4717.7	6592.6	6541.6	6571.8	5485.0
70°	377.1	388.0	480.1	609.4	787.6	1352.1	3755.9	6527.9	6876.0	6865.0	5404.4
72.5°	275.1	280.6	350.2	465.3	583.7	699.3	2293.6	5273.4	6002.3	6318.6	4726.5
75°	200.0	206.6	243.3	348.0	453.8	436.3	1132.3	3809.0	4577.4	5185.7	3850.7
77.5°	149.1	157.3	174.3	218.1	317.9	312.4	489.4	2473.4	2960.6	3387.0	2339.1
80°	107.4	109.1	118.9	139.8	201.7	183.1	232.9	1289.6	1478.7	1620.1	916.9
82.5°	65.2	66.9	79.5	86.0	125.0	115.1	121.1	417.6	598.5	635.2	342.5
85°	19.2	20.3	36.2	39.5	52.1	49.3	48.8	169.9	202.8	259.2	134.8
87.5°	0.0	0.0	0.0	0.0	0.5	3.3	6.0	30.1	45.5	63.0	32.9
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°	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6	884.6
2.5°	893.9	881.3	874.7	863.2	855.0	846.8	838.5	830.9	827.6	822.6	823.7
5°	909.8	890.0	870.3	847.8	828.7	812.8	798.5	785.9	780.4	775.5	777.7
7.5°	933.9	904.3	866.5	825.4	795.2	773.3	758.5	749.7	747.0	743.2	743.2
10°	964.6	920.2	853.9	795.2	759.1	741.5	734.9	734.4	737.1	737.7	736.6
12.5°	998.6	935.5	835.2	759.6	728.9	723.4	728.4	737.7	747.0	751.9	750.8
15°	1033.6	945.4	803.5	725.6	707.0	714.1	730.0	748.6	766.7	776.1	775.5
17.5°	1066.5	947.6	762.4	692.7	687.8	705.9	733.3	762.4	787.0	800.2	800.7
20°	1103.2	943.8	720.2	663.2	668.6	698.2	734.4	769.5	798.5	811.7	815.0
22.5°	1136.7	930.6	679.0	635.2	652.2	688.9	725.6	758.5	784.3	796.9	801.3
25°	1166.8	905.4	634.1	611.6	639.6	675.8	703.7	726.7	744.8	752.5	758.5
27.5°	1183.3	867.6	600.1	593.0	627.5	657.1	672.5	679.6	685.6	683.4	687.8
30°	1186.5	820.4	570.5	578.2	609.4	631.4	634.7	627.5	617.1	600.1	604.0
32.5°	1183.3	766.2	545.9	562.3	589.2	602.3	597.9	579.3	554.1	527.8	529.4
35°	1184.4	711.4	525.6	544.8	565.6	572.7	561.8	536.0	509.1	485.0	483.9
37.5°	1196.4	665.3	508.6	527.8	542.6	543.7	531.6	504.8	491.1	473.0	470.8
40°	1229.8	631.4	493.3	510.8	520.1	519.6	505.9	486.7	496.0	490.0	488.3
42.5°	1284.7	610.5	480.6	492.7	499.3	500.4	489.4	477.4	497.6	490.0	487.2
45°	1372.9	609.4	471.9	474.6	485.0	492.7	485.0	471.3	479.0	441.7	434.6
47.5°	1477.6	628.1	465.3	458.7	476.8	490.5	478.5	456.5	440.6	406.7	401.7
50°	1603.6	665.9	459.3	441.7	464.8	482.3	470.2	440.1	416.0	397.9	395.2
52.5°	1753.2	715.8	451.6	422.6	446.7	477.9	470.2	438.4	406.7	390.2	387.5
55°	1910.0	773.3	442.8	399.5	426.4	479.0	474.1	426.9	399.5	390.8	388.6
57.5°	2104.5	842.4	426.9	372.7	408.3	469.1	458.7	420.4	394.6	387.5	385.3
60°	2357.2	944.9	396.8	345.3	387.5	451.6	445.0	409.4	381.4	375.4	373.8
62.5°	2757.3	1118.6	360.1	319.0	362.8	414.9	424.7	388.6	365.0	364.5	363.9
65°	3409.5	1327.4	316.8	295.4	337.1	384.7	397.9	367.2	348.0	354.0	353.5
67.5°	3866.6	1345.5	281.2	270.7	306.9	351.9	371.0	345.3	324.5	336.0	335.4
70°	3541.6	1049.5	250.5	245.0	274.6	316.2	342.0	317.9	297.0	308.0	305.8
72.5°	2986.9	804.6	221.4	218.1	241.7	279.0	304.7	290.5	268.5	268.5	263.6
75°	2400.5	663.7	190.7	189.1	205.0	241.1	270.2	246.1	225.8	224.7	221.4
77.5°	1376.7	435.2	160.0	158.9	163.9	201.7	209.9	205.0	189.6	182.5	180.3
80°	548.6	226.3	126.1	118.9	123.9	148.0	165.5	157.3	144.1	135.4	130.4
82.5°	212.6	113.4	88.8	77.8	84.9	106.9	120.0	117.3	108.5	88.8	83.3
85°	86.6	55.4	53.2	44.9	49.3	57.5	69.1	59.7	49.3	35.1	33.4
87.5°	23.0	20.3	19.7	12.1	9.3	2.7	0.5	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)