

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: P631891

Luminaire Tested: GWS-SA2B-750-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631891  
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-SA2B-750-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

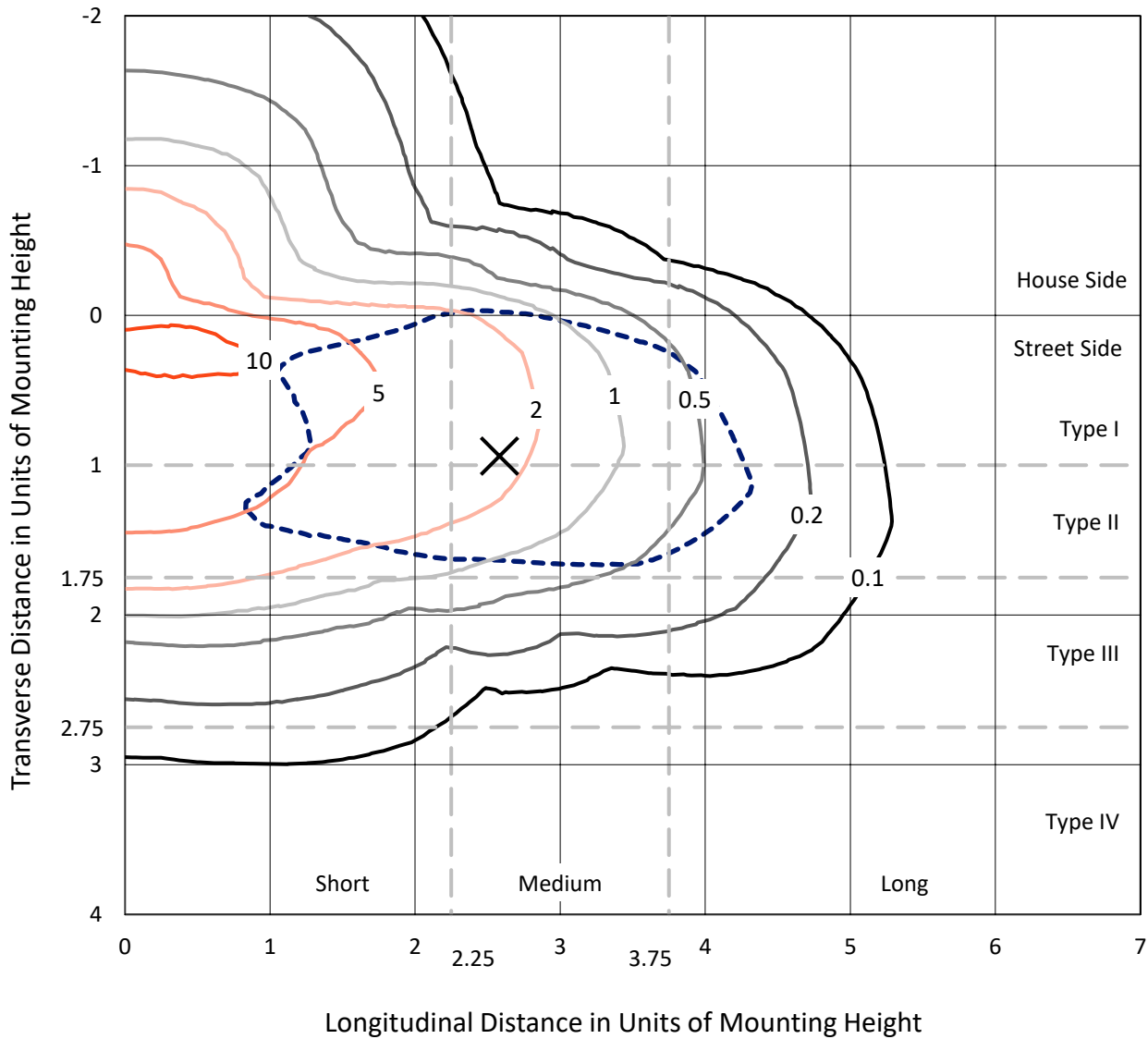
Lumens per Lamp: N/A  
Luminaire Lumens: 7003.9 lumens  
Efficiency: N/A  
Efficacy: 150.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): 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

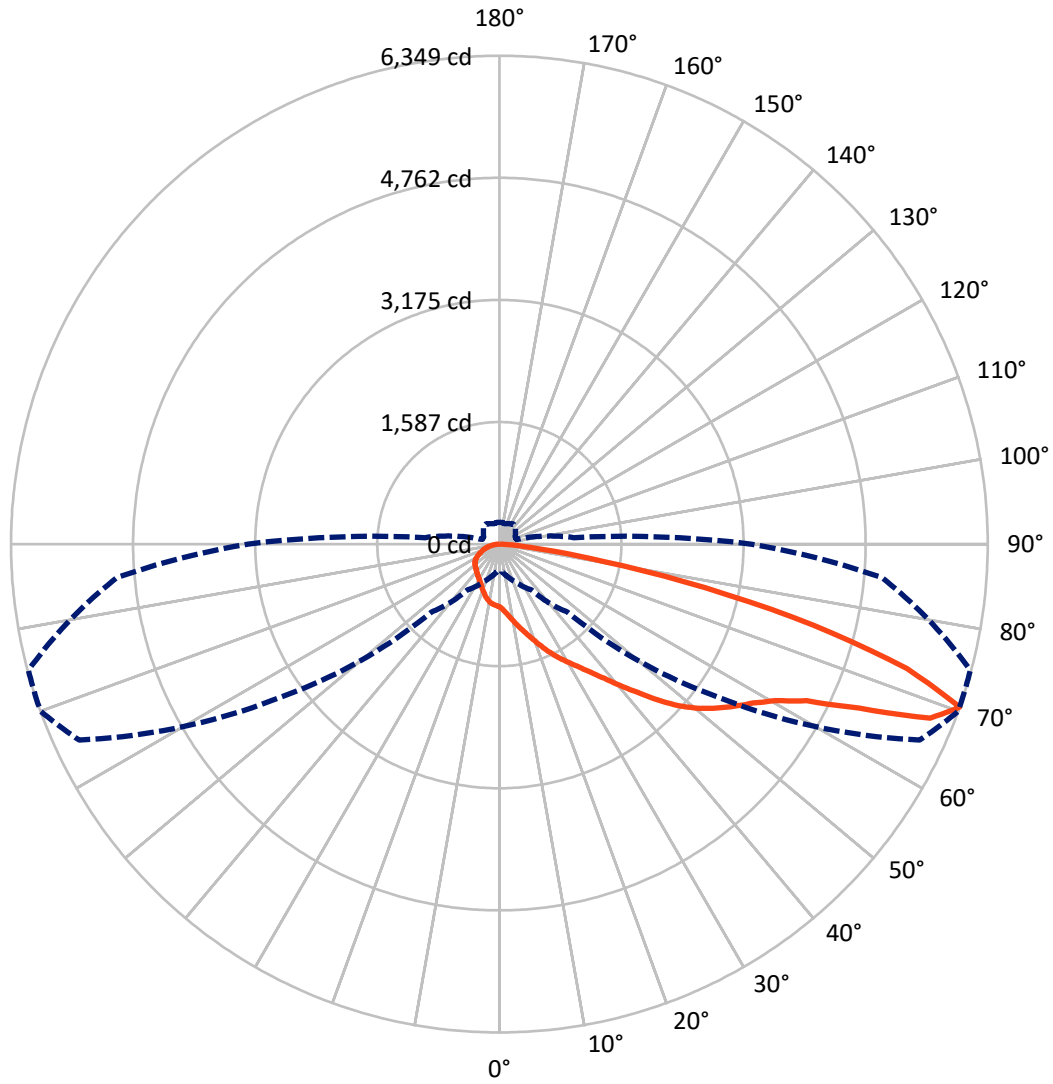
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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	1255.1	0.0	1255.1
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	5748.8	0.0	5748.8
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	7003.9	0.0	7003.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.0	1.2
10°-20°	270.1	3.9
20°-30°	478.4	6.8
30°-40°	720.0	10.3
40°-50°	1089.3	15.6
50°-60°	1560.5	22.3
60°-70°	1725.0	24.6
70°-80°	973.4	13.9
80°-90°	104.1	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°	7003.9	100.0
0°-180°	7003.9	100.0

**Coefficient of Utilization**



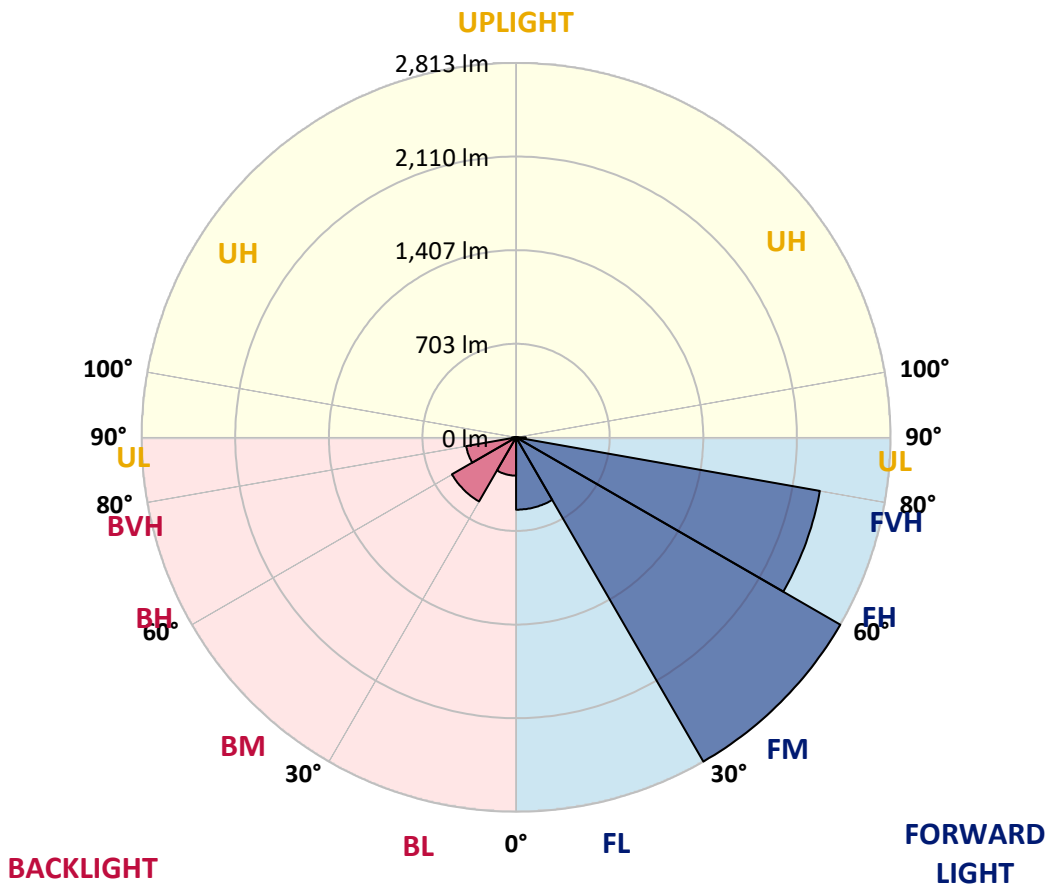
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.7	7.8			
FM (30°-60°)	2813.5	40.2			
FH (60°-80°)	2318.0	33.1			G2/5000
FVH (80°-90°)	73.6	1.1			G1/100
BL (0°-30°)	287.8	4.1	B1/500		
BM (30°-60°)	556.4	7.9	B1/1000		
BH (60°-80°)	380.4	5.4	B1/500		G1/500
BVH (80°-90°)	30.5	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°	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8
2.5°	904.9	903.3	904.4	903.3	897.8	884.1	873.0	858.8	849.2	843.6	830.5
5°	1011.1	1009.6	1006.1	1001.0	990.9	972.2	944.3	913.5	894.7	880.6	852.7
7.5°	1087.5	1087.5	1087.0	1081.0	1073.9	1054.1	1021.3	980.8	953.4	929.1	883.6
10°	1126.5	1129.0	1132.6	1141.2	1139.7	1129.0	1098.2	1054.7	1020.2	991.9	924.1
12.5°	1147.8	1149.3	1155.4	1173.1	1191.3	1193.8	1175.6	1130.1	1092.6	1054.7	969.1
15°	1175.1	1175.6	1183.7	1205.0	1231.8	1258.6	1254.0	1208.5	1170.0	1128.0	1019.2
17.5°	1196.4	1199.9	1214.6	1239.4	1272.8	1309.7	1332.0	1303.6	1256.1	1208.0	1073.9
20°	1203.9	1206.5	1225.7	1263.7	1309.2	1361.3	1410.9	1403.3	1355.3	1298.6	1135.6
22.5°	1231.3	1231.3	1245.4	1277.3	1331.0	1406.9	1487.3	1507.1	1464.6	1398.3	1201.9
25°	1291.5	1289.5	1296.0	1309.2	1349.7	1443.3	1562.7	1622.0	1574.4	1500.0	1268.2
27.5°	1374.0	1373.0	1372.5	1374.5	1388.2	1475.2	1626.5	1729.2	1681.7	1597.7	1327.4
30°	1463.6	1460.5	1467.1	1461.0	1458.0	1513.2	1680.7	1825.4	1788.5	1694.3	1376.5
32.5°	1585.5	1580.0	1578.4	1558.7	1546.6	1572.4	1724.2	1934.7	1905.4	1798.6	1431.7
35°	1746.5	1741.4	1715.6	1684.2	1648.3	1660.4	1778.3	2041.5	2043.5	1929.1	1504.0
37.5°	1908.9	1909.9	1889.7	1815.8	1778.8	1771.8	1860.8	2171.6	2215.1	2085.0	1597.7
40°	2044.0	2050.1	2050.1	1972.2	1917.0	1910.4	1976.7	2325.9	2412.4	2276.3	1716.1
42.5°	2146.8	2152.3	2170.0	2113.9	2055.7	2078.4	2117.4	2480.8	2636.1	2512.6	1865.9
45°	2259.6	2264.2	2273.8	2241.4	2207.5	2268.2	2276.8	2666.0	2892.2	2777.8	2040.0
47.5°	2409.4	2405.4	2406.4	2382.6	2356.3	2454.4	2452.4	2821.9	3139.7	3068.3	2228.7
50°	2595.6	2603.2	2596.1	2549.1	2518.2	2607.8	2619.4	2994.4	3357.3	3355.8	2419.0
52.5°	2774.8	2777.8	2815.3	2817.3	2754.0	2735.3	2765.7	3168.5	3541.0	3618.9	2601.7
55°	2783.9	2795.5	2907.9	2988.9	3091.1	2940.8	2913.5	3334.5	3718.6	3876.5	2791.5
57.5°	2590.1	2608.8	2799.6	2974.2	3258.6	3293.5	3166.5	3549.1	3896.2	4130.1	3011.1
60°	2176.1	2215.1	2474.2	2741.4	3183.2	3547.1	3684.2	3840.6	4129.5	4389.2	3277.8
62.5°	1389.7	1404.9	1768.2	2215.6	2843.6	3522.3	4248.0	4354.2	4484.8	4726.7	3688.8
65°	695.8	744.4	957.5	1322.4	2050.6	3103.7	4532.9	5295.0	5135.1	5304.6	4354.7
67.5°	472.2	487.9	595.6	794.5	1202.4	2198.9	4356.3	6087.5	6040.5	6068.3	5064.8
70°	348.2	358.3	443.3	562.8	727.2	1248.5	3468.1	6027.8	6349.2	6339.1	4990.4
72.5°	254.0	259.1	323.4	429.7	539.0	645.7	2117.9	4869.4	5542.5	5834.5	4364.4
75°	184.7	190.8	224.7	321.4	419.0	402.8	1045.5	3517.2	4226.7	4788.5	3555.7
77.5°	137.7	145.2	160.9	201.4	293.5	288.5	451.9	2283.9	2733.8	3127.5	2159.9
80°	99.2	100.7	109.8	129.0	186.2	169.0	215.1	1190.8	1365.4	1495.9	846.7
82.5°	60.2	61.7	73.4	79.5	115.4	106.3	111.8	385.6	552.6	586.5	316.3
85°	17.7	18.7	33.4	36.4	48.1	45.5	45.0	156.9	187.2	239.4	124.5
87.5°	0.0	0.0	0.0	0.0	0.5	3.0	5.6	27.8	42.0	58.2	30.4
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°	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8	816.8
2.5°	825.4	813.8	807.7	797.1	789.5	781.9	774.3	767.2	764.2	759.6	760.6
5°	840.1	821.9	803.6	782.9	765.2	750.5	737.3	725.7	720.6	716.1	718.1
7.5°	862.3	835.0	800.1	762.1	734.3	714.1	700.4	692.3	689.8	686.2	686.2
10°	890.7	849.7	788.5	734.3	700.9	684.7	678.6	678.1	680.7	681.2	680.2
12.5°	922.1	863.9	771.3	701.4	673.1	668.0	672.6	681.2	689.8	694.3	693.3
15°	954.5	873.0	741.9	670.0	652.8	659.4	674.1	691.3	708.0	716.6	716.1
17.5°	984.8	875.0	703.9	639.7	635.1	651.8	677.1	703.9	726.7	738.9	739.4
20°	1018.7	871.5	665.0	612.3	617.4	644.7	678.1	710.5	737.3	749.5	752.5
22.5°	1049.6	859.3	627.0	586.5	602.2	636.1	670.0	700.4	724.2	735.8	739.9
25°	1077.4	836.0	585.5	564.8	590.6	624.0	649.8	671.1	687.8	694.8	700.4
27.5°	1092.6	801.1	554.1	547.6	579.5	606.8	621.0	627.5	633.1	631.1	635.1
30°	1095.6	757.6	526.8	533.9	562.8	583.0	586.0	579.5	569.8	554.1	557.7
32.5°	1092.6	707.5	504.0	519.2	544.0	556.2	552.1	534.9	511.6	487.3	488.9
35°	1093.6	656.9	485.3	503.0	522.3	528.8	518.7	494.9	470.1	447.9	446.9
37.5°	1104.8	614.4	469.6	487.3	501.0	502.0	490.9	466.1	453.4	436.7	434.7
40°	1135.6	583.0	455.5	471.7	480.3	479.8	467.1	449.4	458.0	452.4	450.9
42.5°	1186.2	563.8	443.8	455.0	461.0	462.0	451.9	440.8	459.5	452.4	449.9
45°	1267.7	562.8	435.7	438.3	447.9	455.0	447.9	435.2	442.3	407.9	401.3
47.5°	1364.4	580.0	429.7	423.6	440.3	452.9	441.8	421.6	406.9	375.5	371.0
50°	1480.8	614.9	424.1	407.9	429.1	445.3	434.2	406.4	384.1	367.4	364.9
52.5°	1618.9	660.9	417.0	390.2	412.4	441.3	434.2	404.9	375.5	360.3	357.8
55°	1763.7	714.1	408.9	368.9	393.7	442.3	437.8	394.2	368.9	360.8	358.8
57.5°	1943.3	777.8	394.2	344.1	377.0	433.2	423.6	388.2	364.4	357.8	355.8
60°	2176.6	872.5	366.4	318.8	357.8	417.0	410.9	378.0	352.2	346.7	345.1
62.5°	2546.0	1032.9	332.5	294.5	335.0	383.1	392.2	358.8	337.0	336.5	336.0
65°	3148.3	1225.7	292.5	272.8	311.2	355.3	367.4	339.1	321.4	326.9	326.4
67.5°	3570.3	1242.4	259.6	250.0	283.4	324.9	342.6	318.8	299.6	310.2	309.7
70°	3270.2	969.1	231.3	226.2	253.5	292.0	315.8	293.5	274.3	284.4	282.4
72.5°	2758.1	742.9	204.5	201.4	223.2	257.6	281.4	268.2	248.0	248.0	243.4
75°	2216.6	612.9	176.1	174.6	189.3	222.7	249.5	227.2	208.5	207.5	204.5
77.5°	1271.3	401.8	147.8	146.8	151.3	186.2	193.8	189.3	175.1	168.5	166.5
80°	506.6	209.0	116.4	109.8	114.4	136.6	152.8	145.2	133.1	125.0	120.4
82.5°	196.4	104.8	82.0	71.9	78.4	98.7	110.8	108.3	100.2	82.0	76.9
85°	80.0	51.1	49.1	41.5	45.5	53.1	63.8	55.2	45.5	32.4	30.9
87.5°	21.3	18.7	18.2	11.1	8.6	2.5	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)