

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: P631119

Luminaire Tested: GWS-SA1F-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631119  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

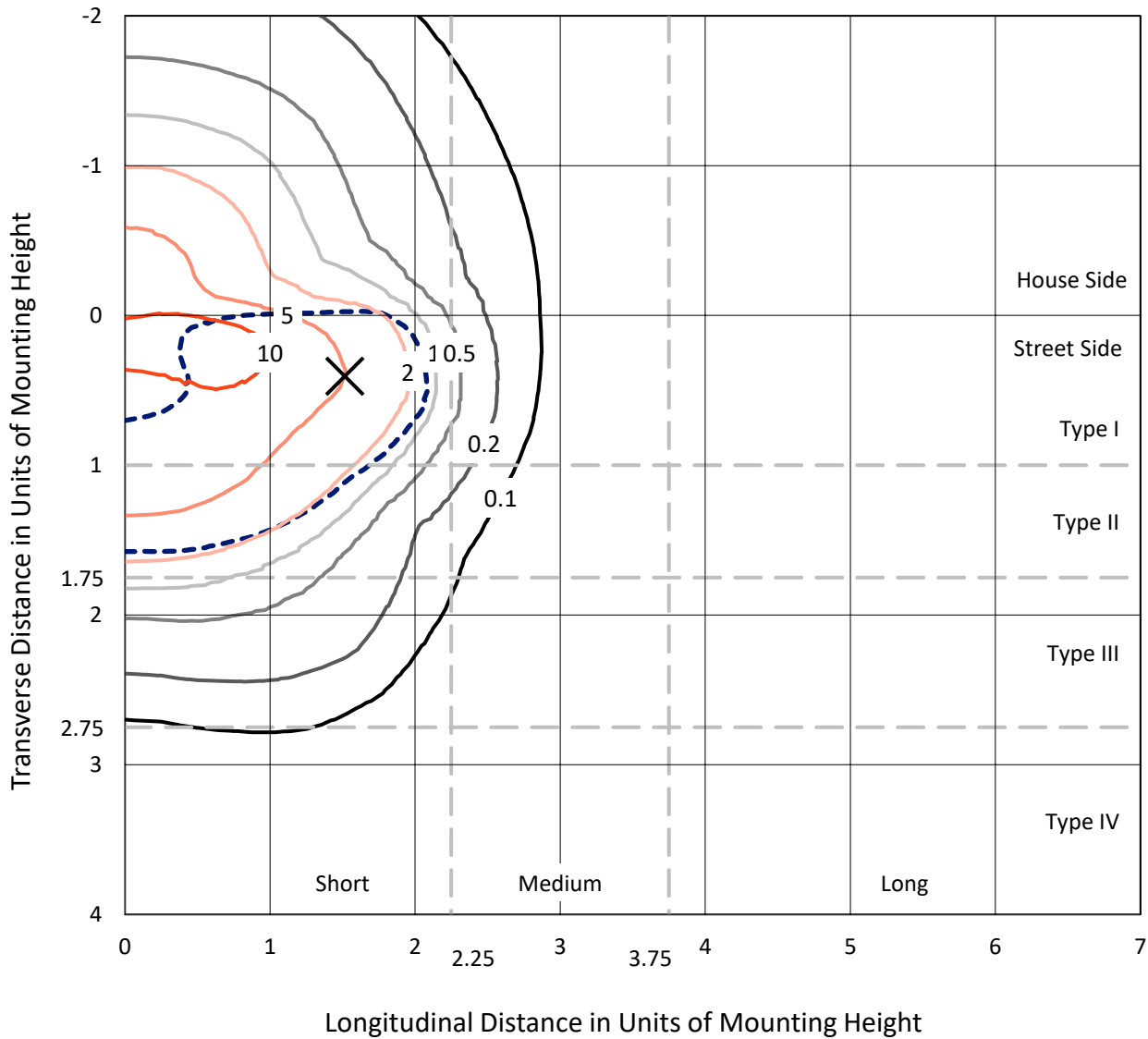
Lumens per Lamp: N/A  
Luminaire Lumens: 5173.9 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

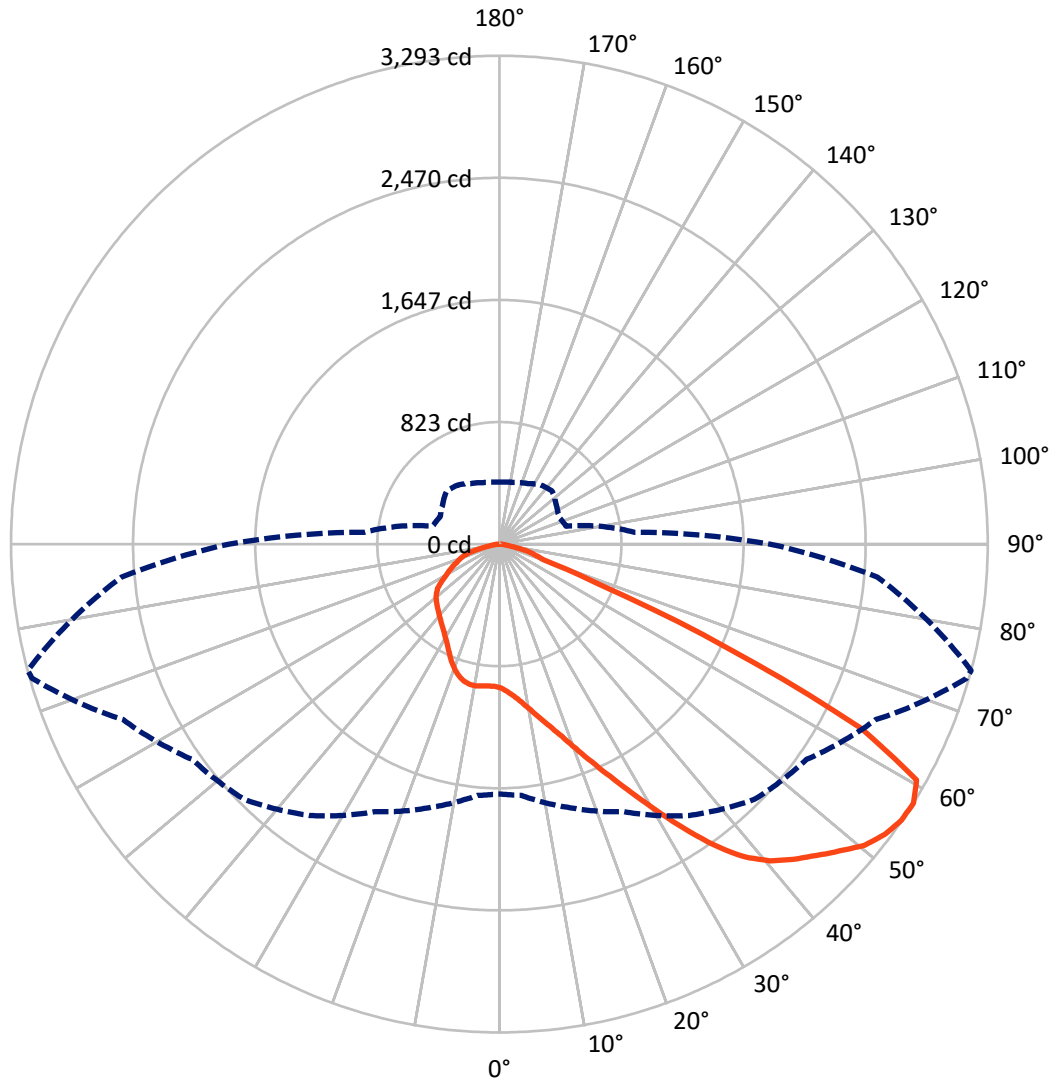
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1399.6	0.0	1399.6
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	3774.3	0.0	3774.3
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	5173.9	0.0	5173.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.0	1.9
10°-20°	308.7	6.0
20°-30°	547.5	10.6
30°-40°	838.1	16.2
40°-50°	1167.0	22.6
50°-60°	1337.1	25.8
60°-70°	687.0	13.3
70°-80°	173.0	3.3
80°-90°	18.5	0.4
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°	5173.9	100.0
0°-180°	5173.9	100.0

**Coefficient of Utilization**



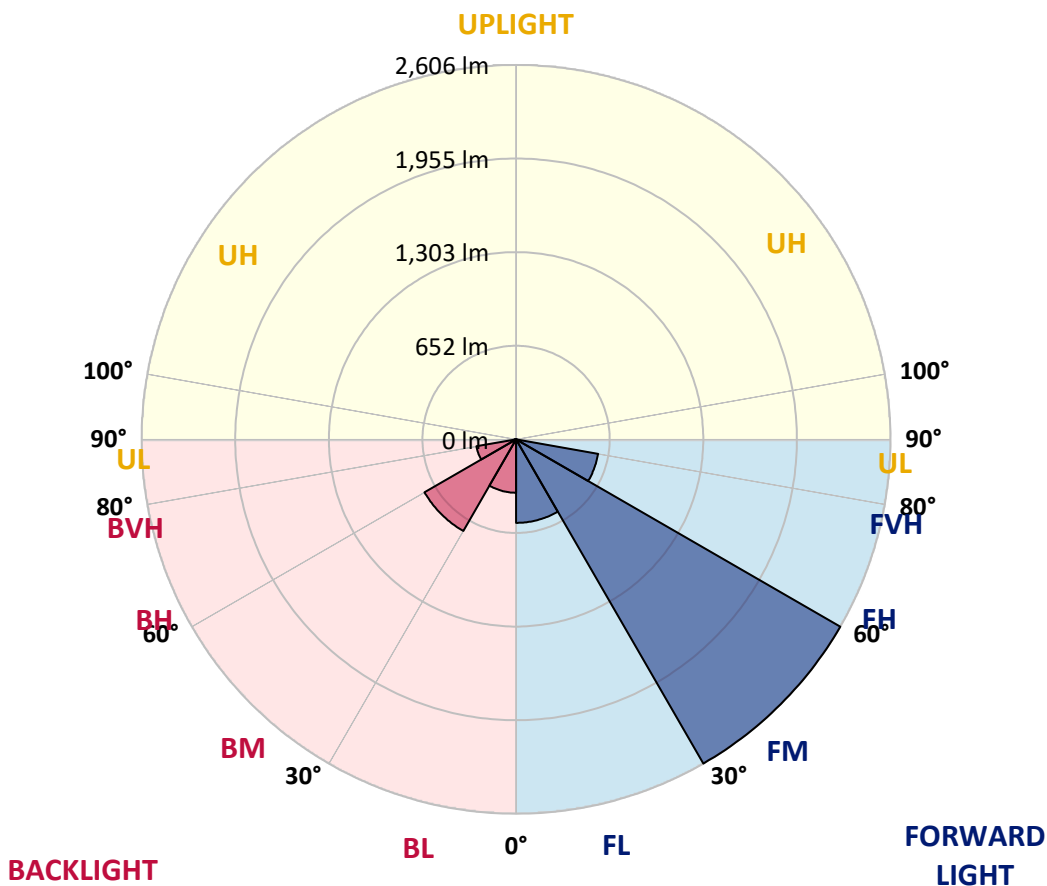
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.3	11.2			
FM (30°-60°)	2606.2	50.4			
FH (60°-80°)	579.9	11.2			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	371.8	7.2	B1/500		
BM (30°-60°)	736.1	14.2	B1/1000		
BH (60°-80°)	280.1	5.4	B1/500		G1/500
BVH (80°-90°)	11.6	0.2			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°	74°	75°	85°
0°	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9
2.5°	1041.0	1043.7	1041.0	1045.5	1036.6	1032.6	1022.8	1008.1	996.5	994.8	981.8
5°	1122.0	1127.8	1124.2	1122.4	1110.4	1101.5	1086.8	1057.5	1033.5	1029.9	1004.5
7.5°	1174.0	1178.0	1178.0	1179.4	1174.9	1164.7	1149.1	1114.4	1080.6	1075.3	1037.0
10°	1191.4	1194.5	1200.3	1211.4	1220.3	1223.4	1213.2	1179.8	1138.4	1133.1	1079.7
12.5°	1195.4	1198.9	1207.8	1228.3	1252.8	1275.0	1276.8	1252.3	1206.1	1200.3	1129.1
15°	1203.0	1206.5	1218.5	1243.9	1279.9	1322.6	1348.9	1332.0	1280.8	1274.6	1185.2
17.5°	1202.1	1206.1	1223.9	1257.7	1306.2	1368.0	1418.7	1425.8	1372.9	1362.2	1248.8
20°	1199.8	1203.4	1222.5	1263.9	1324.0	1408.9	1500.6	1537.5	1480.6	1470.8	1323.1
22.5°	1217.6	1221.6	1236.3	1270.6	1333.3	1440.5	1576.2	1665.2	1608.2	1594.4	1408.5
25°	1257.7	1263.5	1272.4	1295.9	1350.2	1468.5	1653.6	1809.8	1751.5	1735.0	1501.5
27.5°	1319.5	1326.6	1339.1	1350.2	1388.0	1504.1	1730.6	1971.7	1913.4	1896.1	1599.8
30°	1395.1	1404.5	1420.5	1428.1	1453.9	1556.6	1814.2	2138.5	2104.7	2080.7	1710.6
32.5°	1499.7	1512.6	1527.7	1529.9	1545.5	1636.3	1897.0	2304.0	2303.6	2286.7	1836.5
35°	1635.8	1649.6	1652.7	1655.8	1663.4	1745.7	1997.1	2454.8	2513.1	2493.5	1973.5
37.5°	1784.4	1804.4	1809.3	1795.5	1806.2	1877.4	2109.6	2575.9	2695.5	2674.6	2106.1
40°	1943.2	1951.2	1964.6	1942.8	1956.1	2028.2	2219.9	2653.3	2831.7	2809.4	2210.6
42.5°	2057.1	2071.8	2091.8	2083.8	2091.4	2157.2	2297.4	2690.6	2928.6	2906.4	2285.8
45°	2180.8	2185.2	2198.1	2196.4	2200.8	2262.2	2353.0	2707.1	3015.4	2995.4	2349.9
47.5°	2288.5	2295.1	2303.6	2293.8	2284.0	2324.0	2398.3	2721.3	3115.5	3091.5	2417.0
50°	2392.1	2397.9	2408.1	2379.7	2343.2	2353.4	2420.6	2740.9	3209.4	3192.5	2470.0
52.5°	2411.2	2417.5	2465.5	2471.3	2424.6	2388.6	2459.7	2784.1	3264.5	3253.8	2489.1
55°	2170.6	2181.7	2277.3	2387.2	2502.4	2490.9	2522.5	2806.7	3286.3	3289.0	2523.4
57.5°	1684.8	1700.8	1840.5	1991.3	2233.7	2434.4	2530.5	2801.0	3278.8	3293.4	2558.5
60°	1105.1	1114.4	1279.9	1449.0	1700.3	1977.9	2264.9	2696.9	3211.6	3232.5	2549.6
62.5°	667.3	678.0	811.0	939.1	1087.3	1272.8	1536.2	2167.5	2692.0	2738.7	2042.0
65°	465.8	480.0	596.6	702.0	753.2	714.9	778.1	1210.5	1677.2	1696.8	1247.9
67.5°	337.7	347.5	443.1	568.6	625.1	504.9	384.8	536.1	730.5	737.6	514.7
70°	221.1	232.2	319.0	432.9	510.3	409.3	287.8	290.1	307.4	311.0	299.0
72.5°	121.5	128.1	197.1	287.4	301.6	244.7	224.7	241.1	253.1	253.1	256.3
75°	62.7	68.5	80.5	94.8	114.3	133.9	161.9	186.4	199.3	200.2	198.9
77.5°	32.0	34.3	43.2	46.7	51.2	59.6	77.4	99.2	110.8	115.2	114.3
80°	15.1	16.0	18.2	21.4	26.2	33.4	41.8	49.8	56.9	57.8	62.7
82.5°	8.0	8.9	9.8	11.6	14.2	17.8	24.5	29.4	33.8	34.7	38.7
85°	3.1	3.6	4.0	4.4	6.2	7.6	10.2	13.8	16.9	16.9	20.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	2.2	3.1	3.1	5.3
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°	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9	968.9
2.5°	978.7	965.8	960.0	950.7	943.1	934.7	928.0	923.1	920.0	918.2	916.5
5°	994.8	975.2	959.6	940.9	928.0	915.6	905.3	898.2	894.7	892.0	890.2
7.5°	1019.7	993.4	964.1	935.1	912.4	892.4	879.5	872.0	867.1	865.3	864.0
10°	1053.9	1017.4	968.9	923.1	889.3	867.5	858.6	855.1	855.5	854.6	854.2
12.5°	1092.6	1042.8	967.6	901.8	864.4	851.5	851.9	857.7	864.4	866.2	866.6
15°	1134.4	1067.7	954.7	874.2	844.8	846.2	857.7	871.5	884.0	888.9	889.8
17.5°	1179.8	1088.6	931.1	843.9	828.8	843.0	864.4	887.1	905.3	913.3	915.6
20°	1230.5	1106.4	897.8	814.1	813.7	837.3	868.4	898.2	921.3	932.0	933.8
22.5°	1284.4	1117.5	856.8	786.5	798.1	829.7	865.3	896.4	920.9	931.6	933.8
25°	1338.6	1121.1	811.9	761.2	782.1	817.7	850.2	875.1	898.2	907.6	909.3
27.5°	1389.4	1110.9	769.2	739.4	767.4	799.9	821.7	835.0	851.1	858.2	859.5
30°	1441.0	1090.4	733.2	722.0	751.0	775.4	785.2	786.1	792.3	792.3	793.2
32.5°	1493.0	1060.1	701.6	705.1	730.5	746.5	747.8	737.6	730.0	717.6	717.1
35°	1553.1	1029.5	675.8	686.0	706.5	716.3	712.3	692.7	674.4	654.0	653.1
37.5°	1608.7	997.9	654.0	666.4	679.3	686.4	677.1	653.5	638.4	617.5	614.4
40°	1654.5	969.4	633.1	646.0	652.2	658.4	643.3	624.2	626.4	614.8	614.4
42.5°	1681.2	941.8	613.5	623.3	627.3	631.7	618.4	604.1	616.2	607.3	607.7
45°	1700.8	917.8	595.7	599.3	609.0	615.7	603.3	587.2	589.9	555.7	547.6
47.5°	1723.0	904.4	578.8	575.2	592.6	604.1	585.0	561.9	545.9	512.1	508.9
50°	1746.6	899.5	561.0	551.2	572.1	583.2	561.0	532.1	511.2	492.9	491.1
52.5°	1754.6	899.1	538.7	522.3	543.2	558.8	540.1	510.7	485.8	468.0	467.1
55°	1786.2	912.0	510.3	482.7	502.3	534.3	520.5	478.2	458.2	450.2	449.3
57.5°	1823.1	914.2	465.3	439.5	466.7	504.5	487.1	450.7	428.9	419.1	418.2
60°	1808.0	859.5	417.3	406.6	436.4	476.5	460.5	428.9	403.5	394.2	393.3
62.5°	1377.8	606.8	382.2	378.1	404.0	436.0	432.9	399.9	375.9	369.2	368.4
65°	828.8	426.2	348.3	347.9	366.1	396.8	400.8	374.1	348.8	339.4	339.4
67.5°	409.7	326.1	310.1	307.9	319.4	341.2	358.1	336.3	315.0	306.1	304.7
70°	289.6	287.4	282.1	275.8	278.0	286.9	294.1	275.8	253.1	244.2	242.5
72.5°	250.5	250.9	247.4	242.5	240.7	234.5	228.2	214.9	201.1	191.7	192.6
75°	194.4	195.3	197.5	195.7	190.9	184.2	177.5	160.6	149.5	140.6	138.8
77.5°	113.4	117.9	125.0	123.2	124.1	114.8	112.1	95.6	85.4	79.2	77.9
80°	64.1	66.7	69.8	72.1	69.4	65.4	59.6	50.7	47.6	43.2	42.3
82.5°	38.7	41.4	42.7	44.5	43.6	38.3	33.8	28.0	25.4	23.1	22.7
85°	19.6	21.4	22.7	23.6	20.9	17.4	15.6	12.5	10.7	9.3	9.3
87.5°	4.9	5.3	6.2	5.3	4.9	2.2	1.8	0.4	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)