

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: P631137

Luminaire Tested: GWS-SA1F-722-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631137  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

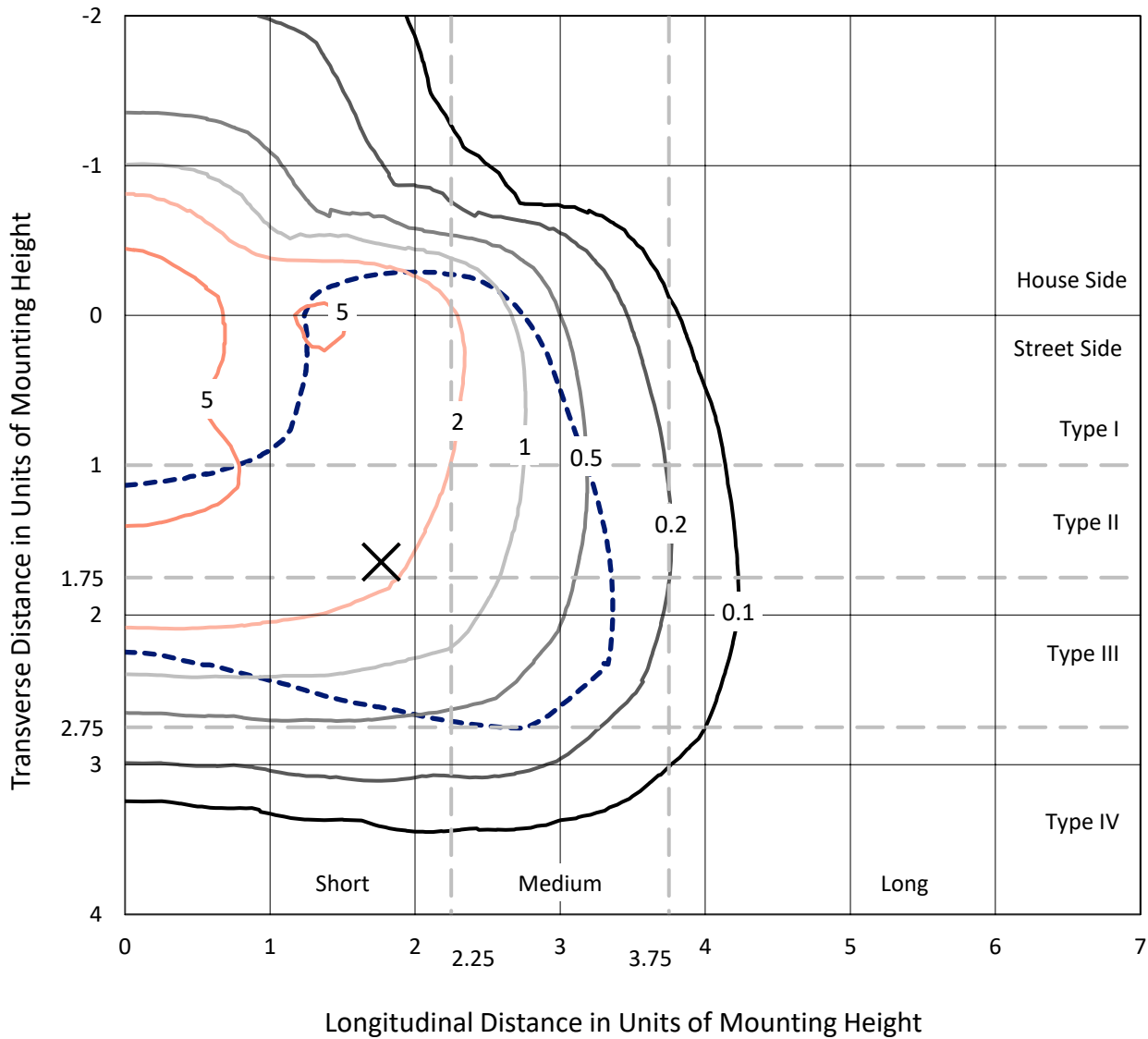
Lumens per Lamp: N/A  
Luminaire Lumens: 6152.6 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

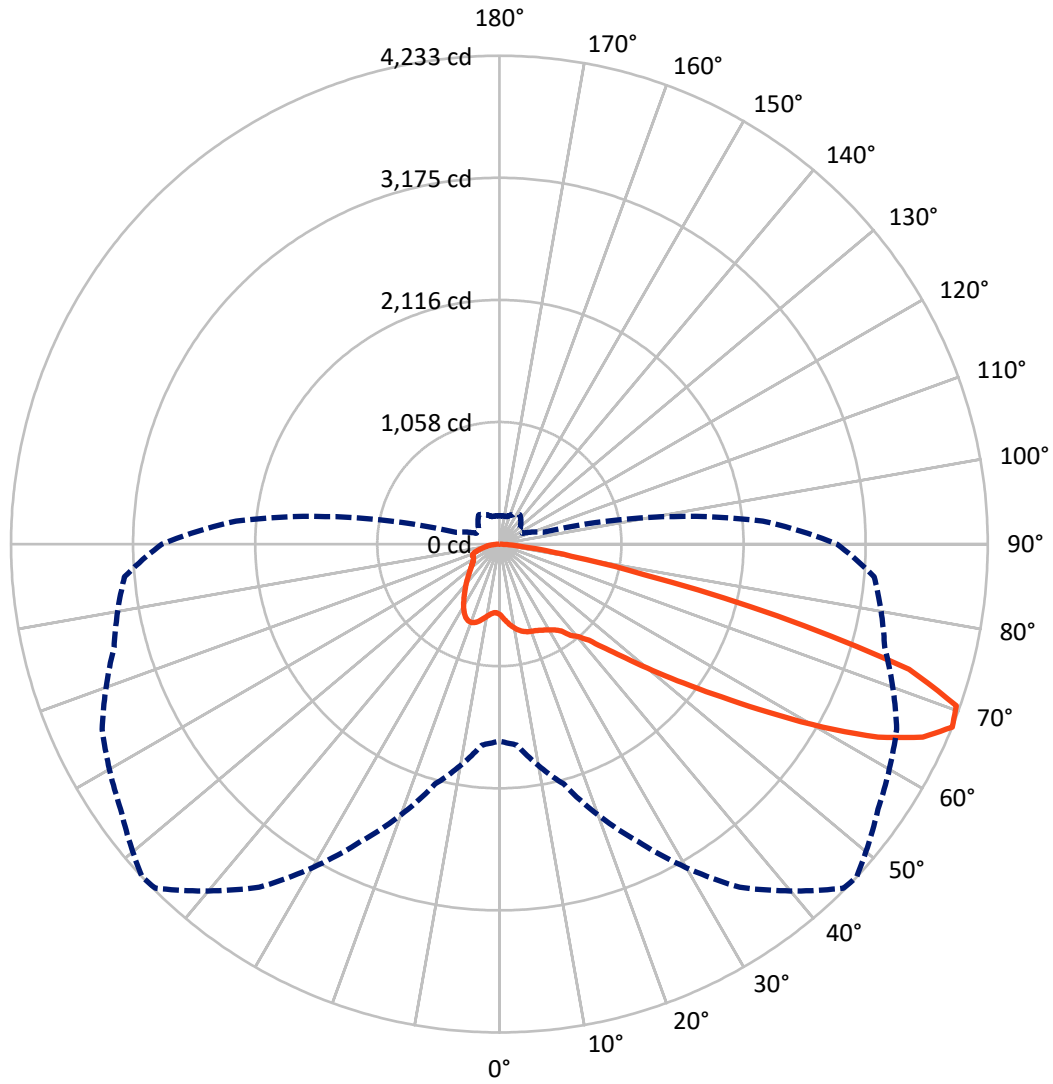
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1402.2	0.0	1402.2
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	4750.4	0.0	4750.4
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	6152.6	0.0	6152.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	1.0
10°-20°	207.7	3.4
20°-30°	353.0	5.7
30°-40°	517.1	8.4
40°-50°	787.9	12.8
50°-60°	1409.6	22.9
60°-70°	1881.0	30.6
70°-80°	850.6	13.8
80°-90°	83.3	1.4
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°	6152.6	100.0
0°-180°	6152.6	100.0

**Coefficient of Utilization**



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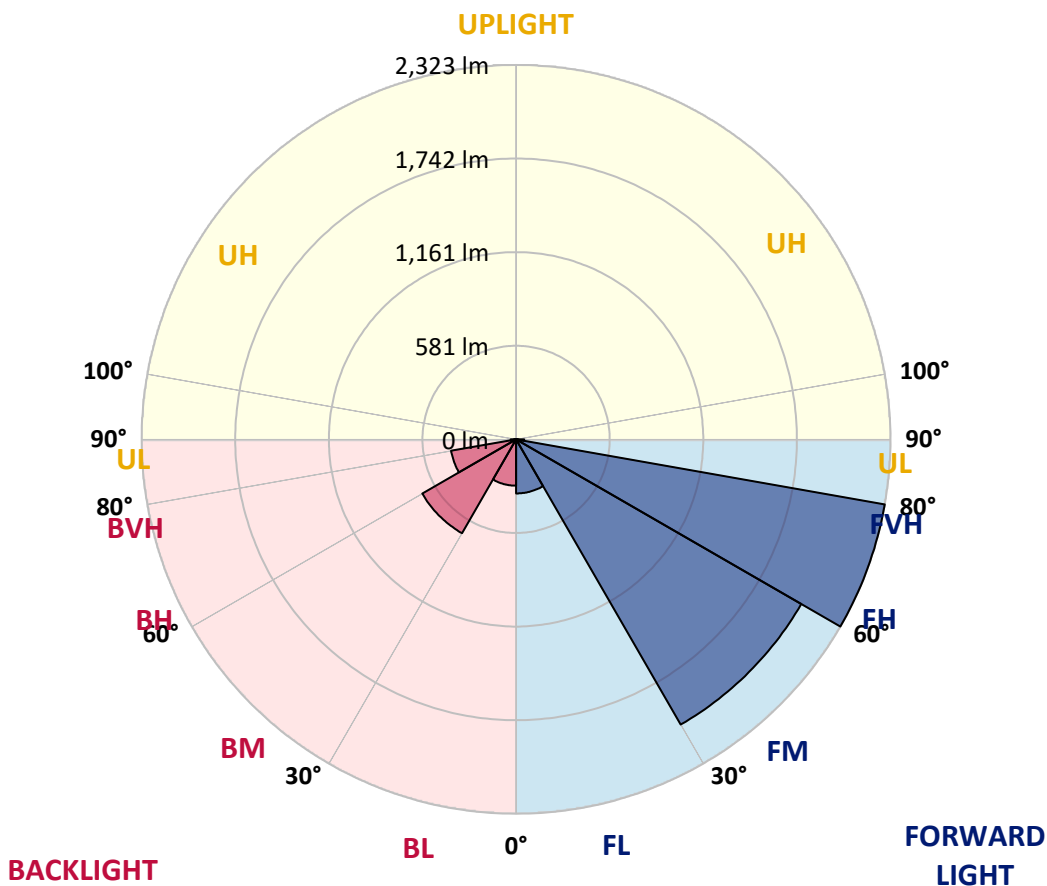
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.5	5.5			
FM (30°-60°)	2042.7	33.2			
FH (60°-80°)	2322.5	37.7			G2/5000
FVH (80°-90°)	49.6	0.8			G1/100
BL (0°-30°)	287.5	4.7	B1/500		
BM (30°-60°)	671.9	10.9	B1/1000		
BH (60°-80°)	409.1	6.6	B1/500		G1/500
BVH (80°-90°)	33.8	0.5			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9
2.5°	650.4	652.6	652.2	648.6	646.4	642.4	642.8	636.6	627.3	621.0	613.9
5°	707.8	711.3	706.9	701.1	692.2	679.3	678.0	663.7	646.0	633.5	620.6
7.5°	757.6	759.8	754.5	744.7	731.8	714.5	711.3	694.4	672.2	652.6	633.9
10°	796.3	799.0	791.9	779.0	762.1	744.7	742.5	725.1	701.6	678.4	654.8
12.5°	829.2	830.1	822.6	805.2	787.0	769.2	767.0	750.9	729.1	705.6	679.8
15°	848.4	848.8	839.5	820.3	803.0	787.4	786.1	772.3	752.3	730.0	702.5
17.5°	847.0	847.9	841.2	824.3	809.2	799.9	798.5	789.6	774.1	754.1	726.5
20°	830.6	831.5	827.0	815.9	807.9	805.2	805.7	803.0	793.6	777.2	749.2
22.5°	817.7	819.0	815.0	807.0	806.1	812.3	813.7	815.0	810.6	795.9	768.7
25°	823.9	826.1	819.9	808.8	810.6	824.3	827.0	831.5	827.9	815.4	791.9
27.5°	867.1	868.4	852.4	829.7	824.3	839.0	843.0	850.1	847.5	835.9	817.7
30°	967.1	966.3	932.0	876.4	854.2	859.9	863.0	873.3	874.2	866.6	849.3
32.5°	1108.2	1103.7	1050.8	962.3	897.7	883.5	887.1	900.9	911.1	903.1	879.5
35°	1257.2	1253.2	1194.9	1091.3	978.3	928.9	924.9	935.6	951.1	928.9	895.1
37.5°	1399.1	1392.9	1333.3	1205.2	1077.5	1008.5	1002.7	992.1	982.7	940.0	914.2
40°	1556.6	1549.5	1497.4	1352.4	1186.9	1069.5	1054.8	1012.5	1004.1	976.9	964.0
42.5°	1724.8	1724.8	1681.6	1538.8	1319.0	1156.7	1137.5	1073.9	1082.8	1065.0	1049.9
45°	1892.9	1897.8	1863.6	1726.5	1495.7	1321.3	1290.6	1200.3	1221.6	1213.6	1206.0
47.5°	2036.2	2045.5	2038.8	1918.3	1711.9	1521.5	1474.7	1380.9	1426.7	1445.8	1467.2
50°	2190.5	2200.8	2194.1	2146.5	1965.0	1763.9	1722.1	1625.1	1703.9	1761.2	1831.1
52.5°	2419.7	2434.3	2378.7	2360.5	2272.4	2039.3	2001.9	1891.6	2034.4	2129.6	2285.3
55°	2613.2	2612.7	2593.1	2635.0	2602.5	2376.1	2334.7	2234.6	2417.0	2518.0	2745.7
57.5°	2703.0	2713.7	2780.9	2899.2	2964.2	2787.6	2748.0	2645.6	2827.6	2880.1	3126.1
60°	2749.3	2762.6	2892.5	3126.5	3301.4	3236.9	3221.3	3091.0	3193.3	3187.1	3446.9
62.5°	2684.3	2711.0	2919.7	3230.6	3542.1	3688.4	3683.5	3486.4	3504.2	3443.3	3645.7
65°	2386.3	2415.2	2742.6	3178.6	3679.5	4031.9	4033.2	3844.6	3743.1	3567.9	3612.3
67.5°	1706.5	1747.9	2152.7	2844.1	3631.0	4217.4	4232.9	4006.9	3799.2	3457.5	3261.8
70°	930.2	960.5	1277.7	2067.3	3194.2	4172.9	4201.8	3928.7	3551.8	2990.9	2510.8
72.5°	422.6	432.4	594.3	1134.4	2182.1	3591.9	3712.9	3506.0	2917.0	2209.2	1596.6
75°	193.5	198.0	258.9	542.7	1140.2	2403.6	2488.6	2611.4	2029.9	1395.1	832.4
77.5°	121.4	122.8	147.3	248.2	568.5	1199.8	1289.2	1554.8	1188.7	690.4	347.9
80°	71.6	73.0	91.6	134.4	266.9	549.0	633.9	614.8	558.8	298.1	158.4
82.5°	36.0	37.4	52.9	76.5	145.5	218.4	257.1	258.5	208.2	161.5	89.4
85°	12.9	13.3	17.3	30.3	61.8	72.1	80.5	98.3	101.9	93.9	43.2
87.5°	0.0	0.0	0.4	0.9	1.8	7.1	7.6	14.2	29.8	33.4	17.3
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°	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9
2.5°	611.7	605.0	602.8	600.6	597.0	595.7	593.0	590.3	590.3	587.7	586.3
5°	614.8	605.9	600.1	597.5	595.2	596.6	596.6	597.5	600.6	598.8	599.7
7.5°	625.9	615.7	607.7	605.5	605.5	610.8	614.4	618.8	624.6	625.5	625.5
10°	645.5	633.5	625.0	623.7	625.9	633.5	638.8	644.2	651.3	651.7	652.6
12.5°	666.9	654.8	646.4	648.2	650.4	660.2	666.0	670.4	677.5	677.5	677.1
15°	689.1	675.8	668.6	672.2	678.9	690.0	690.9	691.3	694.9	694.0	693.6
17.5°	712.2	698.0	692.7	698.0	705.1	710.5	706.0	699.8	698.4	696.7	695.8
20°	734.9	720.2	718.0	722.0	724.2	719.8	706.0	694.4	689.1	686.4	685.5
22.5°	754.5	742.0	740.7	740.7	729.6	714.0	693.6	678.0	670.9	667.3	666.4
25°	777.6	766.1	763.8	751.8	723.4	694.9	667.3	653.1	647.3	645.5	646.0
27.5°	804.8	796.8	789.6	755.4	705.6	661.1	629.9	623.7	621.5	623.7	625.0
30°	838.1	830.1	814.1	750.9	677.1	617.0	587.2	586.8	593.5	599.2	600.1
32.5°	865.3	861.7	835.5	736.7	637.1	568.5	543.2	545.0	557.0	565.0	566.3
35°	886.6	892.4	853.3	713.1	589.5	522.7	502.7	503.6	510.3	521.4	521.8
37.5°	916.9	936.5	869.3	677.1	534.7	483.1	464.9	458.2	457.3	460.4	461.3
40°	977.8	1007.2	880.8	624.6	481.8	447.5	427.1	414.2	403.1	394.6	391.9
42.5°	1069.9	1103.7	887.5	561.0	434.6	412.4	389.3	372.8	353.2	335.4	329.2
45°	1239.0	1250.1	887.5	493.4	392.8	379.5	356.3	336.8	311.9	290.9	286.5
47.5°	1509.4	1473.9	888.4	428.0	355.9	350.6	330.5	308.3	280.7	263.4	260.7
50°	1916.9	1791.9	906.6	373.7	325.2	326.1	311.4	286.9	262.0	249.1	246.9
52.5°	2378.7	2183.9	955.6	333.7	299.4	306.1	298.1	274.5	252.2	241.1	238.9
55°	2812.9	2544.2	997.4	305.2	277.6	289.2	288.7	266.9	246.9	235.8	234.4
57.5°	3182.2	2791.1	991.2	282.0	258.9	273.6	280.3	262.0	243.3	234.0	232.7
60°	3411.7	2921.9	902.6	260.7	244.7	262.5	275.4	260.7	245.1	242.9	243.3
62.5°	3511.4	2897.9	732.7	244.7	235.3	257.1	280.7	270.0	261.6	266.9	270.0
65°	3356.5	2691.5	539.2	232.7	226.4	258.5	293.2	284.7	261.6	265.1	266.5
67.5°	2926.8	2291.1	389.7	220.7	215.3	262.5	311.0	282.5	246.5	246.5	243.8
70°	2109.1	1647.8	282.9	208.6	204.2	256.7	311.9	267.4	229.1	227.8	221.1
72.5°	1269.2	972.0	220.7	195.3	187.3	227.8	292.3	249.6	212.2	201.1	193.1
75°	659.3	487.1	185.1	180.6	160.6	193.1	267.4	222.0	181.5	171.7	167.3
77.5°	282.5	227.8	158.8	161.0	133.5	162.4	215.8	192.2	161.0	148.6	144.6
80°	139.2	129.5	125.5	129.0	106.8	125.5	186.0	168.2	136.6	122.3	116.6
82.5°	79.6	75.6	90.3	91.6	76.1	105.0	157.0	142.4	113.0	97.4	88.1
85°	36.9	39.6	54.7	55.2	47.2	72.1	102.8	80.1	60.1	49.8	47.6
87.5°	14.7	17.3	24.0	23.6	13.8	13.3	8.9	4.9	4.0	3.6	3.1
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)