

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: P630406

Luminaire Tested: GWS-SA1D-750-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630406  
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-SA1D-750-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

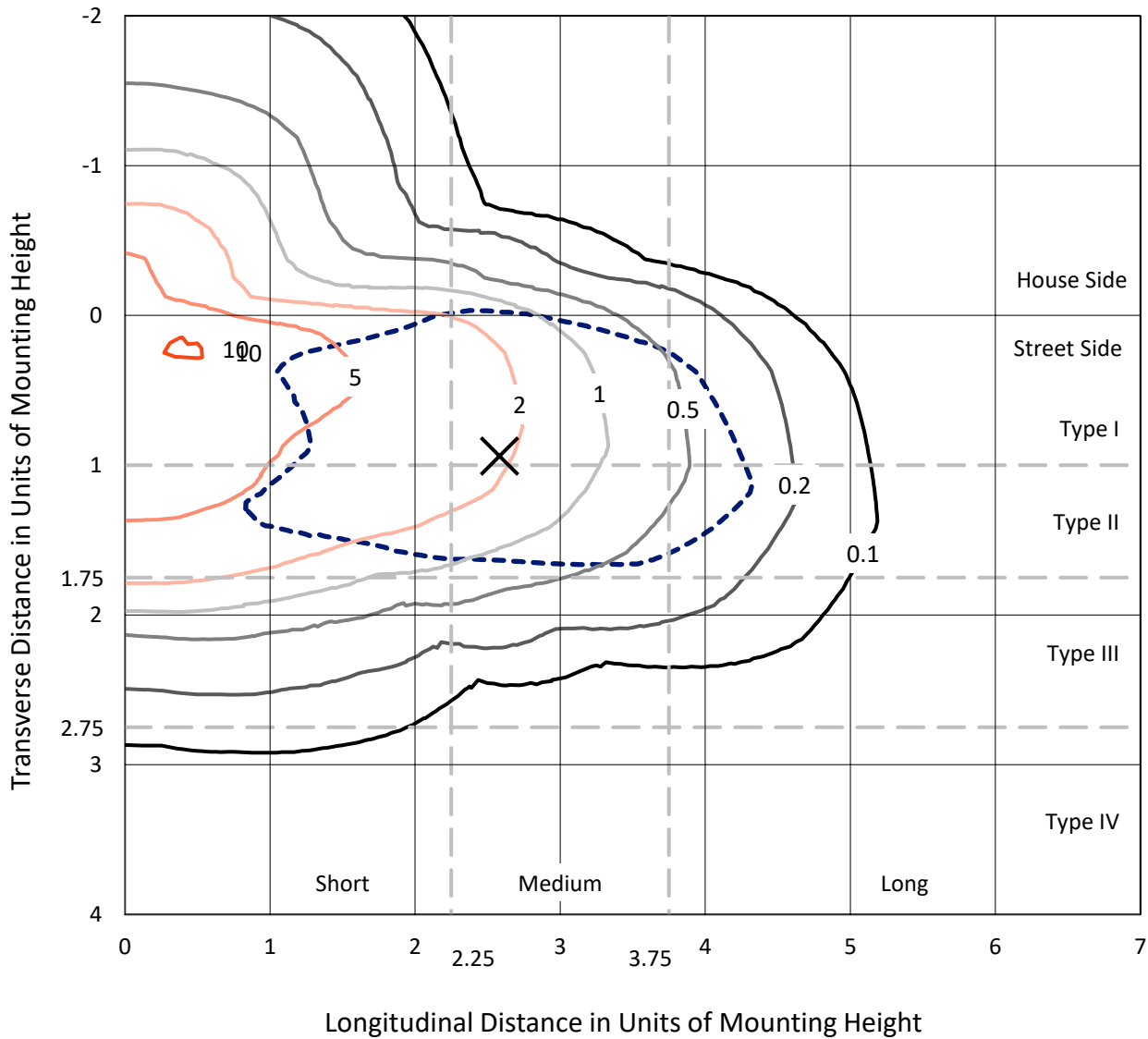
Lumens per Lamp: N/A  
Luminaire Lumens: 6154 lumens  
Efficiency: N/A  
Efficacy: 138.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

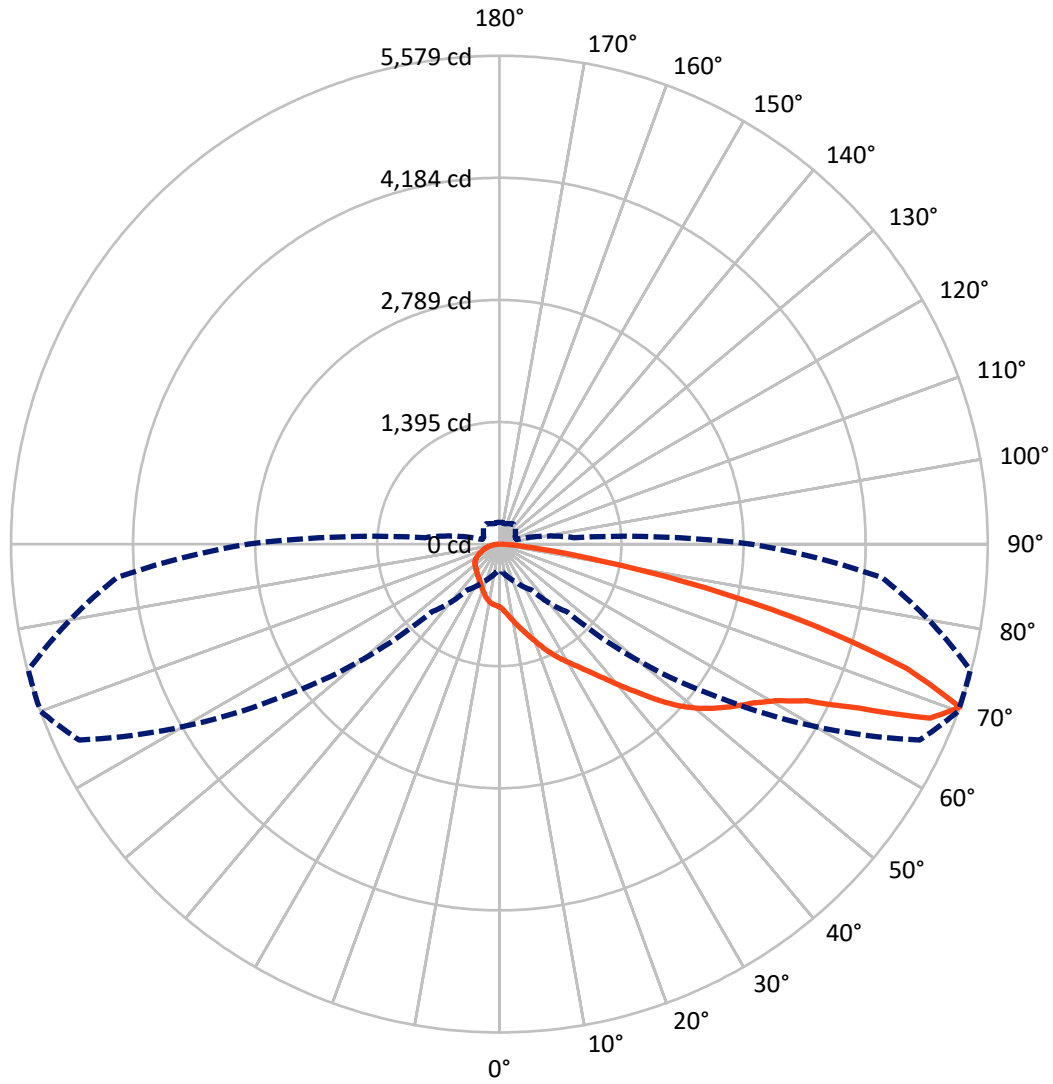
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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	1102.8	0.0	1102.8
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	5051.2	0.0	5051.2
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	6154.0	0.0	6154.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.9	1.2
10°-20°	237.3	3.9
20°-30°	420.4	6.8
30°-40°	632.7	10.3
40°-50°	957.1	15.6
50°-60°	1371.1	22.3
60°-70°	1515.7	24.6
70°-80°	855.3	13.9
80°-90°	91.5	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°	6154.0	100.0
0°-180°	6154.0	100.0

**Coefficient of Utilization**



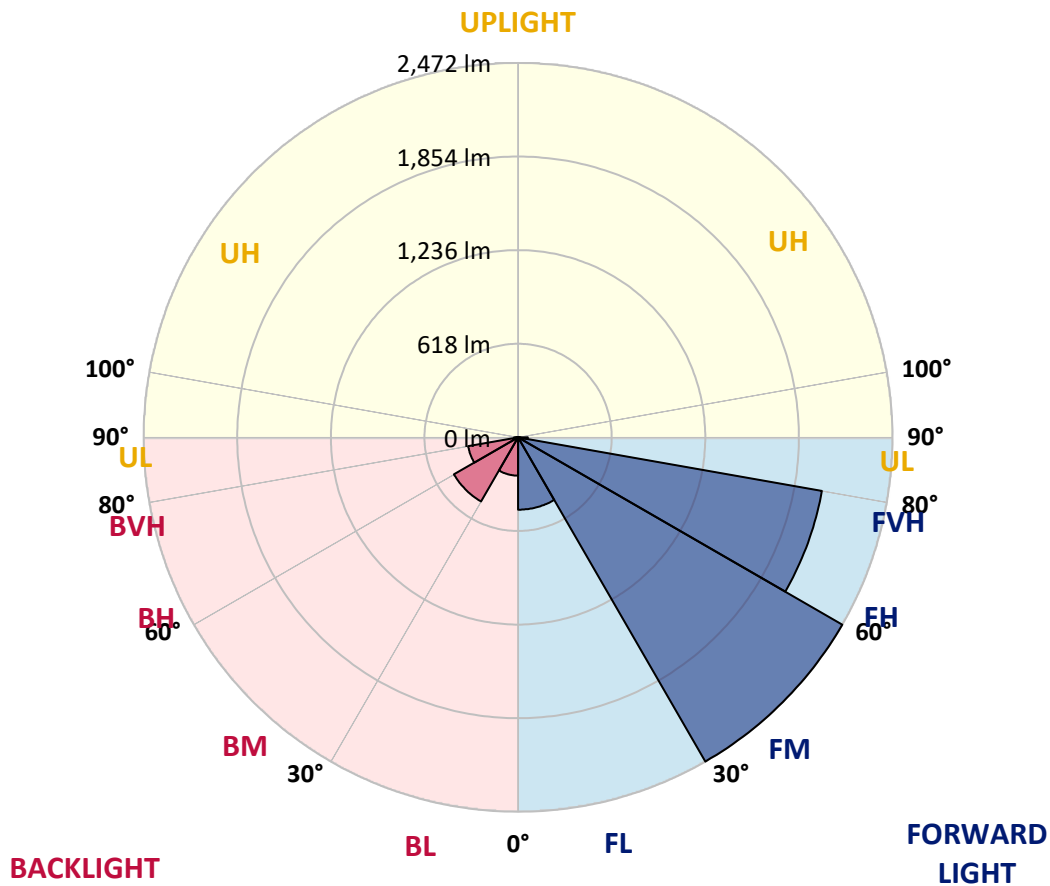
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.7	7.8			
FM (30°-60°)	2472.1	40.2			
FH (60°-80°)	2036.7	33.1			G2/5000
FVH (80°-90°)	64.7	1.1			G1/100
BL (0°-30°)	252.9	4.1	B1/500		
BM (30°-60°)	488.9	7.9	B1/1000		
BH (60°-80°)	334.3	5.4	B1/500		G1/500
BVH (80°-90°)	26.8	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°	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7
2.5°	795.1	793.7	794.6	793.7	788.8	776.8	767.0	754.6	746.1	741.3	729.7
5°	888.4	887.1	884.0	879.5	870.6	854.2	829.7	802.6	786.2	773.7	749.3
7.5°	955.6	955.6	955.1	949.8	943.6	926.2	897.3	861.8	837.7	816.4	776.4
10°	989.8	992.0	995.2	1002.7	1001.4	992.0	964.9	926.7	896.4	871.5	812.0
12.5°	1008.5	1009.8	1015.2	1030.7	1046.7	1049.0	1032.9	992.9	960.0	926.7	851.5
15°	1032.5	1032.9	1040.1	1058.7	1082.3	1105.9	1101.9	1061.9	1028.1	991.2	895.5
17.5°	1051.2	1054.3	1067.2	1089.0	1118.3	1150.8	1170.3	1145.4	1103.7	1061.4	943.6
20°	1057.8	1060.1	1077.0	1110.3	1150.3	1196.1	1239.7	1233.0	1190.8	1141.0	997.8
22.5°	1081.9	1081.9	1094.3	1122.3	1169.5	1236.2	1306.9	1324.2	1286.9	1228.6	1056.1
25°	1134.8	1133.0	1138.8	1150.3	1185.9	1268.2	1373.1	1425.1	1383.3	1318.0	1114.3
27.5°	1207.3	1206.4	1205.9	1207.7	1219.7	1296.2	1429.1	1519.4	1477.6	1403.8	1166.3
30°	1286.0	1283.3	1289.1	1283.7	1281.1	1329.5	1476.7	1603.9	1571.4	1488.7	1209.5
32.5°	1393.1	1388.2	1386.9	1369.6	1358.9	1381.6	1515.0	1699.9	1674.2	1580.3	1257.9
35°	1534.5	1530.1	1507.4	1479.8	1448.3	1458.9	1562.5	1793.8	1795.5	1695.1	1321.5
37.5°	1677.3	1678.2	1660.4	1595.4	1563.0	1556.8	1635.0	1908.0	1946.3	1832.0	1403.8
40°	1796.0	1801.3	1801.3	1732.8	1684.4	1678.6	1736.8	2043.7	2119.7	2000.1	1507.8
42.5°	1886.3	1891.1	1906.7	1857.4	1806.2	1826.2	1860.5	2179.7	2316.2	2207.7	1639.5
45°	1985.4	1989.4	1997.9	1969.4	1939.6	1993.0	2000.5	2342.5	2541.2	2440.7	1792.4
47.5°	2117.0	2113.5	2114.4	2093.5	2070.3	2156.6	2154.8	2479.4	2758.7	2696.0	1958.3
50°	2280.7	2287.3	2281.1	2239.8	2212.6	2291.3	2301.6	2631.1	2949.9	2948.6	2125.5
52.5°	2438.1	2440.7	2473.7	2475.4	2419.8	2403.4	2430.1	2784.0	3111.3	3179.8	2286.0
55°	2446.1	2456.3	2555.0	2626.2	2716.0	2583.9	2559.9	2929.9	3267.4	3406.1	2452.8
57.5°	2275.8	2292.2	2459.9	2613.3	2863.2	2893.9	2782.2	3118.4	3423.4	3628.9	2645.7
60°	1912.0	1946.3	2174.0	2408.7	2796.9	3116.6	3237.1	3374.5	3628.4	3856.6	2880.1
62.5°	1221.0	1234.4	1553.6	1946.7	2498.6	3094.8	3732.5	3825.9	3940.6	4153.1	3241.1
65°	611.4	654.1	841.3	1161.9	1801.8	2727.1	3982.8	4652.5	4512.0	4660.9	3826.3
67.5°	414.9	428.7	523.4	698.1	1056.5	1932.1	3827.6	5348.8	5307.5	5331.9	4450.2
70°	305.9	314.8	389.5	494.5	639.0	1097.0	3047.3	5296.4	5578.7	5569.8	4384.8
72.5°	223.2	227.7	284.1	377.5	473.6	567.4	1860.9	4278.5	4869.9	5126.5	3834.8
75°	162.3	167.6	197.4	282.4	368.2	354.0	918.7	3090.4	3713.8	4207.4	3124.2
77.5°	120.9	127.6	141.4	177.0	257.9	253.5	397.1	2006.8	2402.1	2748.0	1897.8
80°	87.2	88.5	96.5	113.4	163.6	148.5	189.0	1046.3	1199.7	1314.4	743.9
82.5°	52.9	54.2	64.5	69.8	101.4	93.4	98.3	338.8	485.6	515.4	277.9
85°	15.6	16.5	29.3	32.0	42.2	40.0	39.6	137.8	164.5	210.3	109.4
87.5°	0.0	0.0	0.0	0.0	0.4	2.7	4.9	24.5	36.9	51.1	26.7
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°	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7	717.7
2.5°	725.2	715.0	709.7	700.3	693.7	687.0	680.3	674.1	671.4	667.4	668.3
5°	738.1	722.1	706.1	687.9	672.3	659.4	647.9	637.6	633.2	629.2	631.0
7.5°	757.7	733.7	703.0	669.7	645.2	627.4	615.4	608.3	606.1	603.0	603.0
10°	782.6	746.6	692.8	645.2	615.9	601.6	596.3	595.8	598.1	598.5	597.6
12.5°	810.2	759.0	677.7	616.3	591.4	587.0	591.0	598.5	606.1	610.1	609.2
15°	838.6	767.0	651.9	588.7	573.6	579.4	592.3	607.4	622.1	629.6	629.2
17.5°	865.3	768.8	618.5	562.1	558.1	572.7	595.0	618.5	638.5	649.2	649.7
20°	895.1	765.7	584.3	538.0	542.5	566.5	595.8	624.3	647.9	658.5	661.2
22.5°	922.2	755.0	550.9	515.4	529.1	558.9	588.7	615.4	636.3	646.5	650.1
25°	946.7	734.6	514.5	496.2	518.9	548.3	570.9	589.6	604.3	610.5	615.4
27.5°	960.0	703.9	486.9	481.1	509.1	533.1	545.6	551.4	556.3	554.5	558.1
30°	962.7	665.7	462.9	469.1	494.5	512.3	514.9	509.1	500.7	486.9	490.0
32.5°	960.0	621.6	442.9	456.2	478.0	488.7	485.1	470.0	449.6	428.2	429.5
35°	960.9	577.2	426.4	442.0	458.9	464.7	455.8	434.9	413.1	393.5	392.6
37.5°	970.7	539.8	412.6	428.2	440.2	441.1	431.3	409.5	398.4	383.7	382.0
40°	997.8	512.3	400.2	414.4	422.0	421.5	410.4	394.9	402.4	397.5	396.2
42.5°	1042.3	495.4	390.0	399.8	405.1	406.0	397.1	387.3	403.8	397.5	395.3
45°	1113.9	494.5	382.9	385.1	393.5	399.8	393.5	382.4	388.6	358.4	352.6
47.5°	1198.8	509.6	377.5	372.2	386.9	398.0	388.2	370.4	357.5	329.9	325.9
50°	1301.1	540.3	372.6	358.4	377.1	391.3	381.5	357.1	337.5	322.8	320.6
52.5°	1422.5	580.7	366.4	342.8	362.4	387.7	381.5	355.7	329.9	316.6	314.4
55°	1549.6	627.4	359.3	324.2	345.9	388.6	384.6	346.4	324.2	317.0	315.3
57.5°	1707.5	683.4	346.4	302.4	331.3	380.6	372.2	341.1	320.2	314.4	312.6
60°	1912.5	766.6	321.9	280.1	314.4	366.4	361.1	332.2	309.5	304.6	303.3
62.5°	2237.1	907.6	292.1	258.8	294.4	336.6	344.6	315.3	296.1	295.7	295.3
65°	2766.2	1077.0	257.0	239.7	273.5	312.2	322.8	297.9	282.4	287.3	286.8
67.5°	3137.1	1091.6	228.1	219.7	249.0	285.5	301.0	280.1	263.2	272.6	272.1
70°	2873.4	851.5	203.2	198.8	222.8	256.6	277.5	257.9	241.0	249.9	248.1
72.5°	2423.4	652.8	179.6	177.0	196.1	226.3	247.2	235.7	217.9	217.9	213.9
75°	1947.6	538.5	154.7	153.4	166.3	195.7	219.2	199.7	183.2	182.3	179.6
77.5°	1117.0	353.1	129.8	129.0	133.0	163.6	170.3	166.3	153.9	148.1	146.3
80°	445.1	183.6	102.3	96.5	100.5	120.1	134.3	127.6	116.9	109.8	105.8
82.5°	172.5	92.0	72.0	63.1	68.9	86.7	97.4	95.2	88.0	72.0	67.6
85°	70.3	44.9	43.1	36.5	40.0	46.7	56.0	48.5	40.0	28.5	27.1
87.5°	18.7	16.5	16.0	9.8	7.6	2.2	0.4	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)