

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: P629925

Luminaire Tested: GWS-SA1C-750-U-T4FT-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629925  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-T4FT-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

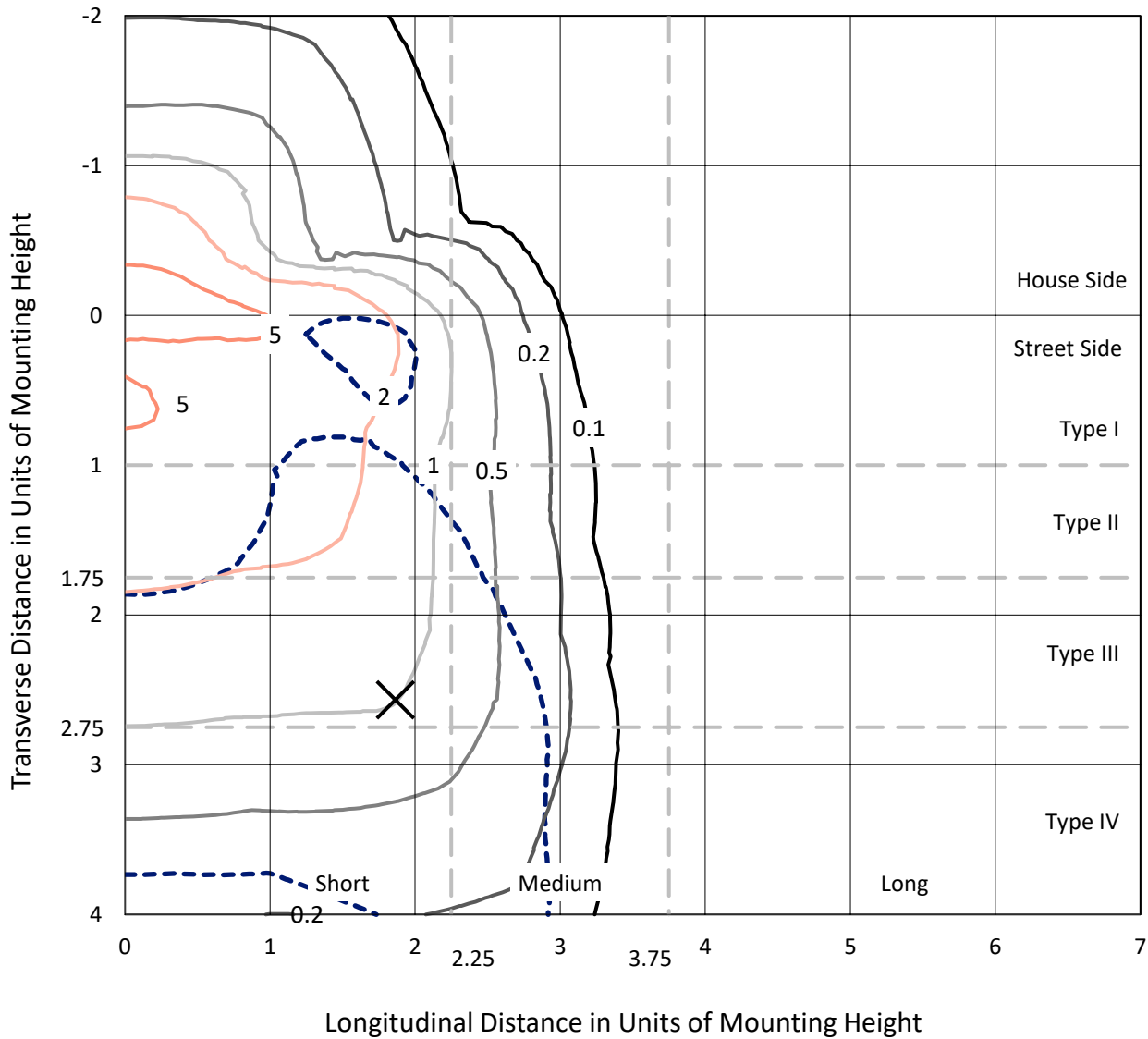
Lumens per Lamp: N/A  
Luminaire Lumens: 4749.1 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

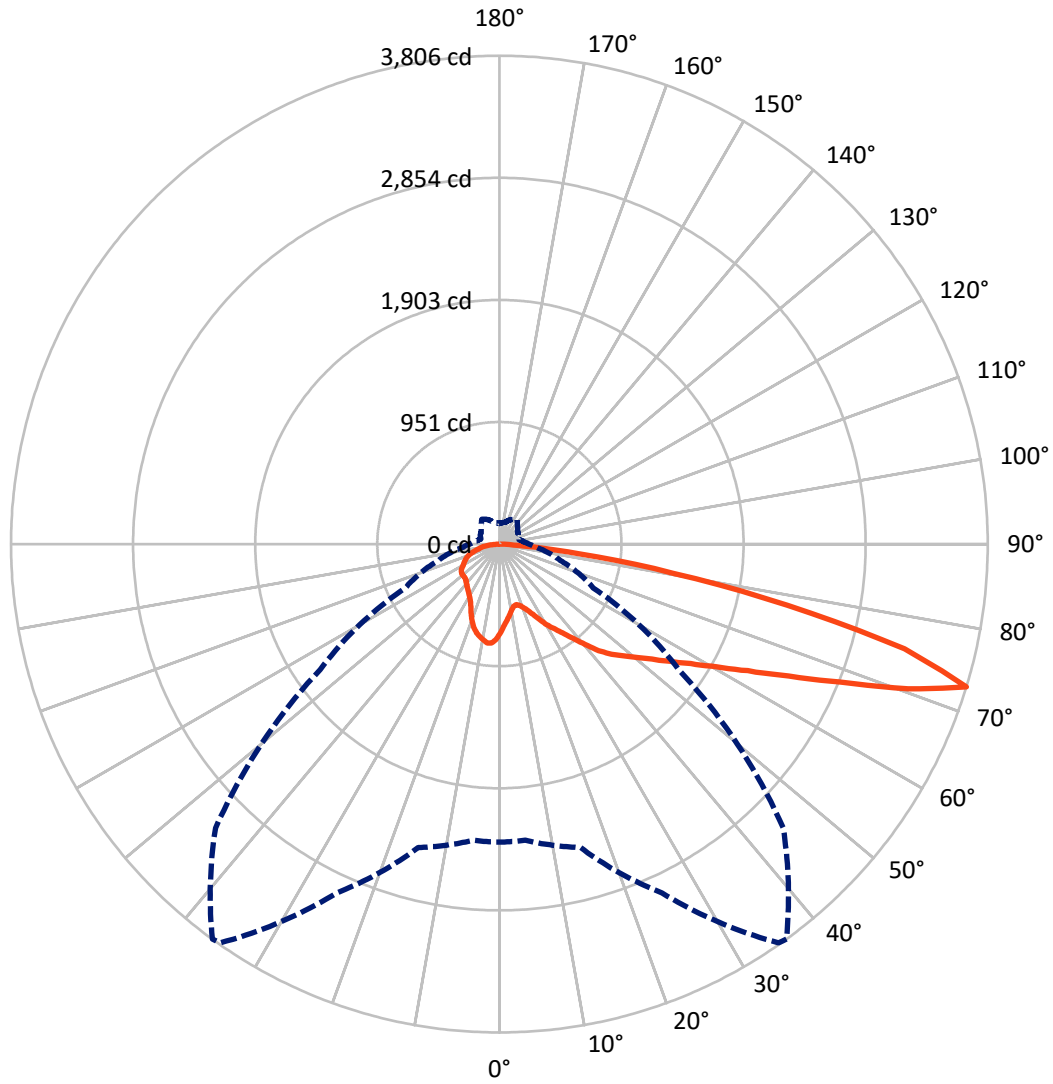
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1094.9	0.0	1094.9
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	3654.2	0.0	3654.2
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	4749.1	0.0	4749.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	1.4
10°-20°	183.3	3.9
20°-30°	303.6	6.4
30°-40°	454.6	9.6
40°-50°	663.3	14.0
50°-60°	944.0	19.9
60°-70°	1192.7	25.1
70°-80°	849.9	17.9
80°-90°	92.8	2.0
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°	4749.1	100.0
0°-180°	4749.1	100.0

**Coefficient of Utilization**



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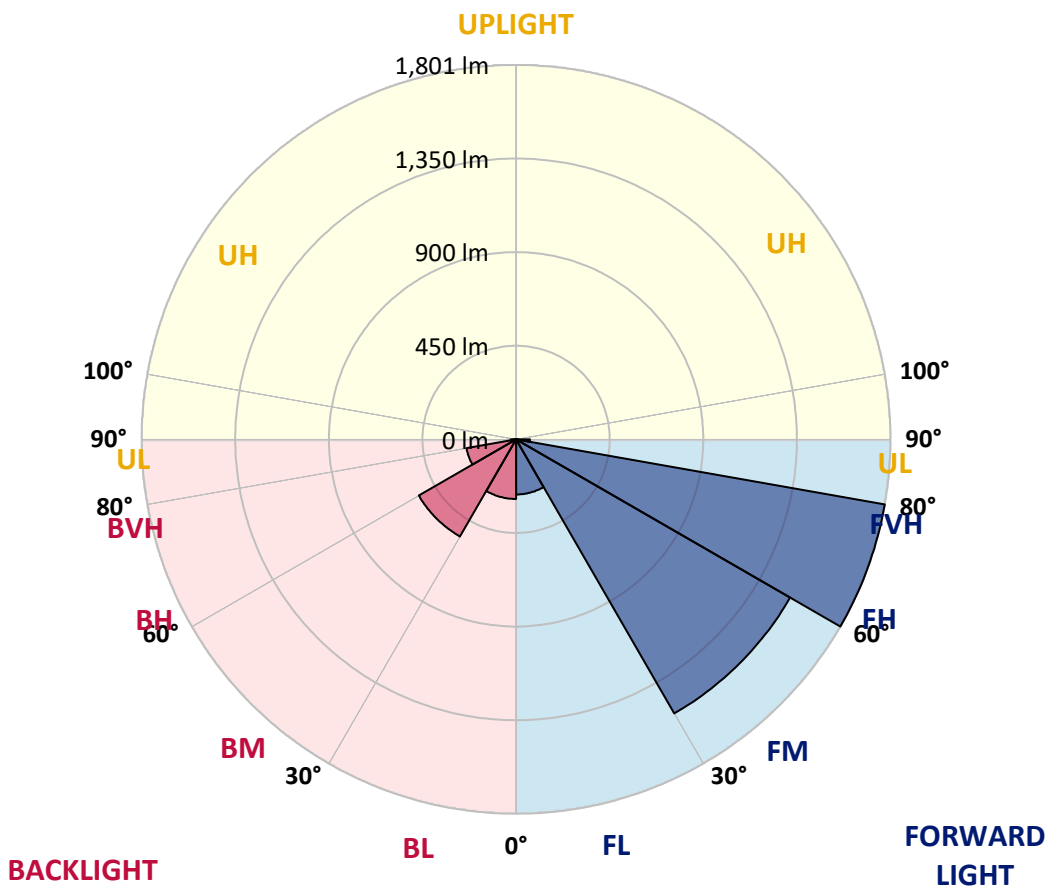
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.1	5.6			
FM (30°-60°)	1522.0	32.0			
FH (60°-80°)	1800.5	37.9			G2/5000
FVH (80°-90°)	66.6	1.4			G1/100
BL (0°-30°)	286.7	6.0	B1/500		
BM (30°-60°)	539.9	11.4	B1/1000		
BH (60°-80°)	242.1	5.1	B1/500		G1/500
BVH (80°-90°)	26.2	0.6			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1
2.5°	634.1	633.0	630.9	637.2	643.6	642.9	651.7	660.2	669.3	678.8	691.5
5°	583.3	582.6	580.9	590.4	599.9	599.5	614.0	627.7	646.4	666.9	692.2
7.5°	532.6	530.8	533.3	545.3	558.6	560.1	579.8	602.4	629.5	660.2	696.1
10°	487.8	487.5	488.5	501.9	522.0	523.4	548.8	580.1	616.1	657.0	704.9
12.5°	476.2	475.5	472.6	479.3	494.5	496.6	524.5	562.9	606.9	658.7	716.9
15°	495.2	493.4	483.6	480.4	487.8	489.6	513.2	552.7	601.7	661.9	732.1
17.5°	528.0	526.9	508.2	495.2	500.1	501.6	519.2	550.9	600.2	668.3	750.7
20°	575.9	571.3	542.1	522.3	522.3	524.5	535.0	558.6	602.0	676.0	771.9
22.5°	639.4	630.2	589.0	562.2	555.1	557.9	562.5	578.0	609.4	689.1	798.3
25°	710.6	702.1	653.1	615.4	605.5	606.6	602.7	605.5	625.6	707.0	831.1
27.5°	786.3	780.7	728.5	680.6	665.1	665.1	651.3	644.7	648.2	727.5	867.8
30°	854.0	846.3	802.2	749.7	729.2	729.2	703.2	688.7	680.2	752.5	916.7
32.5°	889.6	885.0	855.8	815.6	790.6	786.7	764.1	747.2	727.5	789.5	983.0
35°	936.1	935.1	917.5	886.1	854.4	848.7	833.2	819.8	785.6	835.7	1071.1
37.5°	994.6	992.9	990.1	971.4	933.3	932.3	918.5	902.3	857.9	902.3	1177.9
40°	1060.2	1057.0	1053.5	1053.2	1030.2	1026.4	1025.3	1007.0	944.9	982.7	1289.3
42.5°	1150.4	1139.5	1106.4	1121.2	1138.1	1134.6	1148.0	1120.5	1053.5	1078.2	1394.7
45°	1261.5	1234.7	1169.1	1173.3	1216.0	1223.0	1269.6	1262.9	1173.0	1188.5	1505.7
47.5°	1328.1	1304.8	1243.8	1240.3	1293.5	1302.3	1403.5	1416.2	1301.6	1321.4	1642.8
50°	1382.7	1366.5	1316.4	1321.4	1377.8	1386.6	1536.4	1563.5	1422.9	1457.4	1802.1
52.5°	1448.6	1425.4	1386.6	1409.8	1478.9	1489.5	1684.1	1713.3	1532.1	1606.9	1967.1
55°	1485.6	1476.1	1476.8	1512.4	1599.1	1613.6	1838.8	1833.9	1632.2	1734.8	2091.1
57.5°	1570.9	1567.4	1599.8	1613.2	1739.4	1758.1	1993.5	1951.2	1723.2	1833.9	2150.7
60°	1721.4	1712.6	1740.8	1761.2	1912.8	1939.2	2166.2	2066.1	1784.9	1907.5	2130.6
62.5°	1932.9	1922.0	1923.0	1955.5	2145.1	2172.9	2358.3	2162.0	1803.9	1918.8	2003.4
65°	2195.8	2180.0	2162.0	2206.1	2453.5	2476.7	2567.3	2231.8	1758.4	1810.2	1737.6
67.5°	2473.2	2460.2	2439.0	2531.4	2852.8	2866.9	2801.7	2225.8	1614.3	1519.8	1218.8
70°	2489.4	2492.6	2592.7	2926.8	3374.1	3377.6	3023.4	2105.2	1307.3	985.1	607.3
72.5°	2322.4	2317.1	2447.5	2999.1	3793.5	3805.5	3128.1	1705.6	807.8	491.3	284.8
75°	1886.4	1895.5	2032.6	2624.1	3251.4	3262.0	2550.1	1005.6	383.8	240.4	182.2
77.5°	812.1	863.2	1133.5	1848.7	2328.7	2295.9	1314.3	407.4	204.8	171.3	139.6
80°	234.4	254.5	403.9	879.0	1395.4	1370.7	520.2	152.6	142.7	128.6	100.1
82.5°	75.8	83.9	148.0	350.0	625.3	624.6	197.4	90.2	93.4	87.4	64.5
85°	21.1	24.3	45.5	106.1	193.5	189.6	57.1	42.6	49.7	50.4	32.1
87.5°	0.0	0.0	0.4	0.7	0.7	0.7	1.4	6.3	14.5	18.3	13.0
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°	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1
2.5°	699.3	698.2	712.7	724.0	734.5	741.6	743.7	745.1	747.9	749.3	747.9
5°	704.2	709.5	733.5	751.1	765.2	773.7	774.0	773.3	775.4	773.7	772.6
7.5°	714.8	725.0	755.3	774.0	783.2	783.5	775.1	765.2	760.3	756.0	754.6
10°	728.9	744.0	777.2	789.5	786.7	773.7	755.0	739.5	730.7	724.3	722.9
12.5°	748.3	765.2	796.6	796.2	778.6	755.3	733.5	714.8	702.1	694.7	692.2
15°	766.6	788.1	810.7	794.1	766.2	738.1	709.9	684.8	667.9	656.3	654.2
17.5°	789.2	812.1	820.9	787.4	750.7	714.4	676.7	643.9	621.0	607.3	606.2
20°	815.2	835.7	825.8	775.8	730.7	683.1	632.0	595.3	570.6	557.2	558.3
22.5°	845.6	860.4	827.2	759.9	702.8	638.7	581.6	546.3	529.7	522.7	523.1
25°	878.0	887.5	824.8	738.4	660.2	584.4	529.7	513.5	512.1	510.4	511.1
27.5°	916.4	914.3	817.4	708.1	602.7	521.3	493.4	497.7	503.3	502.6	503.3
30°	967.9	947.8	807.8	666.2	534.3	468.4	471.9	483.9	491.3	492.0	494.1
32.5°	1026.7	984.8	792.7	609.1	469.1	438.8	451.9	466.3	475.1	476.9	479.7
35°	1096.9	1027.1	765.9	537.9	422.2	421.2	433.2	443.0	452.6	453.3	453.3
37.5°	1177.6	1069.4	723.2	459.3	393.3	406.0	417.3	419.4	421.9	419.8	420.8
40°	1251.6	1110.3	662.6	387.7	369.7	392.6	402.2	395.1	387.4	382.1	383.1
42.5°	1313.6	1138.1	582.3	337.7	345.8	380.7	388.1	373.6	358.5	348.6	350.0
45°	1383.4	1163.8	487.8	303.8	325.3	372.2	377.1	358.5	339.1	324.3	322.1
47.5°	1479.6	1216.3	403.9	280.2	310.9	367.6	375.7	350.3	325.0	302.8	300.3
50°	1598.4	1290.7	333.8	264.7	304.2	365.1	375.4	341.5	311.2	285.1	283.4
52.5°	1728.1	1363.3	282.0	252.7	297.5	357.7	373.6	331.7	296.8	268.6	266.5
55°	1814.5	1391.9	247.1	241.4	286.6	346.1	366.6	322.1	274.9	249.2	246.0
57.5°	1839.8	1355.2	222.8	231.2	272.5	329.9	353.2	302.1	261.5	241.1	238.6
60°	1796.1	1262.9	207.6	222.8	256.9	309.1	329.9	290.4	251.0	232.6	230.9
62.5°	1672.8	1120.5	196.0	213.9	241.1	287.3	315.1	276.3	239.3	224.9	222.4
65°	1424.6	918.9	186.5	204.8	225.9	266.5	298.9	262.2	226.6	215.7	212.9
67.5°	996.4	645.4	176.2	193.9	210.8	246.4	282.0	249.2	213.6	205.5	202.7
70°	487.1	342.2	163.9	181.2	194.6	225.9	265.1	233.3	196.3	191.7	187.9
72.5°	231.9	191.4	149.4	163.9	172.4	198.8	236.9	210.4	175.9	166.0	159.3
75°	155.4	136.0	130.4	143.5	145.6	166.7	203.0	181.5	155.1	143.8	138.2
77.5°	117.7	104.0	109.6	121.2	117.0	137.1	167.1	161.8	139.9	129.7	126.9
80°	82.8	75.8	87.1	94.1	90.9	116.7	150.5	138.5	115.3	104.0	101.9
82.5°	52.2	50.8	64.1	65.2	66.3	92.3	123.7	108.9	89.5	73.7	68.4
85°	26.1	28.9	38.4	38.4	38.1	47.6	70.5	61.3	48.3	38.4	37.4
87.5°	8.8	12.3	16.6	13.4	10.2	8.1	9.2	11.3	12.0	11.6	11.6
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)