

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: P630245

Luminaire Tested: GWS-SA1D-730-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5630.4 lumens
Efficiency: N/A
Efficacy: 127.1 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

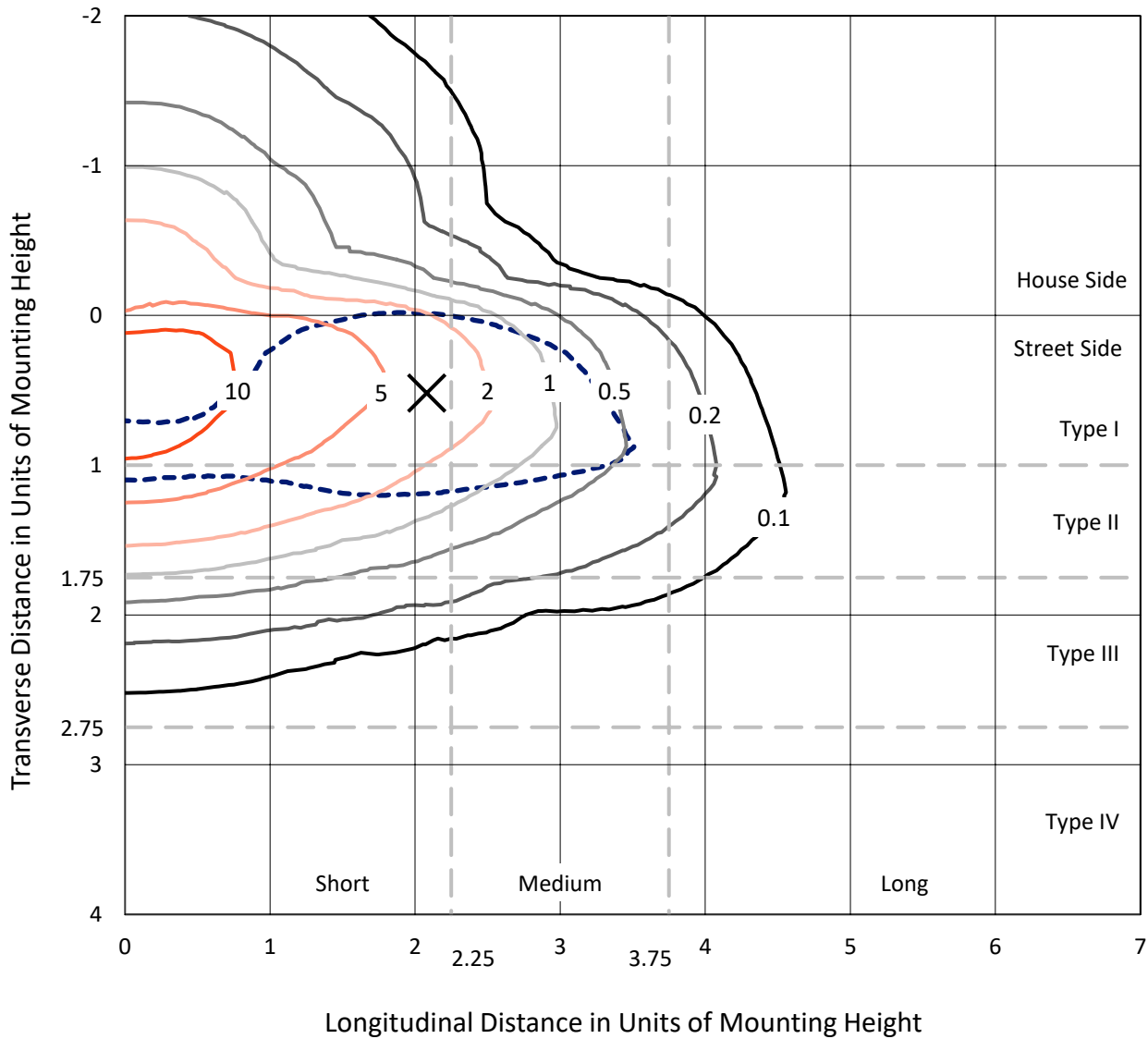
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630245
 CATALOG NUMBER: GWS-SA1D-730-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

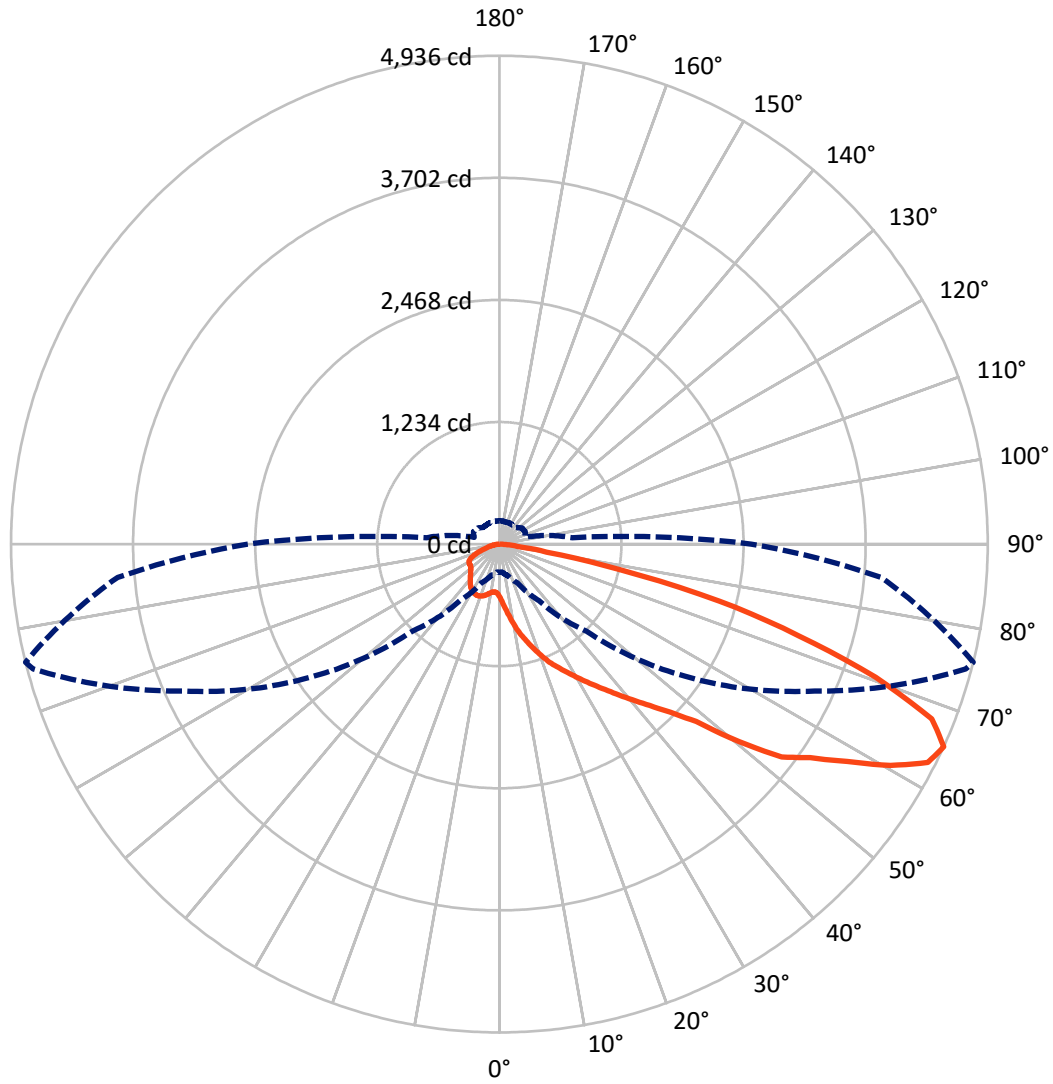
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

REPORT NUMBER: P630245
CATALOG NUMBER: GWS-SA1D-730-U-T2R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P630245

CATALOG NUMBER: GWS-SA1D-730-U-T2R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	941.1	0.0	941.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	4689.3	0.0	4689.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	5630.4	0.0	5630.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	1.1
10°-20°	241.3	4.3
20°-30°	470.2	8.4
30°-40°	786.4	14.0
40°-50°	1126.0	20.0
50°-60°	1333.0	23.7
60°-70°	1108.4	19.7
70°-80°	453.6	8.1
80°-90°	48.3	0.9
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°	5630.4	100.0
0°-180°	5630.4	100.0

Coefficient of Utilization



REPORT NUMBER: P630245

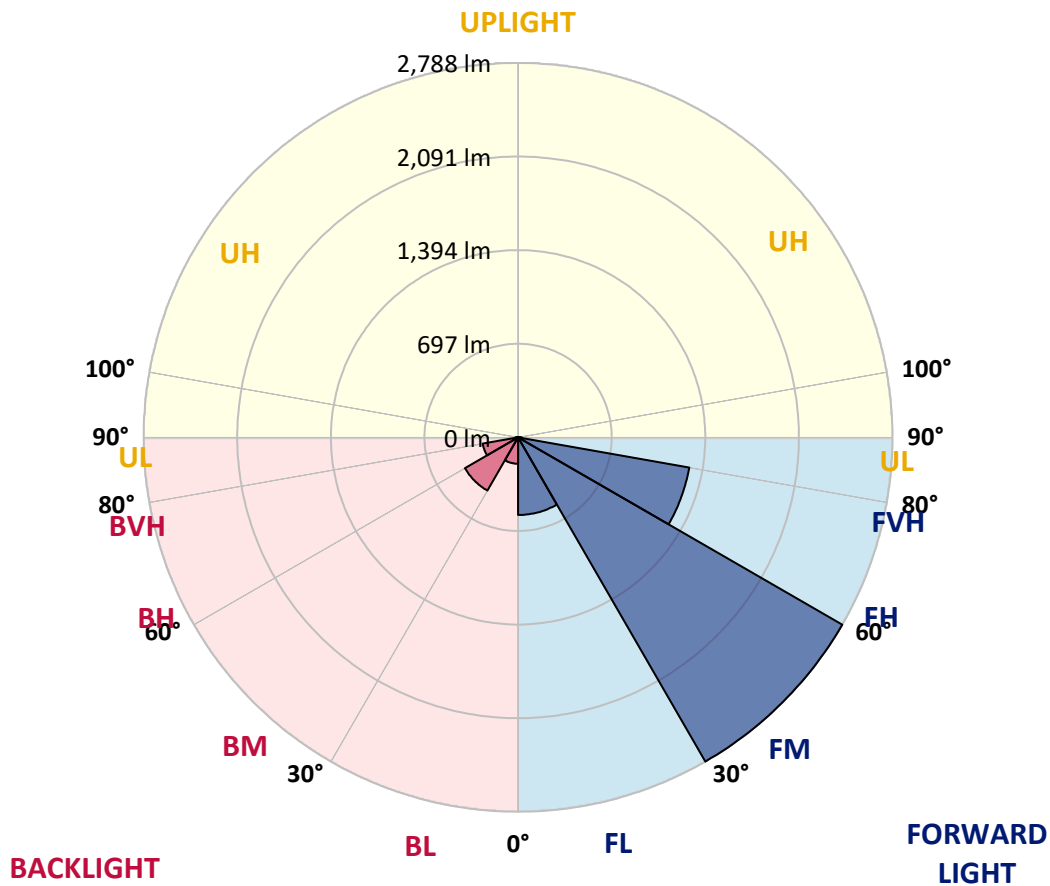
CATALOG NUMBER: GWS-SA1D-730-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.9	10.3			
FM (30°-60°)	2788.0	49.5			
FH (60°-80°)	1294.6	23.0			G1/1800
FVH (80°-90°)	28.8	0.5			G1/100
BL (0°-30°)	196.9	3.5	B1/500		
BM (30°-60°)	457.4	8.1	B1/1000		
BH (60°-80°)	267.4	4.7	B1/500		G1/500
BVH (80°-90°)	19.5	0.3			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





REPORT NUMBER: P630245
 CATALOG NUMBER: GWS-SA1D-730-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2
2.5°	747.3	750.1	741.0	737.8	716.4	687.6	663.4	627.0	593.3	588.2	558.1
5°	949.2	937.3	927.0	920.3	890.6	857.8	806.7	738.2	666.6	657.9	592.9
7.5°	1069.1	1067.1	1054.5	1050.5	1027.6	994.7	942.1	857.0	752.9	738.6	640.1
10°	1165.3	1164.1	1157.8	1161.4	1140.4	1108.3	1057.3	969.4	847.5	833.2	692.7
12.5°	1249.2	1251.2	1250.0	1263.1	1252.4	1227.5	1174.4	1077.8	942.1	926.6	756.8
15°	1310.6	1312.2	1318.1	1346.6	1352.5	1347.4	1293.6	1184.3	1035.5	1013.3	822.9
17.5°	1328.0	1331.2	1345.4	1391.3	1423.4	1444.8	1404.8	1292.8	1127.3	1103.2	890.2
20°	1351.4	1354.9	1369.2	1417.1	1464.2	1512.8	1505.7	1402.8	1219.9	1200.1	958.3
22.5°	1459.4	1456.6	1450.3	1473.3	1506.9	1567.5	1585.3	1508.5	1315.7	1296.7	1033.5
25°	1667.6	1662.5	1622.1	1601.1	1590.0	1626.8	1658.5	1604.7	1409.1	1380.6	1103.6
27.5°	1897.2	1894.4	1843.0	1793.1	1725.0	1709.2	1727.8	1688.6	1499.8	1470.9	1164.5
30°	2114.5	2106.2	2052.4	1989.8	1898.8	1830.7	1803.4	1770.9	1599.1	1569.1	1235.8
32.5°	2308.9	2298.2	2234.8	2165.6	2070.2	1989.8	1908.3	1858.4	1711.6	1676.7	1308.6
35°	2468.4	2457.7	2392.8	2319.1	2214.3	2154.9	2043.3	1953.4	1825.9	1790.7	1394.5
37.5°	2591.9	2582.0	2514.3	2441.9	2350.4	2303.3	2206.3	2060.3	1957.8	1920.9	1485.5
40°	2661.1	2654.0	2599.8	2542.4	2465.6	2424.8	2381.3	2195.3	2105.4	2068.6	1592.8
42.5°	2682.1	2677.4	2639.4	2609.7	2557.8	2527.0	2551.9	2354.0	2262.9	2230.9	1713.5
45°	2629.5	2629.5	2618.4	2633.4	2635.8	2635.4	2722.9	2533.3	2456.5	2421.3	1883.7
47.5°	2494.9	2503.6	2519.8	2593.8	2671.8	2737.1	2922.8	2772.4	2705.5	2676.6	2124.8
50°	2248.7	2272.4	2327.9	2472.3	2638.2	2804.4	3112.0	3125.8	3189.6	3138.5	2479.5
52.5°	1888.1	1884.5	2025.8	2231.7	2484.6	2807.2	3216.1	3437.8	3609.1	3573.9	2743.1
55°	1500.6	1494.6	1626.5	1910.3	2249.1	2701.1	3278.6	3580.6	3841.9	3810.2	2980.2
57.5°	1149.1	1141.6	1258.7	1514.8	1916.6	2475.9	3266.8	3750.9	4162.1	4145.9	3302.4
60°	790.9	781.8	891.4	1115.4	1523.1	2131.5	3135.3	3838.3	4537.0	4542.5	3647.1
62.5°	475.0	469.8	549.4	723.2	1095.6	1704.8	2827.8	3785.3	4835.4	4860.4	3868.8
65°	286.6	283.0	329.7	431.5	695.1	1244.1	2353.6	3514.1	4878.6	4936.0	3874.0
67.5°	208.6	209.0	222.5	262.8	405.3	803.5	1766.2	3028.1	4653.7	4713.1	3629.7
70°	181.3	182.1	189.2	198.3	245.0	460.0	1148.3	2390.4	3989.1	4035.1	3044.3
72.5°	161.1	161.1	165.9	170.6	191.6	280.2	615.1	1670.8	3148.4	3160.7	2323.5
75°	141.7	140.5	142.9	145.3	166.2	195.9	299.2	1164.1	2325.5	2297.0	1501.8
77.5°	112.8	111.6	112.0	114.4	133.4	140.1	151.6	727.1	1310.6	1237.0	663.4
80°	80.4	79.6	83.9	89.9	98.6	85.9	95.0	351.9	519.7	483.7	257.3
82.5°	47.9	49.5	56.2	61.0	68.1	53.8	61.4	117.6	184.1	179.3	104.5
85°	6.7	7.1	20.2	23.4	29.3	21.0	32.5	53.0	73.6	78.8	36.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	9.5	21.0	21.4	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630245
 CATALOG NUMBER: GWS-SA1D-730-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2
2.5°	542.7	524.1	497.6	475.4	456.8	441.7	429.1	419.6	416.8	412.8	412.8
5°	562.5	528.8	481.3	447.7	428.3	416.8	408.9	404.9	403.0	400.6	399.4
7.5°	589.8	542.7	478.6	444.5	429.5	422.3	417.2	414.8	413.2	410.9	410.9
10°	627.4	563.3	487.3	455.6	443.7	436.6	430.7	426.7	423.1	419.6	418.8
12.5°	668.2	590.2	503.1	470.6	458.0	449.3	441.0	435.0	430.7	426.3	425.1
15°	713.3	617.9	520.1	485.3	469.5	457.6	447.7	438.6	432.6	426.3	425.5
17.5°	757.6	646.0	534.4	495.2	475.0	460.3	446.1	434.2	426.7	419.6	417.6
20°	810.7	674.1	544.3	497.9	473.8	454.4	437.4	422.3	414.0	405.7	404.5
22.5°	859.3	700.2	549.0	494.0	464.7	441.7	422.0	405.7	396.6	388.3	386.7
25°	906.4	723.2	547.0	484.5	450.8	424.3	403.7	387.5	378.8	370.1	367.7
27.5°	952.0	738.6	539.1	469.8	433.4	404.9	385.1	370.5	363.0	355.5	352.3
30°	996.7	752.9	526.8	450.8	411.3	384.7	368.5	358.2	350.7	342.8	340.4
32.5°	1041.8	763.2	508.2	428.7	388.7	366.9	357.0	349.5	341.6	333.7	331.3
35°	1087.3	767.5	485.7	403.3	369.7	355.5	351.9	343.2	332.5	323.0	319.8
37.5°	1141.6	771.5	457.6	378.4	353.1	349.9	349.1	336.1	323.4	310.3	306.8
40°	1206.9	776.6	428.7	355.8	339.6	347.9	344.8	327.0	301.6	289.0	285.0
42.5°	1286.8	786.1	398.6	335.3	329.7	340.4	336.8	304.8	287.8	280.6	278.7
45°	1404.4	820.9	368.5	319.0	322.2	329.7	324.2	291.7	285.0	280.2	277.9
47.5°	1613.8	874.4	342.4	306.8	316.3	320.2	298.8	288.2	283.0	276.7	273.9
50°	1831.5	897.7	321.4	299.2	309.5	311.5	285.0	283.4	279.8	273.1	270.3
52.5°	1978.7	894.6	308.7	296.5	304.0	296.5	278.7	278.3	275.9	268.0	264.8
55°	2145.0	900.1	303.2	297.3	301.6	271.1	270.7	271.9	270.7	262.0	260.5
57.5°	2369.4	917.1	300.4	300.0	300.0	258.9	263.2	264.8	262.4	258.5	257.3
60°	2585.1	918.3	295.3	303.2	298.8	251.3	254.5	256.1	253.3	252.5	252.1
62.5°	2666.3	861.3	283.8	300.8	294.1	243.0	245.4	246.2	243.4	245.4	245.0
65°	2545.6	740.2	264.8	289.3	279.5	235.5	233.9	235.9	231.2	236.3	236.7
67.5°	2260.2	588.2	235.9	267.6	258.9	227.2	224.0	224.0	216.1	224.0	223.6
70°	1822.4	415.6	193.6	232.7	236.3	217.3	215.7	206.6	194.0	205.8	204.6
72.5°	1381.4	298.5	152.4	184.1	203.5	203.5	203.9	188.4	173.8	179.3	174.6
75°	875.2	210.2	121.9	140.9	159.5	178.5	187.6	159.1	146.1	143.7	141.3
77.5°	394.2	138.1	95.0	108.1	113.2	140.9	171.4	137.0	119.1	114.0	112.4
80°	165.1	85.9	67.7	76.4	69.7	118.4	151.2	106.5	87.5	80.4	75.2
82.5°	72.4	51.1	43.1	41.2	43.5	87.9	112.8	70.9	54.6	74.0	74.8
85°	30.5	26.9	22.2	20.2	17.8	33.6	53.0	27.7	34.0	19.4	15.8
87.5°	7.1	7.9	5.9	4.0	2.4	0.4	0.0	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)