

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: P630355

Luminaire Tested: GWS-SA1D-740-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630355
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-740-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6183.1 lumens
Efficiency: N/A
Efficacy: 139.6 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

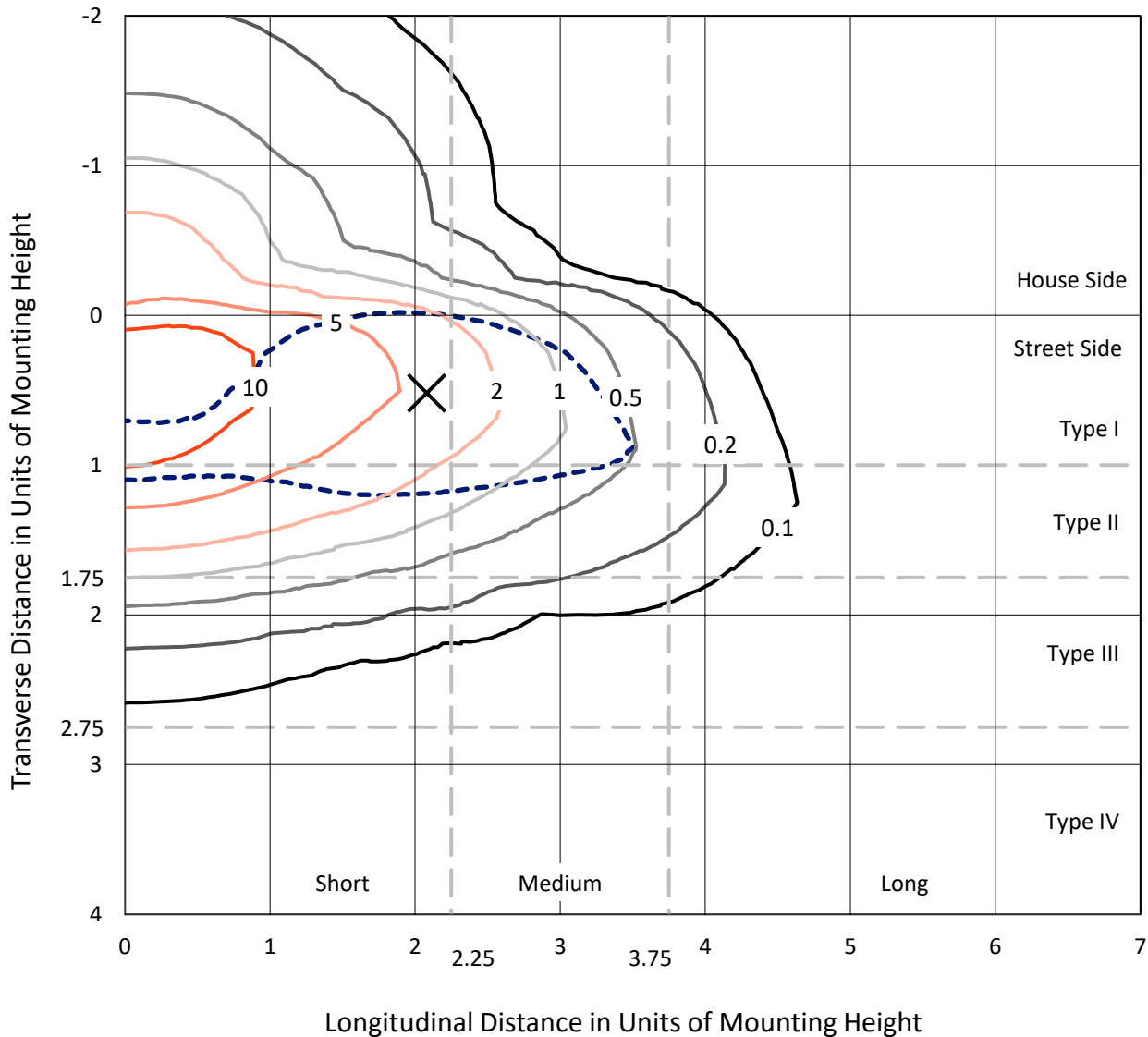
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

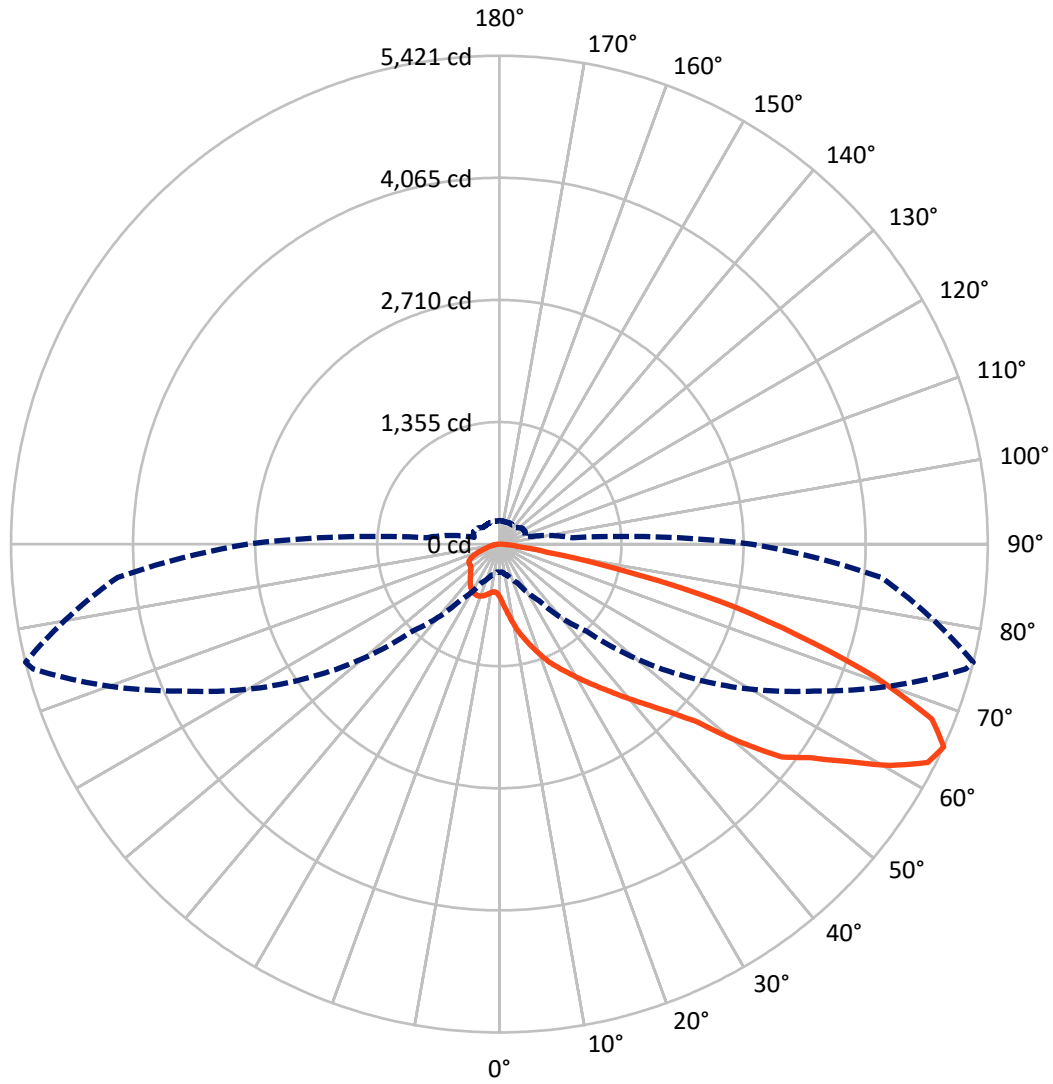
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1033.5	0.0	1033.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5149.6	0.0	5149.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	6183.1	0.0	6183.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.1
10°-20°	265.0	4.3
20°-30°	516.4	8.4
30°-40°	863.6	14.0
40°-50°	1236.5	20.0
50°-60°	1463.8	23.7
60°-70°	1217.2	19.7
70°-80°	498.1	8.1
80°-90°	53.0	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°	6183.1	100.0
0°-180°	6183.1	100.0

Coefficient of Utilization



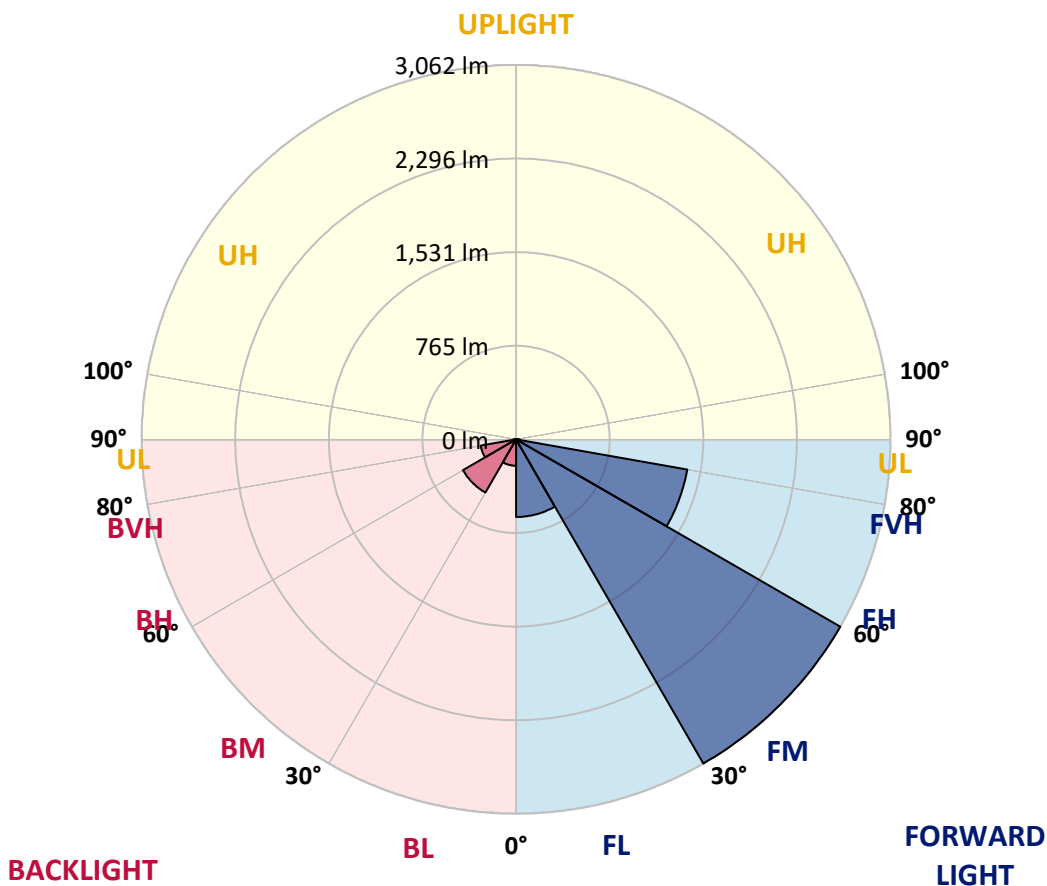
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	634.7	10.3			
FM (30°-60°)	3061.6	49.5			
FH (60°-80°)	1421.7	23.0			G1/1800
FVH (80°-90°)	31.6	0.5			G1/100
BL (0°-30°)	216.2	3.5	B1/500		
BM (30°-60°)	502.3	8.1	B1/1000		
BH (60°-80°)	293.6	4.7	B1/500		G1/500
BVH (80°-90°)	21.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5
2.5°	820.7	823.7	813.7	810.2	786.8	755.0	728.5	688.5	651.6	645.9	612.9
5°	1042.4	1029.3	1018.0	1010.6	978.0	942.0	885.9	810.7	732.0	722.4	651.2
7.5°	1174.1	1171.9	1158.0	1153.6	1128.4	1092.4	1034.5	941.1	826.8	811.1	702.9
10°	1279.7	1278.4	1271.4	1275.4	1252.3	1217.1	1161.0	1064.5	930.7	915.0	760.7
12.5°	1371.9	1374.0	1372.7	1387.1	1375.3	1347.9	1289.7	1183.6	1034.5	1017.6	831.1
15°	1439.2	1441.0	1447.5	1478.8	1485.3	1479.7	1420.5	1300.6	1137.1	1112.8	903.7
17.5°	1458.4	1461.8	1477.5	1527.9	1563.1	1586.6	1542.7	1419.7	1238.0	1211.5	977.6
20°	1484.0	1487.9	1503.6	1556.2	1607.9	1661.4	1653.5	1540.5	1339.7	1318.0	1052.4
22.5°	1602.7	1599.6	1592.7	1617.9	1654.8	1721.3	1740.9	1656.6	1444.9	1424.0	1135.0
25°	1831.3	1825.7	1781.3	1758.3	1746.1	1786.5	1821.3	1762.2	1547.5	1516.2	1211.9
27.5°	2083.4	2080.4	2023.9	1969.1	1894.3	1877.0	1897.4	1854.4	1647.0	1615.3	1278.8
30°	2322.1	2312.9	2253.8	2185.1	2085.2	2010.4	1980.4	1944.8	1756.1	1723.1	1357.1
32.5°	2535.5	2523.8	2454.2	2378.1	2273.4	2185.1	2095.6	2040.8	1879.6	1841.3	1437.1
35°	2710.7	2698.9	2627.7	2546.8	2431.6	2366.4	2243.8	2145.2	2005.2	1966.5	1531.4
37.5°	2846.3	2835.4	2761.1	2681.6	2581.1	2529.4	2422.9	2262.5	2149.9	2109.5	1631.4
40°	2922.4	2914.5	2855.0	2792.0	2707.6	2662.9	2615.0	2410.7	2312.1	2271.6	1749.2
42.5°	2945.4	2940.2	2898.5	2865.9	2808.9	2775.0	2802.4	2585.1	2485.1	2449.9	1881.7
45°	2887.6	2887.6	2875.4	2891.9	2894.5	2894.1	2990.2	2782.0	2697.6	2659.0	2068.7
47.5°	2739.8	2749.4	2767.2	2848.5	2934.1	3005.8	3209.7	3044.5	2971.1	2939.3	2333.4
50°	2469.4	2495.5	2556.4	2715.0	2897.2	3079.7	3417.5	3432.7	3502.7	3446.6	2722.8
52.5°	2073.4	2069.5	2224.7	2450.7	2728.5	3082.8	3531.8	3775.2	3963.4	3924.7	3012.3
55°	1647.9	1641.4	1786.1	2097.8	2469.9	2966.3	3600.5	3932.1	4219.0	4184.2	3272.7
57.5°	1261.9	1253.6	1382.3	1663.5	2104.7	2718.9	3587.4	4119.0	4570.7	4552.9	3626.6
60°	868.5	858.5	978.9	1224.9	1672.7	2340.8	3443.1	4215.1	4982.3	4988.4	4005.2
62.5°	521.6	516.0	603.3	794.2	1203.2	1872.2	3105.4	4156.9	5310.1	5337.5	4248.6
65°	314.7	310.8	362.1	473.8	763.3	1366.2	2584.6	3859.1	5357.5	5420.5	4254.2
67.5°	229.1	229.5	244.3	288.6	445.1	882.4	1939.6	3325.3	5110.6	5175.8	3986.0
70°	199.1	200.0	207.8	217.8	269.1	505.1	1261.0	2625.0	4380.7	4431.1	3343.1
72.5°	176.9	176.9	182.1	187.3	210.4	307.8	675.5	1834.8	3457.5	3470.9	2551.6
75°	155.6	154.3	156.9	159.5	182.6	215.2	328.6	1278.4	2553.8	2522.5	1649.2
77.5°	123.9	122.6	123.0	125.6	146.5	153.9	166.5	798.5	1439.2	1358.4	728.5
80°	88.2	87.4	92.2	98.7	108.2	94.3	104.3	386.4	570.7	531.2	282.5
82.5°	52.6	54.3	61.7	66.9	74.8	59.1	67.4	129.1	202.1	196.9	114.8
85°	7.4	7.8	22.2	25.6	32.2	23.0	35.6	58.2	80.9	86.5	40.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	10.4	23.0	23.5	10.0
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°	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5	585.5
2.5°	595.9	575.5	546.4	522.1	501.6	485.1	471.2	460.8	457.7	453.4	453.4
5°	617.7	580.7	528.6	491.6	470.3	457.7	449.0	444.7	442.5	439.9	438.6
7.5°	647.7	595.9	525.5	488.1	471.6	463.8	458.2	455.5	453.8	451.2	451.2
10°	689.0	618.6	535.1	500.3	487.3	479.5	472.9	468.6	464.7	460.8	459.9
12.5°	733.7	648.1	552.5	516.8	502.9	493.4	484.2	477.7	472.9	468.2	466.8
15°	783.3	678.5	571.2	532.9	515.5	502.5	491.6	481.6	475.1	468.2	467.3
17.5°	832.0	709.4	586.8	543.8	521.6	505.5	489.9	476.8	468.6	460.8	458.6
20°	890.2	740.3	597.7	546.8	520.3	499.0	480.3	463.8	454.7	445.5	444.2
22.5°	943.7	769.0	602.9	542.5	510.3	485.1	463.4	445.5	435.6	426.4	424.7
25°	995.4	794.2	600.7	532.1	495.1	466.0	443.4	425.6	416.0	406.4	403.8
27.5°	1045.4	811.1	592.0	516.0	476.0	444.7	422.9	406.9	398.6	390.3	386.9
30°	1094.5	826.8	578.6	495.1	451.6	422.5	404.7	393.4	385.1	376.4	373.8
32.5°	1144.1	838.1	558.1	470.8	426.9	403.0	392.1	383.8	375.1	366.4	363.8
35°	1194.1	842.8	533.4	442.9	406.0	390.3	386.4	376.9	365.1	354.7	351.2
37.5°	1253.6	847.2	502.5	415.6	387.7	384.3	383.4	369.0	355.1	340.8	336.9
40°	1325.3	852.8	470.8	390.8	373.0	382.1	378.6	359.0	331.2	317.3	313.0
42.5°	1413.2	863.3	437.7	368.2	362.1	373.8	369.9	334.7	316.0	308.2	306.0
45°	1542.3	901.5	404.7	350.4	353.8	362.1	356.0	320.4	313.0	307.8	305.1
47.5°	1772.2	960.2	376.0	336.9	347.3	351.7	328.2	316.4	310.8	303.8	300.8
50°	2011.3	985.9	353.0	328.6	339.9	342.1	313.0	311.2	307.3	299.9	296.9
52.5°	2173.0	982.4	339.1	325.6	333.8	325.6	306.0	305.6	303.0	294.3	290.8
55°	2355.5	988.5	333.0	326.4	331.2	297.8	297.3	298.6	297.3	287.8	286.0
57.5°	2602.0	1007.2	329.9	329.5	329.5	284.3	289.1	290.8	288.2	283.8	282.5
60°	2838.9	1008.5	324.3	333.0	328.2	276.0	279.5	281.2	278.2	277.3	276.9
62.5°	2928.0	945.9	311.7	330.4	323.0	266.9	269.5	270.4	267.3	269.5	269.1
65°	2795.4	812.9	290.8	317.8	306.9	258.6	256.9	259.1	253.9	259.5	259.9
67.5°	2482.0	645.9	259.1	293.8	284.3	249.5	246.0	246.0	237.3	246.0	245.6
70°	2001.3	456.4	212.6	255.6	259.5	238.6	236.9	226.9	213.0	226.0	224.7
72.5°	1517.0	327.8	167.4	202.1	223.4	223.4	223.9	206.9	190.8	196.9	191.7
75°	961.1	230.8	133.9	154.7	175.2	196.0	206.0	174.7	160.4	157.8	155.2
77.5°	432.9	151.7	104.3	118.7	124.3	154.7	188.2	150.4	130.8	125.2	123.4
80°	181.3	94.3	74.3	83.9	76.5	130.0	166.0	116.9	96.1	88.2	82.6
82.5°	79.5	56.1	47.4	45.2	47.8	96.5	123.9	77.8	60.0	81.3	82.2
85°	33.5	29.6	24.3	22.2	19.6	36.9	58.2	30.4	37.4	21.3	17.4
87.5°	7.8	8.7	6.5	4.3	2.6	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)