

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: P630359

Luminaire Tested: GWS-SA1D-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6067.9 lumens
Efficiency: N/A
Efficacy: 137.0 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

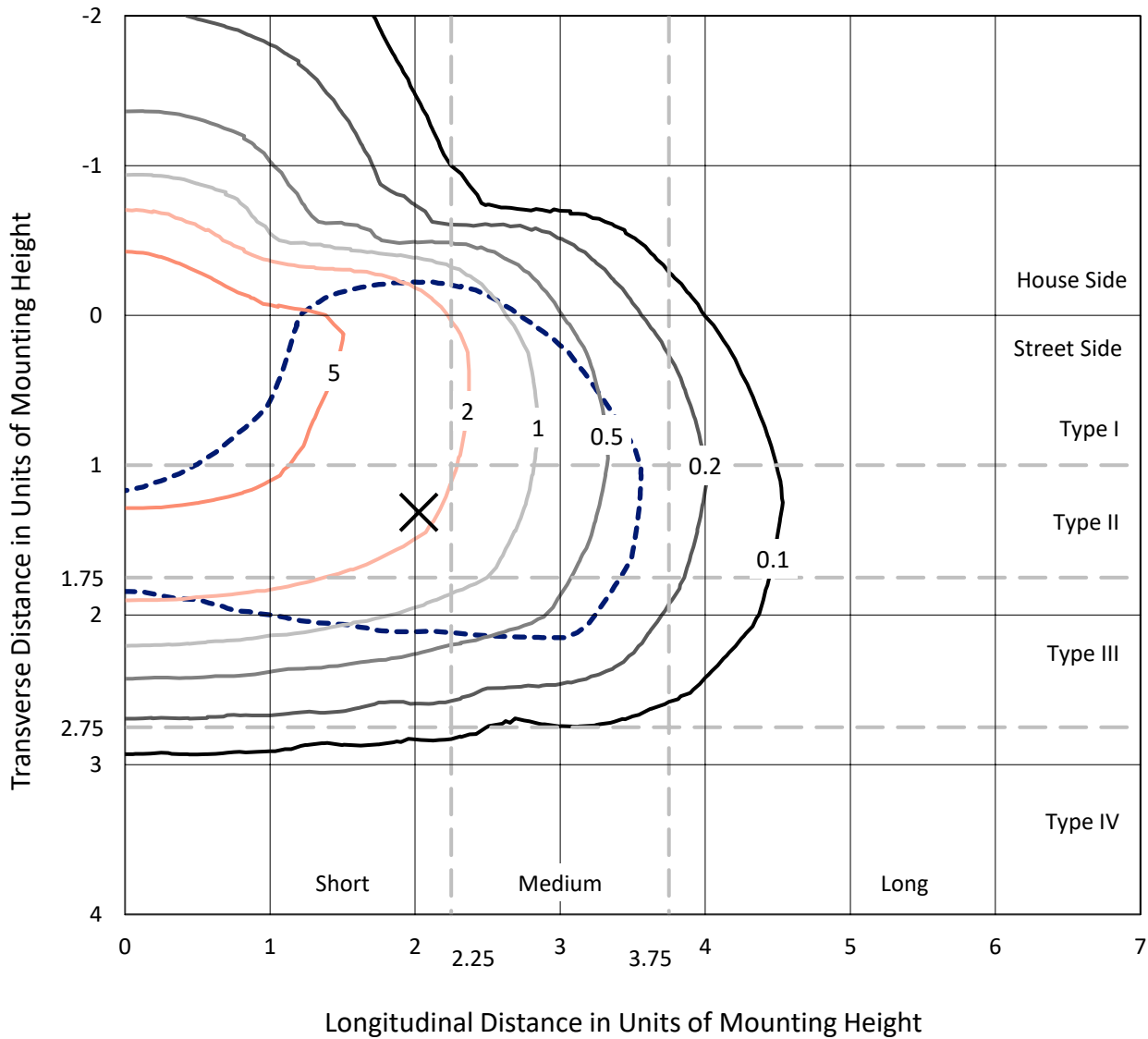
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630359
 CATALOG NUMBER: GWS-SA1D-740-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

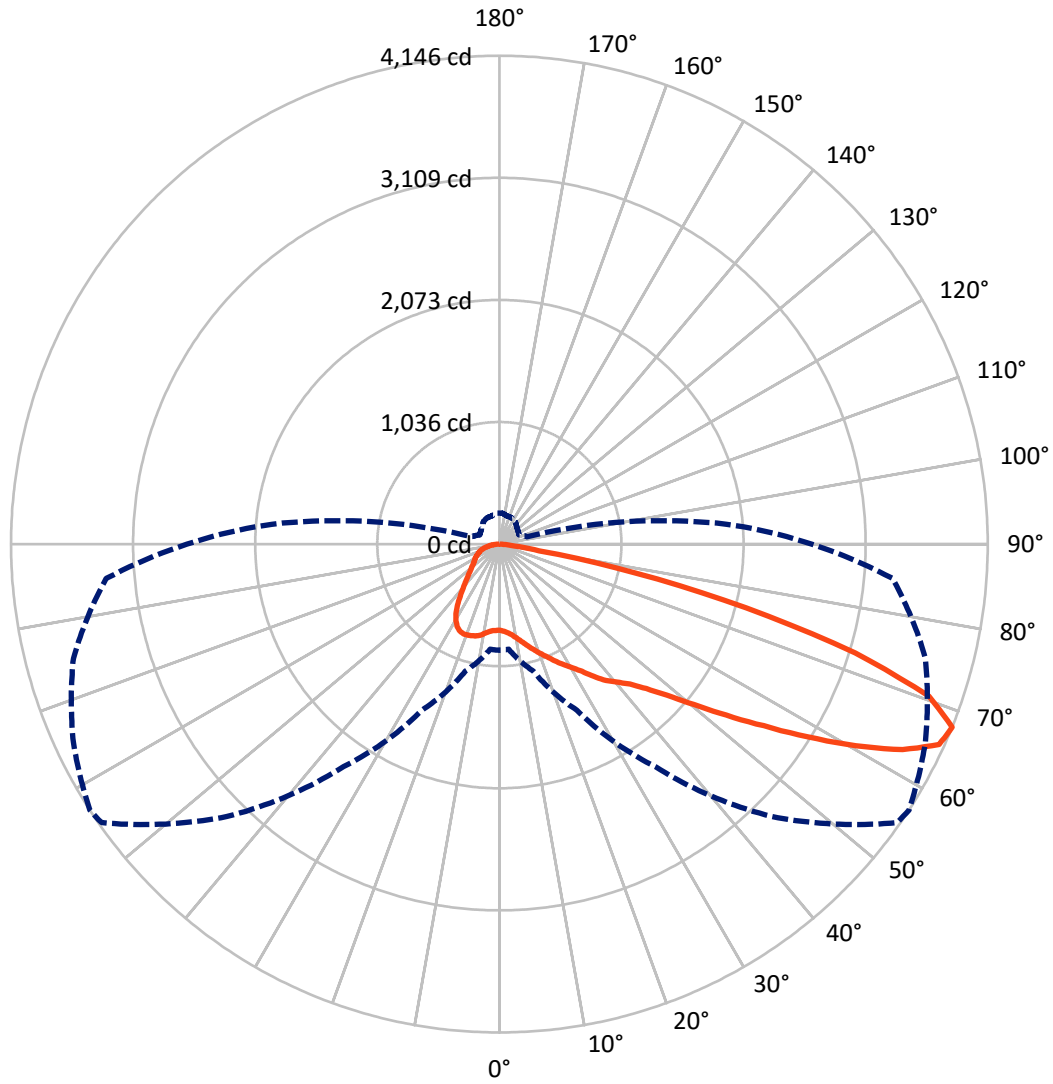
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

REPORT NUMBER: P630359
CATALOG NUMBER: GWS-SA1D-740-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630359

CATALOG NUMBER: GWS-SA1D-740-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.1	0.0	1334.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4733.8	0.0	4733.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	6067.9	0.0	6067.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.2
10°-20°	240.1	4.0
20°-30°	428.0	7.1
30°-40°	622.2	10.3
40°-50°	900.6	14.8
50°-60°	1409.4	23.2
60°-70°	1644.1	27.1
70°-80°	686.3	11.3
80°-90°	64.8	1.1
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°	6067.9	100.0
0°-180°	6067.9	100.0

Coefficient of Utilization



REPORT NUMBER: P630359

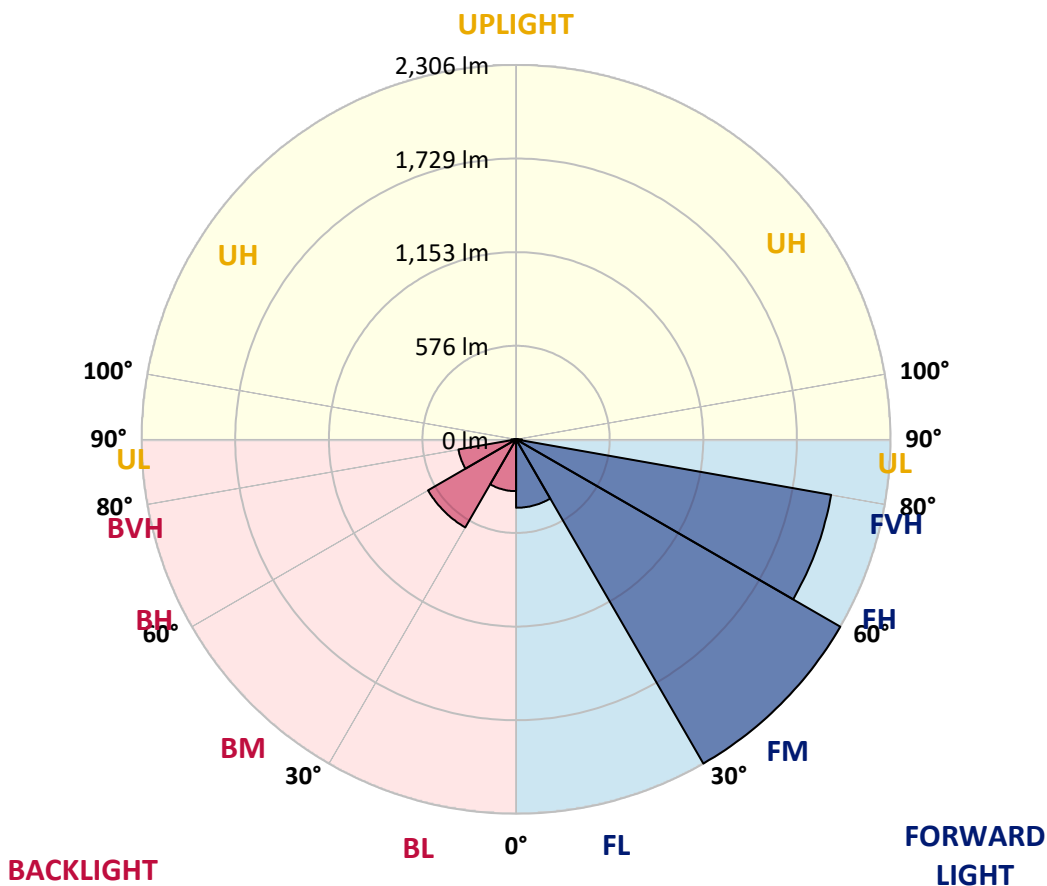
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.5	6.9			
FM (30°-60°)	2305.9	38.0			
FH (60°-80°)	1970.4	32.5			G2/5000
FVH (80°-90°)	36.1	0.6			G1/100
BL (0°-30°)	319.1	5.3	B1/500		
BM (30°-60°)	626.3	10.3	B1/1000		
BH (60°-80°)	360.1	5.9	B1/500		G1/500
BVH (80°-90°)	28.7	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





REPORT NUMBER: P630359
 CATALOG NUMBER: GWS-SA1D-740-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1
2.5°	741.6	740.7	740.3	742.9	742.0	741.6	741.6	741.1	740.3	736.8	732.0
5°	762.0	760.3	758.5	760.7	759.0	757.2	756.8	755.9	752.9	747.7	740.3
7.5°	783.3	781.6	782.0	783.3	782.0	781.1	779.8	779.0	774.2	765.9	755.9
10°	813.3	813.3	814.2	815.5	815.9	814.6	812.0	810.7	805.0	794.6	780.7
12.5°	856.8	855.9	855.9	855.0	856.3	855.0	852.4	850.2	843.3	829.8	809.8
15°	914.1	910.7	907.6	902.0	900.2	895.5	896.3	895.0	888.5	870.2	845.0
17.5°	975.4	975.0	970.2	958.9	947.6	939.8	941.5	941.1	937.6	912.8	880.7
20°	1029.3	1031.5	1027.2	1018.5	1003.3	988.5	987.6	989.8	985.4	960.7	915.9
22.5°	1089.8	1088.0	1083.7	1072.4	1061.1	1045.4	1040.2	1038.5	1036.7	1008.5	952.0
25°	1147.1	1152.4	1146.7	1136.3	1118.9	1101.9	1097.6	1099.3	1094.5	1057.2	990.6
27.5°	1219.7	1221.9	1218.4	1204.1	1189.3	1165.4	1157.1	1157.1	1155.4	1102.8	1021.1
30°	1297.1	1303.2	1297.1	1285.4	1270.2	1235.8	1218.0	1216.2	1211.0	1149.7	1056.7
32.5°	1374.9	1379.3	1374.9	1363.6	1346.2	1316.2	1290.6	1286.7	1279.7	1201.0	1093.2
35°	1444.0	1447.9	1447.1	1449.7	1435.3	1397.5	1381.9	1380.1	1361.9	1268.0	1142.8
37.5°	1519.7	1524.4	1517.9	1523.1	1517.5	1481.8	1477.1	1468.4	1442.3	1331.0	1194.9
40°	1605.7	1610.1	1599.6	1601.8	1595.3	1575.3	1551.0	1539.2	1500.5	1399.3	1277.1
42.5°	1697.9	1707.9	1712.7	1708.7	1693.5	1682.2	1639.6	1624.9	1592.7	1522.3	1412.3
45°	1831.3	1846.1	1853.1	1843.1	1836.5	1820.5	1768.3	1750.5	1733.5	1695.7	1600.9
47.5°	1975.2	1988.7	2010.9	2015.2	2020.4	2008.2	1934.8	1917.4	1920.4	1916.1	1833.1
50°	2090.0	2101.3	2151.3	2204.7	2249.1	2252.5	2158.6	2140.0	2156.5	2170.4	2112.6
52.5°	2173.4	2183.4	2249.5	2359.9	2460.3	2534.6	2433.4	2412.1	2425.5	2456.8	2430.3
55°	2241.2	2255.1	2324.3	2493.8	2696.8	2814.2	2749.4	2722.4	2716.8	2755.5	2770.7
57.5°	2276.9	2281.2	2378.2	2598.5	2870.2	3088.4	3116.7	3086.3	3032.4	3053.7	3132.8
60°	2195.6	2203.0	2335.6	2625.5	3007.2	3360.6	3502.3	3477.0	3362.3	3374.0	3461.4
62.5°	1970.9	1981.3	2140.8	2497.3	3018.5	3542.3	3858.3	3842.2	3688.3	3624.8	3650.9
65°	1581.0	1584.4	1749.6	2179.9	2793.7	3564.9	4106.5	4102.6	3916.1	3767.4	3655.7
67.5°	901.5	895.5	1116.3	1554.9	2305.6	3271.0	4122.6	4145.6	3990.0	3743.9	3351.4
70°	390.8	391.7	493.4	767.2	1492.3	2643.8	3829.1	3868.7	3776.1	3353.2	2666.4
72.5°	180.8	183.4	227.3	332.1	637.2	1640.1	3122.3	3158.0	3078.4	2683.7	1940.0
75°	127.8	130.0	151.7	190.4	293.0	639.0	2088.7	2163.4	2202.1	2007.4	1278.4
77.5°	96.9	100.0	110.8	132.1	180.8	226.5	999.3	1177.6	1402.7	1248.9	658.5
80°	61.7	61.7	73.5	88.2	110.4	117.8	288.6	342.1	686.4	514.7	258.6
82.5°	41.7	43.0	50.0	56.1	63.5	66.9	123.9	132.1	198.2	175.2	106.5
85°	22.2	23.0	26.1	25.6	30.4	26.5	52.2	51.7	72.6	79.5	40.4
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	5.7	6.1	15.2	24.3	13.5
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: P630359
 CATALOG NUMBER: GWS-SA1D-740-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1
2.5°	734.6	729.4	732.0	731.1	733.7	733.7	729.0	727.7	728.1	722.9	721.1
5°	741.1	735.1	736.4	734.6	737.2	739.4	737.2	737.2	739.8	735.9	733.7
7.5°	755.9	749.0	749.0	746.8	749.8	751.6	749.8	752.4	757.2	753.3	751.1
10°	779.4	771.1	771.6	769.0	770.3	769.4	762.4	760.3	761.6	758.1	756.4
12.5°	809.8	798.5	798.5	793.3	790.3	781.1	766.8	761.6	762.4	759.4	758.1
15°	838.9	828.5	826.3	815.9	802.0	785.0	772.0	768.5	769.4	766.4	764.2
17.5°	873.3	859.8	852.0	832.9	807.2	789.8	776.8	768.5	761.6	754.6	752.9
20°	905.0	888.1	873.7	844.2	812.9	789.0	764.6	744.2	727.2	718.1	715.9
22.5°	937.6	915.9	890.7	852.0	812.4	773.3	728.5	697.7	672.5	659.0	661.6
25°	968.5	941.1	906.8	859.4	798.5	738.5	677.7	631.6	602.9	592.5	589.4
27.5°	994.1	960.2	921.5	855.9	769.8	688.5	608.1	556.8	529.0	517.3	514.2
30°	1022.8	984.6	942.8	839.8	724.6	618.6	529.4	487.7	467.7	456.4	456.9
32.5°	1055.9	1015.9	972.8	808.9	666.8	542.9	464.7	436.0	419.9	408.6	406.9
35°	1100.2	1060.6	992.8	762.4	593.3	473.4	420.3	396.9	376.9	362.1	359.1
37.5°	1155.0	1128.0	995.0	700.3	514.7	425.6	388.6	363.4	339.1	319.5	317.3
40°	1248.9	1218.0	977.2	622.5	447.7	394.7	362.1	333.0	304.7	283.0	279.9
42.5°	1382.7	1319.3	938.9	534.7	397.3	370.4	336.9	299.9	271.2	256.0	253.9
45°	1553.1	1432.3	881.5	452.1	359.9	346.4	310.4	271.7	256.5	245.6	243.4
47.5°	1761.8	1564.0	815.5	387.7	330.8	324.7	283.4	262.1	248.6	239.5	237.3
50°	2011.3	1731.8	761.1	337.3	304.7	299.5	274.7	256.5	245.6	238.2	236.5
52.5°	2296.0	1918.3	734.6	301.2	282.1	276.9	271.7	255.2	246.0	240.4	238.2
55°	2591.6	2114.7	709.8	273.4	263.0	266.0	272.1	259.5	252.6	245.2	243.0
57.5°	2877.2	2299.1	649.0	251.7	249.1	260.8	274.3	263.9	255.6	248.2	245.6
60°	3074.1	2399.9	546.0	234.3	238.6	254.3	268.6	257.3	246.9	243.9	242.6
62.5°	3127.1	2387.7	423.8	216.5	226.0	239.9	253.9	246.5	235.6	240.4	240.8
65°	3003.2	2257.3	318.2	199.1	209.5	221.3	238.6	235.6	231.7	244.7	245.2
67.5°	2652.4	1937.0	242.6	183.9	192.6	206.9	233.9	246.5	247.3	263.9	262.1
70°	2006.9	1447.1	190.0	169.5	179.5	206.9	249.1	254.7	244.3	259.5	256.0
72.5°	1387.5	955.0	161.7	156.9	163.4	197.3	248.6	248.6	237.3	237.3	230.8
75°	862.0	561.6	140.8	140.8	140.8	172.6	241.7	229.1	209.1	200.0	194.7
77.5°	425.6	273.0	118.2	122.6	117.8	144.3	197.3	187.3	175.2	165.6	162.1
80°	181.7	136.5	95.6	100.4	94.8	108.7	156.5	154.3	142.6	130.0	126.1
82.5°	83.5	70.4	76.5	78.7	69.1	81.7	114.3	114.3	107.8	90.4	83.9
85°	35.6	37.4	53.0	53.0	43.5	46.1	61.3	58.2	52.2	42.6	39.1
87.5°	12.2	18.3	27.0	23.5	9.1	3.9	2.2	0.9	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)