

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: P629870

Luminaire Tested: GWS-SA1C-740-U-T4FTR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629870
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-740-U-T4FTR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4642.7 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

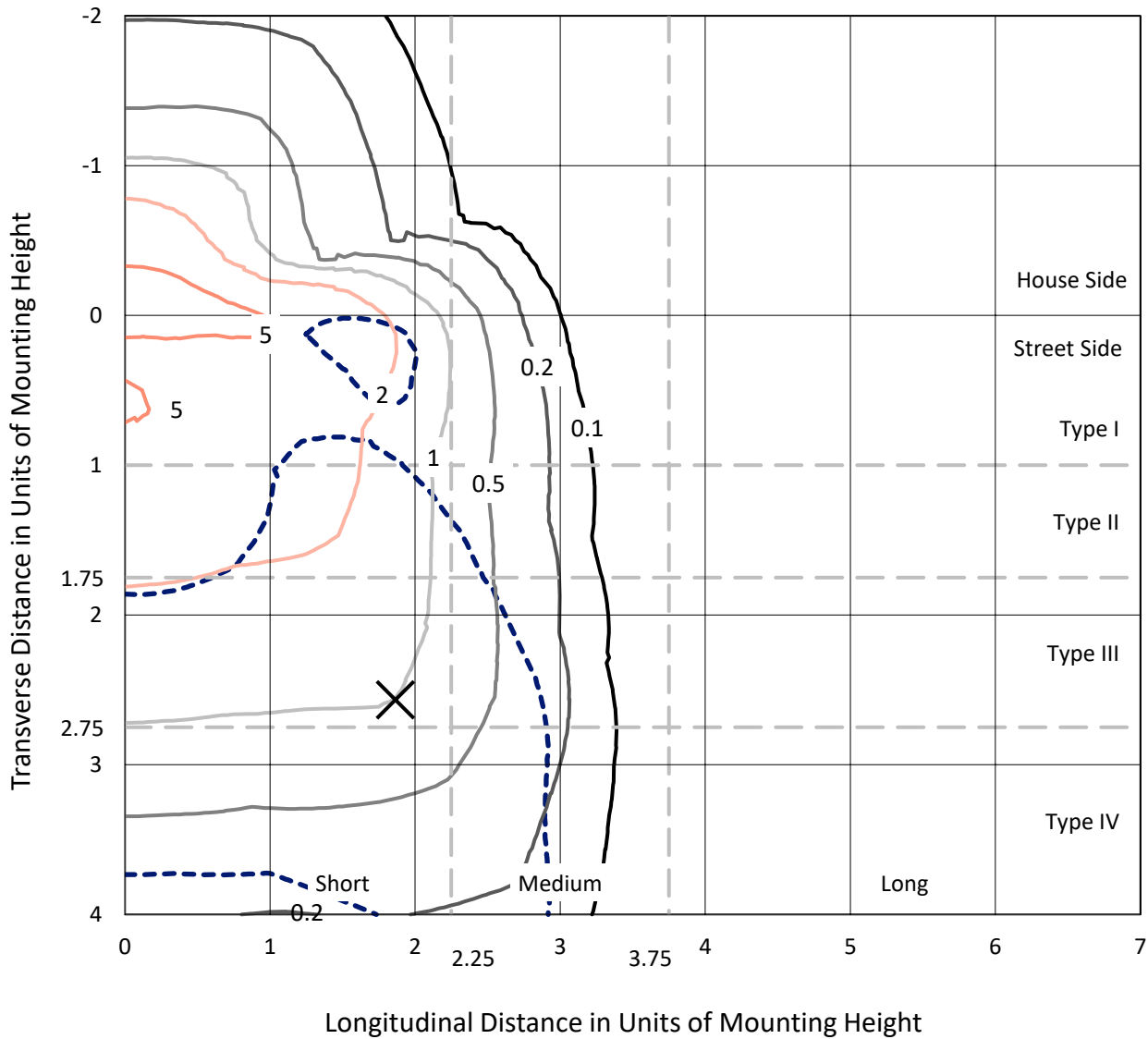
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629870
 CATALOG NUMBER: GWS-SA1C-740-U-T4FTR-W

Iso-Footcandle Lines of Horizontal Illumination

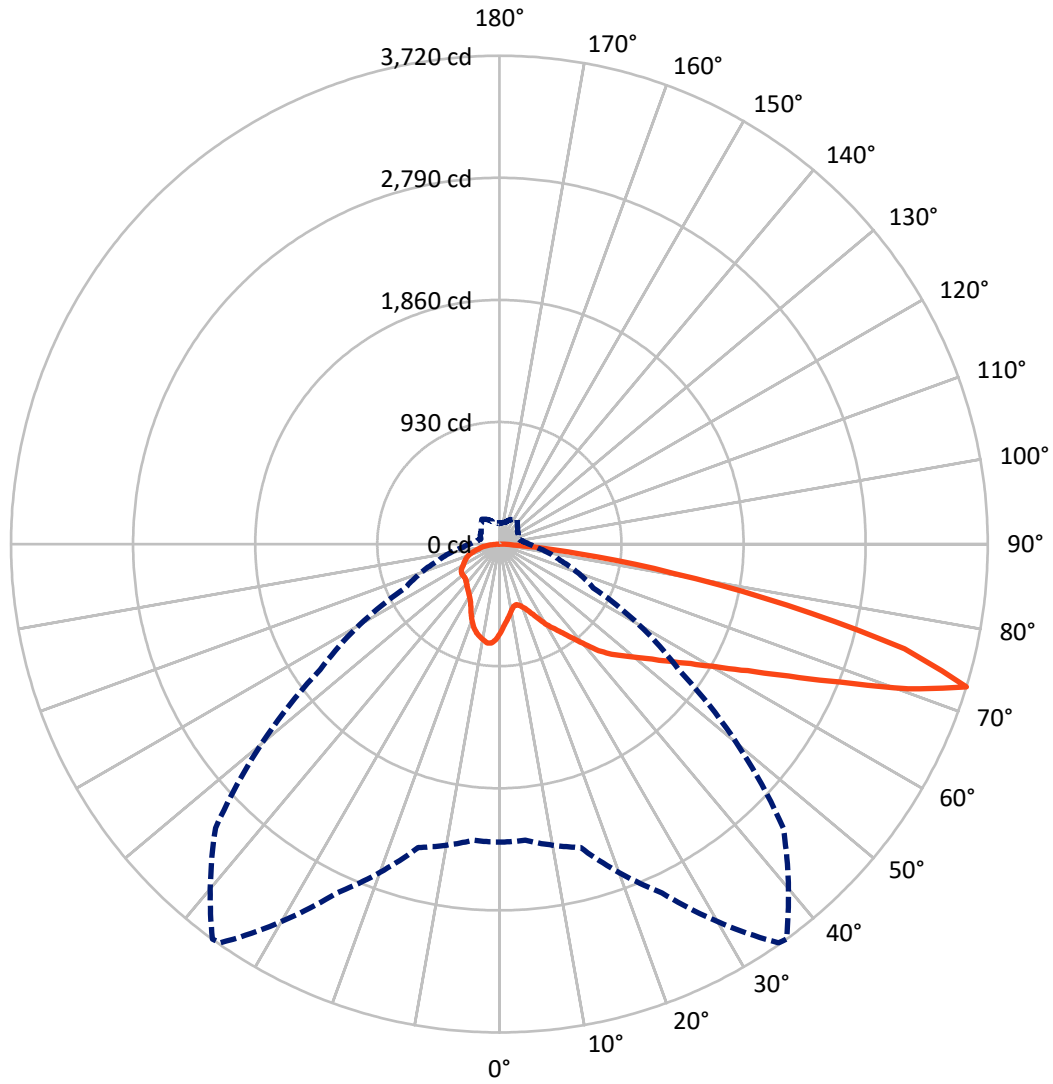
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P629870
CATALOG NUMBER: GWS-SA1C-740-U-T4FTR-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629870

CATALOG NUMBER: GWS-SA1C-740-U-T4FTR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.3	0.0	1070.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	3572.4	0.0	3572.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	4642.7	0.0	4642.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.4
10°-20°	179.2	3.9
20°-30°	296.8	6.4
30°-40°	444.4	9.6
40°-50°	648.4	14.0
50°-60°	922.9	19.9
60°-70°	1166.0	25.1
70°-80°	830.9	17.9
80°-90°	90.7	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°	4642.7	100.0
0°-180°	4642.7	100.0

Coefficient of Utilization



REPORT NUMBER: P629870

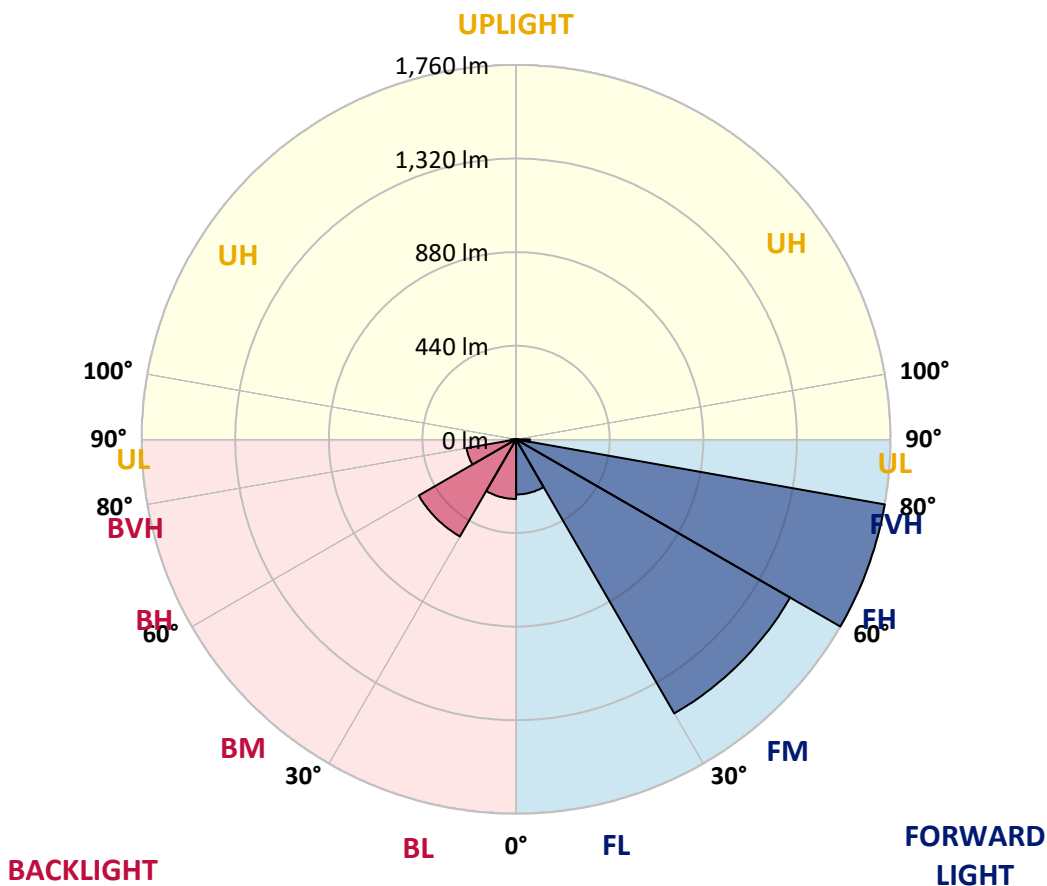
CATALOG NUMBER: GWS-SA1C-740-U-T4FTR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.2	5.6			
FM (30°-60°)	1487.9	32.0			
FH (60°-80°)	1760.2	37.9			G1/1800
FVH (80°-90°)	65.1	1.4			G1/100
BL (0°-30°)	280.3	6.0	B1/500		
BM (30°-60°)	527.8	11.4	B1/1000		
BH (60°-80°)	236.6	5.1	B1/500		G1/500
BVH (80°-90°)	25.6	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-G1

Type IV Short





REPORT NUMBER: P629870

CATALOG NUMBER: GWS-SA1C-740-U-T4FTR-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5
2.5°	619.9	618.8	616.8	623.0	629.2	628.5	637.1	645.4	654.3	663.6	676.0
5°	570.3	569.6	567.8	577.1	586.4	586.1	600.2	613.7	631.9	651.9	676.7
7.5°	520.6	518.9	521.3	533.0	546.1	547.5	566.8	588.9	615.4	645.4	680.5
10°	476.9	476.5	477.6	490.7	510.3	511.7	536.5	567.2	602.3	642.3	689.1
12.5°	465.5	464.8	462.1	468.6	483.4	485.5	512.7	550.3	593.3	644.0	700.8
15°	484.1	482.4	472.7	469.6	476.9	478.6	501.7	540.3	588.2	647.1	715.7
17.5°	516.2	515.1	496.9	484.1	488.9	490.3	507.5	538.6	586.8	653.3	733.9
20°	563.0	558.5	529.9	510.6	510.6	512.7	523.0	546.1	588.5	660.9	754.6
22.5°	625.0	616.1	575.8	549.6	542.7	545.4	549.9	565.1	595.8	673.6	780.4
25°	694.6	686.4	638.5	601.6	592.0	593.0	589.2	592.0	611.6	691.2	812.5
27.5°	768.7	763.2	712.2	665.4	650.2	650.2	636.8	630.2	633.7	711.2	848.3
30°	834.9	827.3	784.2	732.9	712.9	712.9	687.4	673.3	665.0	735.6	896.2
32.5°	869.7	865.2	836.6	797.3	772.9	769.1	747.0	730.5	711.2	771.8	961.0
35°	915.2	914.1	896.9	866.2	835.2	829.7	814.5	801.5	768.0	817.0	1047.1
37.5°	972.4	970.6	967.9	949.6	912.4	911.4	897.9	882.1	838.7	882.1	1151.5
40°	1036.4	1033.3	1029.9	1029.6	1007.2	1003.4	1002.3	984.4	923.8	960.6	1260.4
42.5°	1124.7	1114.0	1081.6	1096.1	1112.6	1109.2	1122.2	1095.4	1029.9	1054.0	1363.4
45°	1233.2	1207.0	1142.9	1147.1	1188.7	1195.6	1241.1	1234.6	1146.7	1161.9	1472.0
47.5°	1298.3	1275.6	1216.0	1212.5	1264.5	1273.2	1372.1	1384.5	1272.5	1291.8	1606.0
50°	1351.7	1335.9	1286.9	1291.8	1346.9	1355.5	1502.0	1528.5	1391.0	1424.8	1761.8
52.5°	1416.2	1393.4	1355.5	1378.3	1445.8	1456.1	1646.3	1674.9	1497.8	1570.9	1923.0
55°	1452.3	1443.0	1443.7	1478.5	1563.3	1577.4	1797.6	1792.8	1595.7	1695.9	2044.3
57.5°	1535.7	1532.3	1564.0	1577.1	1700.4	1718.7	1948.9	1907.5	1684.6	1792.8	2102.5
60°	1682.8	1674.2	1701.8	1721.8	1869.9	1895.8	2117.7	2019.8	1744.9	1864.8	2082.9
62.5°	1889.6	1878.9	1879.9	1911.6	2097.0	2124.2	2305.5	2113.6	1763.5	1875.8	1958.5
65°	2146.6	2131.1	2113.6	2156.6	2398.5	2421.3	2509.8	2181.8	1719.0	1769.7	1698.7
67.5°	2417.8	2405.1	2384.4	2474.7	2788.9	2802.7	2738.9	2175.9	1578.1	1485.8	1191.5
70°	2433.7	2436.8	2534.6	2861.3	3298.5	3302.0	2955.7	2058.1	1278.0	963.1	593.7
72.5°	2270.3	2265.2	2392.7	2931.9	3708.5	3720.3	3058.0	1667.3	789.7	480.3	278.4
75°	1844.1	1853.1	1987.1	2565.3	3178.6	3188.9	2492.9	983.0	375.2	235.0	178.1
77.5°	793.9	843.8	1108.1	1807.2	2276.5	2244.5	1284.9	398.3	200.2	167.5	136.4
80°	229.1	248.8	394.9	859.3	1364.1	1340.0	508.6	149.2	139.5	125.8	97.9
82.5°	74.1	82.0	144.7	342.2	611.3	610.6	193.0	88.2	91.3	85.5	63.1
85°	20.7	23.8	44.4	103.7	189.2	185.4	55.8	41.7	48.6	49.3	31.4
87.5°	0.0	0.0	0.3	0.7	0.7	0.7	1.4	6.2	14.1	17.9	12.7
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: P629870

CATALOG NUMBER: GWS-SA1C-740-U-T4FTR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5
2.5°	683.6	682.6	696.7	707.7	718.1	725.0	727.0	728.4	731.2	732.5	731.2
5°	688.4	693.6	717.0	734.3	748.0	756.3	756.7	756.0	758.0	756.3	755.3
7.5°	698.8	708.8	738.4	756.7	765.6	766.0	757.7	748.0	743.2	739.1	737.7
10°	712.6	727.4	759.8	771.8	769.1	756.3	738.1	722.9	714.3	708.1	706.7
12.5°	731.5	748.0	778.7	778.4	761.1	738.4	717.0	698.8	686.4	679.1	676.7
15°	749.4	770.4	792.5	776.3	749.1	721.5	694.0	669.5	652.9	641.6	639.5
17.5°	771.5	793.9	802.5	769.8	733.9	698.4	661.6	629.5	607.1	593.7	592.6
20°	797.0	817.0	807.3	758.4	714.3	667.8	617.8	582.0	557.8	544.8	545.8
22.5°	826.6	841.1	808.7	742.9	687.1	624.3	568.5	534.1	517.9	511.0	511.3
25°	858.3	867.6	806.3	721.9	645.4	571.3	517.9	502.0	500.7	498.9	499.6
27.5°	895.9	893.8	799.0	692.2	589.2	509.6	482.4	486.5	492.0	491.3	492.0
30°	946.2	926.5	789.7	651.2	522.4	457.9	461.4	473.1	480.3	481.0	483.1
32.5°	1003.7	962.7	774.9	595.4	458.6	429.0	441.7	455.9	464.5	466.2	469.0
35°	1072.3	1004.1	748.7	525.8	412.8	411.8	423.5	433.1	442.4	443.1	443.1
37.5°	1151.2	1045.4	707.0	449.0	384.5	396.9	408.0	410.0	412.4	410.4	411.4
40°	1223.5	1085.4	647.8	379.0	361.4	383.8	393.1	386.3	378.7	373.5	374.5
42.5°	1284.2	1112.6	569.2	330.1	338.0	372.1	379.4	365.2	350.4	340.8	342.2
45°	1352.4	1137.7	476.9	297.0	318.0	363.9	368.7	350.4	331.5	317.0	314.9
47.5°	1446.5	1189.1	394.9	273.9	303.9	359.4	367.3	342.5	317.7	296.0	293.6
50°	1562.6	1261.8	326.3	258.8	297.4	357.0	367.0	333.9	304.2	278.8	277.0
52.5°	1689.4	1332.8	275.7	247.1	290.8	349.7	365.2	324.2	290.1	262.6	260.5
55°	1773.8	1360.7	241.5	236.0	280.1	338.4	358.3	314.9	268.8	243.6	240.5
57.5°	1798.6	1324.8	217.8	226.0	266.3	322.5	345.3	295.3	255.7	235.7	233.3
60°	1755.9	1234.6	202.9	217.8	251.2	302.2	322.5	283.9	245.3	227.4	225.7
62.5°	1635.3	1095.4	191.6	209.2	235.7	280.8	308.0	270.1	234.0	219.8	217.4
65°	1392.7	898.3	182.3	200.2	220.9	260.5	292.2	256.4	221.6	210.9	208.1
67.5°	974.1	630.9	172.3	189.5	206.0	240.9	275.7	243.6	208.8	200.9	198.1
70°	476.2	334.6	160.2	177.1	190.2	220.9	259.1	228.1	191.9	187.4	183.7
72.5°	226.7	187.1	146.1	160.2	168.5	194.3	231.5	205.7	171.9	162.3	155.7
75°	152.0	133.0	127.5	140.2	142.3	163.0	198.5	177.5	151.6	140.6	135.1
77.5°	115.1	101.6	107.2	118.5	114.4	134.0	163.3	158.2	136.8	126.8	124.0
80°	81.0	74.1	85.1	92.0	88.9	114.1	147.1	135.4	112.7	101.6	99.6
82.5°	51.0	49.6	62.7	63.7	64.8	90.3	120.9	106.5	87.5	72.0	66.8
85°	25.5	28.3	37.6	37.6	37.2	46.5	68.9	60.0	47.2	37.6	36.5
87.5°	8.6	12.1	16.2	13.1	10.0	7.9	9.0	11.0	11.7	11.4	11.4
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)