

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: P629845

Luminaire Tested: GWS-SA1C-740-U-SL4R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-SL4R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4616.2 lumens
Efficiency: N/A
Efficacy: 135.4 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

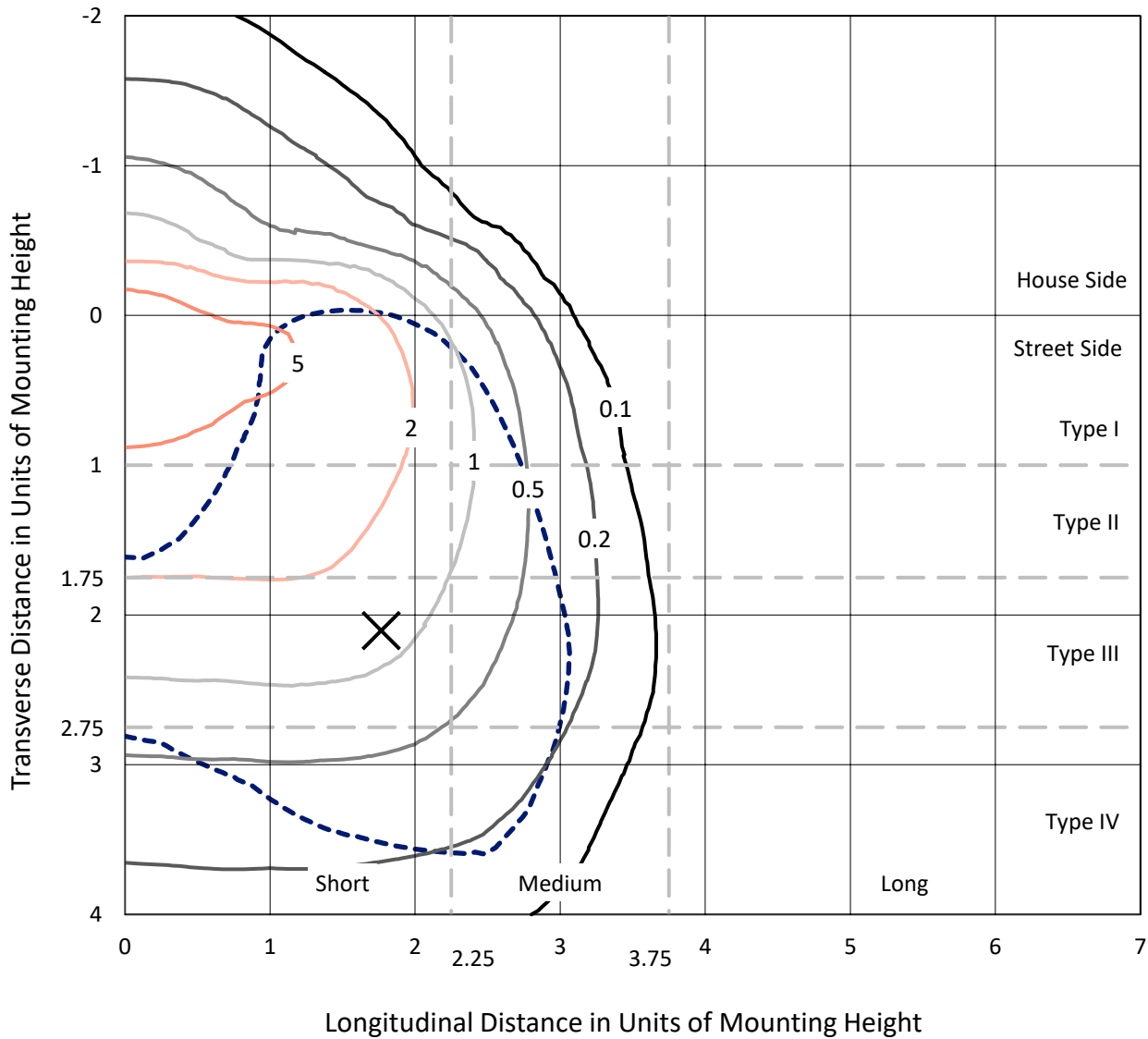
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

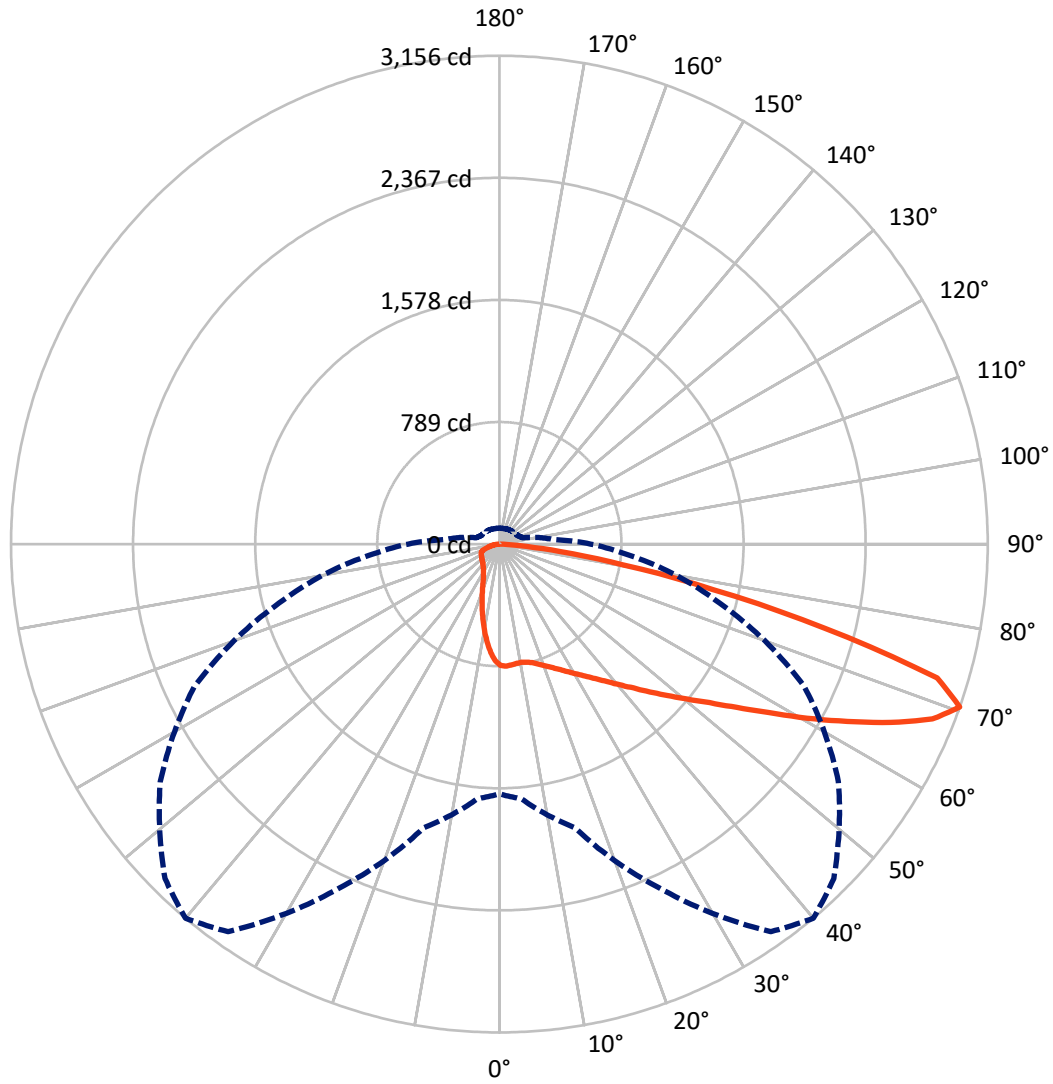
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.0	0.0	711.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	3905.2	0.0	3905.2
	% Fixture	84.6	0.0	84.6
Total	Lumens	4616.2	0.0	4616.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.5
10°-20°	180.5	3.9
20°-30°	283.4	6.1
30°-40°	426.1	9.2
40°-50°	657.8	14.2
50°-60°	976.8	21.2
60°-70°	1231.3	26.7
70°-80°	712.0	15.4
80°-90°	79.0	1.7
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°	4616.2	100.0
0°-180°	4616.2	100.0

Coefficient of Utilization



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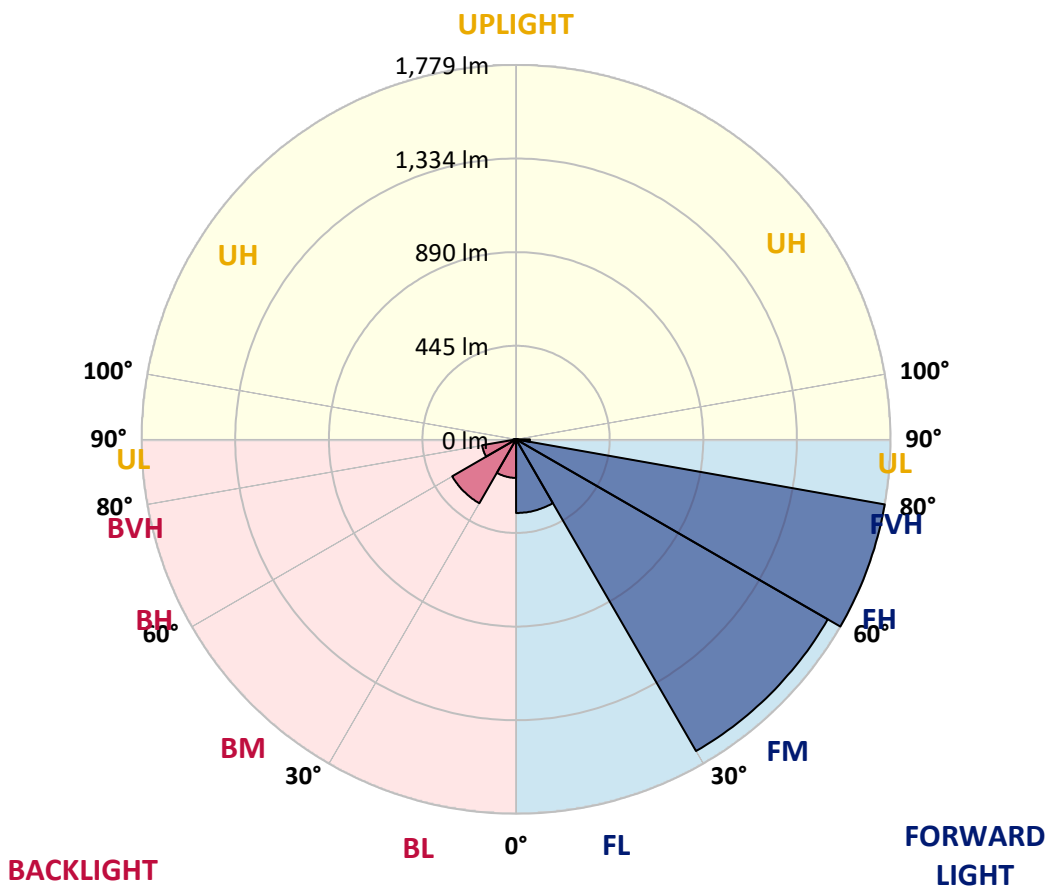
CATALOG NUMBER: GWS-SA1C-740-U-SL4R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.9	7.6			
FM (30°-60°)	1710.2	37.0			
FH (60°-80°)	1779.2	38.5			G1/1800
FVH (80°-90°)	65.8	1.4			G1/100
BL (0°-30°)	183.2	4.0	B1/500		
BM (30°-60°)	350.5	7.6	B1/1000		
BH (60°-80°)	164.1	3.6	B1/500		G1/500
BVH (80°-90°)	13.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9
2.5°	788.7	790.1	791.1	792.5	791.8	789.7	791.5	791.5	787.7	783.5	779.7
5°	789.7	791.5	791.1	790.8	788.0	784.6	784.6	782.5	776.0	769.4	763.2
7.5°	787.7	787.3	787.0	786.0	782.9	779.1	778.4	774.2	765.6	756.7	747.7
10°	778.4	778.0	779.1	781.5	780.8	777.3	777.3	773.5	763.6	752.5	740.8
12.5°	770.8	770.8	774.9	781.5	783.9	782.5	782.9	780.1	768.7	755.6	741.8
15°	771.8	772.2	781.1	791.8	796.3	795.3	795.6	792.5	779.7	766.7	748.0
17.5°	778.7	780.4	795.9	810.8	816.6	815.2	812.8	807.7	793.2	778.4	755.6
20°	793.2	795.9	815.9	834.5	841.4	838.3	834.2	823.9	808.0	791.8	763.9
22.5°	821.8	823.5	845.6	863.8	869.3	865.5	857.3	842.5	824.2	807.3	773.9
25°	862.1	864.2	885.2	902.1	900.7	896.2	884.8	866.6	844.9	827.0	788.4
27.5°	910.0	913.4	934.1	947.6	938.6	932.0	919.3	897.2	872.8	856.6	810.4
30°	962.4	963.7	981.3	994.8	981.0	972.0	956.5	932.7	910.7	898.6	843.5
32.5°	1013.0	1014.4	1029.6	1037.1	1022.7	1016.1	1002.7	977.5	962.0	955.5	892.8
35°	1066.4	1066.1	1078.5	1085.0	1070.2	1067.5	1053.7	1034.4	1031.6	1040.2	964.8
37.5°	1119.8	1116.7	1123.3	1131.9	1123.6	1126.4	1117.4	1110.9	1121.6	1144.0	1060.6
40°	1162.6	1162.6	1169.5	1180.1	1182.9	1194.9	1189.8	1198.4	1232.9	1286.3	1179.1
42.5°	1200.5	1200.8	1215.3	1231.8	1251.8	1270.4	1274.5	1296.9	1368.3	1452.0	1328.0
45°	1240.1	1240.4	1260.1	1284.2	1326.6	1362.1	1370.3	1420.6	1522.6	1624.6	1489.6
47.5°	1285.9	1282.1	1309.3	1349.7	1410.0	1461.0	1482.3	1553.6	1682.5	1807.9	1641.8
50°	1337.6	1329.7	1360.0	1429.6	1504.0	1574.0	1609.8	1691.5	1854.1	1977.1	1785.2
52.5°	1395.8	1391.4	1423.1	1507.8	1621.5	1702.1	1750.7	1857.9	2020.9	2145.6	1898.9
55°	1468.2	1457.5	1503.3	1611.2	1759.3	1862.0	1919.6	2022.6	2203.1	2298.6	1985.7
57.5°	1547.4	1535.7	1597.1	1740.4	1938.5	2051.2	2123.2	2208.0	2374.7	2415.7	2036.7
60°	1632.9	1629.1	1701.8	1892.0	2152.1	2283.1	2335.1	2411.9	2523.9	2483.6	2024.0
62.5°	1711.1	1709.7	1815.5	2056.4	2378.5	2522.6	2563.9	2584.2	2631.4	2479.1	1922.7
65°	1793.5	1805.2	1948.2	2246.9	2638.0	2779.3	2796.5	2744.8	2667.6	2361.6	1715.2
67.5°	1803.8	1826.5	2031.6	2425.4	2884.0	3017.3	3003.6	2805.8	2560.8	2034.7	1344.5
70°	1613.2	1652.9	1898.5	2452.6	3057.3	3155.5	3055.9	2674.5	2173.2	1474.0	845.6
72.5°	1347.9	1382.0	1599.1	2091.5	2833.7	2958.8	2824.0	2263.8	1535.7	845.6	430.7
75°	1049.2	1088.8	1289.0	1662.5	2121.5	2171.4	2103.9	1578.8	844.2	348.7	195.7
77.5°	640.2	668.8	824.5	1126.4	1484.4	1409.6	1194.6	885.2	370.4	167.1	120.9
80°	283.2	300.8	406.2	605.1	857.6	810.8	639.2	378.0	202.6	106.1	84.4
82.5°	152.0	163.3	200.2	239.5	376.6	393.8	319.4	217.8	108.9	60.6	48.2
85°	66.8	73.4	91.0	86.8	123.7	121.6	122.7	149.5	52.0	27.9	31.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	3.8	20.0	5.2	8.3	7.2
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°	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9	783.9
2.5°	775.6	769.4	767.7	765.6	761.8	755.3	750.5	744.9	742.5	739.8	740.1
5°	756.3	748.7	741.5	732.2	720.5	707.4	698.4	688.1	682.6	677.4	678.8
7.5°	739.8	728.1	713.2	693.6	672.6	649.2	630.2	615.4	605.4	598.5	602.0
10°	729.4	715.7	689.8	657.8	622.3	586.4	559.2	533.7	517.9	505.5	504.8
12.5°	727.4	709.5	671.9	625.4	574.0	526.1	486.2	451.7	430.7	415.2	421.1
15°	729.4	706.7	656.4	595.4	530.6	465.9	416.2	376.6	351.5	337.3	336.3
17.5°	731.9	703.9	638.8	563.0	485.1	411.1	353.5	311.5	285.6	271.5	271.9
20°	733.9	699.8	618.1	527.5	439.0	360.1	300.5	260.5	237.4	227.1	228.8
22.5°	737.4	695.7	596.1	489.6	391.8	310.8	258.4	226.0	212.3	205.4	205.7
25°	743.9	693.3	573.4	448.3	345.3	271.5	229.5	207.8	199.2	195.0	194.7
27.5°	757.4	695.3	549.6	408.3	303.2	241.5	210.9	196.7	190.9	188.1	187.8
30°	779.7	703.6	528.9	367.7	267.0	218.1	198.1	189.5	186.1	183.7	183.3
32.5°	813.9	719.1	506.5	329.7	237.7	200.9	188.1	183.7	181.2	179.9	179.9
35°	865.5	747.4	484.5	296.7	215.0	187.4	180.2	178.5	176.4	175.7	176.4
37.5°	940.0	792.5	464.5	267.7	198.8	177.1	171.6	172.3	170.6	171.6	172.6
40°	1034.4	852.8	447.6	244.0	186.8	169.5	164.0	166.4	165.4	166.4	168.1
42.5°	1153.9	927.6	434.8	225.3	178.1	163.3	158.2	160.6	159.9	161.3	163.0
45°	1287.3	1026.1	429.0	212.3	171.9	158.8	153.3	155.1	154.4	155.4	157.1
47.5°	1415.1	1115.7	434.2	204.7	166.8	155.1	149.2	149.9	149.5	149.2	150.2
50°	1525.4	1187.0	449.0	202.3	163.3	151.3	145.8	146.1	145.1	143.0	143.7
52.5°	1615.3	1244.2	457.9	202.3	161.6	147.1	142.0	142.3	140.2	137.5	137.8
55°	1674.6	1267.3	450.7	201.9	160.9	143.7	138.2	138.5	136.4	133.0	133.3
57.5°	1691.5	1244.9	420.4	198.1	160.2	140.9	134.4	135.1	133.7	129.9	129.9
60°	1644.3	1162.9	364.9	189.5	158.5	139.2	131.6	132.7	132.0	128.2	128.2
62.5°	1520.6	1017.2	298.7	176.4	153.7	137.1	129.2	131.3	133.0	130.9	130.6
65°	1289.0	814.9	242.9	161.9	147.5	133.7	125.8	130.9	134.7	137.5	137.5
67.5°	967.2	583.3	198.1	146.8	138.2	126.8	121.3	126.1	128.9	130.6	131.6
70°	589.5	343.2	156.1	129.2	124.7	116.5	112.3	107.5	103.7	103.0	103.4
72.5°	288.4	196.4	126.8	109.9	106.5	98.9	89.6	87.5	85.8	84.8	84.4
75°	158.8	136.8	104.7	91.3	85.1	75.8	73.7	70.3	69.6	68.2	68.6
77.5°	112.3	107.8	86.5	74.1	64.8	60.0	61.0	58.6	58.6	57.5	57.2
80°	84.4	84.8	66.5	54.1	47.9	46.2	47.2	47.2	46.5	46.2	45.8
82.5°	53.4	60.3	44.8	34.8	34.1	34.5	34.1	33.8	34.5	33.4	33.1
85°	36.9	43.4	27.2	20.7	20.7	20.3	21.0	20.7	21.4	20.3	20.3
87.5°	8.3	19.3	10.0	6.2	6.5	6.2	6.5	6.9	7.6	7.9	7.9
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)