

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: P629790

Luminaire Tested: GWS-SA1C-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629790
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-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4552.9 lumens
Efficiency: N/A
Efficacy: 133.5 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

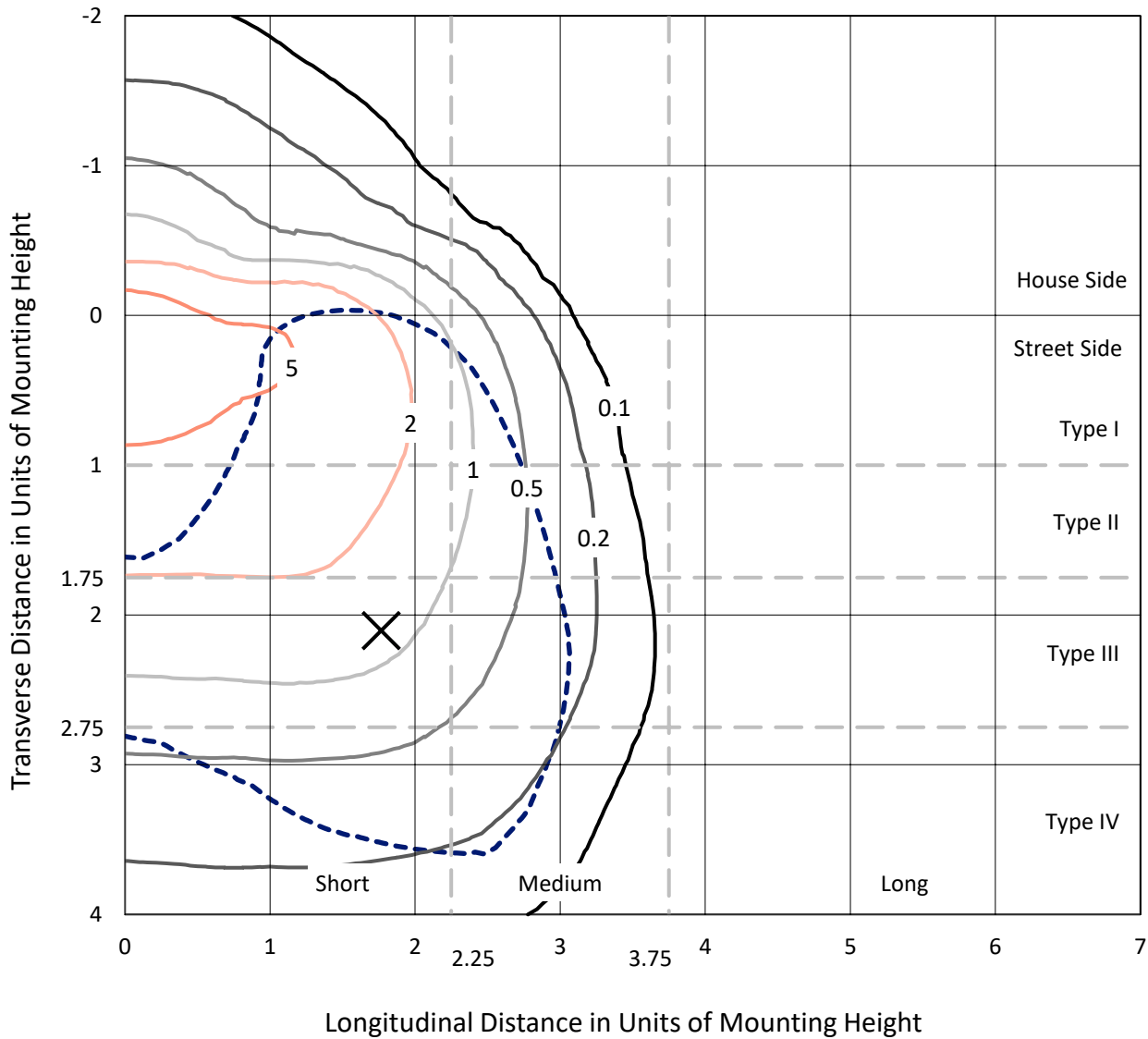
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

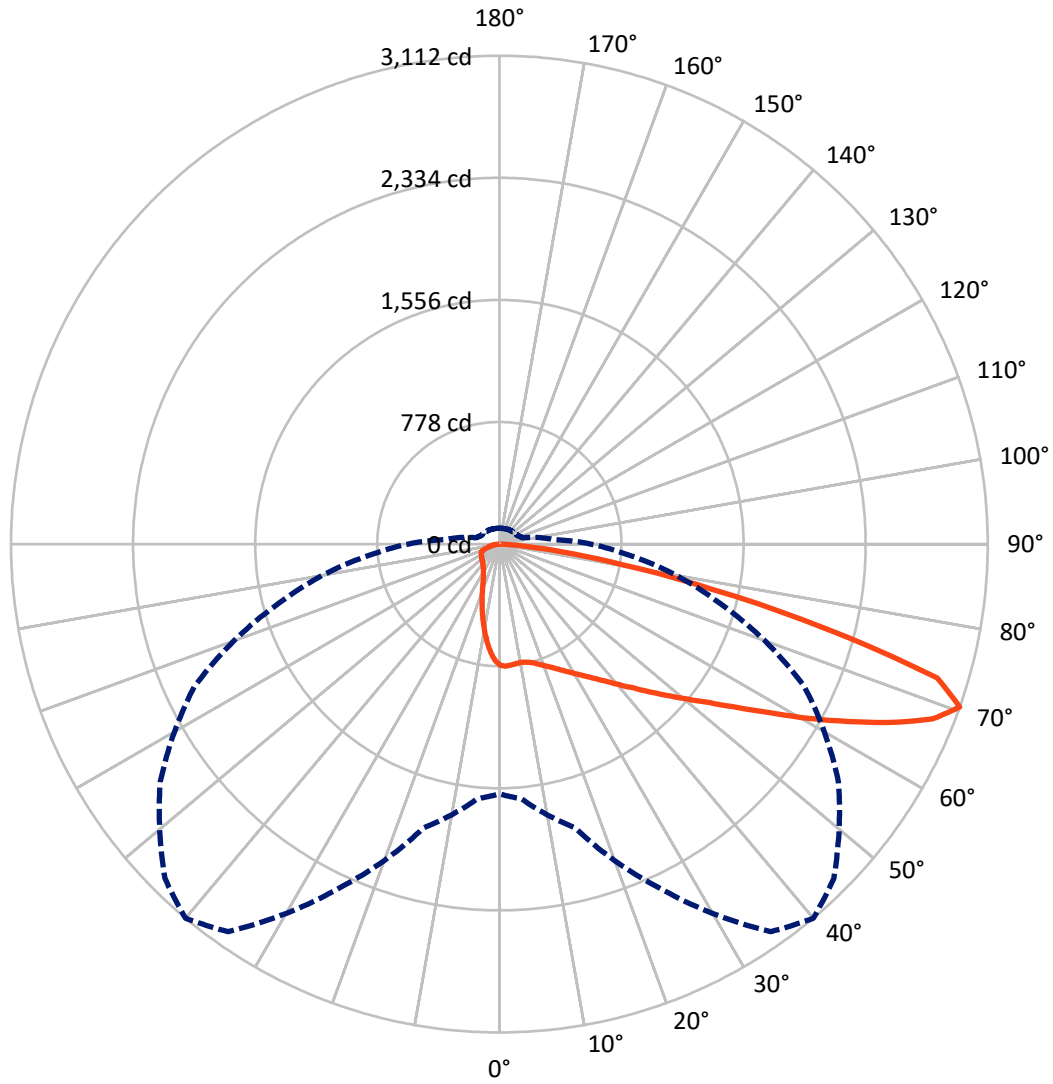
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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	701.3	0.0	701.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	3851.6	0.0	3851.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	4552.9	0.0	4552.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.5
10°-20°	178.0	3.9
20°-30°	279.5	6.1
30°-40°	420.3	9.2
40°-50°	648.7	14.2
50°-60°	963.4	21.2
60°-70°	1214.4	26.7
70°-80°	702.3	15.4
80°-90°	77.9	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°	4552.9	100.0
0°-180°	4552.9	100.0

Coefficient of Utilization



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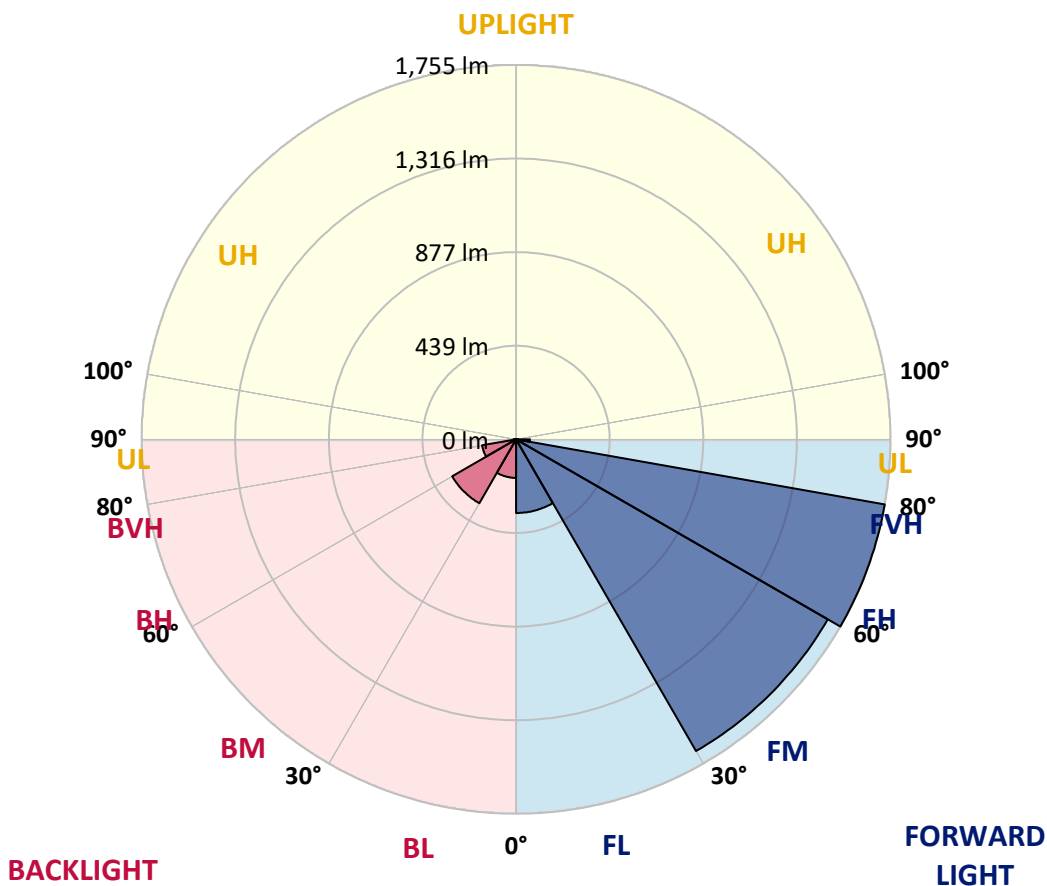
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.1	7.6			
FM (30°-60°)	1686.8	37.0			
FH (60°-80°)	1754.8	38.5			G1/1800
FVH (80°-90°)	64.9	1.4			G1/100
BL (0°-30°)	180.7	4.0	B1/500		
BM (30°-60°)	345.7	7.6	B1/1000		
BH (60°-80°)	161.9	3.6	B1/500		G1/500
BVH (80°-90°)	13.0	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°	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1
2.5°	777.9	779.3	780.3	781.6	781.0	778.9	780.6	780.6	776.9	772.8	769.1
5°	778.9	780.6	780.3	779.9	777.2	773.8	773.8	771.8	765.3	758.9	752.7
7.5°	776.9	776.5	776.2	775.2	772.1	768.4	767.7	763.6	755.1	746.3	737.5
10°	767.7	767.4	768.4	770.8	770.1	766.7	766.7	762.9	753.1	742.2	730.7
12.5°	760.2	760.2	764.3	770.8	773.1	771.8	772.1	769.4	758.2	745.3	731.7
15°	761.2	761.6	770.4	781.0	785.4	784.3	784.7	781.6	769.1	756.1	737.8
17.5°	768.0	769.7	785.0	799.6	805.4	804.1	801.7	796.6	782.3	767.7	745.3
20°	782.3	785.0	804.7	823.1	829.9	826.8	822.8	812.6	796.9	781.0	753.4
22.5°	810.5	812.2	834.0	852.0	857.4	853.7	845.5	830.9	812.9	796.2	763.3
25°	850.3	852.3	873.0	889.7	888.3	883.9	872.7	854.7	833.3	815.6	777.6
27.5°	897.5	900.9	921.3	934.6	925.7	919.3	906.7	884.9	860.8	844.8	799.3
30°	949.2	950.5	967.9	981.1	967.5	958.7	943.4	919.9	898.2	886.3	831.9
32.5°	999.1	1000.5	1015.4	1022.9	1008.6	1002.2	988.9	964.1	948.8	942.4	880.5
35°	1051.8	1051.5	1063.7	1070.2	1055.5	1052.8	1039.2	1020.2	1017.5	1026.0	951.6
37.5°	1104.5	1101.4	1107.9	1116.4	1108.2	1110.9	1102.1	1095.6	1106.2	1128.3	1046.0
40°	1146.6	1146.6	1153.4	1163.9	1166.7	1178.6	1173.5	1182.0	1215.9	1268.6	1162.9
42.5°	1184.0	1184.3	1198.6	1214.9	1234.6	1253.0	1257.1	1279.2	1349.5	1432.1	1309.7
45°	1223.1	1223.4	1242.8	1266.6	1308.4	1343.4	1351.5	1401.2	1501.8	1602.3	1469.1
47.5°	1268.3	1264.5	1291.4	1331.2	1390.6	1440.9	1462.0	1532.3	1659.4	1783.1	1619.3
50°	1319.3	1311.4	1341.3	1410.0	1483.4	1552.4	1587.7	1668.3	1828.7	1950.0	1760.7
52.5°	1376.7	1372.3	1403.5	1487.1	1599.3	1678.8	1726.7	1832.4	1993.2	2116.2	1872.9
55°	1448.1	1437.5	1482.7	1589.1	1735.2	1836.5	1893.2	1994.9	2172.9	2267.1	1958.5
57.5°	1526.2	1514.7	1575.2	1716.5	1911.9	2023.1	2094.1	2177.7	2342.2	2382.6	2008.8
60°	1610.5	1606.8	1678.5	1866.1	2122.6	2251.8	2303.1	2378.9	2489.3	2449.6	1996.2
62.5°	1687.6	1686.3	1790.6	2028.2	2345.9	2488.0	2528.7	2548.8	2595.4	2445.1	1896.3
65°	1768.9	1780.4	1921.5	2216.1	2601.8	2741.1	2758.1	2707.2	2631.0	2329.3	1691.7
67.5°	1779.1	1801.5	2003.7	2392.1	2844.5	2976.0	2962.4	2767.3	2525.7	2006.8	1326.1
70°	1591.1	1630.2	1872.5	2419.0	3015.4	3112.2	3014.0	2637.8	2143.4	1453.8	834.0
72.5°	1329.5	1363.1	1577.2	2062.8	2794.8	2918.2	2785.3	2232.7	1514.7	834.0	424.8
75°	1034.8	1073.9	1271.3	1639.7	2092.4	2141.7	2075.1	1557.1	832.6	343.9	193.0
77.5°	631.4	659.6	813.2	1110.9	1464.0	1390.3	1178.2	873.0	365.3	164.8	119.3
80°	279.3	296.7	400.7	596.8	845.9	799.6	630.4	372.8	199.8	104.7	83.3
82.5°	149.9	161.1	197.4	236.2	371.4	388.4	315.0	214.8	107.4	59.8	47.6
85°	65.9	72.4	89.7	85.6	122.0	120.0	121.0	147.5	51.3	27.5	30.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	3.7	19.7	5.1	8.2	7.1
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°	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1	773.1
2.5°	765.0	758.9	757.2	755.1	751.4	744.9	740.2	734.7	732.4	729.6	730.0
5°	745.9	738.5	731.3	722.2	710.6	697.7	688.9	678.7	673.2	668.1	669.5
7.5°	729.6	718.1	703.5	684.1	663.4	640.3	621.6	607.0	597.1	590.3	593.7
10°	719.4	705.8	680.4	648.8	613.7	578.4	551.6	526.4	510.8	498.5	497.9
12.5°	717.4	699.7	662.7	616.8	566.2	518.9	479.5	445.5	424.8	409.5	415.3
15°	719.4	697.0	647.4	587.2	523.4	459.5	410.5	371.4	346.6	332.7	331.7
17.5°	721.8	694.3	630.1	555.3	478.5	405.4	348.7	307.2	281.7	267.8	268.1
20°	723.9	690.2	609.7	520.3	433.0	355.1	296.3	256.9	234.1	224.0	225.7
22.5°	727.3	686.1	587.9	482.9	386.4	306.5	254.9	222.9	209.3	202.5	202.9
25°	733.7	683.8	565.5	442.1	340.5	267.8	226.3	204.9	196.4	192.3	192.0
27.5°	747.0	685.8	542.0	402.7	299.1	238.2	208.0	194.0	188.3	185.6	185.2
30°	769.1	694.0	521.7	362.6	263.4	215.1	195.4	186.9	183.5	181.1	180.8
32.5°	802.7	709.2	499.6	325.2	234.5	198.1	185.6	181.1	178.8	177.4	177.4
35°	853.7	737.1	477.8	292.6	212.1	184.9	177.7	176.0	174.0	173.3	174.0
37.5°	927.1	781.6	458.1	264.1	196.1	174.7	169.2	169.9	168.2	169.2	170.3
40°	1020.2	841.1	441.5	240.6	184.2	167.2	161.8	164.1	163.1	164.1	165.8
42.5°	1138.1	914.8	428.9	222.3	175.7	161.1	156.0	158.4	157.7	159.0	160.7
45°	1269.6	1012.0	423.1	209.3	169.6	156.7	151.2	152.9	152.2	153.3	155.0
47.5°	1395.7	1100.4	428.2	201.9	164.5	152.9	147.2	147.8	147.5	147.2	148.2
50°	1504.5	1170.7	442.8	199.5	161.1	149.2	143.8	144.1	143.1	141.0	141.7
52.5°	1593.2	1227.2	451.6	199.5	159.4	145.1	140.0	140.4	138.3	135.6	135.9
55°	1651.6	1249.9	444.5	199.1	158.7	141.7	136.3	136.6	134.6	131.2	131.5
57.5°	1668.3	1227.8	414.6	195.4	158.0	139.0	132.5	133.2	131.9	128.1	128.1
60°	1621.7	1147.0	359.9	186.9	156.3	137.3	129.8	130.8	130.2	126.4	126.4
62.5°	1499.7	1003.2	294.6	174.0	151.6	135.3	127.4	129.5	131.2	129.1	128.8
65°	1271.3	803.7	239.6	159.7	145.5	131.9	124.0	129.1	132.9	135.6	135.6
67.5°	953.9	575.3	195.4	144.8	136.3	125.1	119.6	124.4	127.1	128.8	129.8
70°	581.5	338.5	153.9	127.4	123.0	114.9	110.8	106.0	102.3	101.6	102.0
72.5°	284.4	193.7	125.1	108.4	105.0	97.5	88.4	86.3	84.6	83.6	83.3
75°	156.7	134.9	103.3	90.1	83.9	74.8	72.7	69.3	68.6	67.3	67.6
77.5°	110.8	106.4	85.3	73.1	63.9	59.1	60.2	57.8	57.8	56.8	56.4
80°	83.3	83.6	65.6	53.4	47.2	45.5	46.6	46.6	45.9	45.5	45.2
82.5°	52.7	59.5	44.2	34.3	33.6	34.0	33.6	33.3	34.0	33.0	32.6
85°	36.4	42.8	26.8	20.4	20.4	20.1	20.7	20.4	21.1	20.1	20.1
87.5°	8.2	19.0	9.9	6.1	6.5	6.1	6.5	6.8	7.5	7.8	7.8
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)