

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: P630249

Luminaire Tested: GWS-SA1D-730-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630249
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-730-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5525.5 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

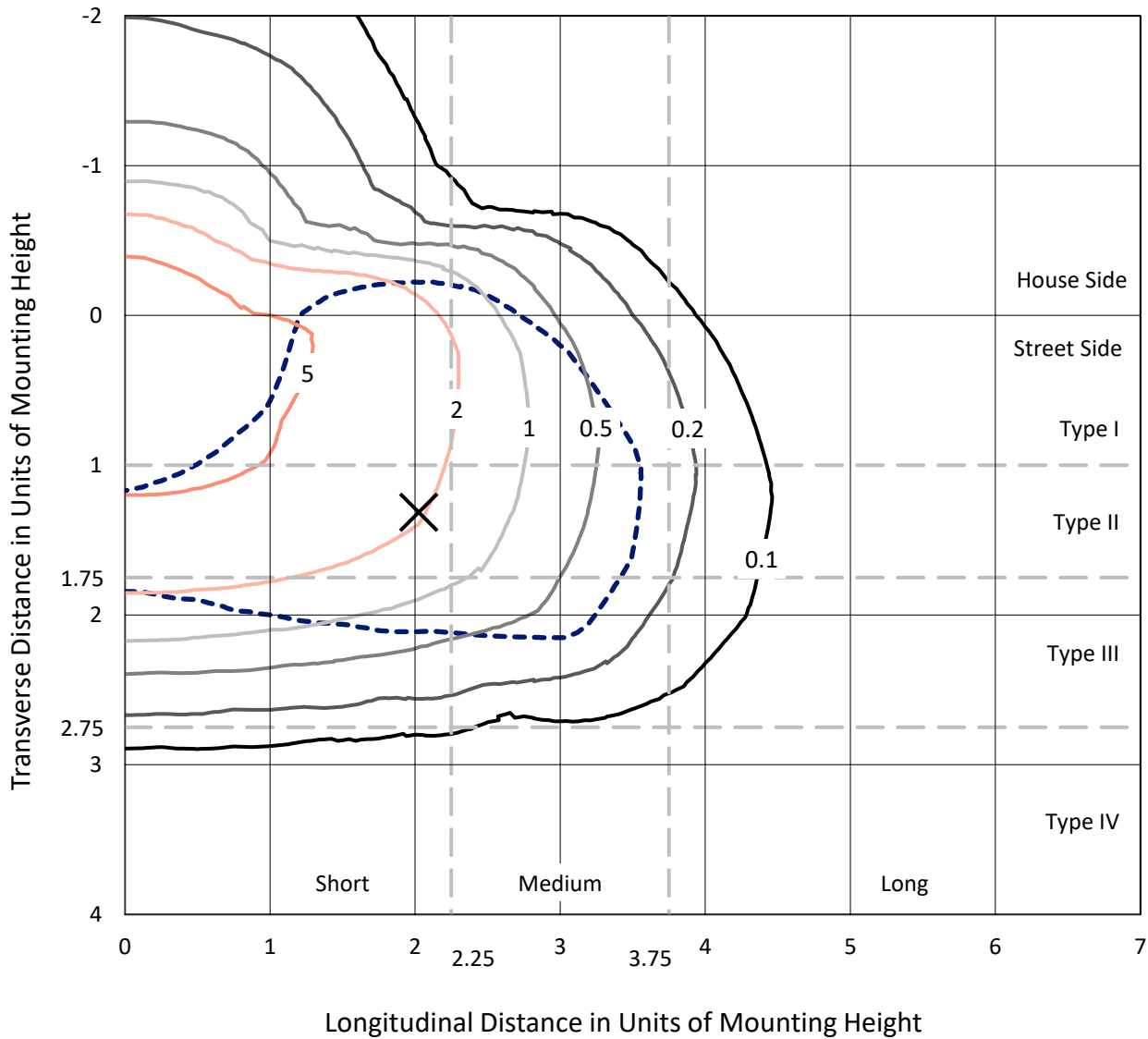
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

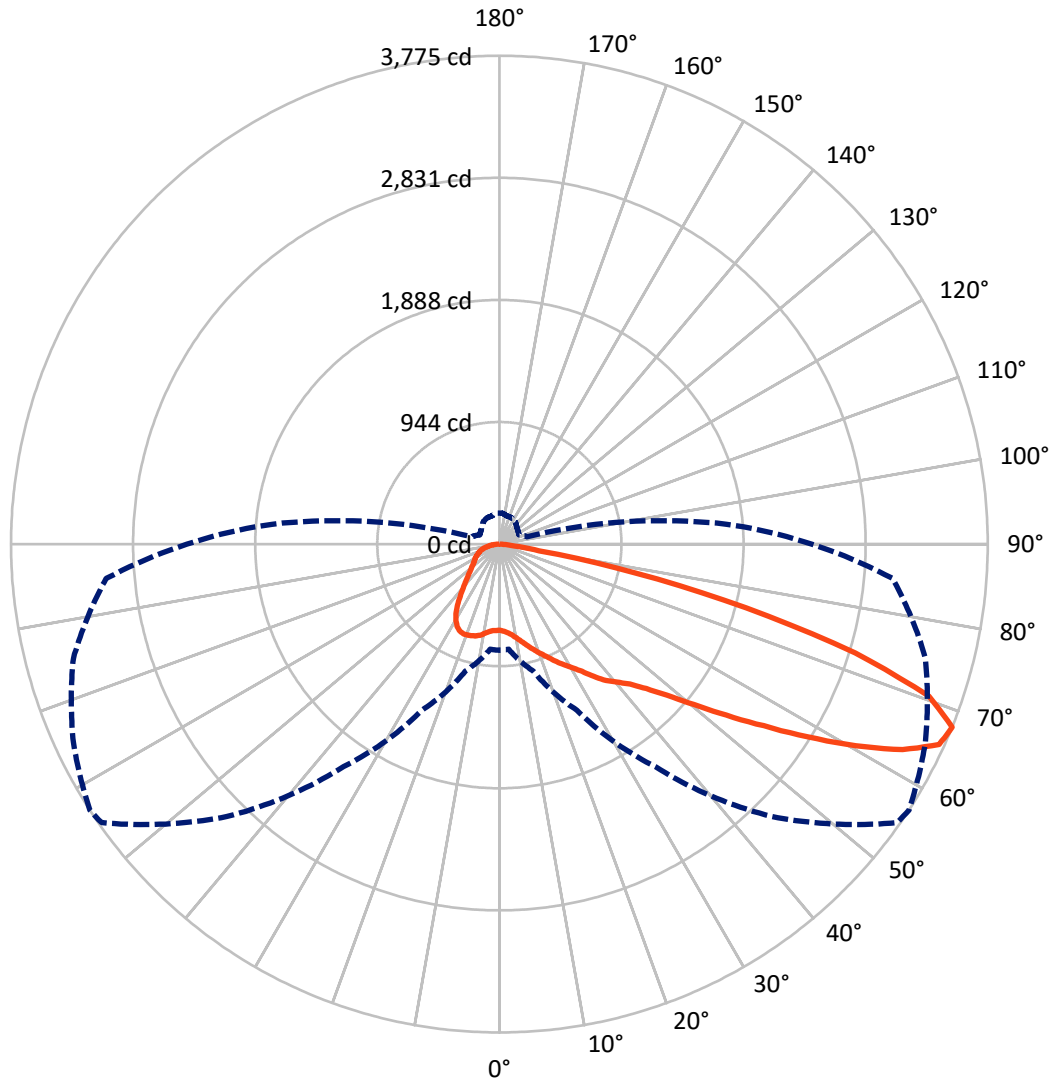
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1214.8	0.0	1214.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4310.6	0.0	4310.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	5525.5	0.0	5525.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	1.2
10°-20°	218.6	4.0
20°-30°	389.7	7.1
30°-40°	566.6	10.3
40°-50°	820.1	14.8
50°-60°	1283.4	23.2
60°-70°	1497.1	27.1
70°-80°	625.0	11.3
80°-90°	59.0	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°	5525.5	100.0
0°-180°	5525.5	100.0

Coefficient of Utilization



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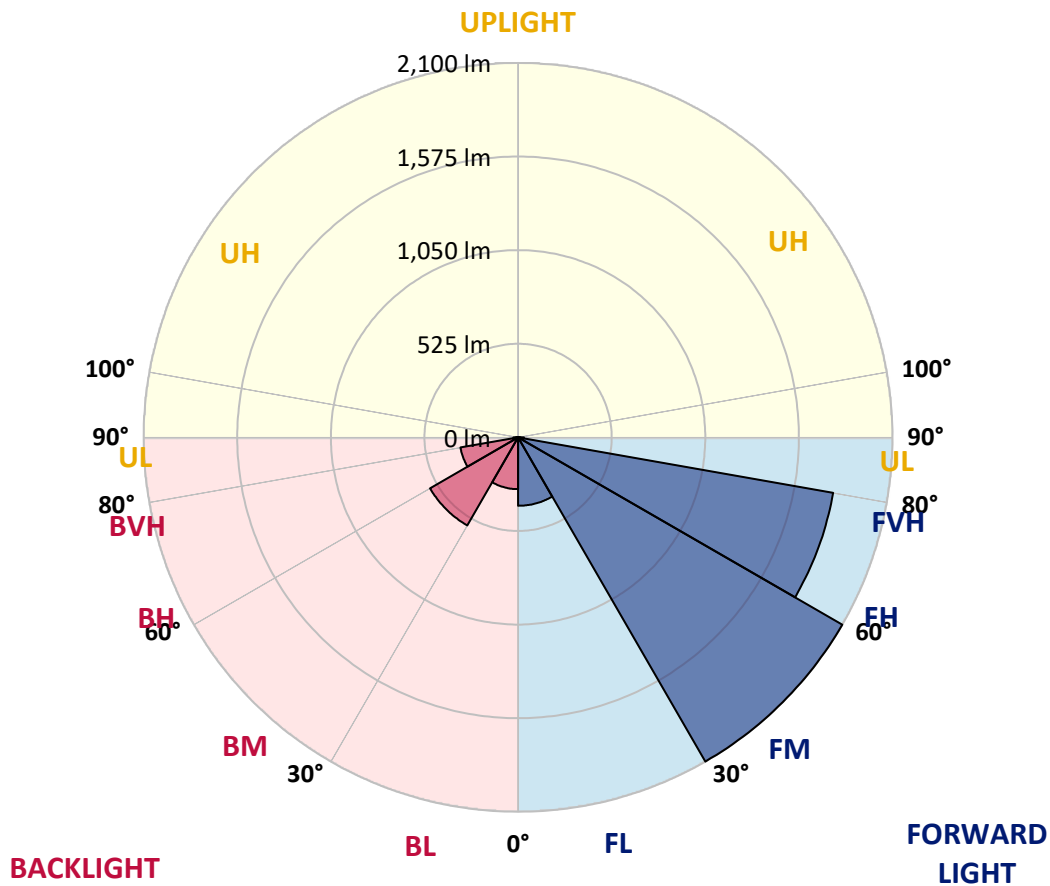
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.8	6.9			
FM (30°-60°)	2099.8	38.0			
FH (60°-80°)	1794.2	32.5			G1/1800
FVH (80°-90°)	32.9	0.6			G1/100
BL (0°-30°)	290.6	5.3	B1/500		
BM (30°-60°)	570.3	10.3	B1/1000		
BH (60°-80°)	327.9	5.9	B1/500		G1/500
BVH (80°-90°)	26.1	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8
2.5°	675.3	674.5	674.1	676.5	675.7	675.3	675.3	674.9	674.1	670.9	666.6
5°	693.9	692.3	690.7	692.7	691.1	689.5	689.1	688.3	685.6	680.8	674.1
7.5°	713.3	711.7	712.1	713.3	712.1	711.3	710.1	709.3	705.0	697.5	688.3
10°	740.6	740.6	741.4	742.6	743.0	741.8	739.4	738.2	733.1	723.6	710.9
12.5°	780.2	779.4	779.4	778.6	779.8	778.6	776.2	774.2	767.9	755.6	737.4
15°	832.4	829.3	826.5	821.3	819.8	815.4	816.2	815.0	809.1	792.5	769.5
17.5°	888.2	887.8	883.5	873.2	862.9	855.8	857.4	857.0	853.8	831.2	802.0
20°	937.3	939.3	935.3	927.4	913.6	900.1	899.3	901.3	897.3	874.8	834.0
22.5°	992.3	990.8	986.8	976.5	966.2	952.0	947.2	945.6	944.1	918.3	866.9
25°	1044.6	1049.3	1044.2	1034.7	1018.9	1003.4	999.5	1001.1	996.7	962.7	902.1
27.5°	1110.7	1112.7	1109.5	1096.4	1083.0	1061.2	1053.7	1053.7	1052.1	1004.2	929.8
30°	1181.2	1186.7	1181.2	1170.5	1156.6	1125.3	1109.1	1107.5	1102.8	1047.0	962.3
32.5°	1252.0	1256.0	1252.0	1241.7	1225.9	1198.6	1175.2	1171.7	1165.3	1093.7	995.5
35°	1314.9	1318.5	1317.7	1320.1	1307.0	1272.6	1258.3	1256.8	1240.1	1154.6	1040.6
37.5°	1383.8	1388.2	1382.2	1387.0	1381.8	1349.4	1345.0	1337.1	1313.4	1212.0	1088.1
40°	1462.2	1466.2	1456.7	1458.6	1452.7	1434.5	1412.3	1401.6	1366.4	1274.2	1162.9
42.5°	1546.1	1555.2	1559.6	1556.0	1542.2	1531.9	1493.1	1479.6	1450.3	1386.2	1286.0
45°	1667.6	1681.1	1687.4	1678.3	1672.4	1657.7	1610.2	1594.0	1578.6	1544.1	1457.8
47.5°	1798.6	1810.9	1831.1	1835.1	1839.8	1828.7	1761.8	1746.0	1748.8	1744.8	1669.2
50°	1903.1	1913.4	1959.0	2007.6	2048.0	2051.2	1965.7	1948.7	1963.7	1976.4	1923.7
52.5°	1979.1	1988.3	2048.4	2149.0	2240.4	2308.1	2215.9	2196.5	2208.7	2237.2	2213.1
55°	2040.9	2053.6	2116.5	2270.9	2455.7	2562.6	2503.6	2479.1	2473.9	2509.2	2523.0
57.5°	2073.4	2077.3	2165.6	2366.3	2613.7	2812.4	2838.1	2810.4	2761.3	2780.7	2852.7
60°	1999.3	2006.1	2126.8	2390.8	2738.3	3060.2	3189.2	3166.2	3061.7	3072.4	3152.0
62.5°	1794.7	1804.2	1949.5	2274.0	2748.6	3225.6	3513.4	3498.7	3358.6	3300.8	3324.6
65°	1439.6	1442.8	1593.2	1985.1	2544.0	3246.2	3739.4	3735.8	3566.0	3430.7	3328.9
67.5°	821.0	815.4	1016.5	1415.9	2099.5	2978.6	3754.0	3775.0	3633.3	3409.3	3051.8
70°	355.9	356.6	449.3	698.6	1358.9	2407.4	3486.9	3522.9	3438.6	3053.4	2428.0
72.5°	164.7	167.0	207.0	302.4	580.3	1493.5	2843.2	2875.7	2803.3	2443.9	1766.6
75°	116.4	118.4	138.1	173.4	266.8	581.9	1902.0	1970.0	2005.3	1827.9	1164.1
77.5°	88.3	91.0	100.9	120.3	164.7	206.2	910.0	1072.3	1277.3	1137.2	599.7
80°	56.2	56.2	66.9	80.4	100.5	107.3	262.8	311.5	625.0	468.7	235.5
82.5°	38.0	39.2	45.5	51.1	57.8	61.0	112.8	120.3	180.5	159.5	97.0
85°	20.2	21.0	23.7	23.4	27.7	24.1	47.5	47.1	66.1	72.4	36.8
87.5°	0.0	0.0	0.4	0.4	0.8	1.2	5.1	5.5	13.9	22.2	12.3
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°	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8	665.8
2.5°	669.0	664.2	666.6	665.8	668.2	668.2	663.8	662.6	663.0	658.3	656.7
5°	674.9	669.3	670.5	669.0	671.3	673.3	671.3	671.3	673.7	670.1	668.2
7.5°	688.3	682.0	682.0	680.0	682.8	684.4	682.8	685.2	689.5	686.0	684.0
10°	709.7	702.2	702.6	700.2	701.4	700.6	694.3	692.3	693.5	690.3	688.7
12.5°	737.4	727.1	727.1	722.4	719.6	711.3	698.2	693.5	694.3	691.5	690.3
15°	764.0	754.5	752.5	743.0	730.3	714.9	703.0	699.8	700.6	697.8	695.9
17.5°	795.2	783.0	775.8	758.4	735.1	719.2	707.3	699.8	693.5	687.2	685.6
20°	824.1	808.7	795.6	768.7	740.2	718.4	696.3	677.7	662.2	653.9	651.9
22.5°	853.8	834.0	811.1	775.8	739.8	704.2	663.4	635.3	612.3	600.1	602.5
25°	881.9	857.0	825.7	782.6	727.1	672.5	617.1	575.1	549.0	539.5	536.7
27.5°	905.3	874.4	839.2	779.4	701.0	627.0	553.8	507.1	481.7	471.0	468.3
30°	931.4	896.6	858.6	764.7	659.8	563.3	482.1	444.1	425.9	415.6	416.0
32.5°	961.5	925.1	885.9	736.6	607.2	494.4	423.1	397.0	382.4	372.1	370.5
35°	1001.8	965.8	904.1	694.3	540.3	431.1	382.8	361.4	343.2	329.7	327.0
37.5°	1051.7	1027.2	906.1	637.7	468.7	387.5	353.9	330.9	308.7	290.9	289.0
40°	1137.2	1109.1	889.8	566.8	407.7	359.4	329.7	303.2	277.5	257.7	254.9
42.5°	1259.1	1201.3	855.0	486.9	361.8	337.2	306.8	273.1	247.0	233.1	231.2
45°	1414.3	1304.3	802.7	411.7	327.7	315.5	282.6	247.4	233.5	223.6	221.7
47.5°	1604.3	1424.2	742.6	353.1	301.2	295.7	258.1	238.7	226.4	218.1	216.1
50°	1831.5	1577.0	693.1	307.2	277.5	272.7	250.2	233.5	223.6	216.9	215.3
52.5°	2090.8	1746.8	669.0	274.3	256.9	252.1	247.4	232.4	224.0	218.9	216.9
55°	2359.9	1925.7	646.4	249.0	239.5	242.2	247.8	236.3	230.0	223.2	221.3
57.5°	2620.0	2093.5	591.0	229.2	226.8	237.5	249.8	240.3	232.7	226.0	223.6
60°	2799.3	2185.4	497.2	213.4	217.3	231.6	244.6	234.3	224.8	222.1	220.9
62.5°	2847.6	2174.3	385.9	197.1	205.8	218.5	231.2	224.4	214.5	218.9	219.3
65°	2734.8	2055.5	289.7	181.3	190.8	201.5	217.3	214.5	211.0	222.9	223.2
67.5°	2415.4	1763.8	220.9	167.4	175.4	188.4	213.0	224.4	225.2	240.3	238.7
70°	1827.5	1317.7	173.0	154.4	163.5	188.4	226.8	232.0	222.5	236.3	233.1
72.5°	1263.5	869.6	147.2	142.9	148.8	179.7	226.4	226.4	216.1	216.1	210.2
75°	784.9	511.4	128.2	128.2	128.2	157.1	220.1	208.6	190.4	182.1	177.3
77.5°	387.5	248.6	107.7	111.6	107.3	131.4	179.7	170.6	159.5	150.8	147.6
80°	165.5	124.3	87.1	91.4	86.3	99.0	142.5	140.5	129.8	118.4	114.8
82.5°	76.0	64.1	69.7	71.6	62.9	74.4	104.1	104.1	98.2	82.3	76.4
85°	32.5	34.0	48.3	48.3	39.6	42.0	55.8	53.0	47.5	38.8	35.6
87.5°	11.1	16.6	24.5	21.4	8.3	3.6	2.0	0.8	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)