

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: P629819

Luminaire Tested: GWS-SA1C-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4700.1 lumens
Efficiency: N/A
Efficacy: 137.8 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

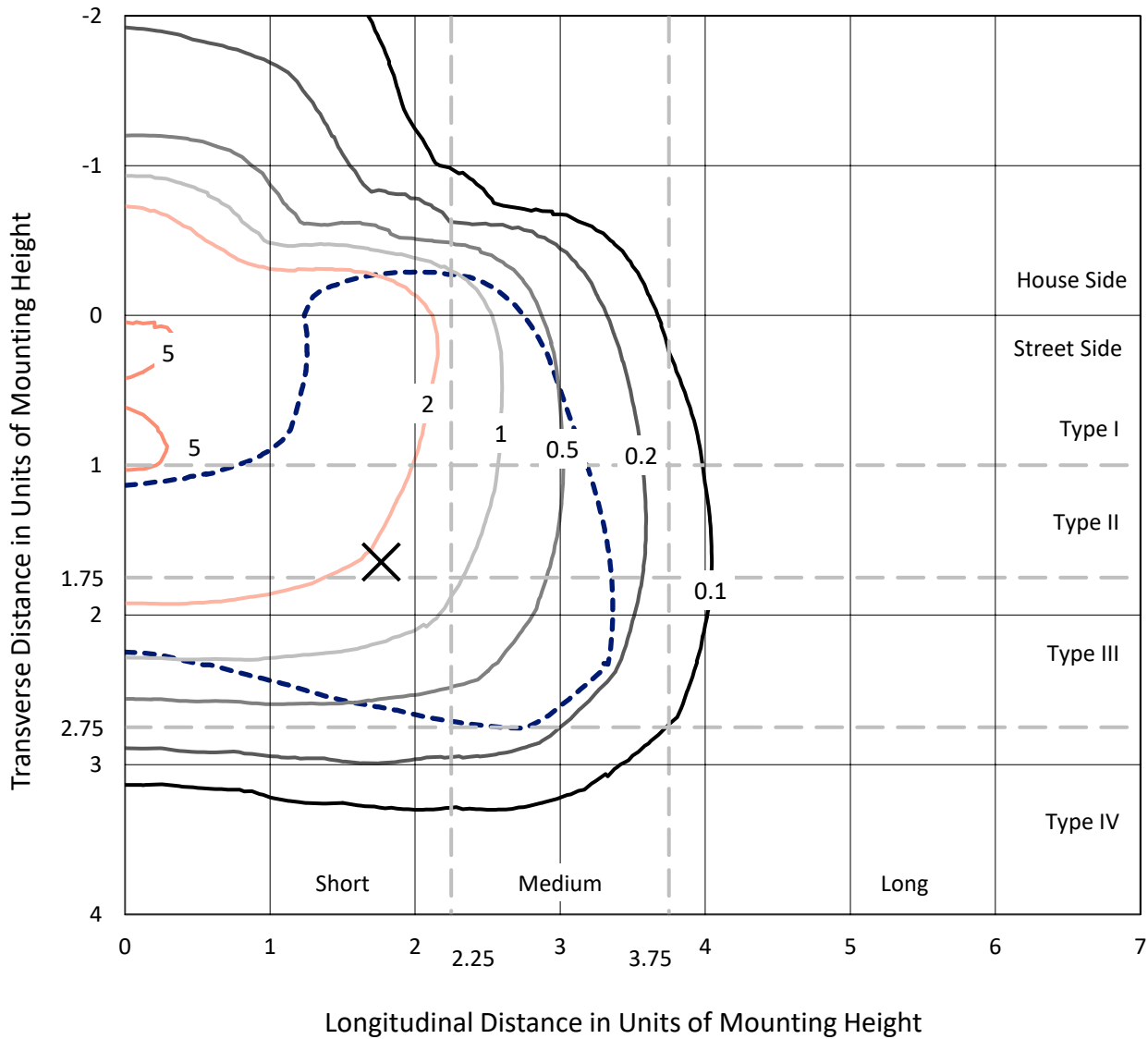
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

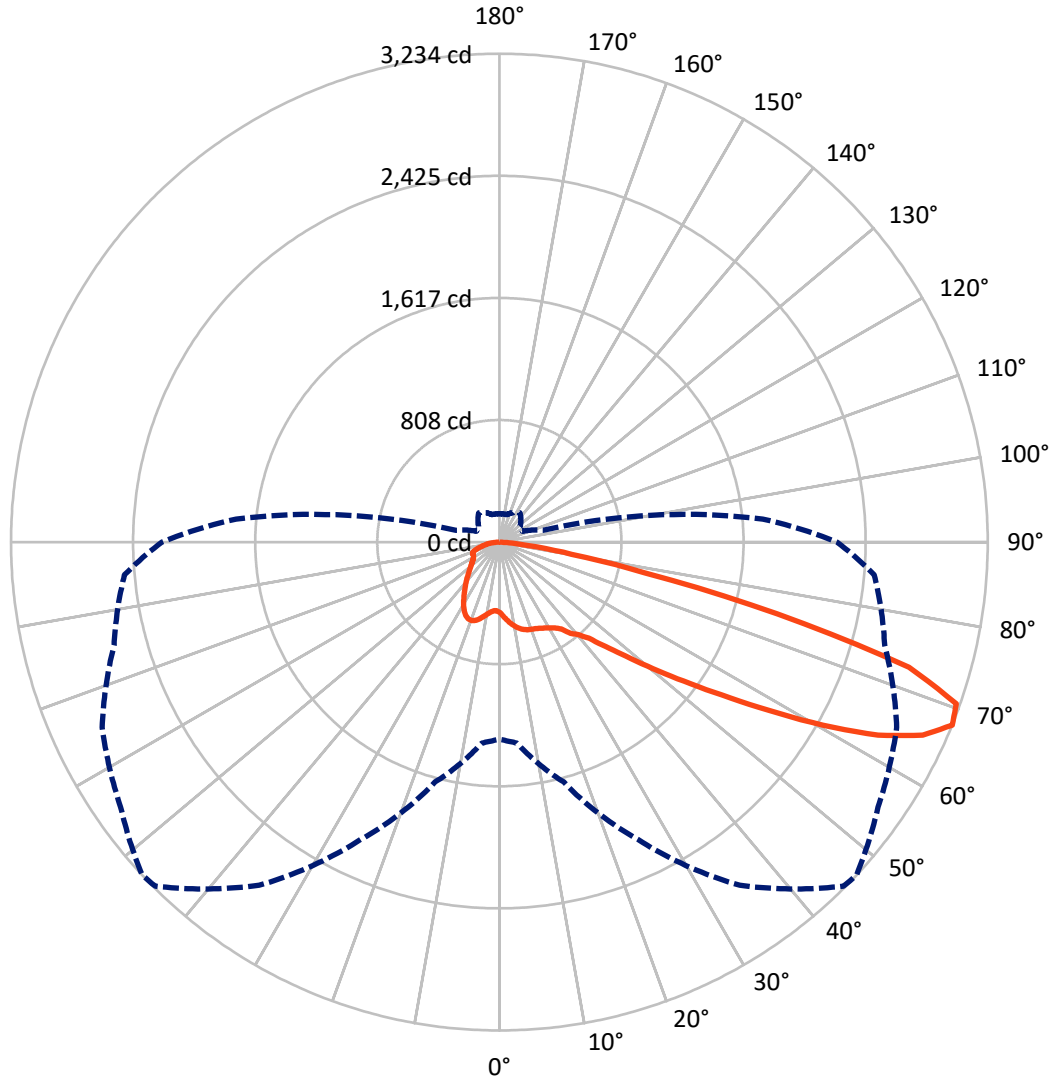
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.2	0.0	1071.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	3628.9	0.0	3628.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	4700.1	0.0	4700.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.0
10°-20°	158.6	3.4
20°-30°	269.7	5.7
30°-40°	395.0	8.4
40°-50°	601.9	12.8
50°-60°	1076.9	22.9
60°-70°	1436.9	30.6
70°-80°	649.8	13.8
80°-90°	63.7	1.4
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°	4700.1	100.0
0°-180°	4700.1	100.0

Coefficient of Utilization



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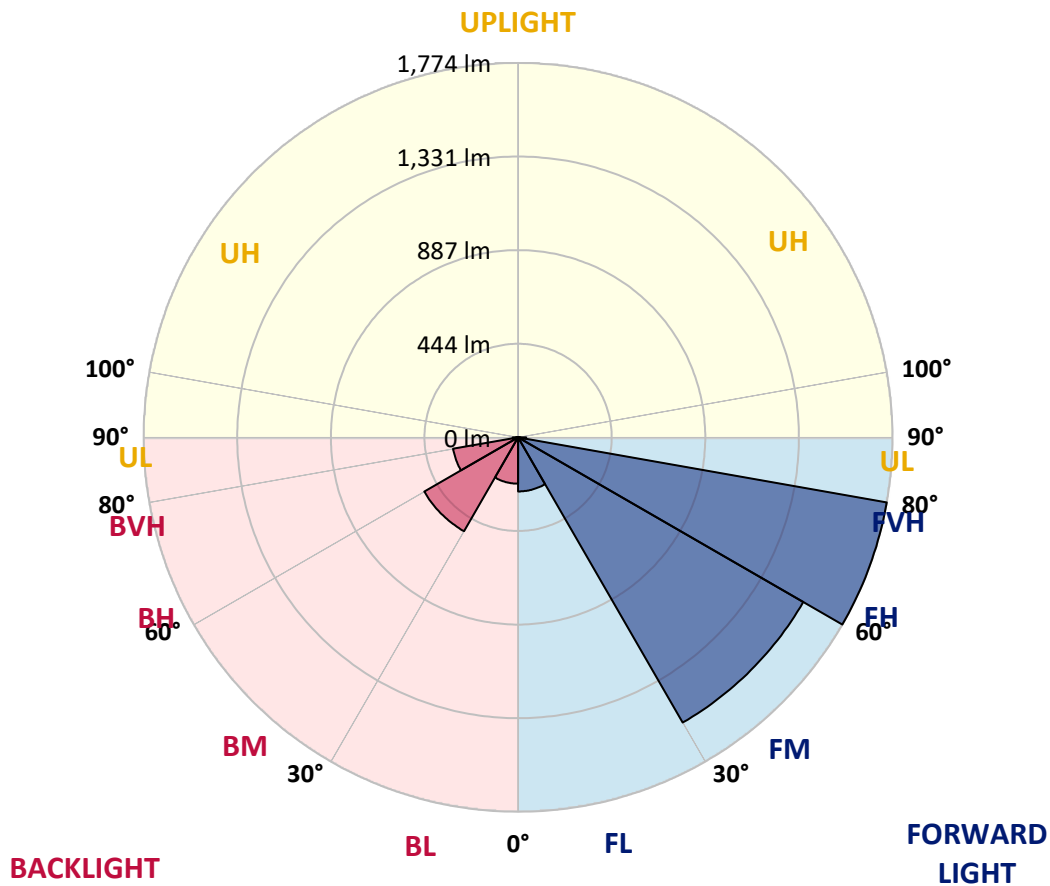
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.3	5.5			
FM (30°-60°)	1560.5	33.2			
FH (60°-80°)	1774.2	37.7			G1/1800
FVH (80°-90°)	37.9	0.8			G1/100
BL (0°-30°)	219.6	4.7	B1/500		
BM (30°-60°)	513.3	10.9	B1/1000		
BH (60°-80°)	312.5	6.6	B1/500		G1/500
BVH (80°-90°)	25.8	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°	47°	55°	65°	75°	85°
0°	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9
2.5°	496.9	498.6	498.2	495.5	493.8	490.7	491.1	486.3	479.2	474.4	469.0
5°	540.7	543.4	540.0	535.6	528.8	518.9	517.9	507.0	493.5	483.9	474.1
7.5°	578.8	580.5	576.4	568.9	559.0	545.8	543.4	530.5	513.5	498.6	484.3
10°	608.3	610.4	604.9	595.1	582.2	568.9	567.2	553.9	535.9	518.3	500.3
12.5°	633.5	634.2	628.4	615.1	601.2	587.6	585.9	573.7	557.0	539.0	519.3
15°	648.1	648.4	641.3	626.7	613.4	601.5	600.5	590.0	574.7	557.7	536.6
17.5°	647.1	647.7	642.6	629.7	618.2	611.0	610.0	603.2	591.3	576.0	555.0
20°	634.5	635.2	631.8	623.3	617.2	615.1	615.5	613.4	606.3	593.7	572.3
22.5°	624.6	625.7	622.6	616.5	615.8	620.6	621.6	622.6	619.2	608.0	587.3
25°	629.4	631.1	626.3	617.8	619.2	629.7	631.8	635.2	632.5	622.9	604.9
27.5°	662.4	663.4	651.1	633.8	629.7	640.9	644.0	649.4	647.4	638.6	624.6
30°	738.8	738.1	712.0	669.5	652.5	656.9	659.3	667.1	667.8	662.0	648.8
32.5°	846.6	843.2	802.7	735.1	685.8	674.9	677.7	688.2	696.0	689.9	671.9
35°	960.4	957.3	912.8	833.6	747.3	709.6	706.5	714.7	726.6	709.6	683.8
37.5°	1068.8	1064.1	1018.5	920.6	823.1	770.4	766.0	757.9	750.7	718.1	698.4
40°	1189.1	1183.7	1143.9	1033.1	906.7	817.0	805.8	773.5	767.0	746.3	736.4
42.5°	1317.6	1317.6	1284.6	1175.5	1007.6	883.6	869.0	820.4	827.2	813.6	802.0
45°	1446.0	1449.8	1423.6	1318.9	1142.6	1009.3	985.9	916.9	933.2	927.1	921.3
47.5°	1555.5	1562.6	1557.5	1465.4	1307.7	1162.3	1126.6	1054.9	1089.9	1104.5	1120.8
50°	1673.4	1681.2	1676.1	1639.8	1501.1	1347.5	1315.5	1241.5	1301.6	1345.4	1398.8
52.5°	1848.4	1859.6	1817.2	1803.2	1735.9	1557.9	1529.3	1445.0	1554.1	1626.8	1745.8
55°	1996.3	1995.9	1981.0	2012.9	1988.1	1815.1	1783.5	1707.0	1846.4	1923.5	2097.5
57.5°	2064.9	2073.1	2124.4	2214.8	2264.4	2129.5	2099.2	2021.1	2160.1	2200.2	2388.1
60°	2100.2	2110.4	2209.7	2388.4	2522.0	2472.7	2460.8	2361.2	2439.4	2434.7	2633.1
62.5°	2050.6	2071.0	2230.4	2468.0	2705.9	2817.7	2813.9	2663.4	2677.0	2630.4	2785.0
65°	1822.9	1845.0	2095.1	2428.2	2810.9	3080.0	3081.0	2936.9	2859.5	2725.6	2759.5
67.5°	1303.6	1335.3	1644.5	2172.6	2773.8	3221.7	3233.6	3061.0	2902.3	2641.3	2491.7
70°	710.6	733.7	976.0	1579.3	2440.1	3187.8	3209.8	3001.2	2713.3	2284.8	1918.1
72.5°	322.9	330.3	454.0	866.6	1666.9	2743.9	2836.4	2678.3	2228.4	1687.7	1219.7
75°	147.8	151.2	197.8	414.6	871.0	1836.2	1901.1	1994.9	1550.7	1065.8	635.9
77.5°	92.8	93.8	112.5	189.6	434.3	916.6	984.9	1187.8	908.1	527.4	265.8
80°	54.7	55.7	70.0	102.6	203.9	419.4	484.3	469.7	426.8	227.7	121.0
82.5°	27.5	28.5	40.4	58.5	111.1	166.9	196.4	197.5	159.0	123.4	68.3
85°	9.9	10.2	13.3	23.1	47.2	55.1	61.5	75.1	77.8	71.7	33.0
87.5°	0.0	0.0	0.3	0.7	1.4	5.4	5.8	10.9	22.8	25.5	13.3
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°	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9	465.9
2.5°	467.3	462.2	460.5	458.8	456.1	455.1	453.0	451.0	451.0	448.9	447.9
5°	469.7	462.9	458.5	456.4	454.7	455.7	455.7	456.4	458.8	457.4	458.1
7.5°	478.2	470.3	464.2	462.5	462.5	466.6	469.3	472.7	477.1	477.8	477.8
10°	493.1	483.9	477.5	476.5	478.2	483.9	488.0	492.1	497.5	497.9	498.6
12.5°	509.4	500.3	493.8	495.2	496.9	504.3	508.7	512.1	517.6	517.6	517.2
15°	526.4	516.2	510.8	513.5	518.6	527.1	527.8	528.1	530.8	530.2	529.8
17.5°	544.1	533.2	529.1	533.2	538.7	542.7	539.3	534.6	533.6	532.2	531.5
20°	561.4	550.2	548.5	551.6	553.3	549.9	539.3	530.5	526.4	524.4	523.7
22.5°	576.4	566.9	565.8	565.8	557.3	545.5	529.8	517.9	512.5	509.8	509.1
25°	594.1	585.2	583.5	574.3	552.6	530.8	509.8	498.9	494.5	493.1	493.5
27.5°	614.8	608.7	603.2	577.1	539.0	505.0	481.2	476.5	474.8	476.5	477.5
30°	640.3	634.2	621.9	573.7	517.2	471.4	448.6	448.3	453.4	457.8	458.5
32.5°	661.0	658.3	638.2	562.8	486.7	434.3	415.0	416.3	425.5	431.6	432.6
35°	677.3	681.7	651.8	544.8	450.3	399.3	384.0	384.7	389.8	398.3	398.6
37.5°	700.4	715.4	664.1	517.2	408.5	369.1	355.1	350.0	349.4	351.7	352.4
40°	747.0	769.4	672.9	477.1	368.1	341.9	326.3	316.4	307.9	301.4	299.4
42.5°	817.3	843.2	678.0	428.5	332.0	315.0	297.4	284.8	269.8	256.2	251.5
45°	946.5	955.0	678.0	376.9	300.1	289.9	272.2	257.3	238.2	222.3	218.9
47.5°	1153.1	1125.9	678.7	326.9	271.9	267.8	252.5	235.5	214.4	201.2	199.1
50°	1464.4	1368.9	692.6	285.5	248.4	249.1	237.9	219.2	200.2	190.3	188.6
52.5°	1817.2	1668.3	730.0	254.9	228.7	233.8	227.7	209.7	192.7	184.2	182.5
55°	2148.8	1943.6	761.9	233.1	212.1	220.9	220.6	203.9	188.6	180.1	179.1
57.5°	2430.9	2132.2	757.2	215.5	197.8	209.0	214.1	200.2	185.9	178.8	177.7
60°	2606.3	2232.1	689.5	199.1	186.9	200.5	210.4	199.1	187.3	185.6	185.9
62.5°	2682.4	2213.8	559.7	186.9	179.8	196.4	214.4	206.3	199.8	203.9	206.3
65°	2564.1	2056.1	411.9	177.7	173.0	197.5	224.0	217.5	199.8	202.5	203.6
67.5°	2235.8	1750.2	297.7	168.6	164.5	200.5	237.6	215.8	188.3	188.3	186.2
70°	1611.2	1258.8	216.1	159.4	156.0	196.1	238.2	204.2	175.0	174.0	168.9
72.5°	969.6	742.6	168.6	149.2	143.1	174.0	223.3	190.7	162.1	153.6	147.5
75°	503.7	372.1	141.4	138.0	122.7	147.5	204.2	169.6	138.7	131.2	127.8
77.5°	215.8	174.0	121.3	123.0	102.0	124.0	164.8	146.8	123.0	113.5	110.4
80°	106.4	98.9	95.8	98.6	81.6	95.8	142.1	128.5	104.3	93.5	89.0
82.5°	60.8	57.8	69.0	70.0	58.1	80.2	120.0	108.8	86.3	74.4	67.3
85°	28.2	30.2	41.8	42.1	36.0	55.1	78.5	61.2	45.9	38.1	36.4
87.5°	11.2	13.3	18.4	18.0	10.5	10.2	6.8	3.7	3.1	2.7	2.4
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)