

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: P629336

Luminaire Tested: GWS-SA1B-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3005.5 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

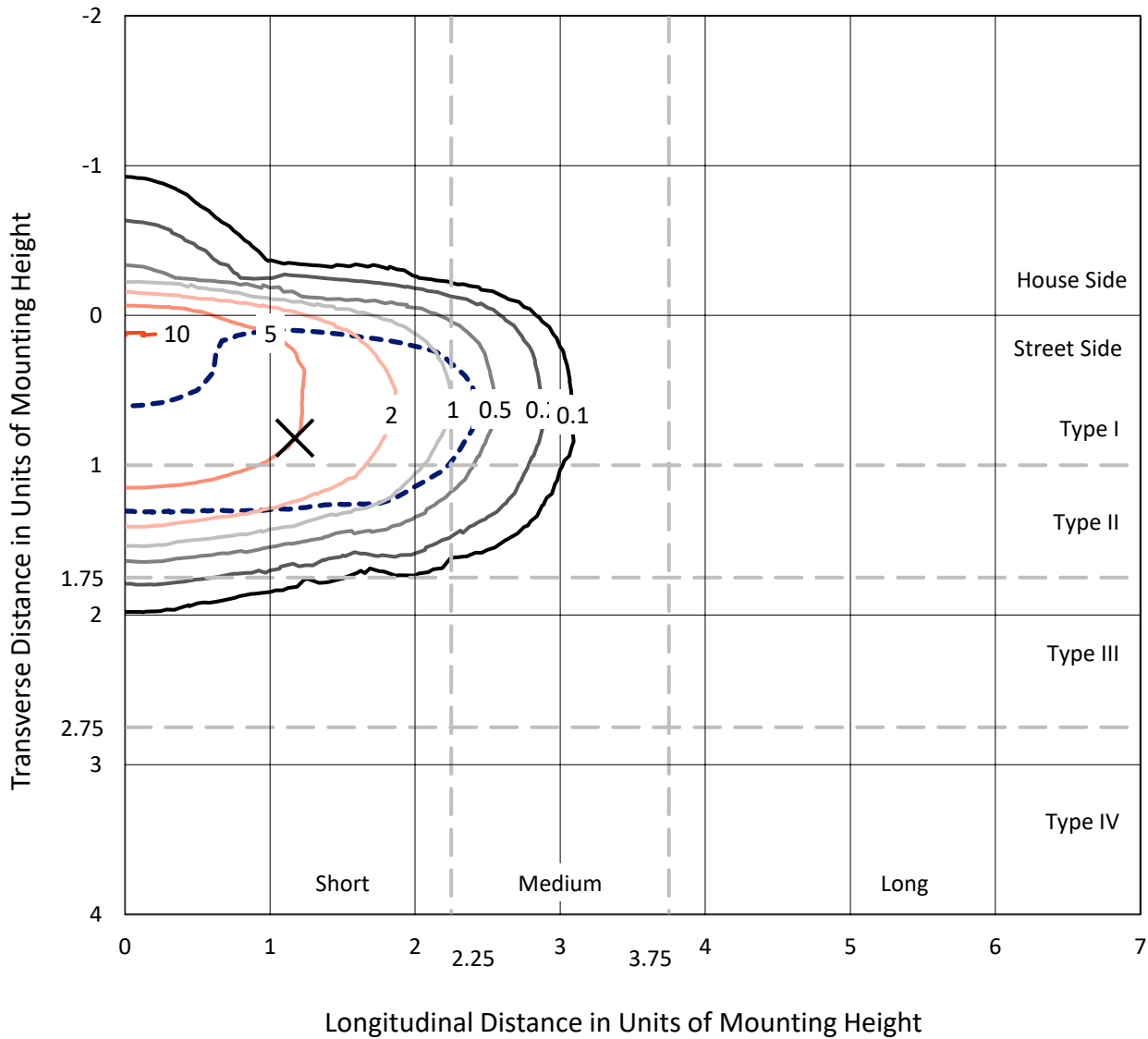
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

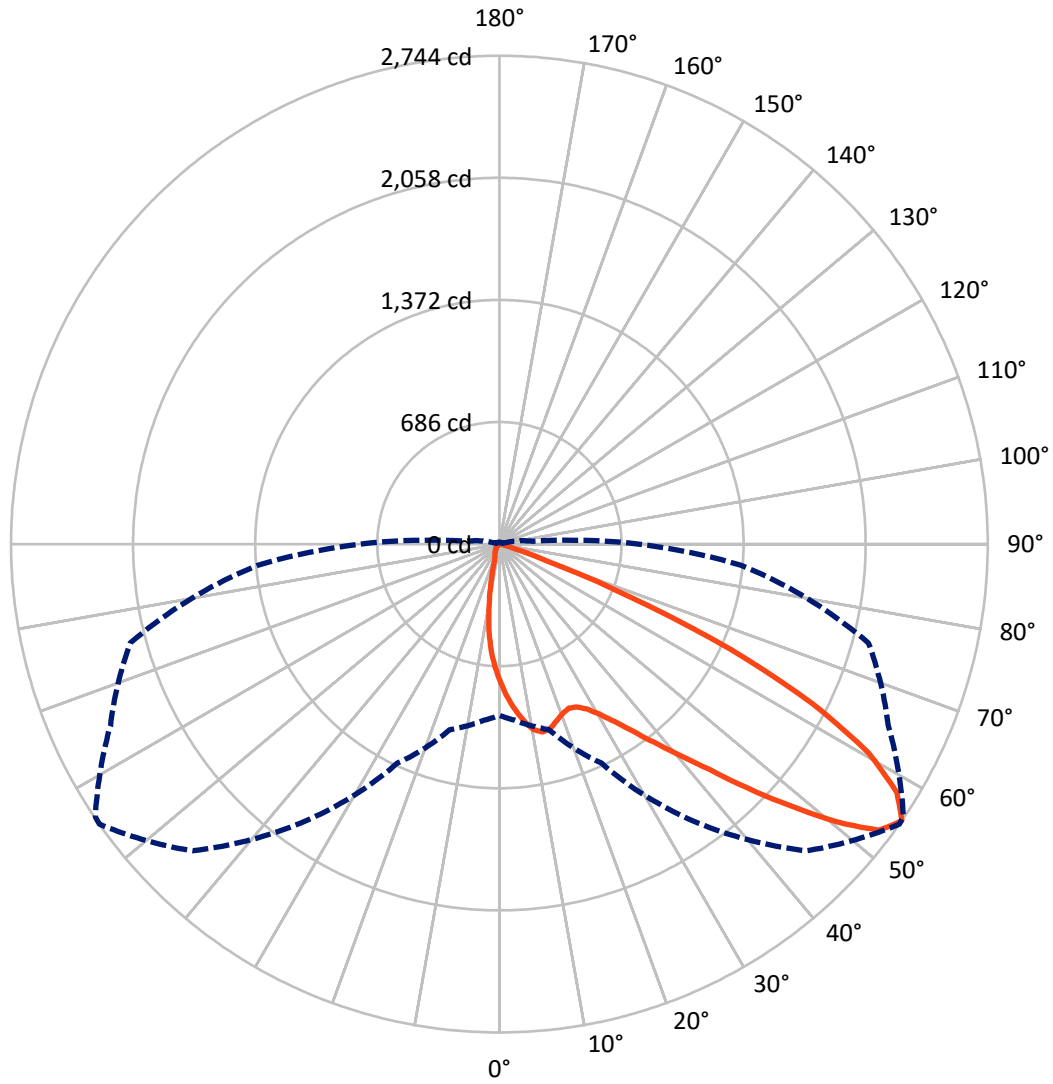
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	185.5	0.0	185.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2820.1	0.0	2820.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	3005.5	0.0	3005.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	2.3
10°-20°	165.4	5.5
20°-30°	275.5	9.2
30°-40°	469.5	15.6
40°-50°	766.4	25.5
50°-60°	802.3	26.7
60°-70°	404.7	13.5
70°-80°	51.1	1.7
80°-90°	1.9	0.1
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°	3005.5	100.0
0°-180°	3005.5	100.0

Coefficient of Utilization

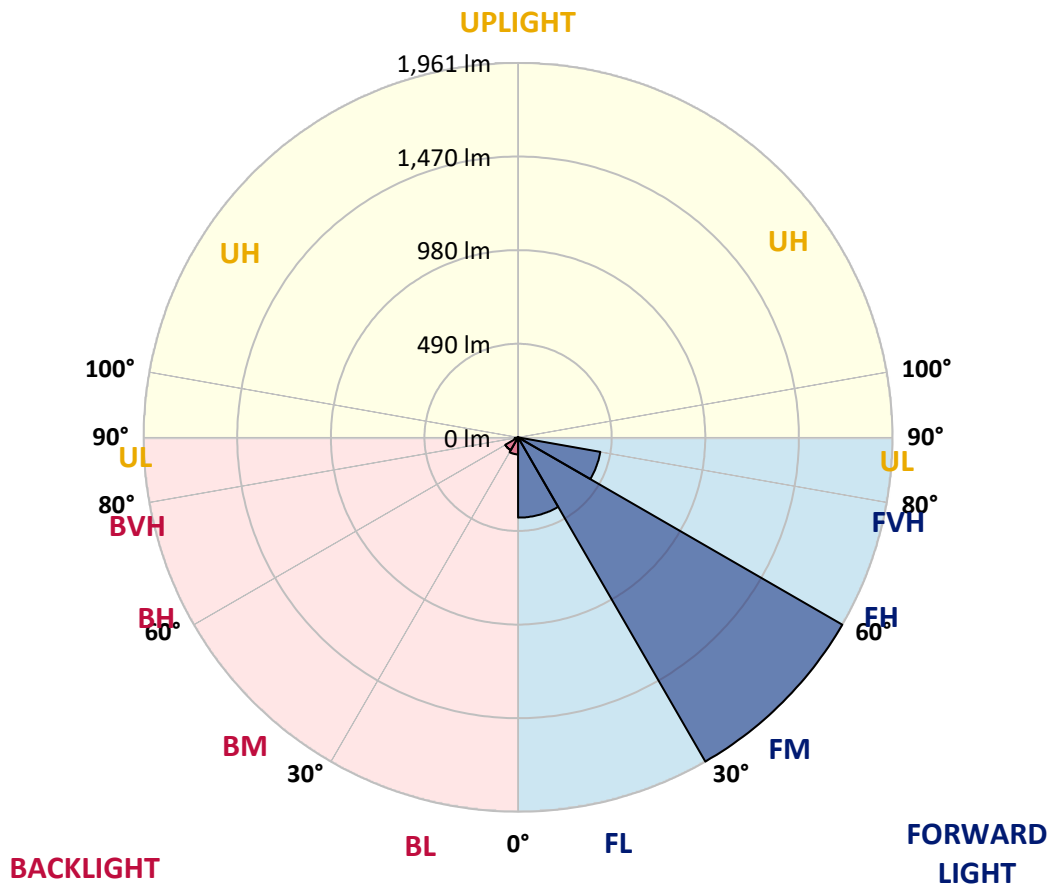


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.4	14.0			
FM (30°-60°)	1960.7	65.2			
FH (60°-80°)	437.2	14.5			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	89.1	3.0	B0/110		
BM (30°-60°)	77.5	2.6	B0/220		
BH (60°-80°)	18.6	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4
2.5°	905.2	900.8	907.5	899.8	886.7	875.6	861.2	856.1	833.0	811.1	790.1
5°	1015.1	1016.4	1014.4	1003.6	985.1	964.5	935.5	929.1	888.7	847.1	802.1
7.5°	1042.4	1041.6	1046.0	1050.1	1047.0	1036.7	1005.1	998.7	948.6	886.2	820.6
10°	958.4	958.9	967.9	995.6	1030.0	1065.7	1060.9	1057.3	1008.2	930.3	841.2
12.5°	839.7	844.3	853.8	893.3	951.7	1032.9	1083.2	1086.8	1062.9	978.9	865.3
15°	788.3	789.3	797.0	820.9	864.3	964.5	1073.7	1083.7	1108.7	1027.7	891.6
17.5°	787.0	788.3	791.6	802.1	830.4	910.8	1043.1	1060.6	1143.1	1080.1	922.9
20°	835.3	834.5	832.2	826.5	838.9	893.1	1014.9	1034.1	1161.8	1131.3	954.5
22.5°	922.9	921.9	911.6	888.2	878.2	909.3	1001.0	1018.5	1173.1	1176.7	980.4
25°	1023.9	1031.1	1011.8	976.3	951.7	950.6	1013.3	1025.7	1182.9	1217.1	998.2
27.5°	1134.6	1136.9	1120.5	1080.7	1044.9	1016.9	1049.0	1058.3	1193.7	1253.1	1008.2
30°	1256.1	1255.4	1236.6	1190.4	1146.9	1106.6	1109.2	1112.8	1218.9	1294.2	1019.2
32.5°	1408.0	1411.3	1377.9	1315.0	1262.8	1207.1	1187.8	1188.3	1264.4	1347.1	1035.9
35°	1614.3	1606.1	1561.9	1472.2	1383.3	1323.2	1290.3	1287.5	1334.5	1418.3	1065.0
37.5°	1810.8	1811.6	1765.4	1666.7	1554.4	1459.6	1413.1	1405.4	1433.2	1516.9	1113.3
40°	1947.3	1949.8	1930.6	1878.9	1760.0	1625.9	1557.5	1549.6	1561.1	1641.8	1176.5
42.5°	2019.5	2026.7	2032.1	2044.1	1954.0	1833.5	1728.4	1727.6	1715.5	1784.1	1249.7
45°	2022.3	2033.1	2066.0	2148.5	2158.7	2070.3	1956.0	1938.8	1892.3	1936.5	1315.2
47.5°	1910.5	1935.5	2005.3	2168.8	2276.7	2306.0	2192.6	2182.1	2051.6	2057.0	1364.3
50°	1650.0	1676.0	1804.7	2064.7	2306.5	2493.0	2452.4	2430.6	2184.7	2136.6	1387.9
52.5°	1382.8	1406.4	1493.8	1817.0	2182.9	2551.8	2671.3	2645.4	2304.2	2164.4	1378.2
55°	962.2	993.8	1079.1	1358.1	1898.2	2437.2	2743.8	2738.4	2410.8	2146.9	1363.0
57.5°	471.7	503.1	588.1	837.3	1406.2	2127.9	2633.0	2661.5	2474.5	2128.2	1350.7
60°	197.1	209.9	239.2	367.4	786.7	1608.1	2383.0	2422.6	2435.4	2102.7	1349.4
62.5°	114.3	116.4	119.5	152.4	306.0	921.9	1976.8	2033.1	2230.2	2069.1	1329.1
65°	86.3	87.1	85.8	93.5	126.4	349.7	1428.3	1504.8	1861.5	1937.5	1248.9
67.5°	70.9	70.9	67.6	69.1	79.4	131.0	788.5	895.4	1377.4	1592.5	1031.3
70°	56.5	57.8	56.3	54.2	56.8	72.5	280.6	347.9	802.1	940.4	601.5
72.5°	42.9	42.9	45.5	43.9	42.1	45.5	97.9	110.0	321.9	392.1	217.1
75°	33.1	34.2	36.0	34.4	31.9	27.0	47.0	49.8	97.1	91.2	48.6
77.5°	17.0	17.2	22.9	25.2	23.6	16.4	20.6	22.6	31.6	28.3	18.0
80°	10.3	10.8	12.8	19.8	15.7	8.7	8.5	9.0	14.9	12.8	7.5
82.5°	4.4	4.6	7.2	7.2	6.4	3.3	3.3	3.3	7.2	6.7	3.1
85°	0.0	0.0	1.3	1.0	1.0	1.3	1.3	1.3	1.8	2.6	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
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°	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4	776.4
2.5°	776.4	760.0	737.9	717.9	690.9	675.7	654.7	637.4	622.8	618.2	616.1
5°	776.7	748.4	701.2	653.9	595.8	550.1	503.1	465.8	435.2	425.5	422.9
7.5°	781.8	740.2	663.7	577.8	480.7	400.6	328.9	264.6	234.8	224.8	222.8
10°	788.8	733.3	620.2	486.6	347.1	244.1	172.9	131.8	112.3	101.5	103.0
12.5°	797.8	727.6	572.2	388.0	229.7	134.1	95.1	79.6	75.5	73.5	72.5
15°	809.8	720.9	512.6	290.1	140.8	86.3	73.2	69.1	67.6	66.5	66.3
17.5°	822.2	713.2	451.9	204.0	93.5	71.7	65.8	63.7	62.7	61.9	61.7
20°	835.3	700.1	380.8	140.5	73.7	64.5	60.6	58.3	57.0	55.8	55.5
22.5°	840.9	679.1	312.7	98.4	65.5	59.4	54.5	51.6	50.1	49.1	49.1
25°	835.5	644.9	242.3	74.8	59.6	53.7	48.8	45.7	44.4	43.4	43.4
27.5°	821.2	601.0	176.8	61.9	53.2	47.8	43.2	40.3	39.3	38.8	38.8
30°	805.2	545.5	124.6	53.2	46.0	41.6	37.8	36.0	35.7	35.2	35.2
32.5°	791.6	493.6	85.8	46.8	40.6	36.2	33.7	32.9	33.1	32.6	32.9
35°	784.2	442.7	63.7	41.6	36.2	32.1	30.8	30.8	30.8	30.6	30.6
37.5°	787.2	392.6	51.9	38.0	32.4	29.3	28.0	28.5	29.0	29.0	29.0
40°	802.7	348.1	46.0	34.7	29.0	26.7	25.7	26.5	27.2	27.7	27.7
42.5°	822.2	312.2	41.6	31.9	26.7	24.2	23.6	24.4	25.2	25.7	25.7
45°	834.5	275.9	37.3	28.3	24.4	21.3	21.3	22.4	22.1	22.4	22.4
47.5°	840.2	247.2	32.9	24.4	20.8	18.5	18.8	19.3	18.8	19.3	19.3
50°	826.3	218.1	29.0	20.3	17.2	16.2	16.7	16.4	16.4	17.5	17.5
52.5°	800.9	196.6	25.7	17.2	14.6	14.4	14.9	13.9	14.1	14.1	13.9
55°	782.1	184.2	22.9	14.9	12.6	12.8	12.6	10.8	9.8	8.7	8.5
57.5°	772.8	179.3	20.8	13.4	11.3	11.3	10.3	7.5	5.7	4.4	3.9
60°	770.8	173.4	18.8	11.6	10.0	9.5	7.5	4.4	2.8	2.1	1.8
62.5°	751.3	159.0	17.0	9.2	8.7	7.7	4.6	2.6	1.5	1.0	0.8
65°	687.3	130.8	15.2	7.2	6.7	5.7	2.8	1.5	0.8	0.3	0.0
67.5°	546.7	92.8	13.4	5.4	4.6	3.6	1.8	1.0	0.3	0.0	0.0
70°	315.3	50.1	11.0	3.9	3.1	2.3	1.3	0.5	0.0	0.0	0.0
72.5°	105.3	23.4	8.5	2.6	2.3	1.8	0.8	0.3	0.0	0.0	0.0
75°	23.1	13.9	5.7	1.8	1.5	1.3	0.5	0.0	0.0	0.0	0.0
77.5°	8.7	9.8	2.8	1.3	1.0	0.8	0.3	0.0	0.0	0.0	0.0
80°	3.3	6.4	1.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	2.6	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.0	1.3	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	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)