

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: P629862

Luminaire Tested: GWS-SA1C-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2968.1 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

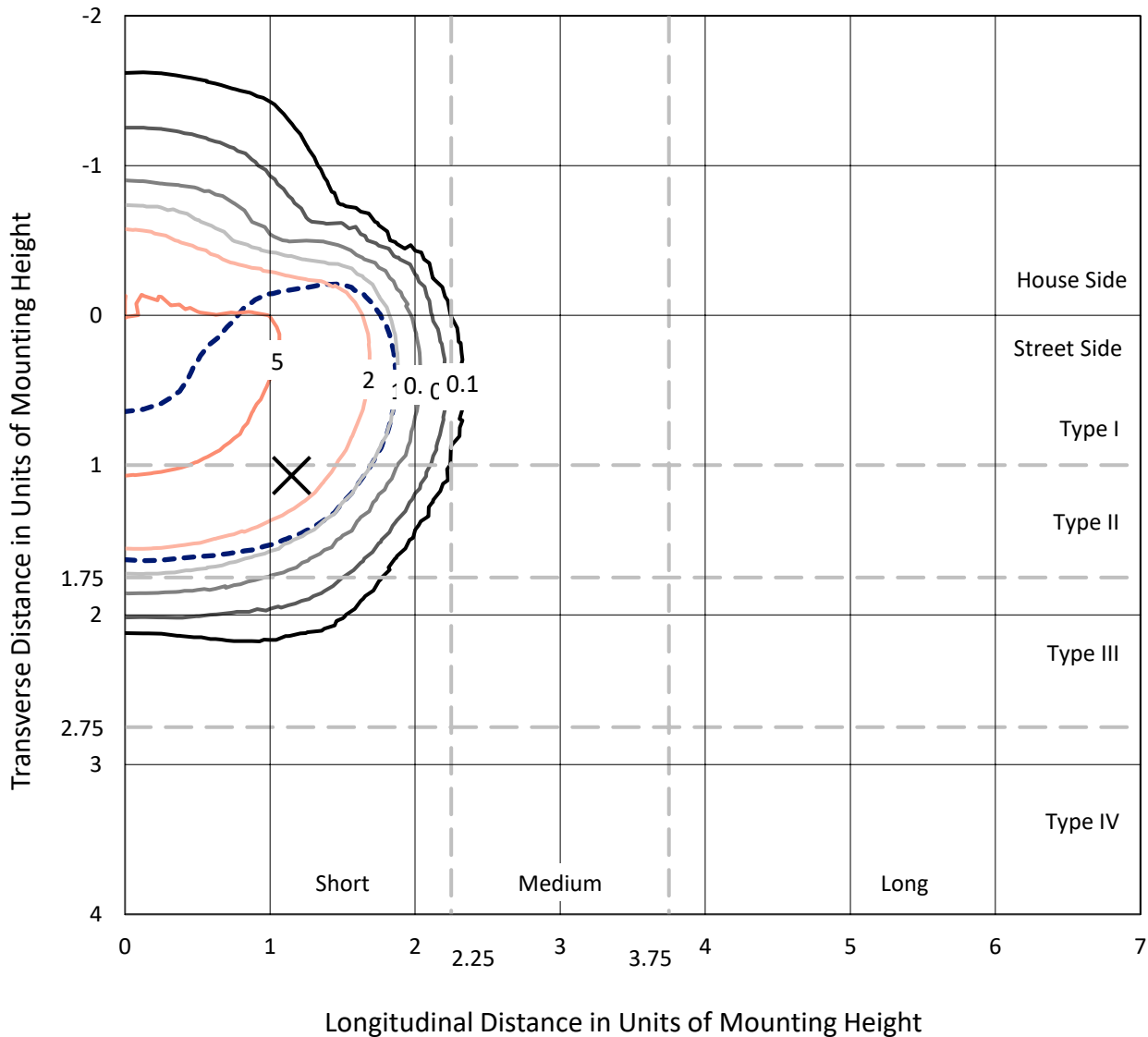
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

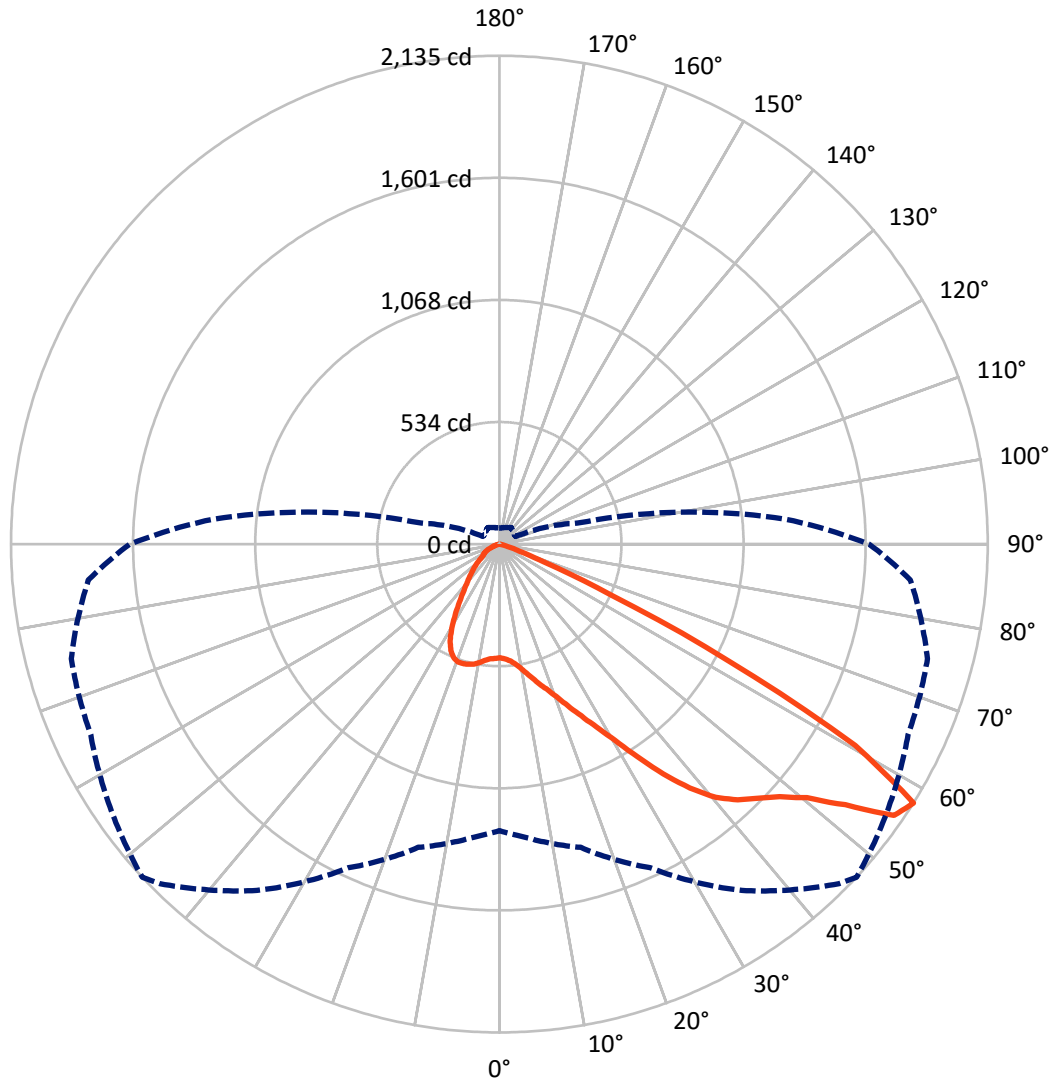
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA1C-740-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	643.9	0.0	643.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2324.2	0.0	2324.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	2968.1	0.0	2968.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.7
10°-20°	166.8	5.6
20°-30°	309.7	10.4
30°-40°	495.8	16.7
40°-50°	724.7	24.4
50°-60°	894.4	30.1
60°-70°	298.9	10.1
70°-80°	27.9	0.9
80°-90°	0.6	0.0
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°	2968.1	100.0
0°-180°	2968.1	100.0

Coefficient of Utilization



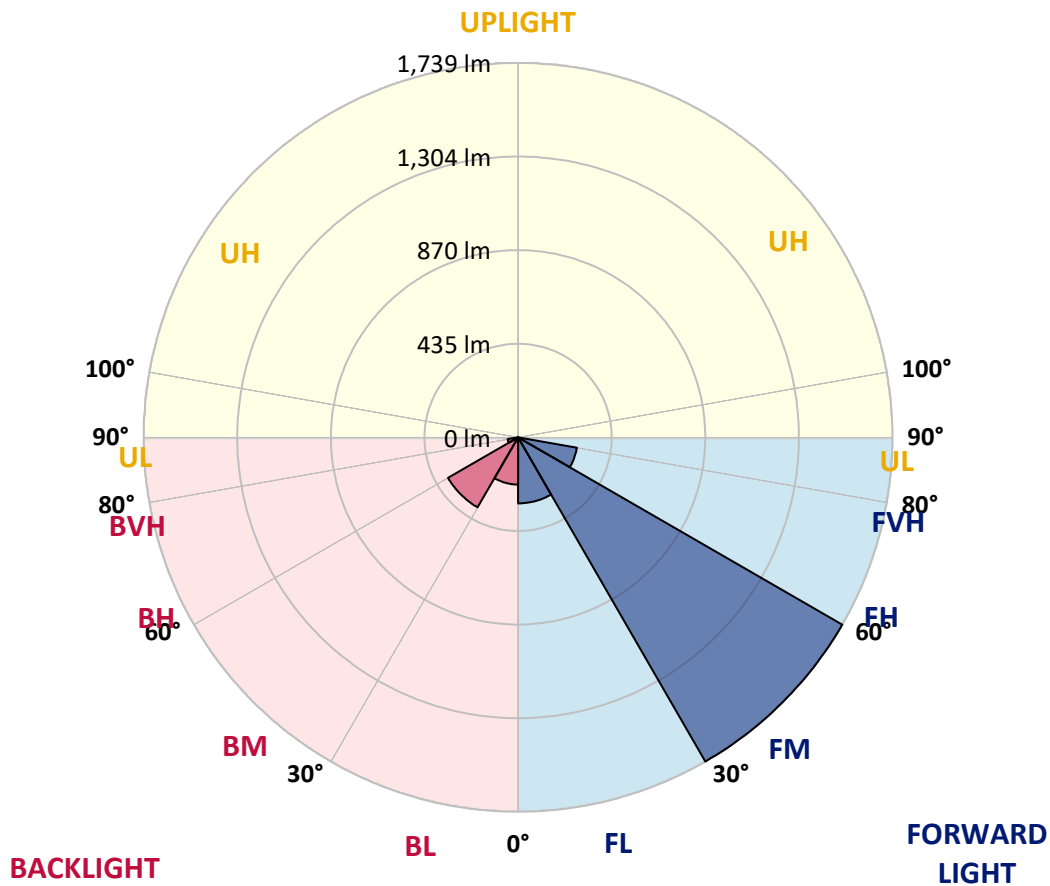
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.7	10.3			
FM (30°-60°)	1739.3	58.6			
FH (60°-80°)	277.8	9.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	219.2	7.4	B1/500		
BM (30°-60°)	375.6	12.7	B1/1000		
BH (60°-80°)	49.0	1.6	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: B1-U0-G0
 Type II Short





REPORT NUMBER: P629862

CATALOG NUMBER: GWS-SA1C-740-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9
2.5°	502.0	501.7	501.3	503.4	502.7	502.4	503.1	503.1	503.1	501.0	496.9
5°	514.1	514.1	513.7	515.8	514.1	513.1	513.4	513.4	512.0	508.2	503.1
7.5°	533.0	532.4	531.7	533.7	532.0	531.7	532.4	530.3	527.9	521.7	514.4
10°	560.3	560.3	559.2	561.3	559.9	559.2	559.2	557.9	553.4	543.7	533.0
12.5°	597.8	596.1	593.7	592.0	591.3	590.9	591.3	589.2	584.4	572.0	557.2
15°	638.8	637.4	633.7	630.9	627.1	626.4	628.5	626.8	621.9	605.1	584.0
17.5°	690.5	692.2	682.6	676.7	665.7	665.0	665.7	668.5	665.0	643.3	612.6
20°	734.6	736.0	728.8	724.6	714.6	710.1	711.5	716.0	712.2	686.7	644.0
22.5°	781.8	783.5	776.0	767.3	762.9	762.9	768.0	774.2	769.1	735.6	679.8
25°	838.3	839.7	833.5	822.1	814.2	824.2	831.8	848.3	839.7	794.2	722.2
27.5°	903.1	903.5	894.5	882.8	878.6	897.2	904.8	930.3	926.9	860.0	767.0
30°	972.4	972.7	970.6	962.7	958.9	983.4	993.7	1030.6	1028.2	941.7	828.0
32.5°	1044.4	1044.4	1048.2	1047.5	1052.0	1091.9	1108.5	1150.5	1148.1	1041.6	903.8
35°	1116.7	1117.1	1123.6	1140.2	1158.8	1211.8	1233.5	1284.5	1279.0	1161.2	1000.6
37.5°	1199.1	1195.6	1204.6	1229.4	1270.8	1332.1	1352.8	1401.3	1395.1	1283.5	1127.1
40°	1298.3	1292.1	1292.1	1321.1	1367.9	1438.6	1456.1	1480.3	1459.2	1382.4	1251.1
42.5°	1407.9	1402.0	1394.5	1420.0	1459.2	1514.4	1528.8	1522.3	1505.1	1475.8	1392.4
45°	1518.8	1509.9	1515.1	1530.6	1553.3	1579.5	1585.0	1554.7	1546.8	1555.0	1509.2
47.5°	1603.3	1597.1	1609.8	1631.5	1650.1	1653.9	1650.1	1608.1	1607.4	1636.7	1590.2
50°	1631.5	1632.2	1667.4	1714.9	1744.9	1748.0	1742.8	1694.6	1688.0	1696.6	1633.9
52.5°	1634.3	1637.0	1688.4	1779.0	1860.7	1897.9	1893.7	1841.7	1777.6	1768.3	1700.1
55°	1567.8	1584.0	1655.6	1787.9	1961.6	2080.5	2094.3	1994.7	1899.6	1891.7	1842.4
57.5°	1253.2	1286.3	1372.7	1561.2	1848.9	2099.4	2135.3	2063.6	1971.6	1937.8	1804.1
60°	749.1	790.1	873.1	1104.3	1407.2	1725.6	1787.3	1797.3	1754.9	1657.4	1384.1
62.5°	321.5	318.0	420.4	597.5	836.9	1096.8	1124.7	1168.1	1204.9	1103.0	840.1
65°	110.3	119.9	166.8	269.5	419.0	509.3	534.1	573.0	625.4	516.2	307.7
67.5°	68.2	72.4	96.1	159.2	226.0	222.6	211.6	205.4	199.8	136.8	84.4
70°	49.6	53.1	67.5	109.6	152.0	106.8	92.7	75.1	83.4	76.8	60.0
72.5°	33.4	36.2	46.5	66.5	77.9	52.0	48.2	54.8	66.2	63.1	48.9
75°	20.0	21.7	26.5	32.4	31.7	26.9	27.2	38.6	50.7	47.2	34.8
77.5°	13.8	14.5	17.6	21.0	15.5	8.3	7.6	10.7	17.2	17.2	11.7
80°	3.4	4.5	4.5	2.8	2.4	2.1	2.1	3.1	4.8	3.4	1.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
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°	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9	496.9
2.5°	499.3	495.1	497.9	497.2	499.3	500.0	496.9	496.2	496.5	492.4	491.0
5°	504.1	499.3	500.7	499.3	501.7	503.8	502.7	504.1	505.8	502.7	501.3
7.5°	514.4	509.6	509.3	507.2	510.6	512.0	511.7	515.5	518.9	516.8	514.8
10°	532.4	525.8	525.1	523.4	524.4	525.5	521.7	522.4	525.5	523.1	522.0
12.5°	554.4	546.5	544.8	540.6	540.6	535.5	527.2	525.5	527.9	526.2	524.4
15°	578.2	567.5	564.7	557.5	550.6	541.0	532.4	530.3	532.0	529.9	528.6
17.5°	604.7	592.7	583.7	570.9	555.8	544.4	534.8	530.3	527.5	523.4	523.1
20°	630.9	615.0	599.9	579.6	559.6	542.3	526.5	514.8	504.8	498.6	496.2
22.5°	661.2	637.8	613.3	584.7	556.1	529.9	502.0	482.0	464.8	459.0	456.2
25°	693.6	663.3	626.8	589.6	544.4	502.4	464.5	434.8	412.1	404.5	401.4
27.5°	729.4	687.8	640.5	588.5	520.3	463.1	412.8	375.9	353.5	346.6	349.0
30°	774.9	719.5	657.8	577.8	484.1	408.0	349.0	318.0	301.2	294.6	294.9
32.5°	835.6	764.9	682.9	555.1	437.6	345.3	293.6	270.8	259.5	250.8	250.2
35°	922.4	834.2	706.4	518.6	381.1	289.4	251.9	234.0	218.1	208.1	209.8
37.5°	1026.5	921.4	719.1	469.3	317.7	246.0	220.5	202.3	184.3	169.5	171.2
40°	1149.8	1035.4	718.1	404.5	259.8	216.4	194.3	173.0	150.6	137.1	138.5
42.5°	1287.3	1143.3	695.7	336.0	215.4	192.3	169.2	142.3	120.6	112.3	112.7
45°	1406.5	1230.8	656.4	265.0	181.2	168.8	143.0	115.4	105.8	99.9	99.6
47.5°	1494.7	1294.9	600.2	208.5	153.7	147.5	117.5	103.4	95.8	91.0	90.3
50°	1544.0	1317.3	538.2	163.3	129.9	125.1	105.1	93.7	88.6	85.5	84.8
52.5°	1610.2	1344.1	493.8	128.9	108.9	102.3	96.8	87.2	83.7	81.3	80.3
55°	1714.9	1396.2	455.2	102.3	90.6	89.2	91.3	83.4	81.3	77.5	76.1
57.5°	1616.4	1254.2	353.5	79.3	76.5	81.7	88.2	79.6	74.4	71.0	69.6
60°	1137.4	833.8	177.8	63.7	68.2	76.5	83.0	72.0	66.8	67.5	66.8
62.5°	627.1	417.3	79.9	53.4	59.3	67.5	71.0	62.4	58.9	64.8	65.8
65°	205.0	142.0	46.2	41.3	46.9	55.1	61.3	59.3	58.6	65.5	67.5
67.5°	63.1	46.9	31.4	29.6	32.4	40.7	51.7	64.1	68.9	71.0	72.0
70°	47.2	36.9	26.9	25.2	26.5	31.0	43.8	53.4	50.3	50.7	50.0
72.5°	37.9	29.3	23.1	22.1	22.1	21.4	23.1	28.9	32.7	34.5	34.5
75°	26.5	20.7	17.6	16.2	12.7	10.3	9.3	9.3	8.3	7.9	7.6
77.5°	9.0	7.6	6.9	5.5	3.8	3.1	2.8	2.4	1.7	1.0	0.7
80°	1.4	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.3	0.3	0.3	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)