

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P451062

Luminaire Tested: **GALN-SA1D-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6510 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

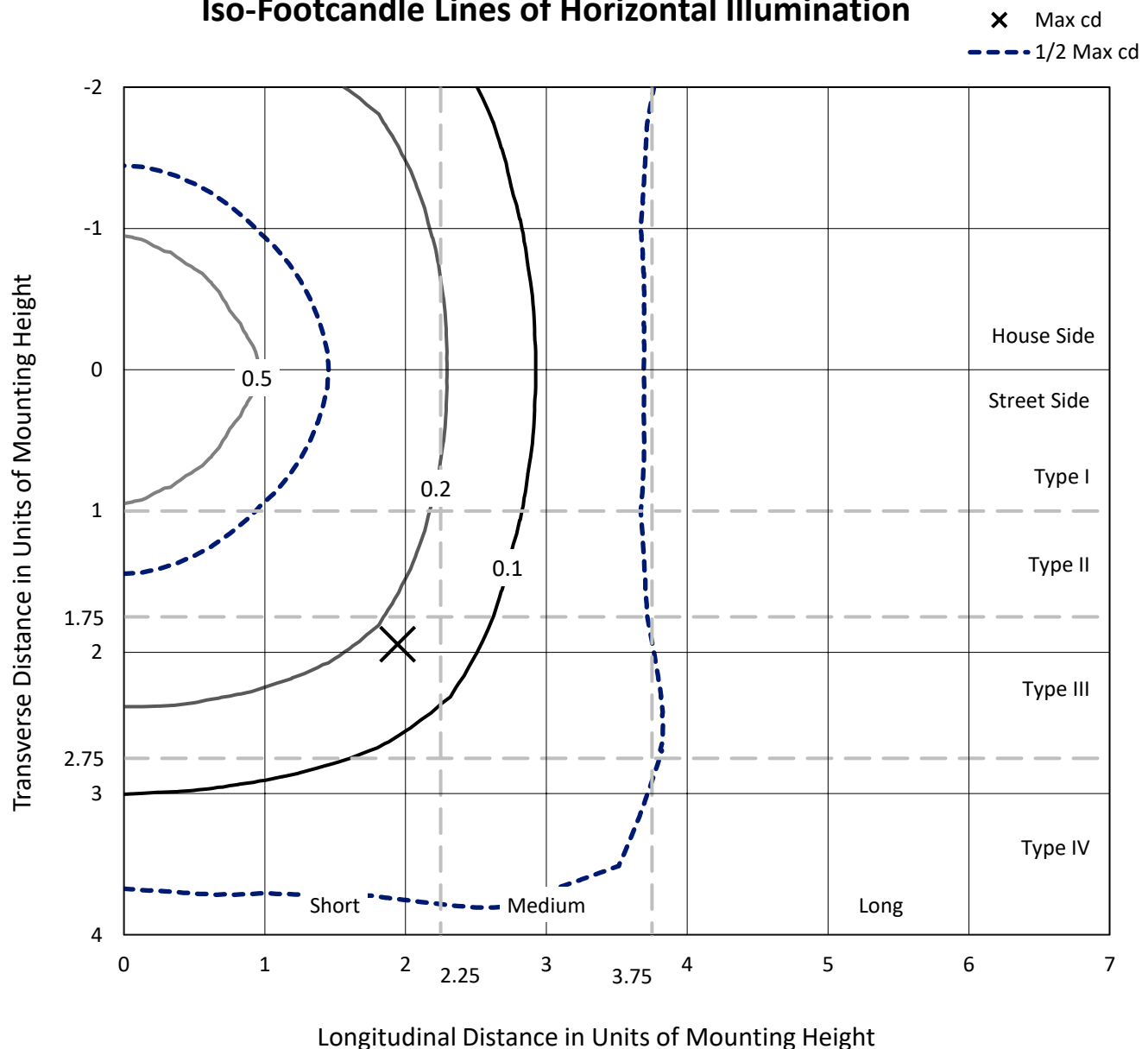
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P451062

CATALOG NUMBER: GALN-SA1D-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination



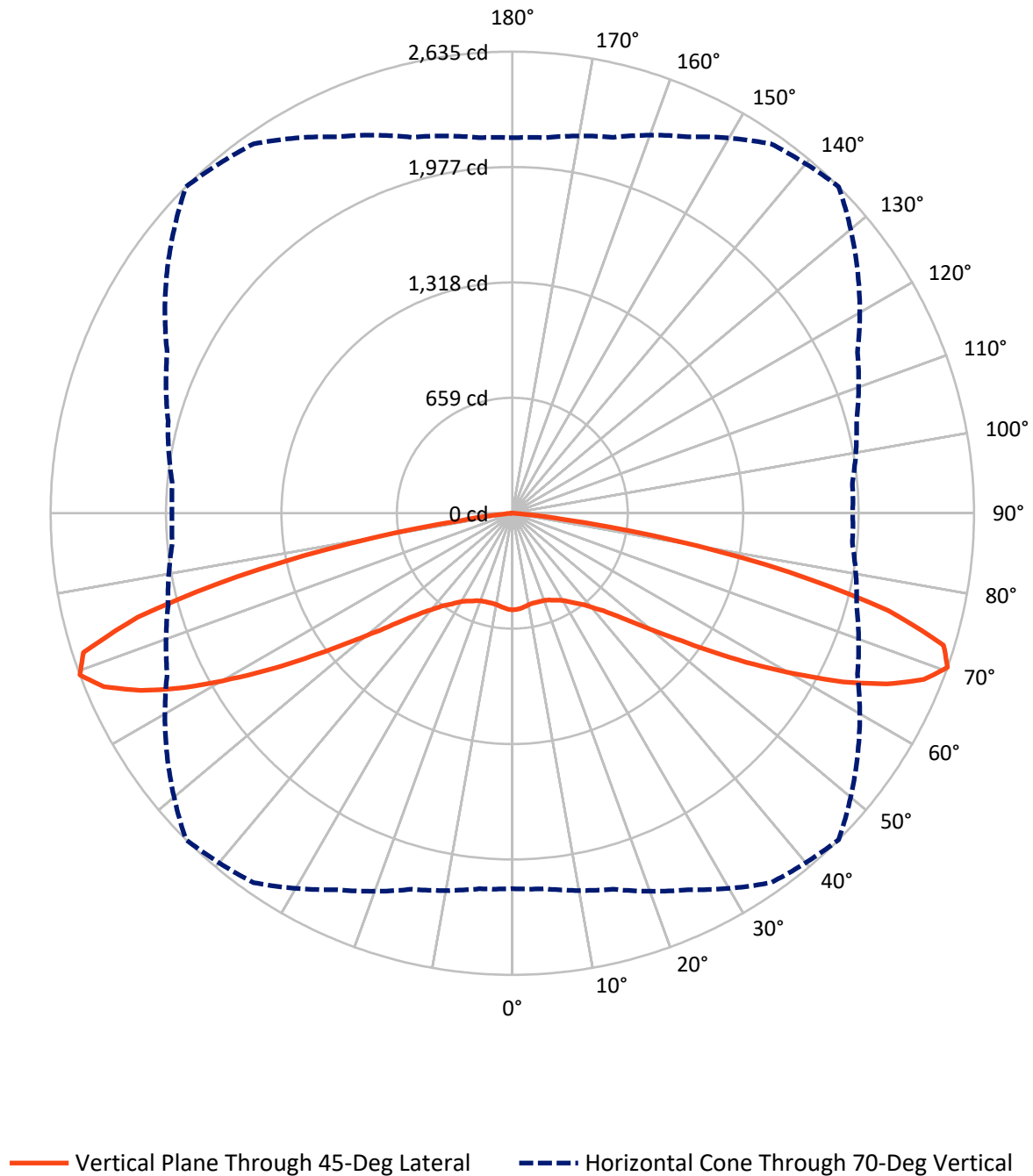
Based on 25 foot mounting height. Maximum calculated value = 0.9 fc

Type V - Short - N/A

REPORT NUMBER: P451062

CATALOG NUMBER: GALN-SA1D-830-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P451062

CATALOG NUMBER: GALN-SA1D-830-U-5WQ

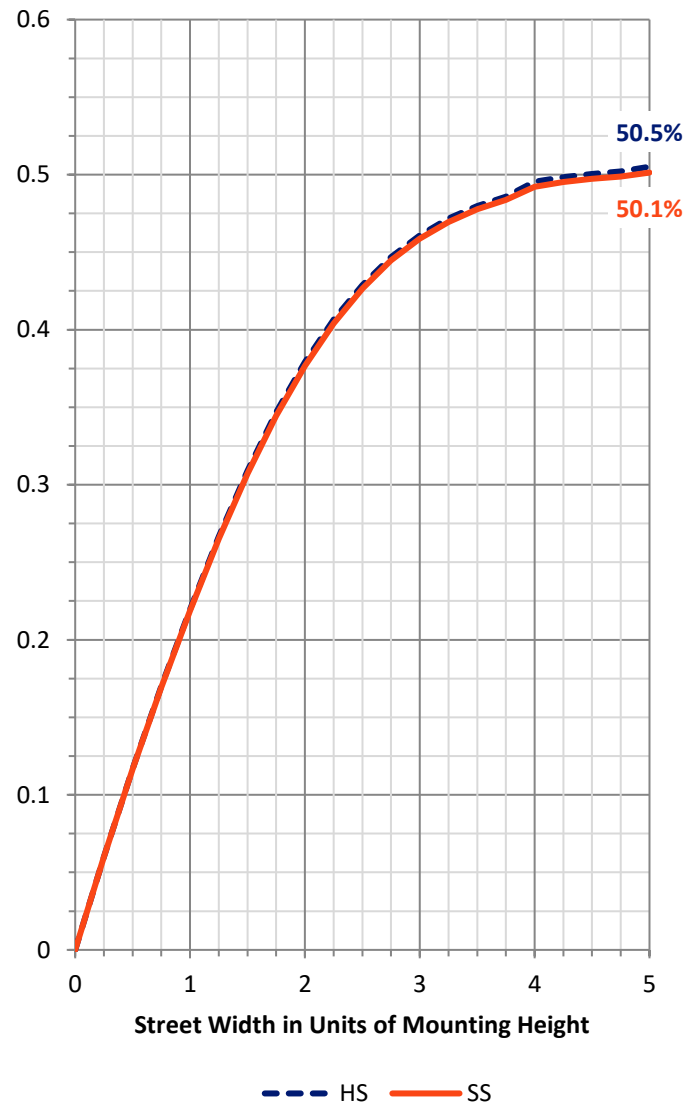
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3255.0	0.0	3255.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3255.0	0.0	3255.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6510.0	0.0	6510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.8
10°-20°	150.9	2.3
20°-30°	257.1	3.9
30°-40°	398.5	6.1
40°-50°	670.7	10.3
50°-60°	1220.3	18.7
60°-70°	2066.0	31.7
70°-80°	1599.2	24.6
80°-90°	95.8	1.5
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°	6510.0	100.0
0°-180°	6510.0	100.0

Coefficient of Utilization



REPORT NUMBER: P451062

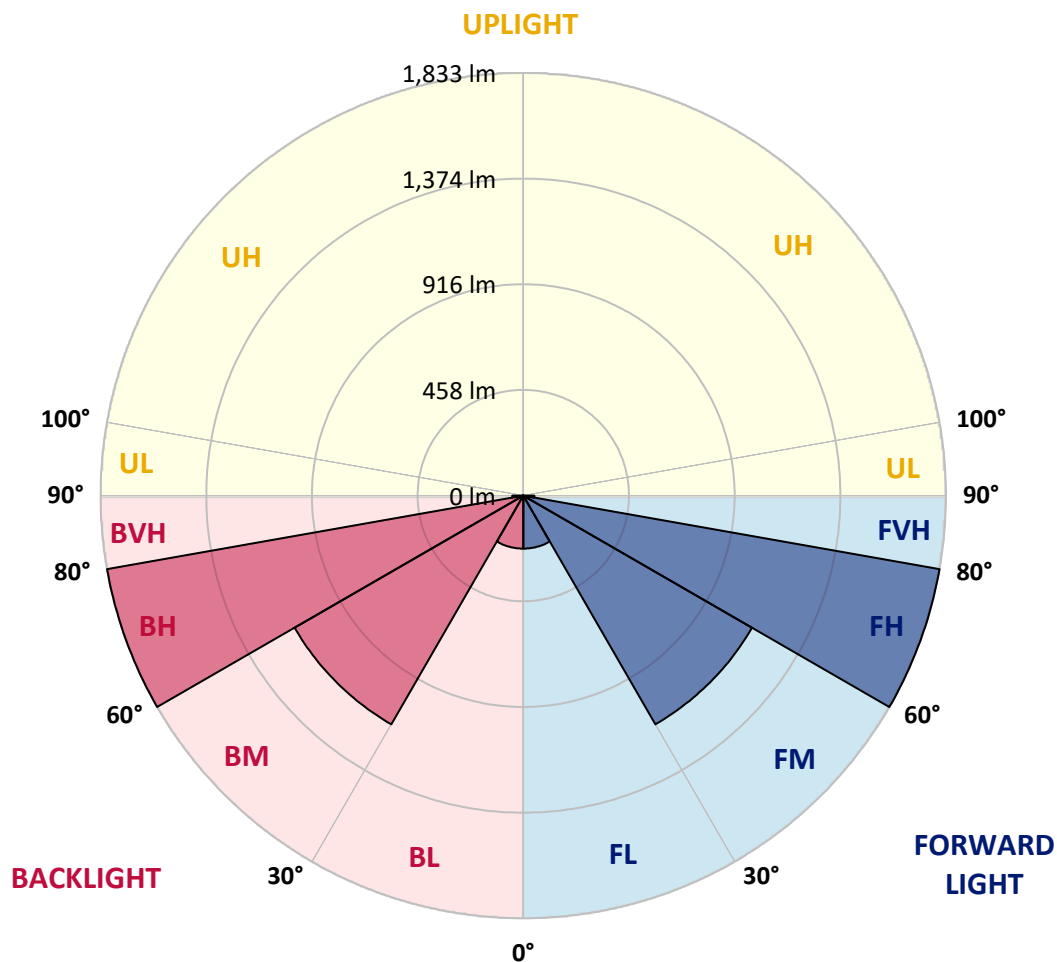
CATALOG NUMBER: GALN-SA1D-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.8	3.5			
FM	(30°-60°)	1144.8	17.6			
FH	(60°-80°)	1832.6	28.2			G2/5000
FVH	(80°-90°)	47.9	0.7			G1/100
BL	(0°-30°)	229.8	3.5	B1/500		
BM	(30°-60°)	1144.8	17.6	B2/2500		
BH	(60°-80°)	1832.6	28.2	B3/2500		G2/5000
BVH	(80°-90°)	47.9	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P451062

CATALOG NUMBER: GALN-SA1D-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	549.8	550.1	550.1	549.4	549.1	549.1	548.7	548.7	549.8	550.1	550.5
5°	545.0	545.0	545.0	544.6	543.9	543.9	543.2	543.2	543.6	544.6	543.9
7.5°	538.4	539.1	539.1	537.7	536.7	536.7	536.4	536.7	537.1	538.1	537.7
10°	536.4	536.7	535.0	532.6	530.9	529.8	530.2	530.9	532.6	533.3	533.6
12.5°	537.7	537.7	534.6	531.2	528.1	526.7	526.4	528.8	531.9	534.0	534.6
15°	539.5	538.8	535.0	530.5	527.4	527.1	526.7	528.5	532.9	537.1	537.4
17.5°	540.5	540.1	535.3	529.8	528.1	528.1	527.8	529.1	534.0	539.1	539.5
20°	543.9	542.9	537.4	531.6	530.2	530.9	529.8	531.6	536.7	542.9	544.3
22.5°	550.8	549.8	544.3	538.4	537.7	537.7	537.4	539.1	544.6	551.2	552.2
25°	559.1	558.0	552.9	548.7	549.4	550.8	550.1	550.5	554.9	560.4	562.2
27.5°	570.1	568.3	563.9	560.4	562.5	562.5	562.5	562.2	564.9	570.1	571.8
30°	583.5	582.8	578.0	577.6	579.3	577.6	577.6	578.0	578.3	583.1	584.8
32.5°	601.0	599.6	597.2	596.5	601.3	602.7	597.9	593.4	595.8	600.7	601.7
35°	629.9	627.8	624.4	620.6	624.4	630.9	620.6	617.2	623.4	629.9	630.6
37.5°	669.1	668.1	662.6	655.7	655.3	662.2	651.5	651.2	662.9	670.8	671.8
40°	718.3	719.3	712.4	705.9	702.4	707.9	699.7	702.8	714.1	723.1	722.4
42.5°	787.4	783.6	772.9	766.7	762.9	760.9	758.8	763.6	776.4	786.0	793.5
45°	868.2	866.8	853.4	845.8	837.6	834.5	833.8	842.4	857.8	869.5	870.6
47.5°	959.6	956.5	947.9	940.0	936.9	933.1	929.7	936.2	951.7	960.0	962.4
50°	1053.8	1054.5	1054.5	1053.1	1056.2	1056.9	1047.6	1050.0	1058.6	1057.9	1057.3
52.5°	1161.4	1165.2	1183.1	1184.8	1199.6	1209.6	1192.7	1182.8	1179.7	1161.1	1162.5
55°	1288.0	1291.4	1318.2	1345.0	1384.9	1401.8	1366.4	1335.4	1313.4	1285.2	1286.6
57.5°	1445.8	1447.5	1472.9	1524.5	1587.8	1627.3	1565.1	1503.9	1459.2	1432.4	1421.7
60°	1615.6	1617.4	1654.5	1717.4	1815.7	1863.9	1786.9	1686.8	1630.4	1589.5	1592.3
62.5°	1819.5	1826.4	1859.7	1946.4	2065.7	2119.7	2017.6	1883.8	1807.5	1756.6	1758.7
65°	2037.8	2049.5	2086.0	2181.2	2291.2	2349.4	2224.2	2069.8	1974.9	1912.7	1919.2
67.5°	2179.5	2189.8	2242.4	2347.6	2484.8	2533.0	2371.4	2191.5	2072.9	1998.7	1984.9
70°	2143.4	2152.0	2222.1	2371.4	2574.6	2635.4	2406.4	2173.7	2034.1	1948.5	1943.0
72.5°	1892.1	1874.2	1976.6	2190.9	2472.1	2574.2	2296.1	1985.2	1809.6	1721.5	1711.2
75°	1253.9	1292.8	1444.1	1696.4	2091.5	2218.0	1959.8	1594.0	1372.9	1299.7	1288.3
77.5°	419.1	449.0	583.5	961.7	1425.8	1616.0	1427.9	1042.5	737.5	594.1	596.9
80°	111.1	109.7	142.0	264.4	616.1	935.9	717.2	353.1	193.2	139.9	132.7
82.5°	39.9	44.7	57.4	73.2	163.3	290.9	205.3	99.0	72.5	53.6	51.9
85°	17.5	17.2	24.8	29.2	40.9	54.3	48.1	41.9	36.8	24.4	22.7
87.5°	3.8	3.8	5.8	4.5	7.2	7.2	8.9	10.7	11.0	7.2	5.8
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)