

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: P452220

Luminaire Tested: **GALN-SA3A-830-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11378 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 93
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

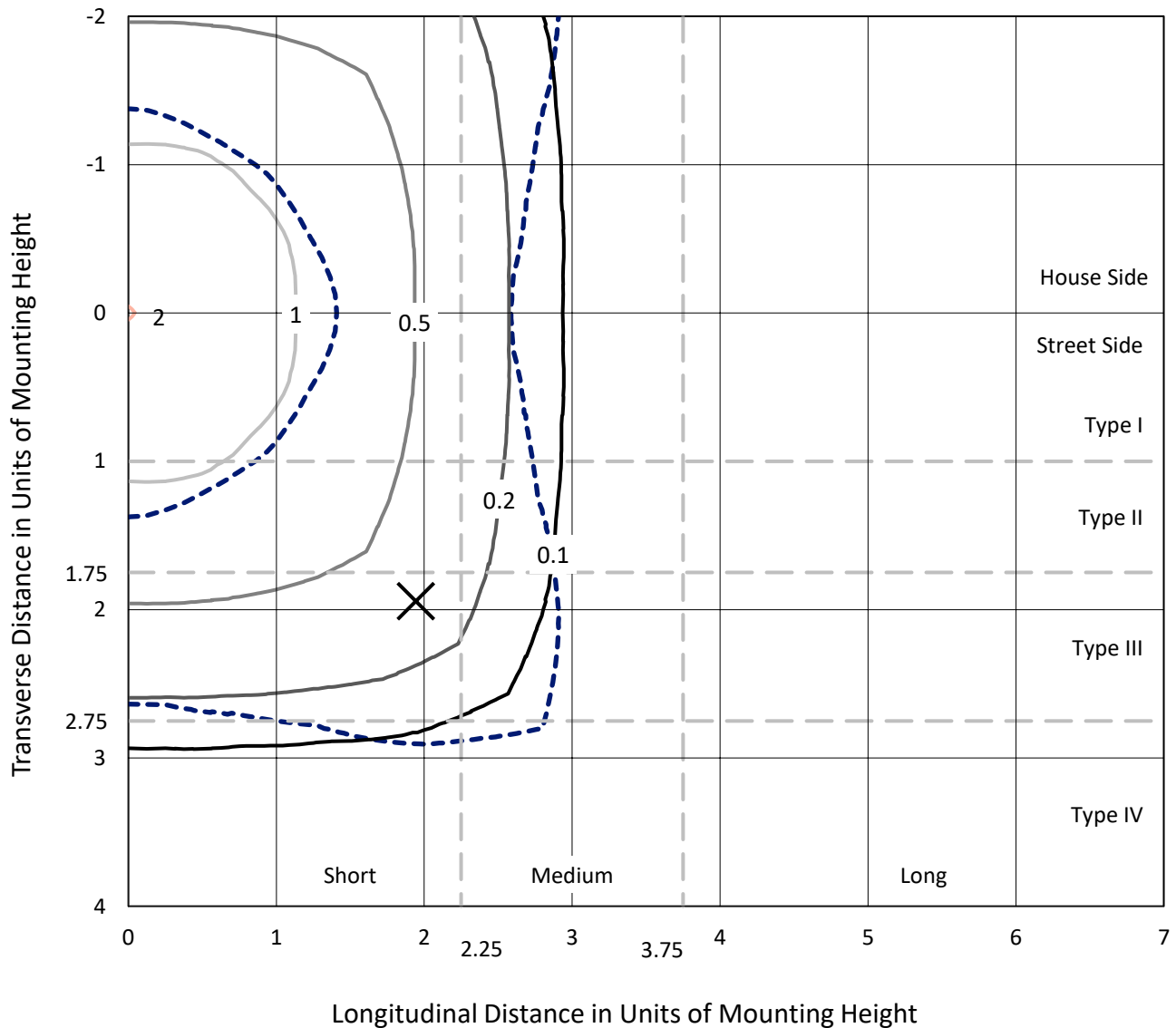


REPORT NUMBER: P452220

CATALOG NUMBER: GALN-SA3A-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



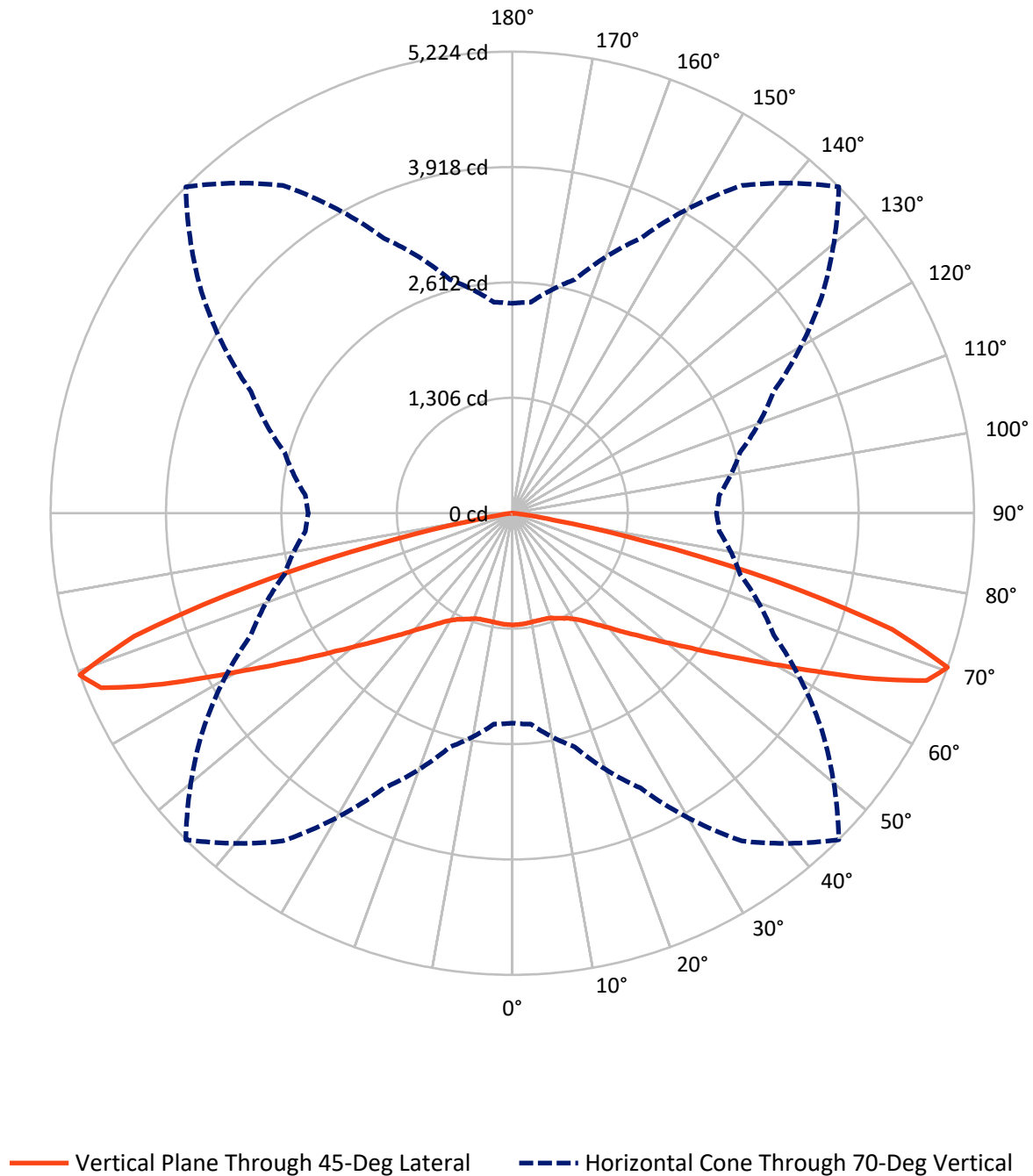
Based on 25 foot mounting height. Maximum calculated value = 2 fc

Type V - Short - N/A

REPORT NUMBER: P452220

CATALOG NUMBER: GALN-SA3A-830-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P452220

CATALOG NUMBER: GALN-SA3A-830-U-5MQ

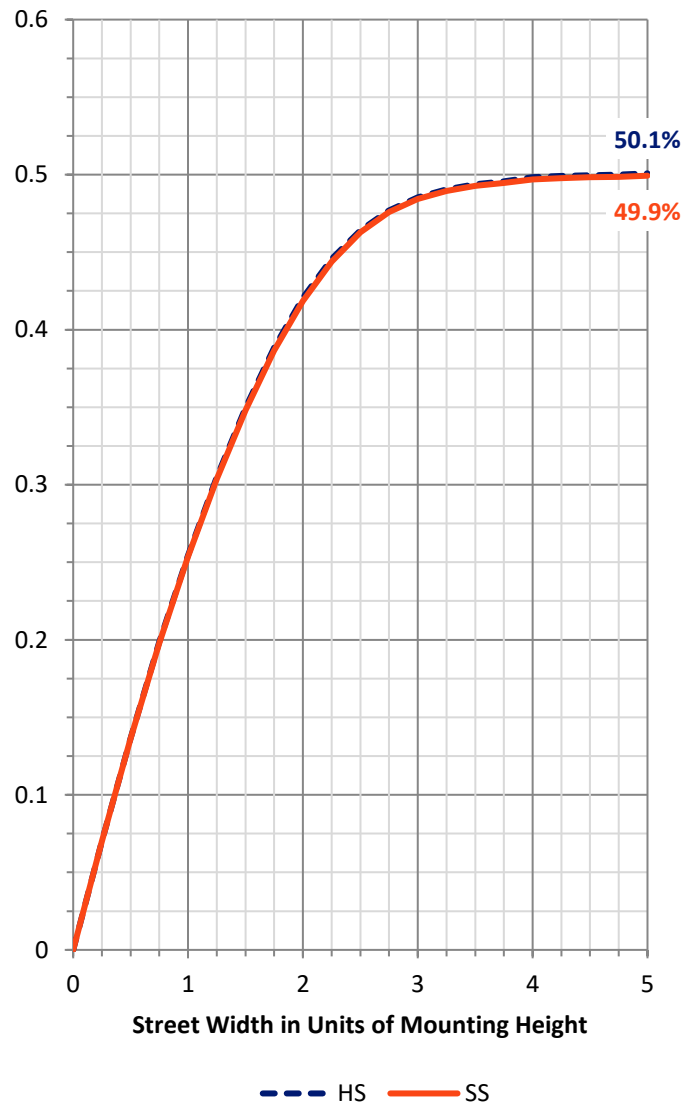
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5689.0	0.0	5689.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5689.0	0.0	5689.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11378.0	0.0	11378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	1.1
10°-20°	351.6	3.1
20°-30°	601.3	5.3
30°-40°	954.4	8.4
40°-50°	1539.7	13.5
50°-60°	2505.2	22.0
60°-70°	3631.6	31.9
70°-80°	1610.8	14.2
80°-90°	63.5	0.6
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°	11378.0	100.0
0°-180°	11378.0	100.0

Coefficient of Utilization



REPORT NUMBER: P452220

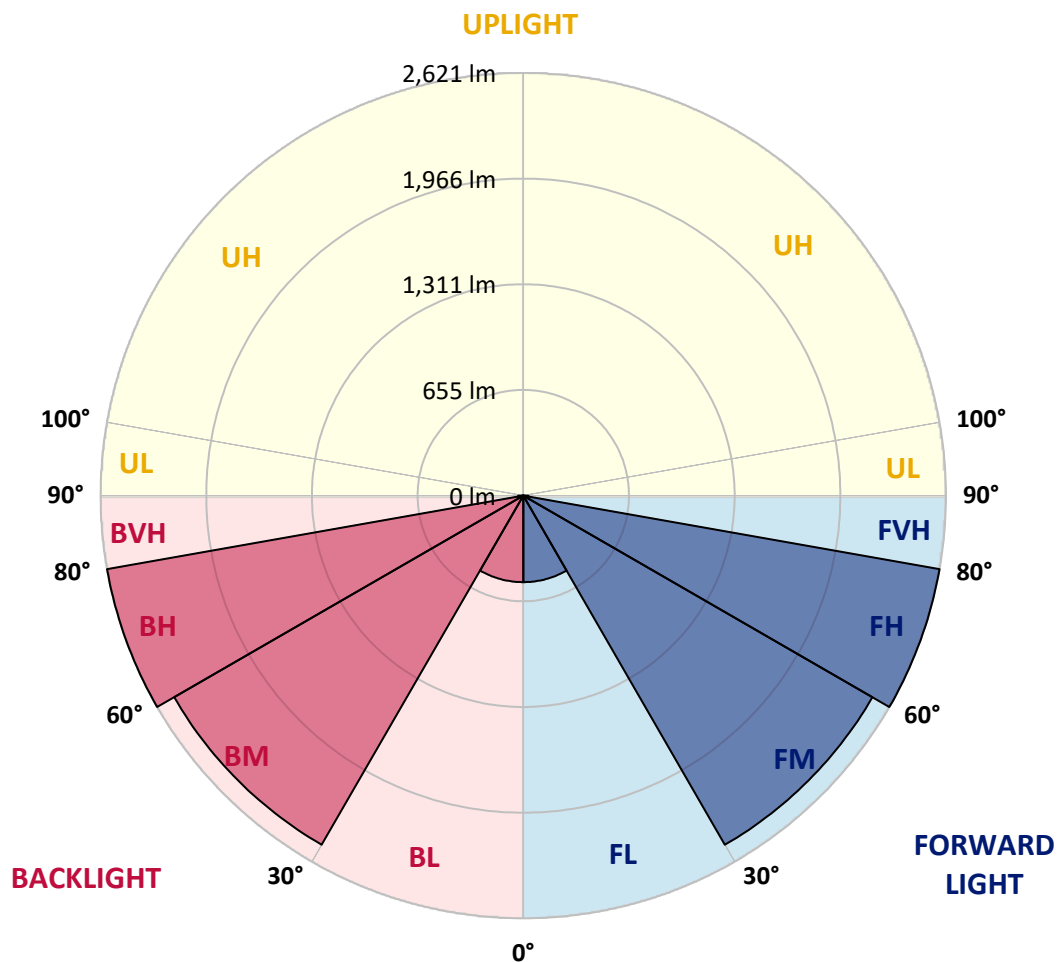
CATALOG NUMBER: GALN-SA3A-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.4	4.7			
FM	(30°-60°)	2499.7	22.0			
FH	(60°-80°)	2621.2	23.0			G2/5000
FVH	(80°-90°)	31.8	0.3			G1/100
BL	(0°-30°)	536.4	4.7	B2/1000		
BM	(30°-60°)	2499.7	22.0	B2/2500		
BH	(60°-80°)	2621.2	23.0	B4/5000		G2/5000
BVH	(80°-90°)	31.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P452220

CATALOG NUMBER: GALN-SA3A-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1263.5	1263.5	1263.5	1263.5	1263.5	1263.5	1263.5	1263.5	1263.5	1263.5	1263.5
2.5°	1263.5	1264.7	1262.9	1261.7	1261.1	1261.1	1260.5	1261.1	1264.7	1265.3	1263.5
5°	1259.9	1261.1	1260.5	1259.3	1258.7	1258.7	1258.1	1257.5	1260.5	1261.7	1261.1
7.5°	1255.1	1255.7	1255.1	1254.5	1255.1	1254.5	1252.7	1251.5	1253.9	1253.9	1253.3
10°	1246.7	1247.9	1247.3	1247.9	1249.1	1249.1	1246.7	1244.3	1244.9	1243.7	1243.7
12.5°	1236.5	1238.3	1238.9	1241.3	1244.3	1247.9	1242.5	1237.1	1235.9	1235.3	1234.7
15°	1229.9	1231.7	1234.1	1236.5	1241.9	1249.7	1241.9	1233.5	1231.1	1228.7	1227.5
17.5°	1228.1	1230.5	1234.1	1237.7	1244.9	1252.7	1246.1	1237.7	1231.7	1228.1	1226.9
20°	1232.9	1234.7	1240.1	1246.7	1256.9	1264.7	1258.1	1249.1	1240.1	1234.7	1232.9
22.5°	1242.5	1245.5	1252.1	1264.1	1278.5	1289.9	1280.9	1265.9	1251.5	1244.3	1241.9
25°	1263.5	1265.9	1273.7	1289.9	1306.6	1317.4	1307.8	1290.5	1270.7	1261.1	1258.1
27.5°	1295.3	1298.9	1307.2	1326.4	1340.2	1346.2	1339.6	1327.6	1313.2	1303.1	1300.7
30°	1340.2	1344.4	1357.0	1377.4	1386.4	1390.0	1387.0	1379.2	1369.0	1358.2	1355.8
32.5°	1400.8	1403.2	1417.6	1436.8	1445.2	1446.4	1442.8	1439.2	1422.4	1404.4	1403.2
35°	1468.6	1472.8	1490.1	1512.9	1520.7	1521.3	1514.1	1508.7	1488.9	1474.6	1474.6
37.5°	1558.5	1560.3	1577.1	1602.9	1611.3	1608.9	1605.3	1600.5	1579.5	1560.9	1561.5
40°	1664.0	1667.6	1682.0	1712.0	1712.0	1709.0	1711.4	1707.8	1686.8	1668.8	1669.4
42.5°	1789.4	1791.2	1808.6	1840.3	1837.9	1831.9	1834.3	1829.5	1816.4	1796.0	1788.8
45°	1923.1	1930.3	1960.3	1990.9	1986.1	1966.9	1976.5	1975.3	1963.3	1932.7	1934.5
47.5°	2084.4	2096.4	2125.2	2161.8	2156.4	2126.4	2137.2	2144.4	2127.6	2094.0	2088.0
50°	2266.1	2273.9	2316.5	2350.6	2345.9	2314.1	2338.7	2339.9	2297.9	2250.5	2250.5
52.5°	2459.8	2467.6	2525.1	2578.5	2581.5	2535.3	2555.1	2553.9	2485.6	2423.2	2411.2
55°	2676.9	2680.5	2754.8	2833.4	2850.2	2805.2	2807.6	2783.6	2694.8	2622.3	2615.7
57.5°	2901.1	2914.3	2996.5	3098.4	3148.2	3120.6	3108.0	3043.8	2958.1	2874.7	2870.5
60°	3149.4	3150.0	3256.7	3377.3	3478.0	3496.6	3445.0	3359.3	3248.3	3138.0	3133.2
62.5°	3321.5	3347.3	3482.2	3686.1	3866.6	3970.9	3834.8	3654.9	3436.6	3258.5	3240.5
65°	3356.9	3374.3	3579.9	3925.3	4294.1	4519.0	4204.2	3821.6	3449.2	3211.8	3199.8
67.5°	3070.8	3089.4	3366.5	3896.6	4594.0	5055.1	4444.0	3741.2	3235.7	2941.9	2918.5
70°	2375.2	2396.2	2738.6	3430.0	4527.4	5223.6	4273.1	3263.3	2668.5	2351.2	2308.7
72.5°	1262.9	1340.2	1632.9	2354.2	3674.7	4497.4	3503.8	2381.2	1721.0	1406.8	1350.4
75°	461.1	470.7	633.8	1044.0	2137.8	3084.0	2219.9	1135.7	653.0	504.3	478.5
77.5°	190.7	190.1	208.7	315.4	776.6	1579.5	866.5	333.4	208.1	192.5	190.1
80°	112.7	112.7	124.1	131.3	204.5	476.7	228.5	148.7	124.7	113.9	115.7
82.5°	50.4	53.4	78.6	82.8	98.9	130.7	110.3	94.7	81.6	56.4	51.0
85°	27.6	24.0	41.4	43.2	47.4	48.6	52.2	51.6	47.4	27.6	28.2
87.5°	5.4	6.6	12.0	9.0	10.2	9.0	12.0	16.8	17.4	9.6	7.8
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)