Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P452222

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

Issue Date: 1/4/2021

Report Generated By 670248863

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P452222
	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-SA3A-830-U-5WQ
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11354 lumens
Efficiency:	N/A
Efficacy:	122.1 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

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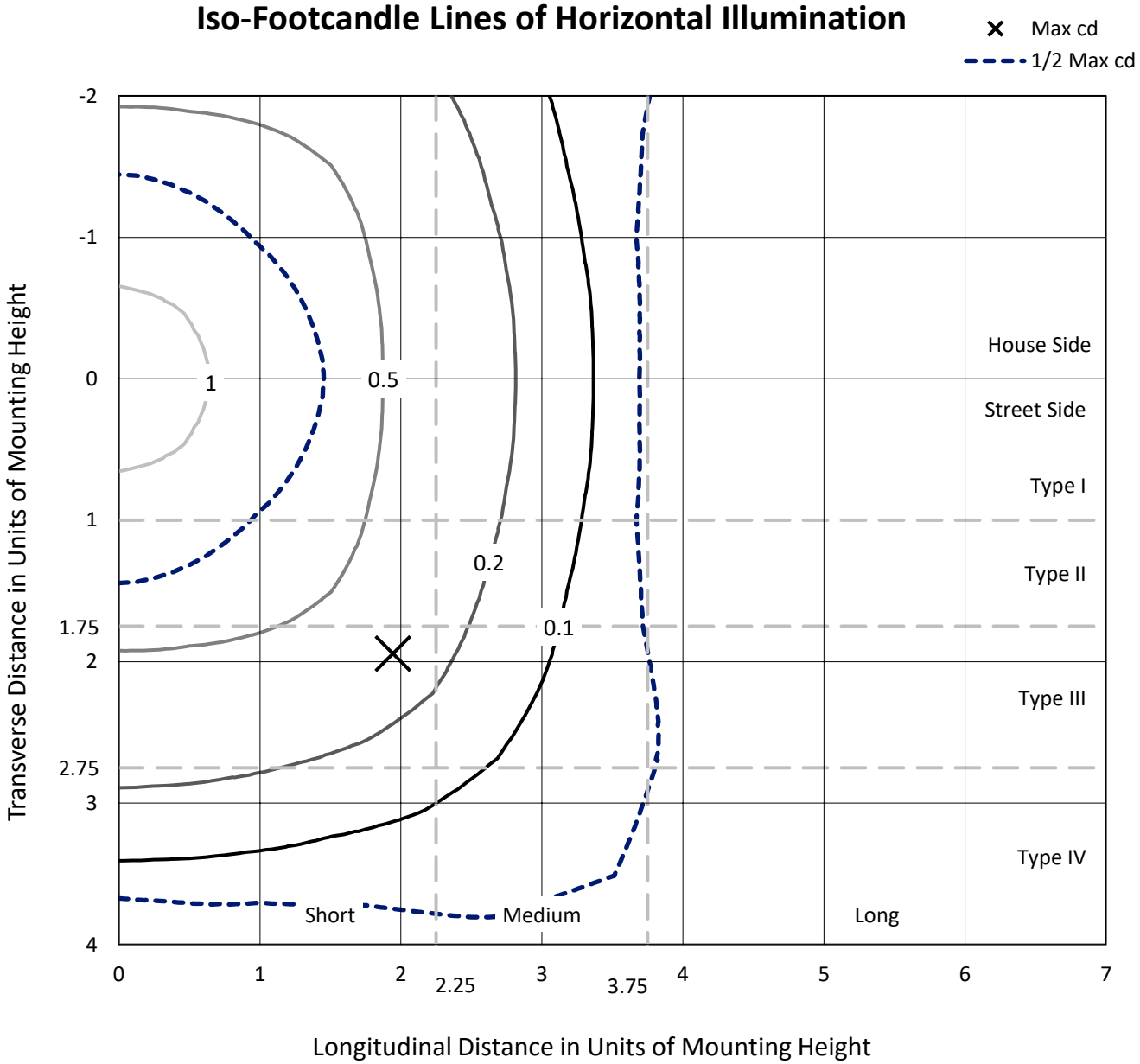
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - N/A

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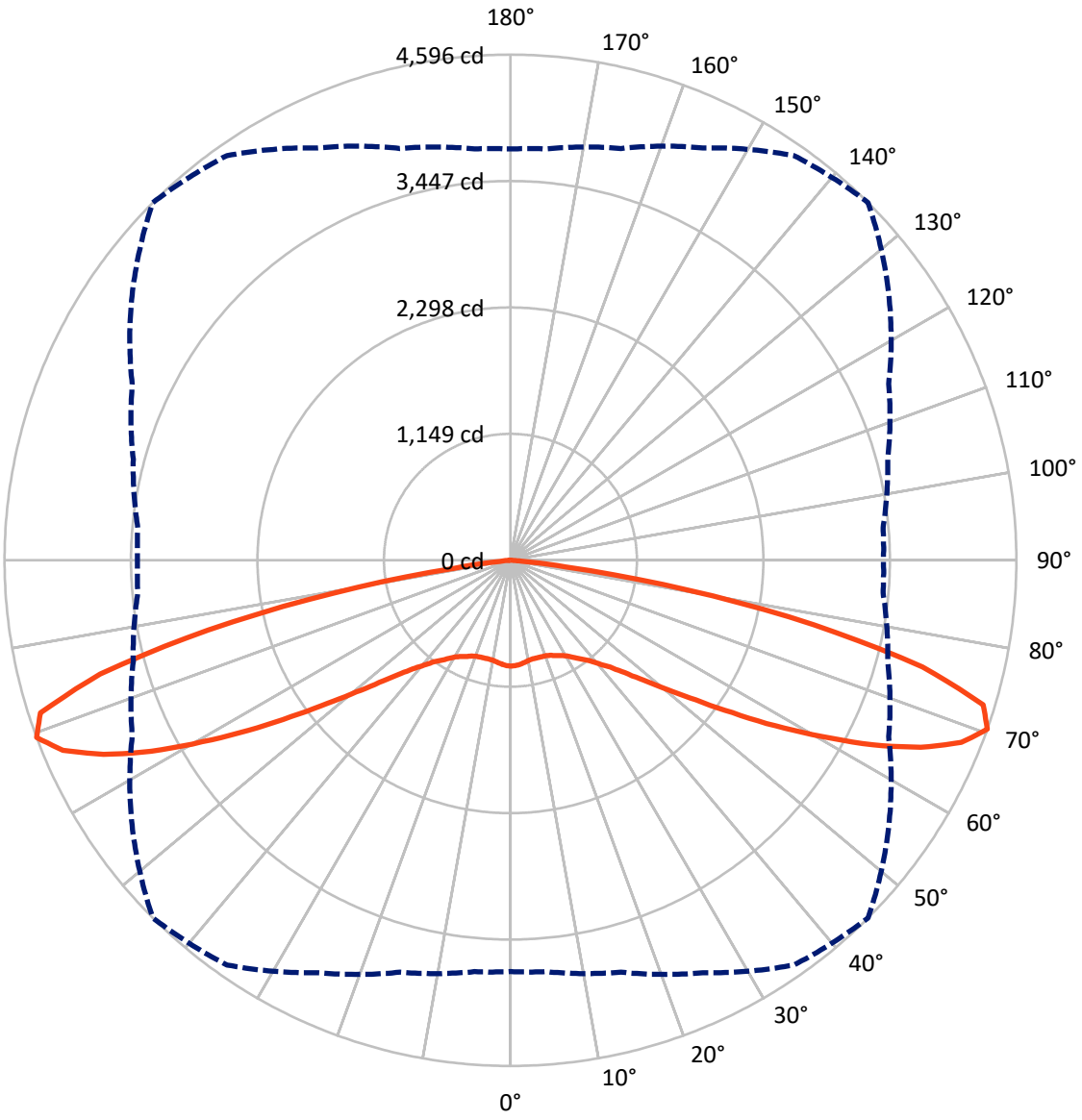
Luminous Intensity Polar Plot



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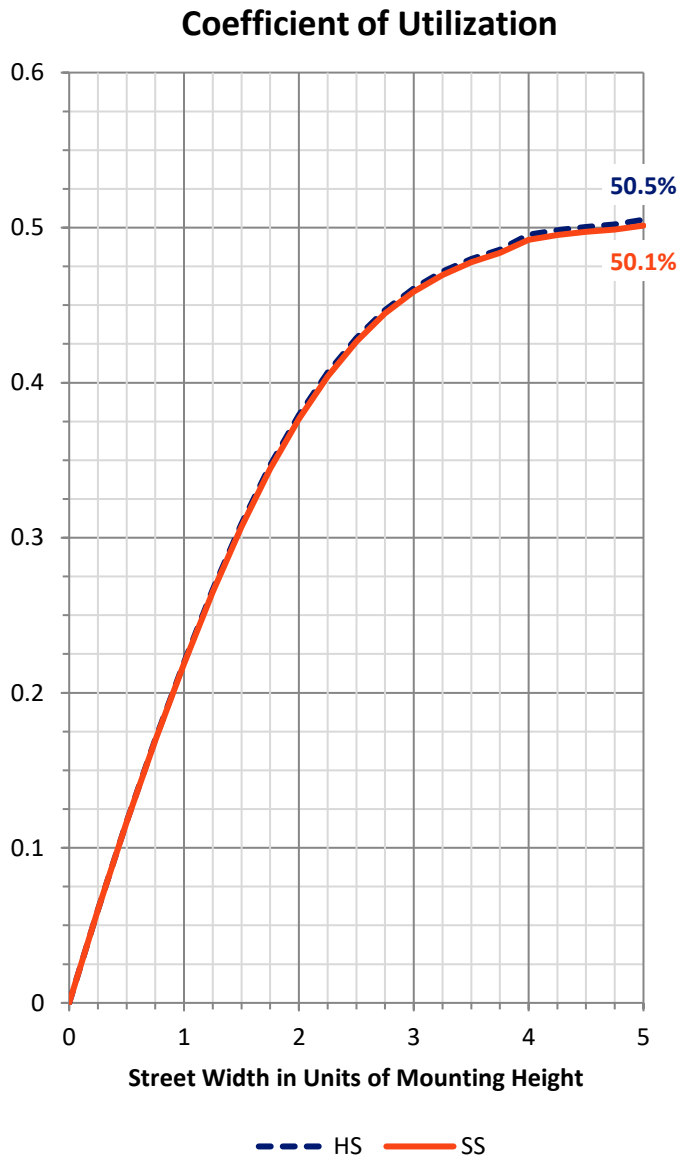
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5677.0	0.0	5677.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5677.0	0.0	5677.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11354.0	0.0	11354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	0.8
10°-20°	263.2	2.3
20°-30°	448.4	3.9
30°-40°	695.0	6.1
40°-50°	1169.8	10.3
50°-60°	2128.4	18.7
60°-70°	3603.2	31.7
70°-80°	2789.1	24.6
80°-90°	167.1	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°	11354.0	100.0
0°-180°	11354.0	100.0



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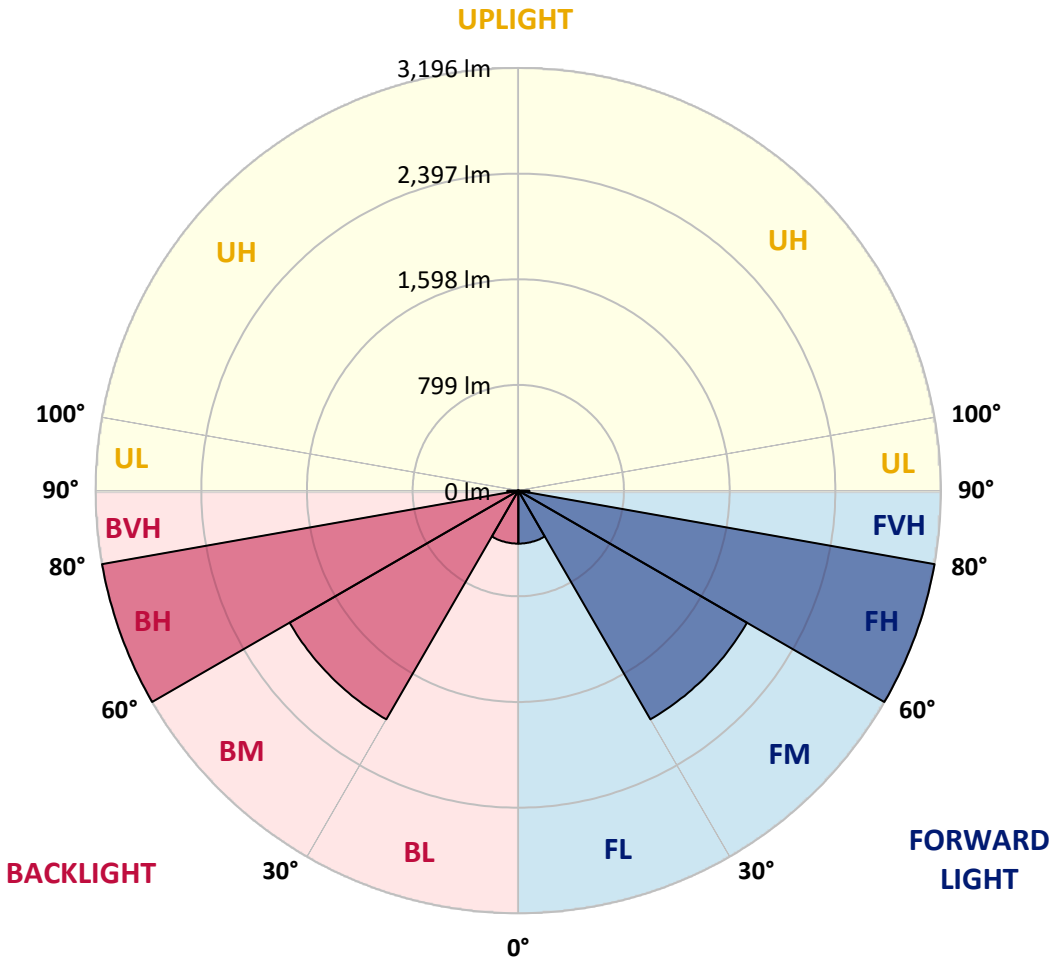
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	400.7	3.5			
FM	(30°-60°)	1996.6	17.6			
FH	(60°-80°)	3196.1	28.1			G2/5000
FVH	(80°-90°)	83.6	0.7			G1/100
BL	(0°-30°)	400.7	3.5	B1/500		
BM	(30°-60°)	1996.6	17.6	B2/2500		
BH	(60°-80°)	3196.1	28.1	B4/5000		G2/5000
BVH	(80°-90°)	83.6	0.7			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	961.3	961.3	961.3	961.3	961.3	*961.3*	961.3	961.3	961.3	961.3	961.3
2.5°	958.9	959.5	959.5	958.3	957.7	*957.7*	957.1	957.1	958.9	959.5	960.1
5°	950.5	950.5	950.5	949.9	948.7	*948.7*	947.5	947.5	948.1	949.9	948.7
7.5°	939.1	940.3	940.3	937.9	936.1	*936.1*	935.5	936.1	936.7	938.5	937.9
10°	935.5	936.1	933.1	928.9	925.9	*924.1*	924.7	925.9	928.9	930.1	930.7
12.5°	937.9	937.9	932.5	926.5	921.1	*918.7*	918.1	922.3	927.7	931.3	932.5
15°	940.9	939.7	933.1	925.3	919.9	*919.3*	918.7	921.7	929.5	936.7	937.3
17.5°	942.7	942.1	933.7	924.1	921.1	*921.1*	920.5	922.9	931.3	940.3	940.9
20°	948.7	946.9	937.3	927.1	924.7	*925.9*	924.1	927.1	936.1	946.9	949.3
22.5°	960.7	958.9	949.3	939.1	937.9	*937.9*	937.3	940.3	949.9	961.3	963.1
25°	975.0	973.2	964.3	957.1	958.3	*960.7*	959.5	960.1	967.9	977.4	980.4
27.5°	994.2	991.2	983.4	977.4	981.0	*981.0*	981.0	980.4	985.2	994.2	997.2
30°	1017.6	1016.4	1008.0	1007.4	1010.4	*1007.4*	1007.4	1008.0	1008.6	1017.0	1020.0
32.5°	1048.2	1045.8	1041.6	1040.4	1048.8	*1051.2*	1042.8	1035.0	1039.2	1047.6	1049.4
35°	1098.6	1095.0	1089.0	1082.4	1089.0	*1100.4*	1082.4	1076.4	1087.2	1098.6	1099.8
37.5°	1166.9	1165.1	1155.5	1143.6	1143.0	*1154.9*	1136.4	1135.8	1156.1	1169.9	1171.7
40°	1252.7	1254.5	1242.5	1231.1	1225.1	*1234.7*	1220.3	1225.7	1245.5	1261.1	1259.9
42.5°	1373.2	1366.6	1348.0	1337.2	1330.6	*1327.0*	1323.4	1331.8	1354.0	1370.8	1384.0
45°	1514.1	1511.7	1488.4	1475.2	1460.8	*1455.4*	1454.2	1469.2	1496.2	1516.5	1518.3
47.5°	1673.7	1668.3	1653.3	1639.5	1634.1	*1627.5*	1621.5	1632.9	1659.9	1674.3	1678.4
50°	1838.0	1839.2	1839.2	1836.8	1842.2	*1843.4*	1827.2	1831.4	1846.4	1845.2	1844.0
52.5°	2025.7	2032.2	2063.4	2066.4	2092.2	*2109.6*	2080.2	2062.8	2057.4	2025.1	2027.5
55°	2246.3	2252.3	2299.1	2345.9	2415.4	*2444.8*	2383.0	2329.1	2290.7	2241.5	2243.9
57.5°	2521.6	2524.6	2568.9	2658.9	2769.2	*2838.2*	2729.7	2622.9	2545.0	2498.2	2479.6
60°	2817.8	2820.8	2885.6	2995.3	3166.8	*3250.8*	3116.4	2941.9	2843.6	2772.2	2777.0
62.5°	3173.4	3185.4	3243.6	3394.7	3602.8	*3696.9*	3518.8	3285.5	3152.4	3063.7	3067.3
65°	3554.2	3574.6	3638.1	3804.2	3996.1	*4097.5*	3879.2	3610.0	3444.4	3335.9	3347.3
67.5°	3801.2	3819.2	3911.0	4094.5	4333.7	*4417.7*	4135.9	3822.2	3615.4	3485.8	3461.8
70°	*3738.3*	*3753.3*	*3875.6*	*4135.9*	*4490.3*	*4596.4*	*4197.0*	*3791.1*	*3547.6*	*3398.3*	*3388.7*
72.5°	3299.9	3268.7	3447.4	3821.0	4311.6	*4489.7*	4004.5	3462.4	3156.0	3002.5	2984.5
75°	2187.0	2254.7	2518.6	2958.7	3647.7	*3868.4*	3418.1	2780.0	2394.4	2266.7	2246.9
77.5°	731.0	783.2	1017.6	1677.2	2486.8	*2818.4*	2490.4	1818.2	1286.3	1036.2	1041.0
80°	193.7	191.3	247.7	461.1	1074.6	*1632.3*	1250.9	615.9	337.0	244.1	231.5
82.5°	69.6	78.0	100.1	127.7	284.8	*507.3*	358.0	172.7	126.5	93.5	90.5
85°	30.6	30.0	43.2	51.0	71.4	*94.7*	84.0	73.2	64.2	42.6	39.6
87.5°	6.6	6.6	10.2	7.8	12.6	*12.6*	15.6	18.6	19.2	12.6	10.2
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)