

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: STREETWORKS

Report Number: P451613

Luminaire Tested: **GLAN-SA2C-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451613
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: STREETWORKS
Catalog Number: GLAN-SA2C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13476 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 108
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

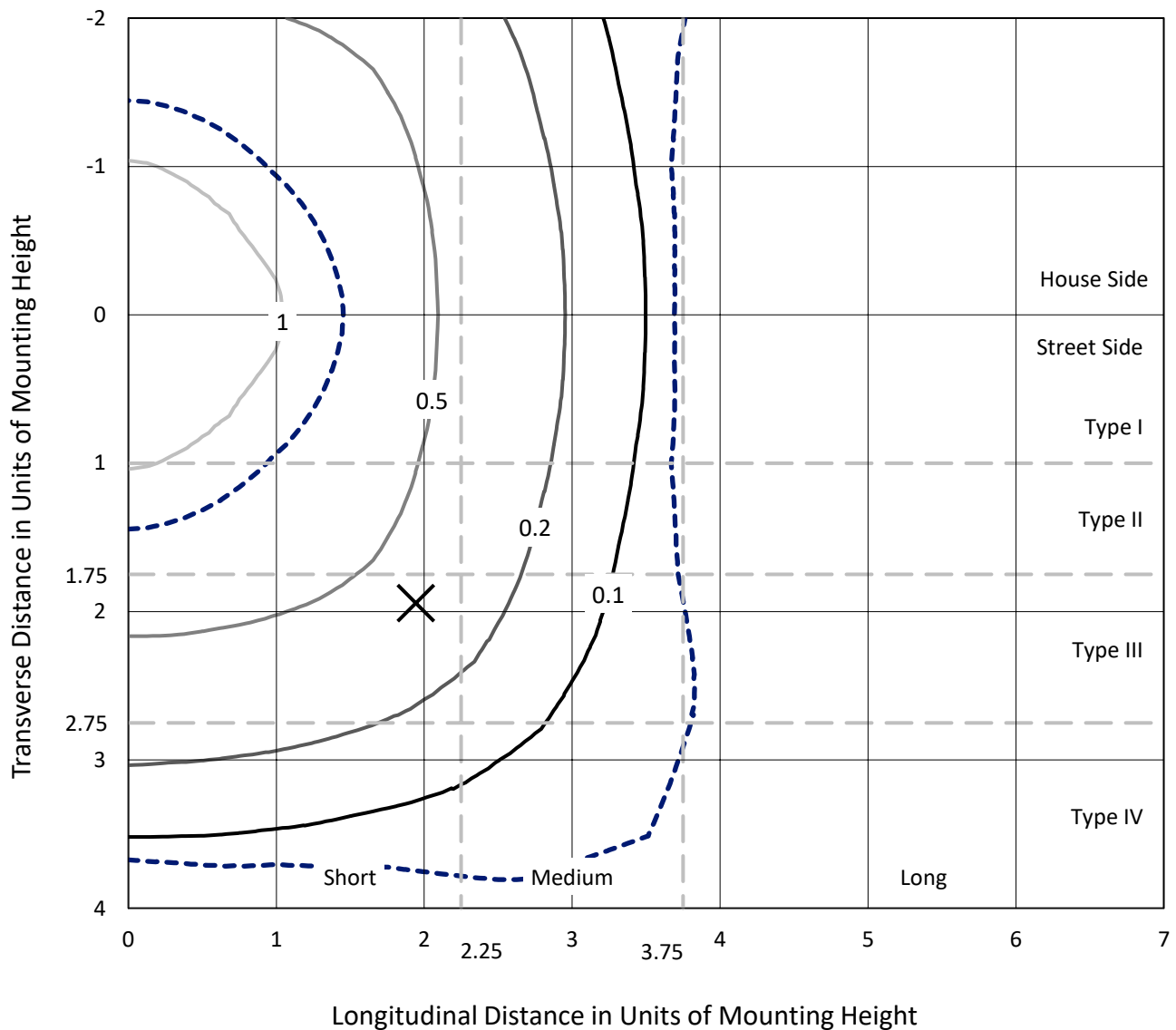


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

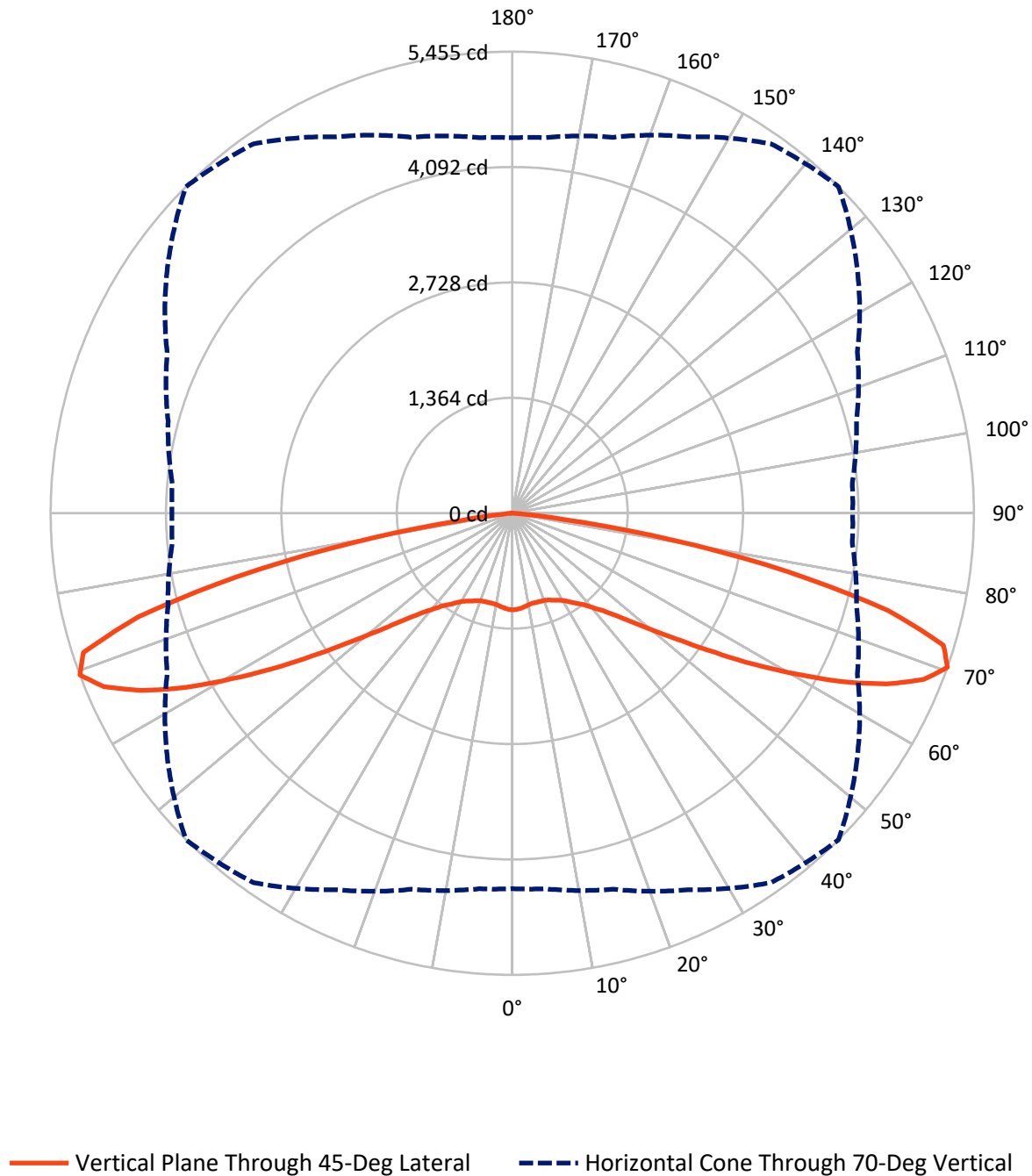


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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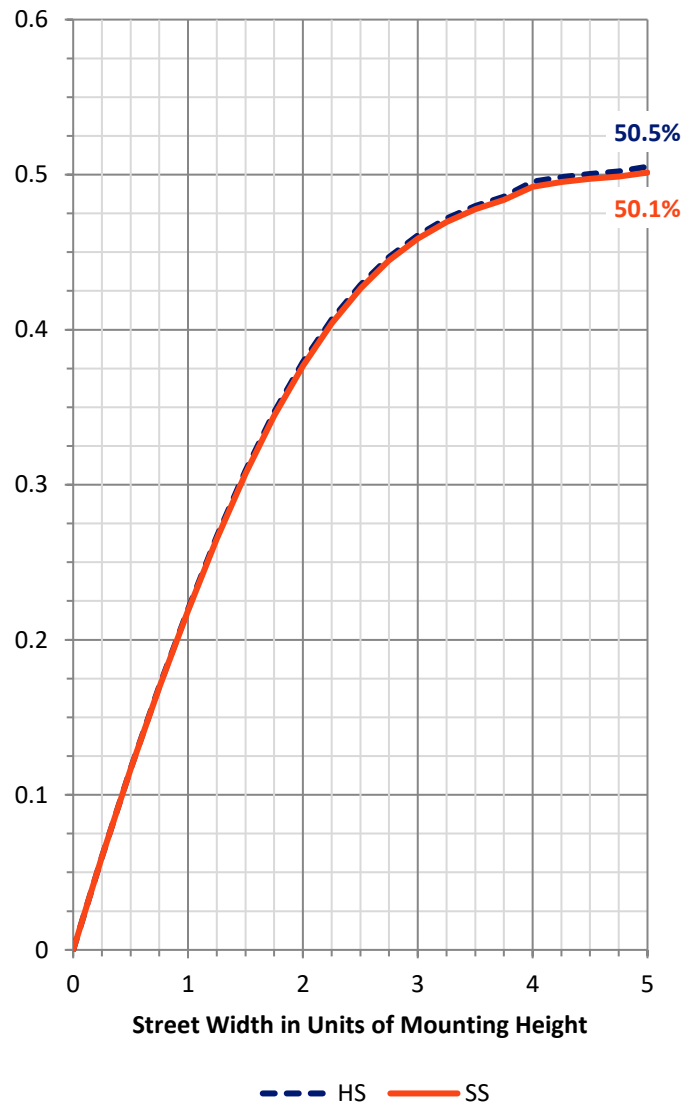
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6738.0	0.0	6738.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6738.0	0.0	6738.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13476.0	0.0	13476.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	0.8
10°-20°	312.4	2.3
20°-30°	532.2	3.9
30°-40°	824.9	6.1
40°-50°	1388.4	10.3
50°-60°	2526.1	18.7
60°-70°	4276.7	31.7
70°-80°	3310.3	24.6
80°-90°	198.4	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°	13476.0	100.0
0°-180°	13476.0	100.0



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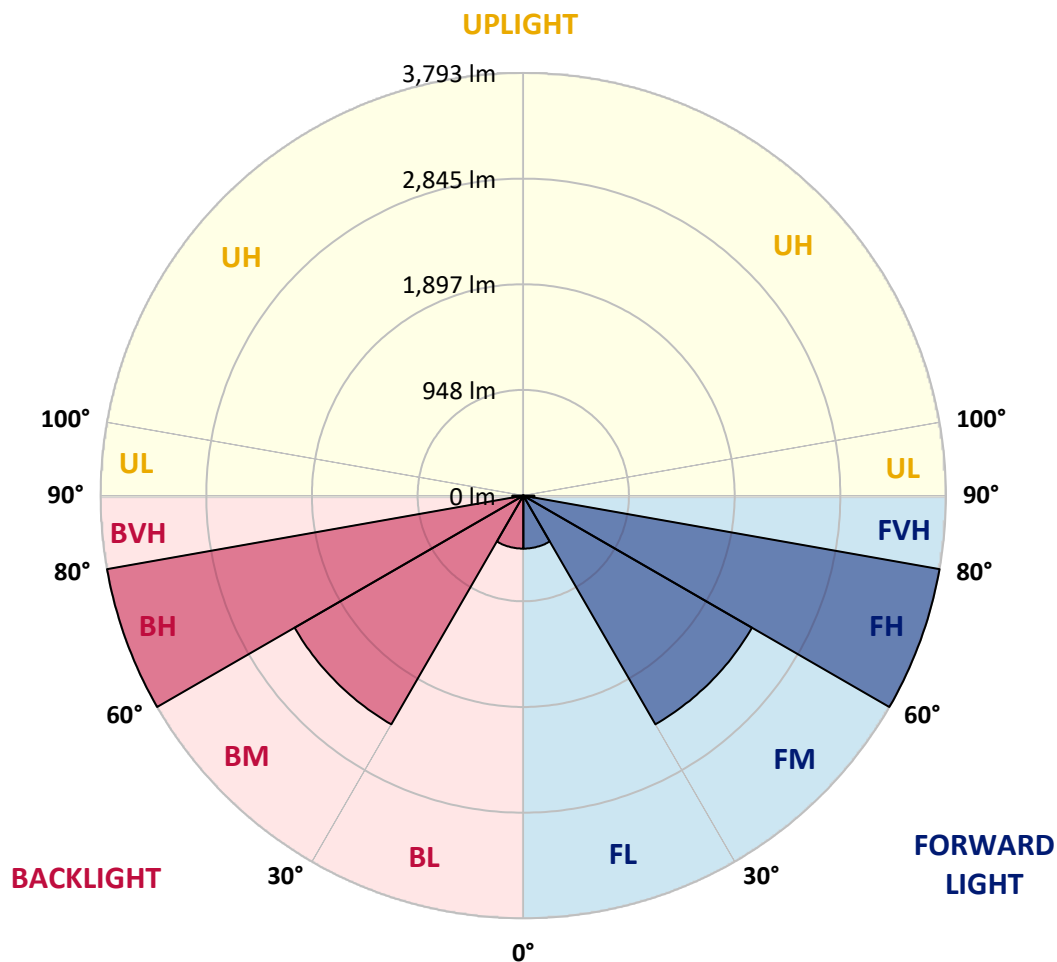
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.6	3.5			
FM	(30°-60°)	2369.7	17.6			
FH	(60°-80°)	3793.5	28.1			G2/5000
FVH	(80°-90°)	99.2	0.7			G1/100
BL	(0°-30°)	475.6	3.5	B1/500		
BM	(30°-60°)	2369.7	17.6	B2/2500		
BH	(60°-80°)	3793.5	28.1	B4/5000		G2/5000
BVH	(80°-90°)	99.2	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°	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9
2.5°	1138.1	1138.8	1138.8	1137.3	1136.6	1136.6	1135.9	1135.9	1138.1	1138.8	1139.5
5°	1128.1	1128.1	1128.1	1127.4	1126.0	1126.0	1124.5	1124.5	1125.3	1127.4	1126.0
7.5°	1114.6	1116.0	1116.0	1113.2	1111.0	1111.0	1110.3	1111.0	1111.7	1113.9	1113.2
10°	1110.3	1111.0	1107.5	1102.5	1098.9	1096.8	1097.5	1098.9	1102.5	1103.9	1104.6
12.5°	1113.2	1113.2	1106.7	1099.6	1093.2	1090.4	1089.7	1094.6	1101.1	1105.3	1106.7
15°	1116.7	1115.3	1107.5	1098.2	1091.8	1091.1	1090.4	1093.9	1103.2	1111.7	1112.4
17.5°	1118.8	1118.1	1108.2	1096.8	1093.2	1093.2	1092.5	1095.4	1105.3	1116.0	1116.7
20°	1126.0	1123.8	1112.4	1100.3	1097.5	1098.9	1096.8	1100.3	1111.0	1123.8	1126.7
22.5°	1140.2	1138.1	1126.7	1114.6	1113.2	1113.2	1112.4	1116.0	1127.4	1140.9	1143.0
25°	1157.3	1155.1	1144.5	1135.9	1137.3	1140.2	1138.8	1139.5	1148.7	1160.1	1163.7
27.5°	1180.1	1176.5	1167.2	1160.1	1164.4	1164.4	1164.4	1163.7	1169.4	1180.1	1183.6
30°	1207.8	1206.4	1196.4	1195.7	1199.3	1195.7	1195.7	1196.4	1197.1	1207.1	1210.7
32.5°	1244.1	1241.3	1236.3	1234.9	1244.8	1247.7	1237.7	1228.5	1233.4	1243.4	1245.5
35°	1303.9	1299.6	1292.5	1284.7	1292.5	1306.0	1284.7	1277.6	1290.4	1303.9	1305.3
37.5°	1385.0	1382.9	1371.5	1357.3	1356.6	1370.8	1348.7	1348.0	1372.2	1388.6	1390.7
40°	1486.8	1488.9	1474.7	1461.2	1454.1	1465.5	1448.4	1454.8	1478.3	1496.8	1495.4
42.5°	1629.9	1622.0	1600.0	1587.2	1579.3	1575.1	1570.8	1580.8	1607.1	1627.0	1642.7
45°	1797.1	1794.3	1766.5	1750.9	1733.8	1727.4	1726.0	1743.7	1775.8	1800.0	1802.1
47.5°	1986.4	1980.0	1962.2	1945.9	1939.5	1931.6	1924.5	1938.0	1970.1	1987.2	1992.1
50°	2181.5	2182.9	2182.9	2180.0	2186.4	2187.9	2168.7	2173.6	2191.4	2190.0	2188.6
52.5°	2404.2	2412.1	2449.1	2452.6	2483.2	2503.9	2469.0	2448.4	2442.0	2403.5	2406.4
55°	2666.2	2673.3	2728.8	2784.3	2866.9	2901.7	2828.4	2764.4	2718.8	2660.5	2663.3
57.5°	2992.8	2996.4	3049.1	3155.8	3286.8	3368.6	3239.8	3113.1	3020.6	2965.1	2943.0
60°	3344.4	3348.0	3424.9	3555.1	3758.7	3858.3	3698.9	3491.8	3375.0	3290.3	3296.0
62.5°	3766.5	3780.7	3849.8	4029.1	4276.1	4387.8	4176.5	3899.6	3741.6	3636.2	3640.5
65°	4218.4	4242.6	4318.1	4515.2	4743.0	4863.3	4604.2	4284.6	4088.2	3959.4	3972.9
67.5°	4511.7	4533.0	4641.9	4859.7	5143.7	5243.3	4908.8	4536.6	4291.0	4137.3	4108.8
70°	4436.9	4454.7	4599.9	4908.8	5329.5	5455.4	4981.4	4499.6	4210.6	4033.4	4022.0
72.5°	3916.7	3879.7	4091.8	4535.2	5117.4	5328.7	4753.0	4109.5	3745.9	3563.6	3542.3
75°	2595.7	2676.1	2989.3	3511.7	4329.5	4591.4	4056.9	3299.6	2842.0	2690.4	2666.9
77.5°	867.6	929.5	1207.8	1990.7	2951.6	3345.1	2955.8	2158.0	1526.7	1229.9	1235.6
80°	229.9	227.0	293.9	547.3	1275.4	1937.3	1484.7	731.0	400.0	289.7	274.7
82.5°	82.6	92.5	118.9	151.6	338.1	602.1	424.9	205.0	150.2	111.0	107.5
85°	36.3	35.6	51.2	60.5	84.7	112.5	99.6	86.8	76.2	50.5	47.0
87.5°	7.8	7.8	12.1	9.3	14.9	14.9	18.5	22.1	22.8	14.9	12.1
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)