

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: P316087

Luminaire Tested: **GAN-SA3C-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 19021 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

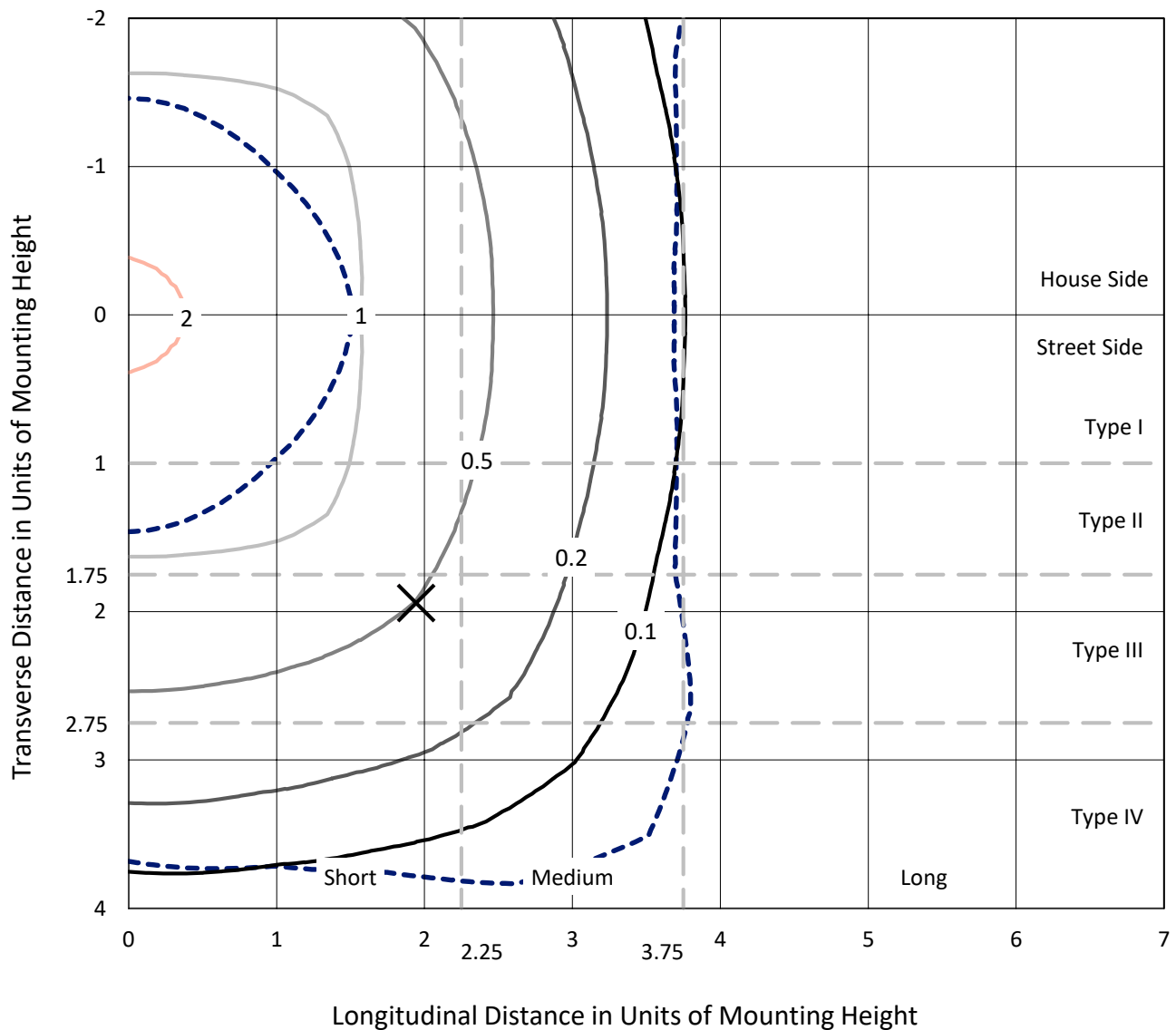
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

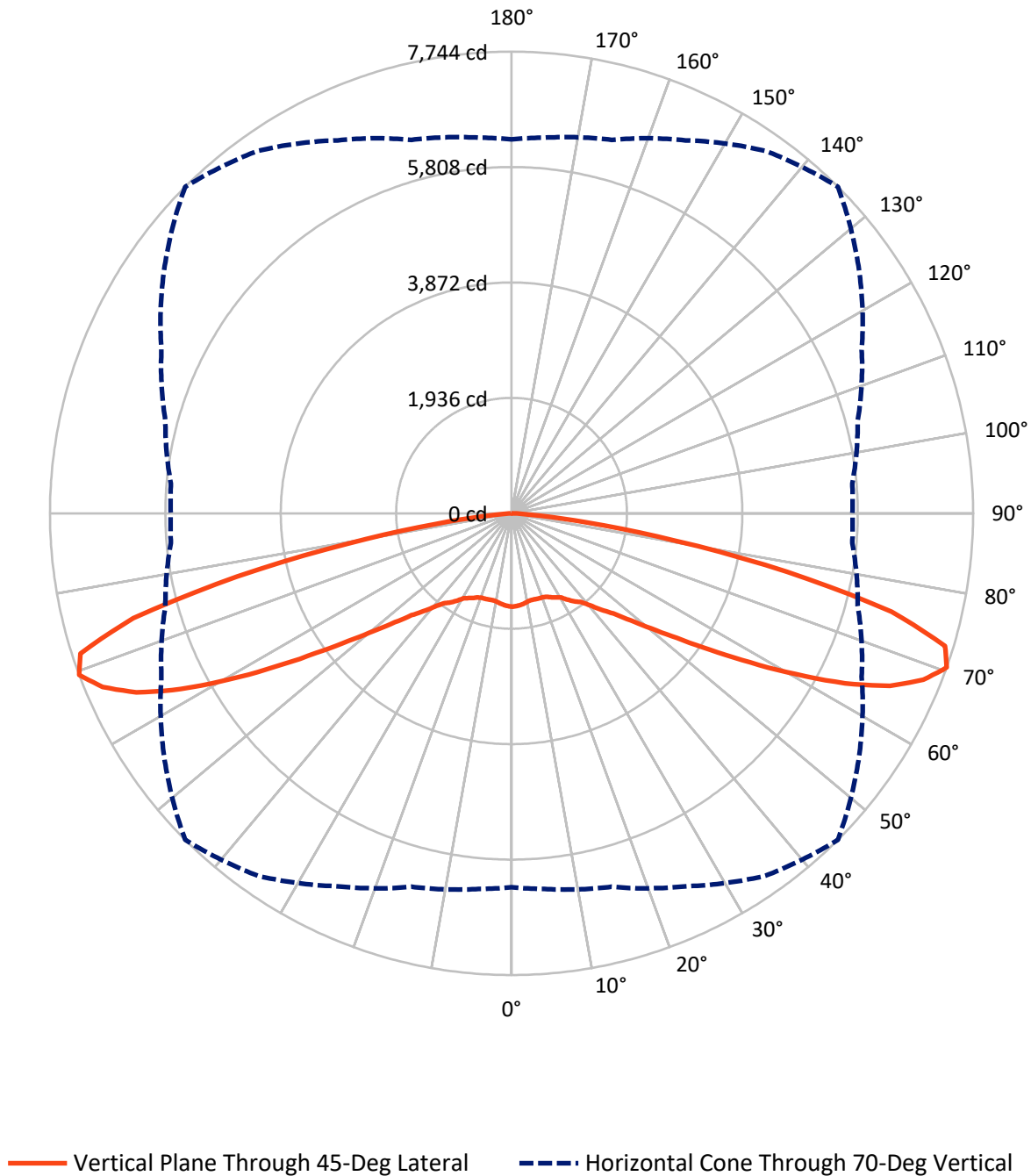
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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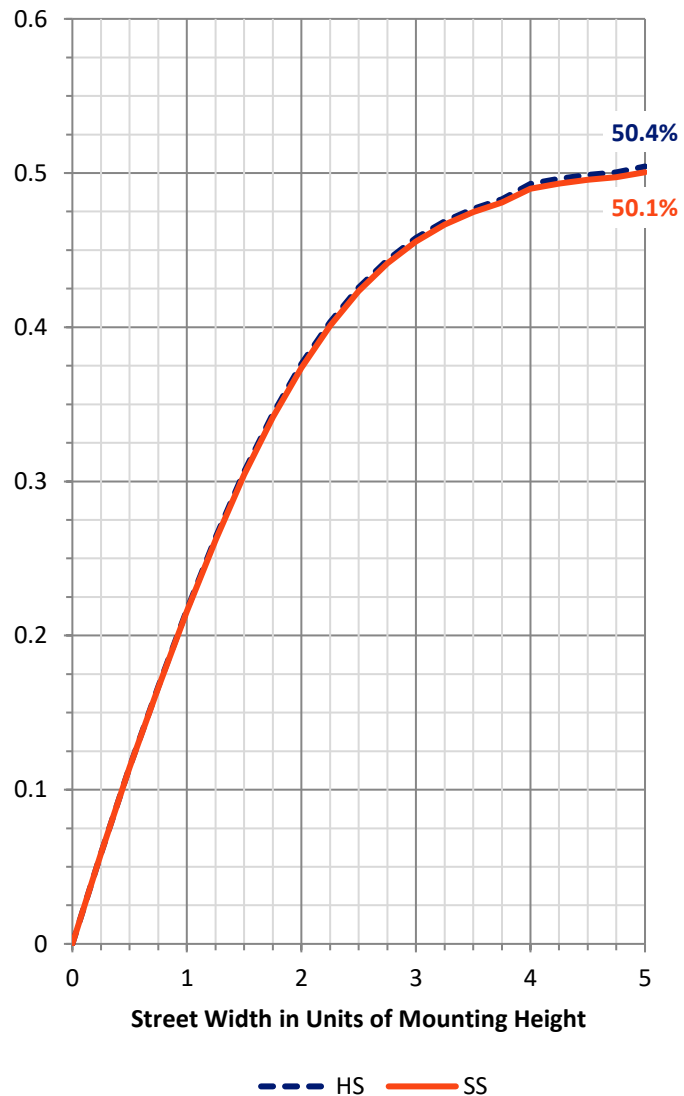
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9510.5	0.0	9510.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9510.5	0.0	9510.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19021.0	0.0	19021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	0.8
10°-20°	426.8	2.2
20°-30°	727.6	3.8
30°-40°	1137.0	6.0
40°-50°	1926.9	10.1
50°-60°	3513.9	18.5
60°-70°	6049.4	31.8
70°-80°	4741.7	24.9
80°-90°	351.6	1.8
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°	19021.0	100.0
0°-180°	19021.0	100.0

Coefficient of Utilization



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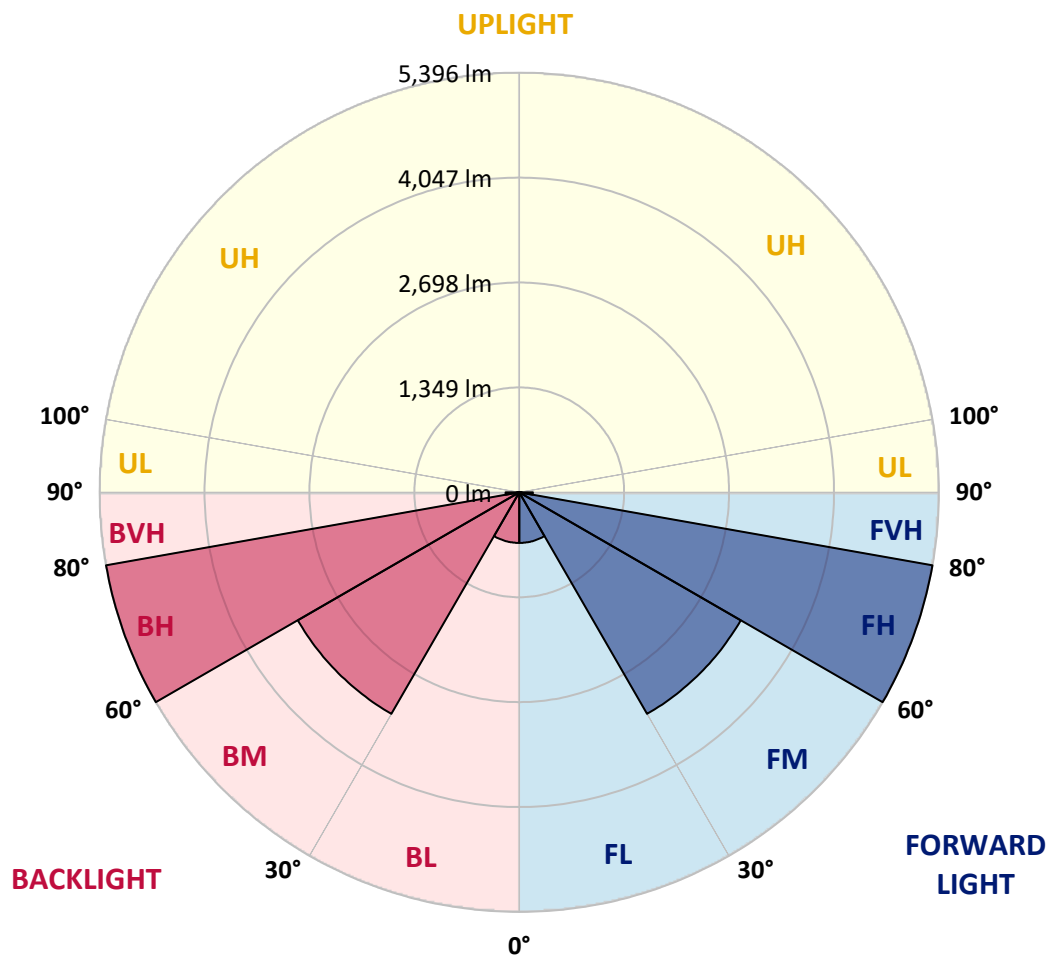
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	650.3	3.4			
FM	(30°-60°)	3288.9	17.3			
FH	(60°-80°)	5395.5	28.4			G3/7500
FVH	(80°-90°)	175.8	0.9			G2/225
BL	(0°-30°)	650.3	3.4	B2/1000		
BM	(30°-60°)	3288.9	17.3	B3/5000		
BH	(60°-80°)	5395.5	28.4	B5		G3/7500
BVH	(80°-90°)	175.8	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1565.4	1565.4	1565.4	1565.4	1565.4	1565.4	1565.4	1565.4	1565.4	1565.4	1565.4
2.5°	1558.5	1560.4	1558.5	1559.8	1556.6	1557.9	1557.9	1557.9	1557.3	1557.9	1556.6
5°	1544.7	1545.9	1543.4	1544.7	1542.8	1544.7	1545.3	1544.7	1543.4	1544.0	1541.5
7.5°	1523.9	1525.2	1523.3	1525.2	1522.6	1525.8	1525.2	1523.3	1521.4	1521.4	1518.9
10°	1512.6	1513.2	1508.2	1506.3	1500.6	1501.9	1503.8	1505.7	1507.5	1511.3	1510.7
12.5°	1513.2	1513.2	1505.7	1497.5	1489.3	1491.2	1494.3	1501.3	1508.8	1515.7	1516.4
15°	1519.5	1518.9	1507.5	1494.3	1488.7	1494.3	1496.2	1500.6	1512.6	1524.5	1525.2
17.5°	1523.9	1523.9	1506.3	1491.2	1490.6	1499.4	1498.7	1500.6	1513.8	1531.5	1532.1
20°	1532.1	1532.1	1509.4	1493.1	1493.1	1502.5	1503.1	1506.3	1519.5	1539.0	1542.2
22.5°	1550.3	1551.0	1527.1	1513.8	1515.1	1520.8	1522.6	1527.7	1539.6	1561.0	1564.8
25°	1576.1	1577.4	1552.8	1545.3	1549.7	1560.4	1559.1	1562.9	1576.1	1596.9	1600.7
27.5°	1612.0	1608.8	1586.2	1583.0	1587.5	1595.0	1594.4	1595.0	1605.7	1624.6	1629.0
30°	1658.6	1657.3	1640.9	1642.8	1640.9	1638.4	1639.0	1644.1	1649.7	1664.8	1669.2
32.5°	1703.9	1705.1	1695.0	1704.5	1718.3	1727.8	1713.3	1699.4	1693.2	1701.3	1705.1
35°	1785.6	1788.8	1773.1	1766.8	1785.6	1813.3	1772.4	1749.8	1762.4	1773.1	1776.2
37.5°	1924.7	1926.6	1900.2	1875.0	1861.2	1887.6	1846.7	1848.6	1892.6	1912.7	1912.1
40°	2083.3	2083.9	2066.3	2044.2	2020.3	2026.6	2010.3	2015.3	2044.2	2062.5	2067.5
42.5°	2272.0	2270.1	2242.4	2211.0	2204.1	2210.4	2182.7	2178.9	2212.2	2245.0	2245.6
45°	2516.8	2512.4	2476.5	2441.9	2408.5	2394.7	2387.8	2406.0	2452.0	2482.2	2482.8
47.5°	2780.4	2768.4	2749.6	2721.9	2692.9	2679.1	2667.8	2676.6	2709.9	2721.9	2723.1
50°	3051.6	3054.1	3057.9	3047.2	3036.5	3032.1	3002.5	2985.5	2995.6	2973.6	2970.4
52.5°	3373.1	3378.1	3414.6	3445.5	3463.7	3473.1	3417.1	3358.6	3325.9	3283.1	3270.5
55°	3752.5	3760.7	3814.2	3899.7	3987.8	4034.4	3933.1	3823.6	3722.3	3642.4	3616.6
57.5°	4175.3	4189.8	4263.4	4427.6	4608.2	4718.3	4547.2	4348.3	4152.7	4037.5	4017.4
60°	4671.1	4685.0	4786.9	5022.2	5314.8	5480.3	5221.0	4895.7	4652.2	4542.1	4505.0
62.5°	5261.3	5262.6	5387.8	5662.7	6049.1	6279.3	5928.3	5493.5	5242.4	5109.7	5073.8
65°	5896.2	5899.3	6028.9	6325.9	6725.4	6975.9	6579.5	6126.4	5819.4	5623.7	5596.0
67.5°	6344.8	6358.0	6494.5	6851.9	7225.6	7451.5	7041.3	6529.1	6174.3	5940.8	5917.6
70°	6273.0	6324.6	6485.1	6902.2	7422.0	7744.1	7116.2	6481.3	6013.2	5737.6	5718.1
72.5°	5470.8	5569.6	5783.5	6330.9	7162.1	7605.7	6707.8	5804.9	5275.1	5040.5	5005.2
75°	3725.4	3885.9	4208.7	4998.3	6118.9	6585.1	5647.0	4628.3	4130.0	3805.4	3781.4
77.5°	1661.1	1697.6	2106.5	3015.7	4222.5	4729.0	4103.0	3027.7	2272.6	1812.7	1715.8
80°	463.1	468.7	625.4	1123.1	2113.5	2778.5	2268.9	1179.7	663.2	467.5	440.4
82.5°	147.2	159.8	195.0	291.3	710.4	1267.8	729.2	314.6	224.0	178.7	161.1
85°	71.7	71.1	98.8	118.3	181.2	280.6	193.2	146.0	127.7	84.9	76.8
87.5°	30.2	30.8	45.9	41.5	52.9	45.3	62.3	65.4	68.6	37.8	32.7
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)