

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: P192569

Luminaire Tested: **GAN-AF-01-LED-U-5NQ-7030-600-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24141)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-5NQ-7030-600-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.2 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
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: 28.75 FT

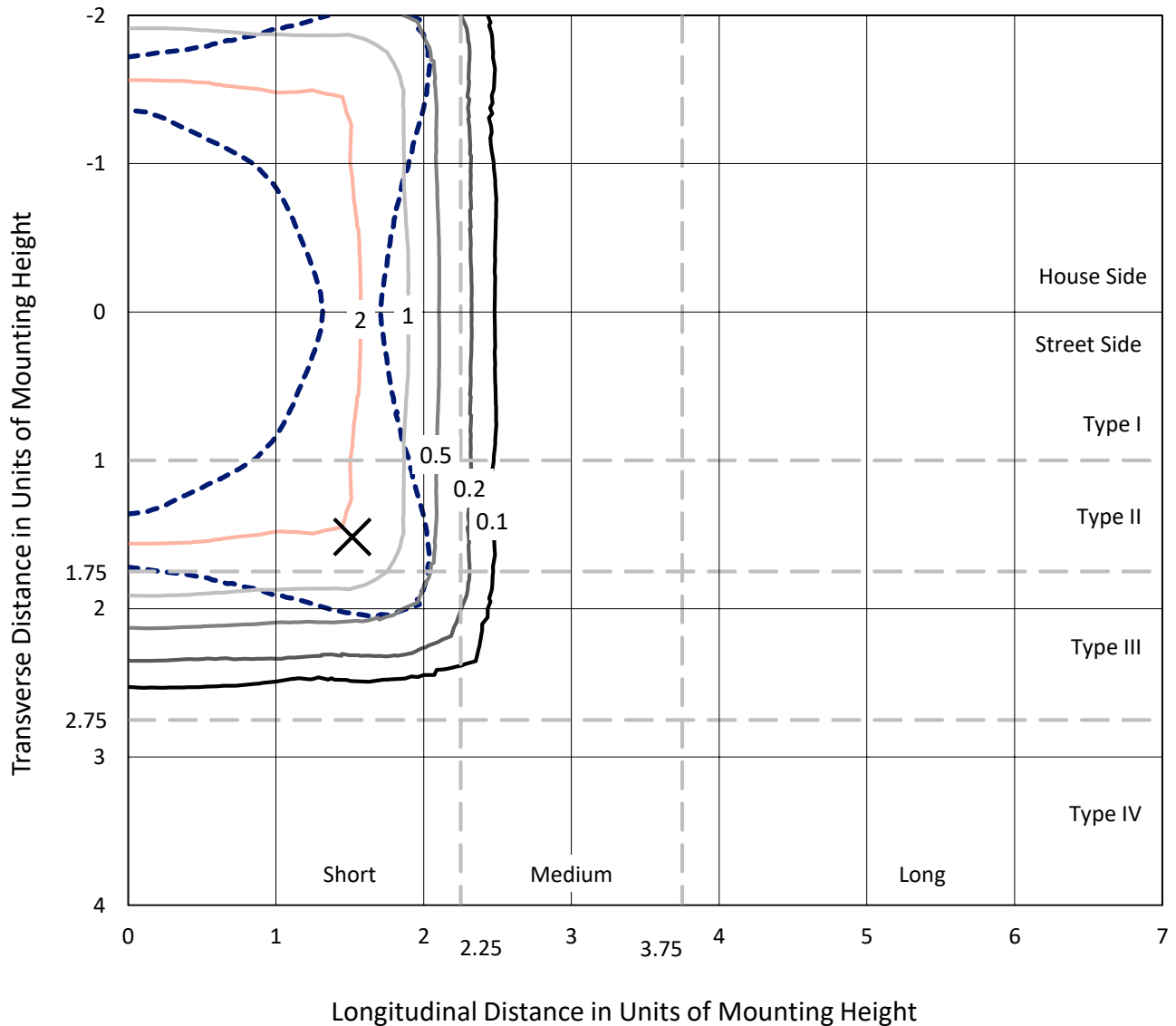


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

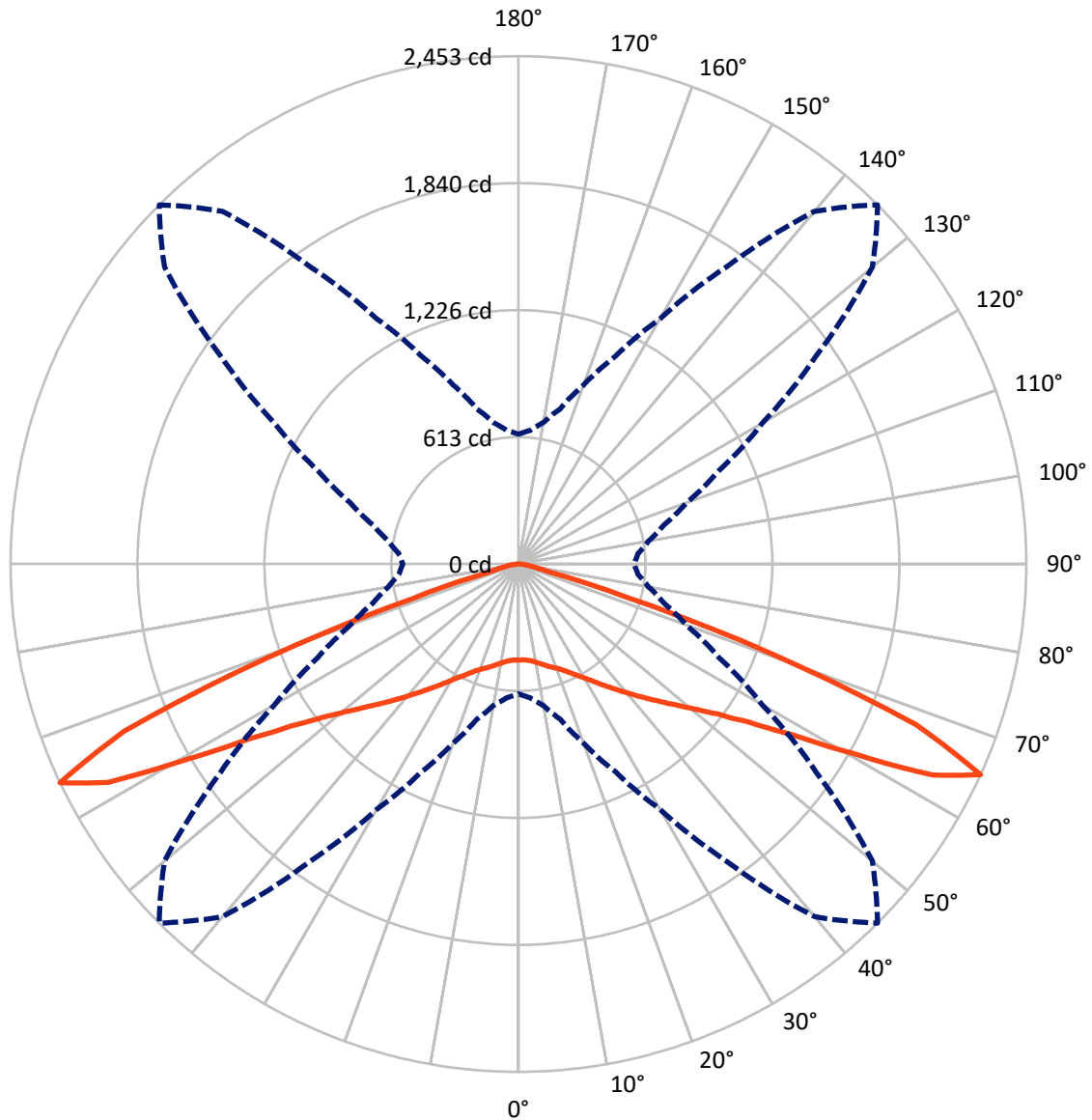


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2048.6	0.0	2048.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2048.6	0.0	2048.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4097.2	0.0	4097.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.1
10°-20°	144.9	3.5
20°-30°	271.0	6.6
30°-40°	458.3	11.2
40°-50°	749.4	18.3
50°-60°	1191.6	29.1
60°-70°	1077.1	26.3
70°-80°	136.3	3.3
80°-90°	23.5	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°	4097.2	100.0
0°-180°	4097.2	100.0



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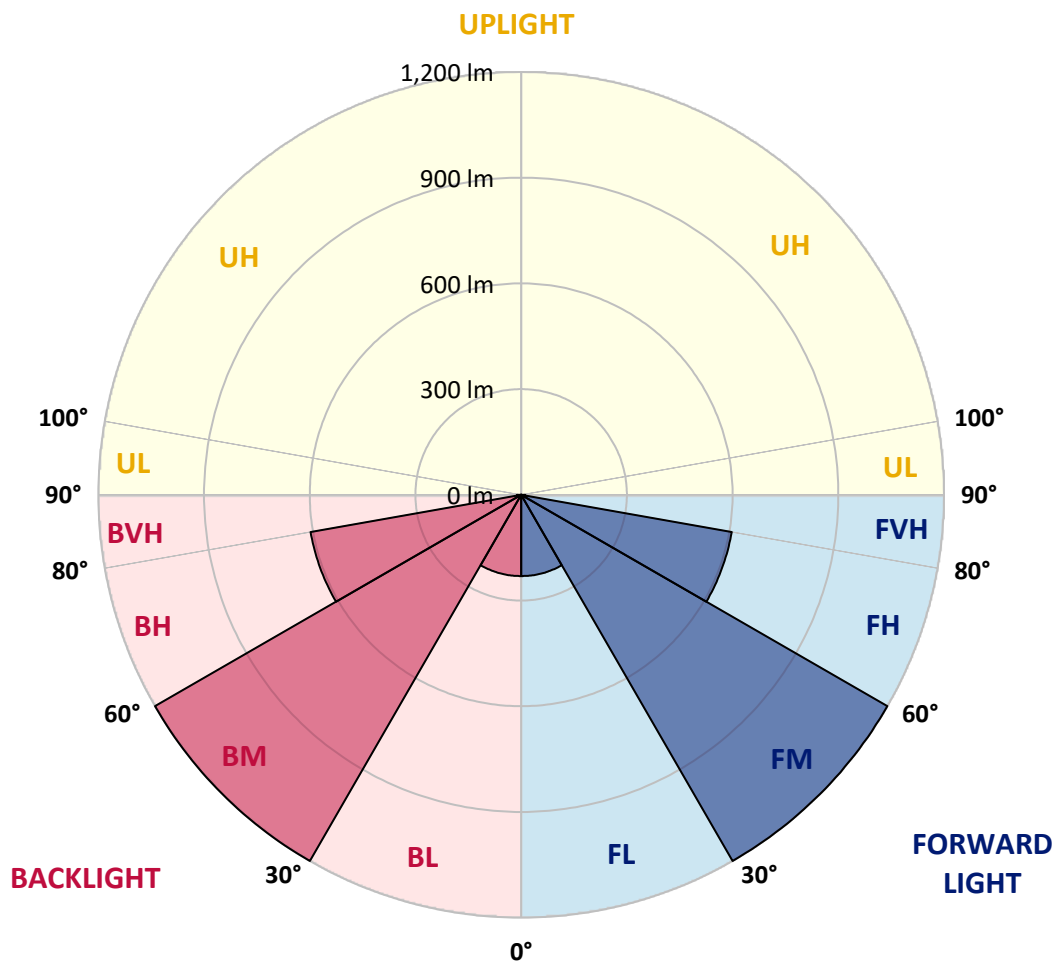
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.5	5.6			
FM (30°-60°)	1199.6	29.3			
FH (60°-80°)	606.7	14.8			G0/660
FVH (80°-90°)	11.7	0.3			G1/100
BL (0°-30°)	230.5	5.6	B1/500		
BM (30°-60°)	1199.6	29.3	B2/2500		
BH (60°-80°)	606.7	14.8	B2/1000		G0/660
BVH (80°-90°)	11.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	463.6	463.6	463.6	463.6	463.6	463.6	463.6	463.6	463.6	463.6	463.6
2.5°	464.1	464.4	464.8	464.4	464.8	464.2	463.8	464.4	463.8	463.3	463.6
5°	468.0	468.1	468.1	467.6	468.1	467.8	467.3	468.0	467.4	466.9	467.3
7.5°	474.7	475.5	474.9	474.3	474.7	474.3	473.9	474.1	473.9	473.4	473.5
10°	483.8	484.3	483.9	483.8	484.1	483.9	483.6	483.4	483.6	483.0	483.0
12.5°	494.7	494.5	494.3	494.5	495.1	495.1	494.8	495.1	495.5	495.6	495.3
15°	505.5	505.9	505.9	505.9	507.0	507.9	508.5	508.9	509.7	509.8	509.0
17.5°	518.9	518.9	518.7	518.9	520.0	521.6	522.1	523.0	523.7	524.2	523.3
20°	533.8	534.2	534.2	534.6	536.1	537.9	537.9	538.2	537.9	538.2	537.7
22.5°	552.1	553.2	553.2	553.4	554.9	557.0	556.4	557.0	556.1	556.9	556.1
25°	575.9	577.6	577.2	577.2	578.3	579.7	579.8	581.0	580.8	581.8	581.3
27.5°	602.7	605.4	606.2	606.0	606.7	608.1	608.5	609.7	609.0	609.7	609.4
30°	634.9	636.1	637.6	638.2	639.1	640.5	640.5	640.7	639.7	641.0	641.5
32.5°	668.3	670.5	672.0	675.4	677.2	678.2	678.0	678.3	677.4	678.9	680.0
35°	712.5	714.0	716.5	719.2	721.5	721.3	720.8	720.9	720.9	722.3	723.4
37.5°	765.7	766.0	769.3	773.1	774.3	773.1	769.6	768.8	767.2	768.8	770.9
40°	821.8	823.2	829.8	832.2	832.8	830.7	825.7	822.8	819.0	821.1	823.9
42.5°	880.7	883.5	889.4	893.8	895.7	894.4	887.5	883.1	878.1	879.2	881.9
45°	945.9	949.3	957.7	961.9	965.7	963.4	956.8	950.0	942.2	942.8	947.0
47.5°	1019.0	1022.2	1033.1	1040.2	1042.2	1041.8	1034.2	1025.1	1014.4	1013.9	1017.5
50°	1100.7	1103.9	1117.6	1128.5	1134.1	1133.4	1124.6	1111.6	1098.6	1098.7	1103.4
52.5°	1180.5	1184.5	1198.7	1217.5	1228.5	1236.4	1231.0	1218.7	1202.7	1203.2	1207.4
55°	1255.4	1262.1	1278.4	1303.9	1324.2	1346.3	1352.6	1352.2	1342.7	1345.3	1349.6
57.5°	1291.6	1301.6	1326.7	1367.1	1408.5	1453.3	1491.4	1519.8	1531.9	1550.1	1545.9
60°	1222.9	1238.8	1275.8	1335.1	1417.1	1510.7	1611.1	1709.2	1792.8	1856.0	1819.7
62.5°	1001.3	1022.0	1066.9	1142.9	1266.9	1416.8	1608.9	1840.6	2093.1	2245.5	2136.7
65°	626.5	648.0	693.7	775.0	920.1	1106.5	1367.1	1751.2	2223.0	2452.8	2231.3
67.5°	244.3	256.0	280.7	332.7	441.7	607.5	869.0	1305.0	1869.4	2070.7	1834.7
70°	122.4	123.6	128.2	137.7	161.1	209.3	318.5	605.1	1072.1	1294.8	1033.5
72.5°	88.5	88.6	90.9	95.2	102.7	113.4	134.2	185.2	348.6	532.8	326.8
75°	67.7	68.5	69.8	72.1	76.2	81.5	89.0	106.6	132.2	153.3	128.9
77.5°	52.2	53.7	54.7	56.9	59.3	63.0	65.0	71.8	83.5	87.9	86.6
80°	39.8	41.1	43.1	44.9	46.7	48.4	47.6	50.7	56.9	60.4	58.6
82.5°	25.3	26.9	33.0	34.5	35.3	36.5	35.1	35.3	38.0	40.3	38.0
85°	16.3	17.3	20.9	22.8	23.1	23.8	23.3	21.9	21.9	20.0	22.4
87.5°	7.4	7.6	9.4	11.2	11.5	10.4	10.2	9.9	7.8	7.4	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	463.6	463.6	463.6	463.6	463.6	463.6	463.6	463.6
2.5°	463.4	463.8	464.1	464.6	464.8	464.8	464.9	465.3
5°	467.1	467.6	467.8	468.6	468.8	468.6	468.9	469.2
7.5°	473.5	474.5	474.9	475.8	475.2	476.0	476.1	476.1
10°	483.2	484.1	484.3	485.1	484.7	485.1	485.1	484.7
12.5°	495.8	496.0	495.5	496.0	495.3	495.6	495.1	494.7
15°	509.8	509.2	507.9	507.9	506.8	507.0	506.8	506.6
17.5°	523.5	522.4	521.3	520.9	520.0	519.8	519.2	519.2
20°	538.4	537.9	537.3	536.6	535.6	534.6	534.4	534.9
22.5°	556.4	556.2	556.2	555.9	554.6	553.6	553.1	553.1
25°	580.6	579.0	579.0	578.7	578.2	577.6	576.5	577.0
27.5°	607.9	606.9	607.7	607.5	606.9	606.9	606.2	606.2
30°	641.5	641.2	642.2	641.3	639.3	639.1	638.4	637.4
32.5°	680.2	679.8	681.6	680.4	677.4	675.7	674.1	673.4
35°	723.4	723.7	725.7	724.9	721.5	720.3	717.7	717.3
37.5°	770.6	773.7	777.4	778.2	775.2	774.4	771.6	770.1
40°	826.1	830.2	835.8	837.0	833.9	833.3	829.4	827.2
42.5°	885.2	892.1	898.9	900.2	897.1	894.0	890.1	888.6
45°	951.2	959.4	968.5	970.8	966.2	962.5	957.5	957.5
47.5°	1025.3	1035.7	1045.8	1052.1	1047.9	1044.1	1038.1	1034.2
50°	1112.8	1127.0	1140.2	1146.6	1140.0	1132.7	1122.3	1119.0
52.5°	1222.5	1237.9	1249.4	1245.9	1235.6	1225.5	1214.1	1209.5
55°	1362.6	1367.8	1367.8	1354.7	1334.0	1316.9	1299.1	1293.1
57.5°	1537.9	1517.8	1487.1	1448.2	1399.3	1356.7	1327.8	1314.3
60°	1743.7	1647.7	1539.4	1432.8	1345.3	1273.2	1230.4	1210.8
62.5°	1880.9	1629.9	1412.7	1241.7	1115.9	1028.9	969.7	946.7
65°	1757.9	1359.3	1068.4	863.9	726.7	638.2	579.7	558.2
67.5°	1287.6	851.7	568.9	407.7	298.9	238.3	214.3	204.4
70°	578.0	299.9	183.9	143.5	123.8	113.6	109.2	107.6
72.5°	174.3	126.0	106.3	95.9	88.1	83.0	79.4	79.1
75°	105.1	87.5	77.7	71.6	66.5	62.6	60.6	60.1
77.5°	73.5	64.3	59.6	55.2	51.5	48.4	46.7	45.3
80°	51.6	47.2	45.2	42.6	40.1	37.2	34.8	33.6
82.5°	34.5	33.6	33.6	32.0	29.9	27.2	22.3	21.1
85°	22.3	22.1	22.4	21.9	20.3	17.5	14.4	13.6
87.5°	10.4	10.6	11.7	11.5	11.2	9.2	7.3	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)