

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: P316407

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18970 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

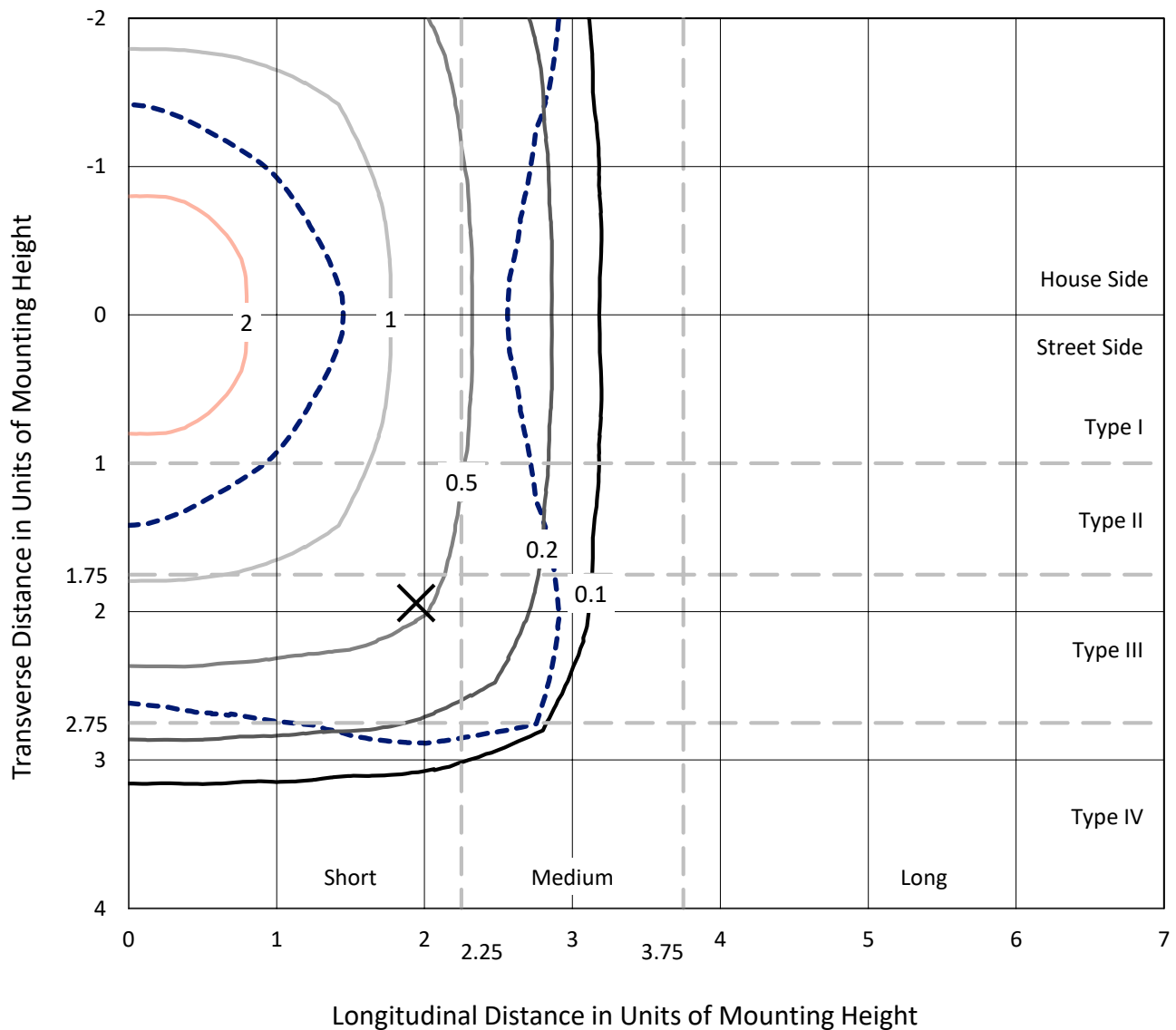
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

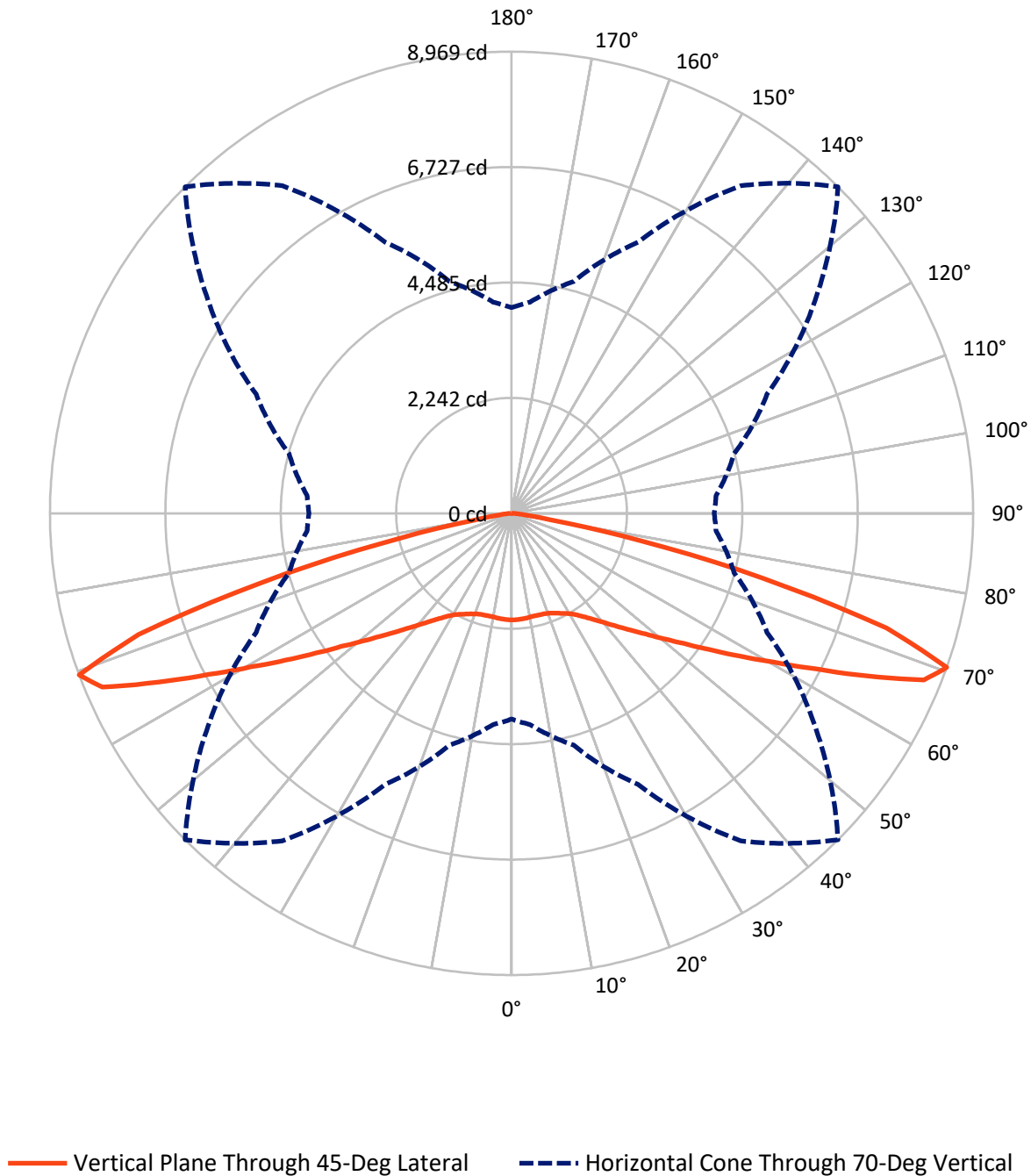
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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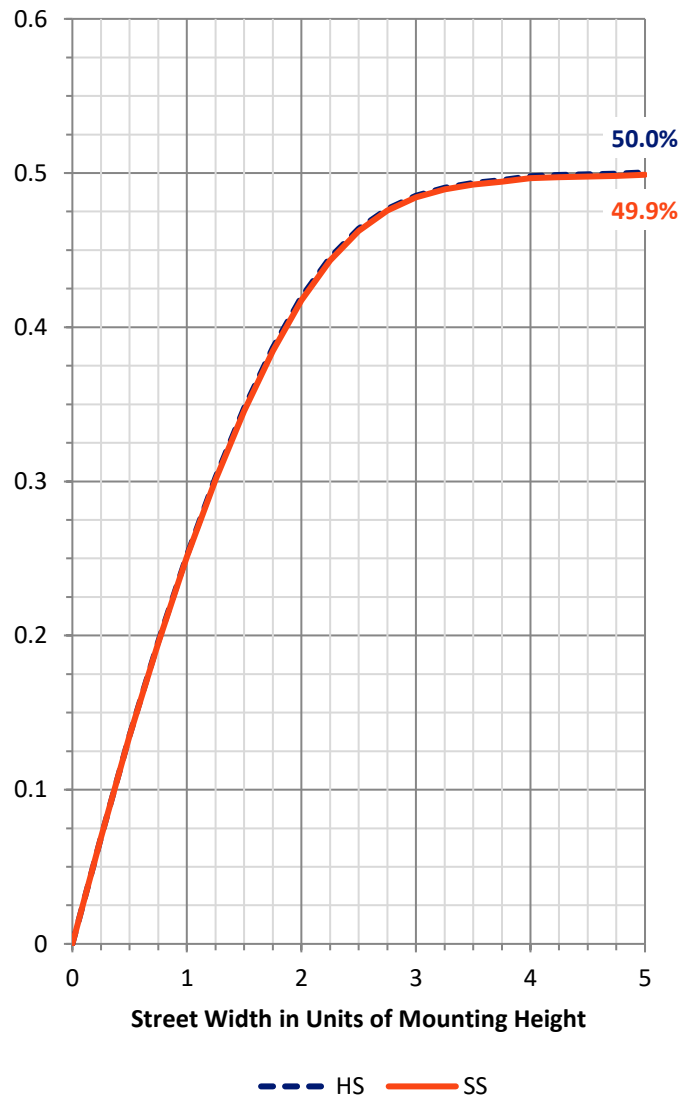
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9485.0	0.0	9485.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9485.0	0.0	9485.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18970.0	0.0	18970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.2	1.0
10°-20°	576.1	3.0
20°-30°	980.6	5.2
30°-40°	1555.3	8.2
40°-50°	2530.9	13.3
50°-60°	4173.1	22.0
60°-70°	6126.2	32.3
70°-80°	2709.0	14.3
80°-90°	122.7	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°	18970.0	100.0
0°-180°	18970.0	100.0

Coefficient of Utilization



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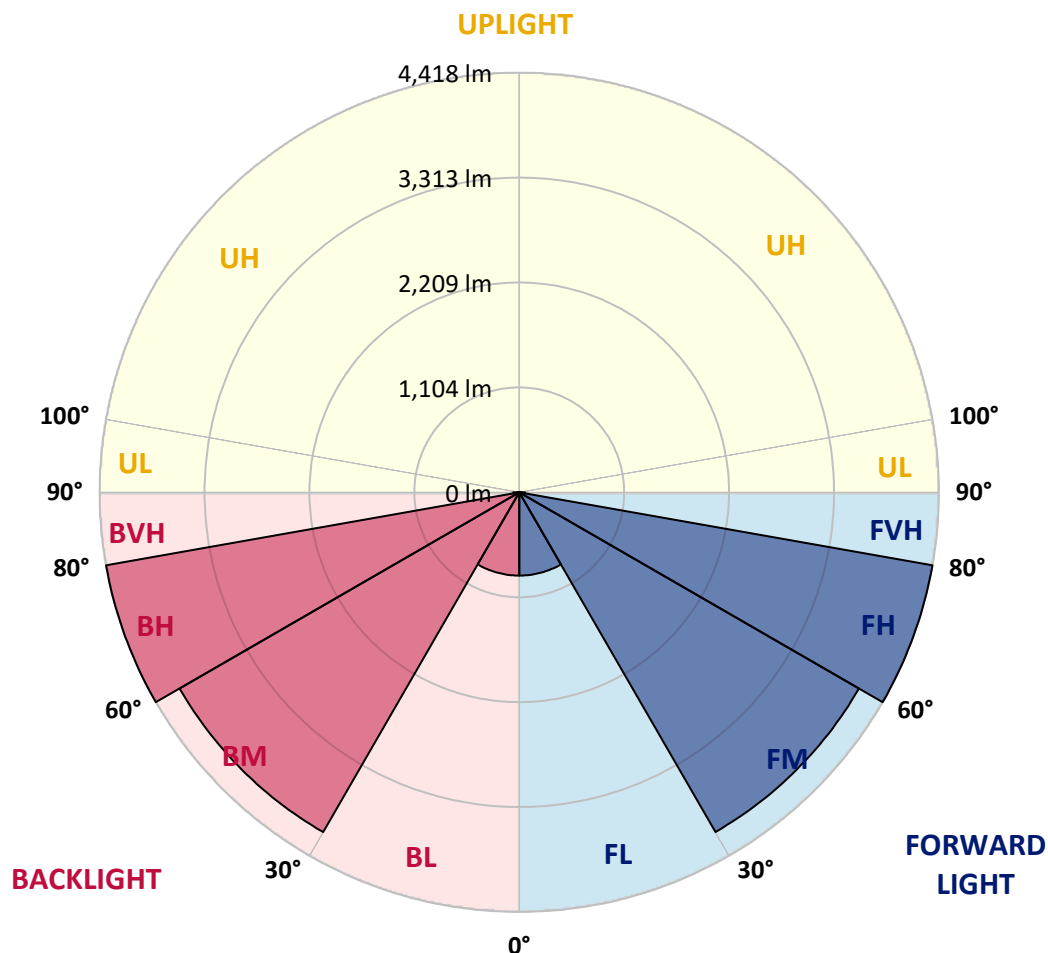
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	876.5	4.6			
FM	(30°-60°)	4129.6	21.8			
FH	(60°-80°)	4417.6	23.3			G2/5000
FVH	(80°-90°)	61.3	0.3			G1/100
BL	(0°-30°)	876.5	4.6	B2/1000		
BM	(30°-60°)	4129.6	21.8	B3/5000		
BH	(60°-80°)	4417.6	23.3	B4/5000		G2/5000
BVH	(80°-90°)	61.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2071.8	2071.8	2071.8	2071.8	2071.8	2071.8	2071.8	2071.8	2071.8	2071.8	2071.8
2.5°	2068.7	2066.8	2071.2	2070.6	2066.8	2067.4	2067.4	2069.3	2069.3	2068.1	2068.1
5°	2061.1	2059.9	2064.9	2064.9	2061.1	2062.4	2063.7	2065.5	2064.9	2063.7	2063.0
7.5°	2051.7	2051.1	2056.1	2056.1	2053.6	2054.9	2053.6	2054.2	2053.0	2051.7	2049.8
10°	2036.0	2037.3	2041.7	2042.9	2042.9	2043.6	2042.3	2039.2	2037.3	2035.4	2033.5
12.5°	2021.6	2021.0	2027.2	2030.4	2035.4	2041.1	2037.3	2028.5	2024.7	2021.0	2019.7
15°	2012.2	2012.8	2019.1	2024.7	2033.5	2045.5	2041.1	2027.2	2019.7	2015.3	2014.1
17.5°	2010.3	2011.5	2019.7	2029.8	2039.2	2052.4	2049.8	2036.0	2023.5	2015.3	2013.4
20°	2014.7	2015.3	2027.9	2042.3	2058.6	2071.2	2065.5	2050.5	2033.5	2021.0	2017.8
22.5°	2022.8	2025.4	2041.1	2063.7	2088.8	2105.7	2098.8	2073.1	2046.7	2031.0	2026.6
25°	2048.6	2049.2	2070.6	2101.3	2131.5	2150.9	2142.8	2106.3	2072.4	2054.9	2049.2
27.5°	2102.0	2103.8	2125.2	2161.0	2186.7	2199.3	2194.2	2164.7	2135.9	2117.0	2118.9
30°	2179.2	2181.7	2205.5	2245.1	2260.8	2263.9	2262.7	2248.9	2222.5	2197.4	2199.3
32.5°	2273.4	2274.6	2306.6	2342.4	2355.0	2357.5	2355.0	2342.4	2311.0	2277.1	2279.0
35°	2394.5	2398.3	2429.1	2463.6	2473.6	2478.6	2474.3	2457.9	2425.3	2392.0	2390.8
37.5°	2543.9	2544.6	2576.6	2612.4	2624.9	2626.2	2621.2	2610.5	2569.7	2539.5	2537.7
40°	2717.2	2719.7	2757.4	2795.7	2800.7	2795.1	2802.0	2795.7	2753.6	2719.1	2724.8
42.5°	2928.2	2933.8	2979.0	3016.7	3002.3	2999.1	3003.5	3005.4	2971.5	2929.4	2925.7
45°	3173.7	3178.7	3235.2	3265.3	3255.9	3235.2	3244.0	3259.0	3211.9	3159.8	3164.9
47.5°	3453.7	3466.2	3526.5	3554.7	3531.5	3503.3	3520.2	3542.8	3487.6	3422.9	3419.8
50°	3765.1	3780.8	3861.1	3900.7	3877.4	3825.3	3853.6	3868.7	3788.9	3705.4	3698.5
52.5°	4097.2	4112.9	4214.0	4295.6	4280.5	4199.5	4239.1	4223.4	4131.7	4019.3	4010.5
55°	4473.2	4479.5	4588.8	4720.6	4735.7	4676.0	4673.5	4647.8	4512.2	4382.2	4375.9
57.5°	4860.0	4864.4	5005.6	5161.3	5232.3	5232.3	5162.0	5107.3	4927.2	4776.5	4760.8
60°	5277.5	5293.2	5449.5	5661.1	5826.8	5875.8	5751.5	5602.7	5406.8	5222.9	5204.7
62.5°	5649.2	5667.4	5906.6	6221.7	6487.9	6666.2	6362.4	6120.0	5763.4	5468.3	5433.8
65°	5696.2	5745.2	6093.7	6664.4	7260.2	7616.1	7033.5	6436.5	5786.7	5376.7	5341.5
67.5°	5202.1	5285.0	5755.9	6644.3	7875.4	8639.5	7462.3	6255.6	5369.8	4916.5	4877.6
70°	3997.4	4117.9	4661.0	5811.8	7769.3	8969.1	7193.6	5476.5	4477.0	3989.2	3934.6
72.5°	2193.0	2242.6	2731.0	3979.8	6228.6	7621.8	6000.1	4049.5	2969.0	2415.9	2324.2
75°	695.6	713.2	961.8	1628.6	3523.3	5048.3	3811.5	1987.7	1094.3	806.8	797.3
77.5°	308.9	310.8	347.8	475.3	1213.6	2557.8	1457.8	541.2	372.9	325.8	336.5
80°	195.3	195.3	215.3	235.4	330.2	742.7	394.3	257.4	219.7	204.0	208.4
82.5°	93.5	103.6	140.0	150.7	181.4	249.9	202.2	168.3	146.9	109.2	101.7
85°	61.5	51.5	88.5	99.8	105.5	119.9	117.4	111.1	96.1	54.6	60.9
87.5°	27.6	26.4	45.8	42.1	39.6	30.1	45.2	55.9	54.0	27.0	27.0
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)