

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: P317047

Luminaire Tested: **GAN-SA3C-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18460 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

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



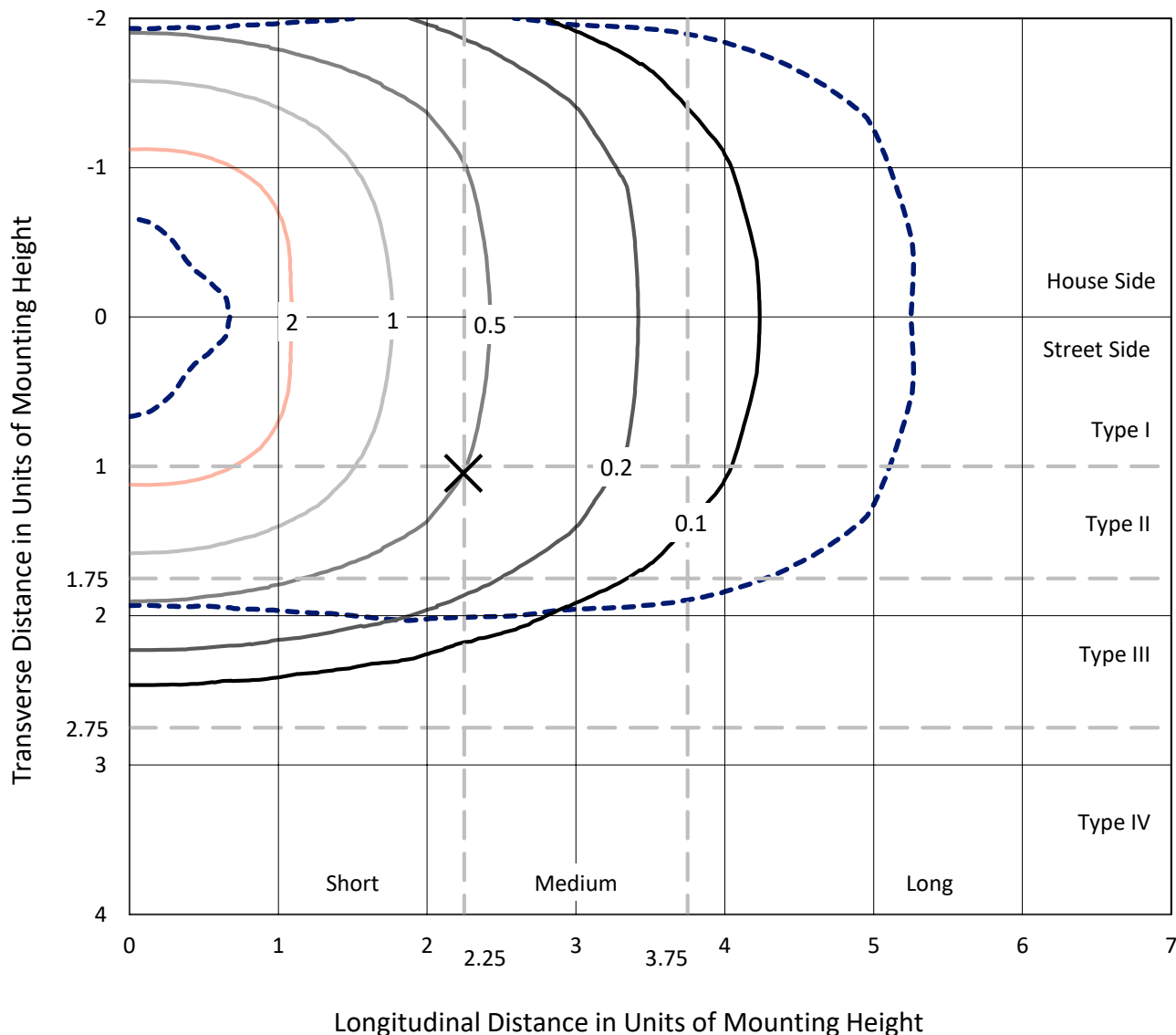
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

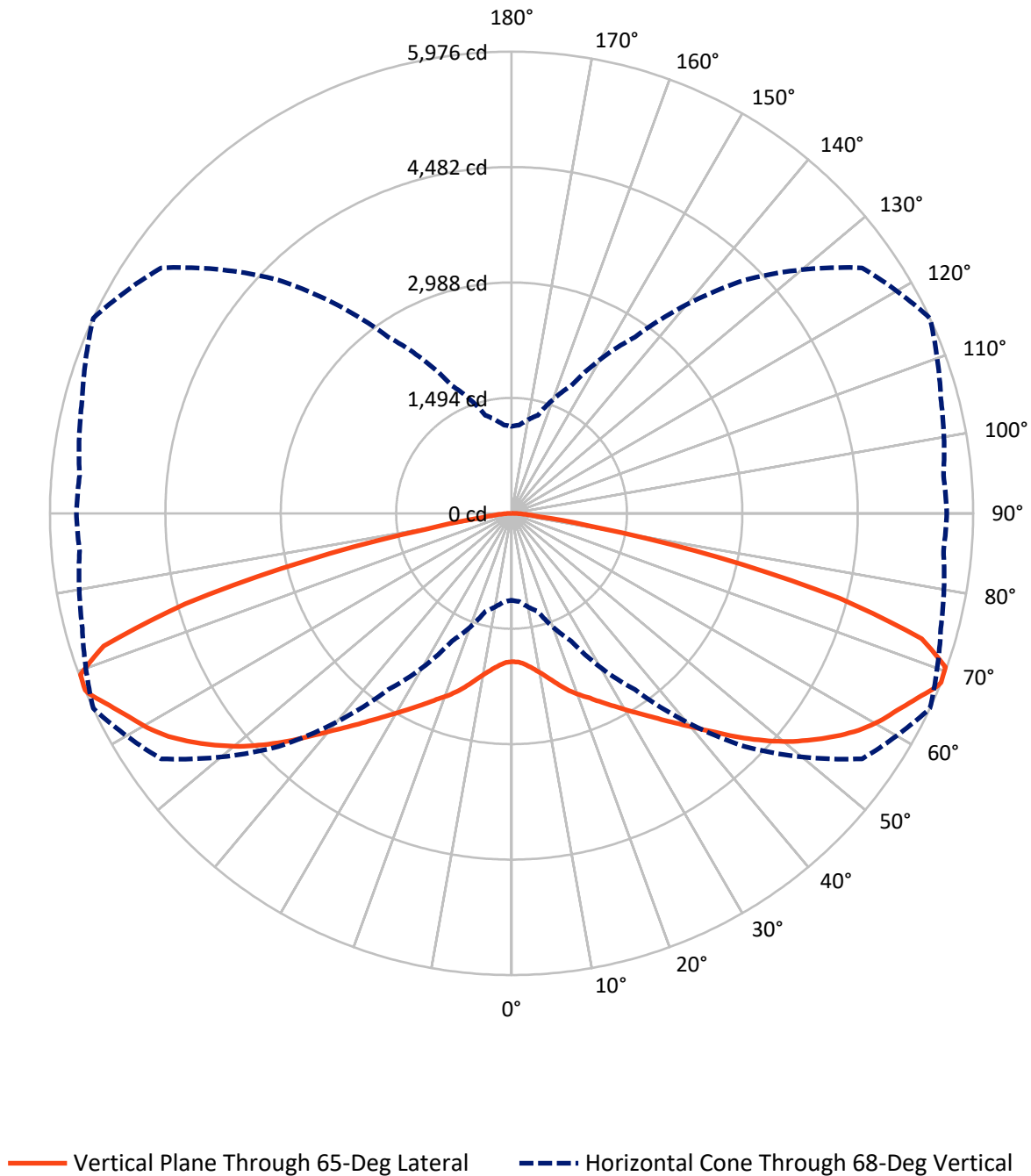


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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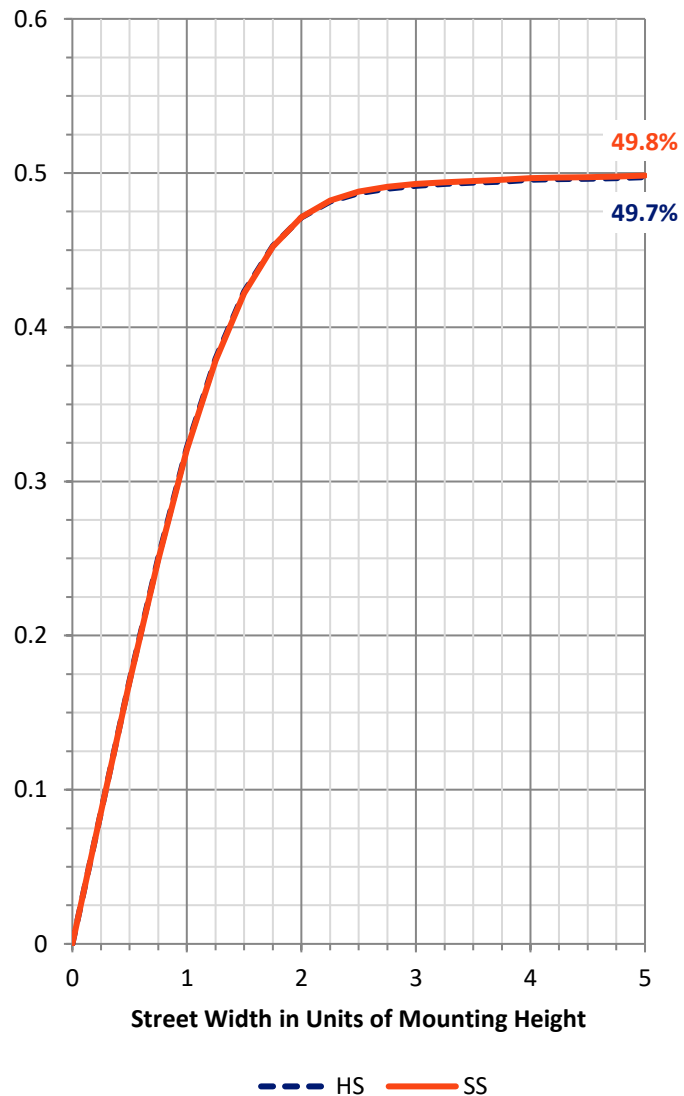
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9230.0	0.0	9230.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9230.0	0.0	9230.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18460.0	0.0	18460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.9	1.0
10°-20°	629.2	3.4
20°-30°	1226.9	6.6
30°-40°	2061.0	11.2
40°-50°	3247.5	17.6
50°-60°	4343.0	23.5
60°-70°	4221.9	22.9
70°-80°	2307.9	12.5
80°-90°	234.7	1.3
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°	18460.0	100.0
0°-180°	18460.0	100.0

Coefficient of Utilization



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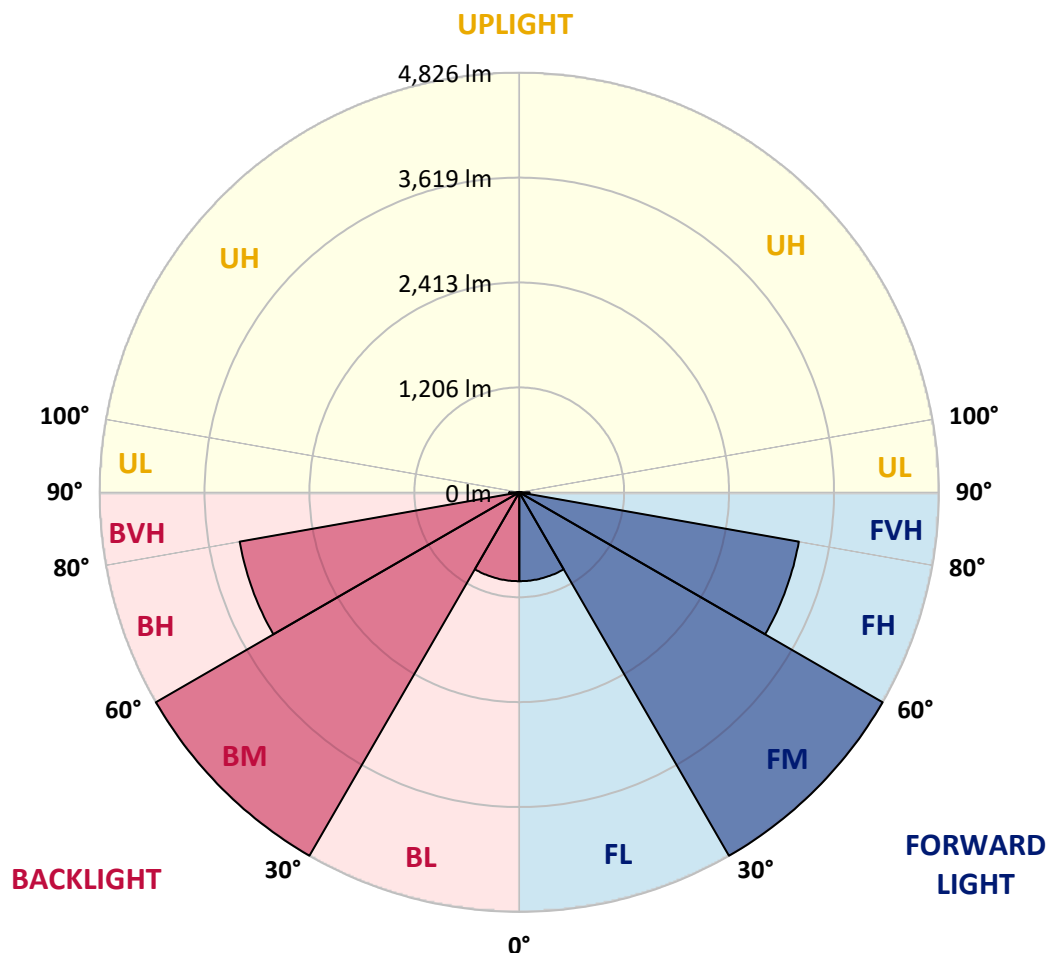
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1022.0	5.5			
FM	(30°-60°)	4825.7	26.1			
FH	(60°-80°)	3264.9	17.7			G2/5000
FVH	(80°-90°)	117.4	0.6			G2/225
BL	(0°-30°)	1022.0	5.5	B3/2500		
BM	(30°-60°)	4825.7	26.1	B3/5000		
BH	(60°-80°)	3264.9	17.7	B4/5000		G4/5000
BVH	(80°-90°)	117.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1919.4	1919.4	1919.4	1919.4	1919.4	1919.4	1919.4	1919.4	1919.4	1919.4	1919.4
2.5°	1905.8	1906.4	1909.5	1913.2	1916.3	1924.4	1926.2	1929.3	1930.5	1933.6	1933.6
5°	1889.1	1890.3	1897.7	1907.6	1918.8	1938.6	1952.8	1968.9	1977.0	1985.6	1985.0
7.5°	1887.2	1890.3	1900.8	1916.9	1935.5	1968.3	1998.0	2030.2	2051.9	2071.7	2070.4
10°	1906.4	1911.4	1926.2	1950.4	1978.2	2019.1	2063.0	2106.3	2144.1	2174.4	2175.7
12.5°	1935.5	1941.7	1965.2	2001.7	2043.8	2096.4	2148.4	2197.3	2249.3	2294.5	2298.2
15°	1973.9	1981.9	2017.2	2071.7	2136.0	2198.6	2254.3	2304.4	2364.4	2427.0	2433.1
17.5°	2030.8	2042.0	2088.4	2162.0	2246.8	2315.5	2373.7	2411.5	2461.6	2526.0	2537.8
20°	2117.5	2131.7	2190.5	2278.4	2381.8	2453.6	2498.1	2506.2	2530.9	2588.5	2602.1
22.5°	2230.1	2242.5	2308.1	2412.7	2528.5	2606.5	2630.0	2597.8	2595.3	2641.7	2654.7
25°	2355.8	2366.9	2443.0	2560.7	2685.1	2771.1	2770.5	2708.0	2664.6	2700.5	2714.2
27.5°	2496.9	2514.2	2587.3	2711.1	2844.1	2928.9	2924.0	2827.4	2745.1	2754.4	2766.1
30°	2659.1	2678.3	2749.4	2875.1	3008.2	3091.1	3084.9	2957.4	2833.6	2808.9	2817.5
32.5°	2860.2	2883.1	2950.6	3074.4	3192.0	3266.9	3248.9	3098.5	2940.1	2886.2	2894.3
35°	3102.2	3115.9	3187.0	3309.0	3404.3	3455.7	3417.9	3261.9	3075.0	3010.0	3010.0
37.5°	3347.4	3357.9	3437.7	3555.9	3648.2	3675.4	3601.7	3440.8	3251.4	3159.2	3161.0
40°	3582.6	3611.0	3700.8	3822.1	3913.1	3920.5	3822.7	3645.1	3447.6	3352.3	3363.4
42.5°	3828.3	3856.1	3963.2	4100.6	4181.1	4193.5	4079.0	3874.1	3669.2	3591.8	3604.2
45°	4047.4	4069.7	4193.5	4353.2	4453.4	4485.6	4350.1	4136.5	3908.8	3833.2	3836.3
47.5°	4200.3	4229.4	4365.5	4553.7	4699.8	4749.3	4616.2	4392.2	4144.6	4053.0	4061.0
50°	4338.9	4354.4	4492.4	4697.9	4883.6	4985.8	4871.9	4644.7	4382.9	4285.7	4294.4
52.5°	4416.3	4436.1	4569.8	4784.0	5003.7	5168.3	5099.0	4871.9	4613.1	4518.4	4529.0
55°	4362.5	4377.3	4537.6	4803.2	5078.0	5281.0	5291.5	5094.1	4839.1	4756.1	4785.8
57.5°	4117.3	4135.9	4331.5	4679.4	5087.3	5357.1	5436.4	5300.2	5050.1	4982.7	5000.0
60°	3734.2	3746.0	3954.6	4345.7	4906.5	5388.7	5528.6	5468.5	5256.9	5189.4	5212.9
62.5°	3051.5	3068.8	3318.3	3842.5	4524.6	5295.2	5617.7	5607.8	5449.4	5387.5	5408.5
65°	2085.9	2116.2	2392.3	3055.2	3936.0	5009.3	5698.8	5770.0	5619.6	5541.6	5569.4
67.5°	1259.6	1281.9	1481.8	2017.2	3011.9	4432.4	5615.2	5954.4	5739.6	5614.0	5636.9
68°	1125.9	1146.3	1313.4	1820.4	2786.0	4269.6	5539.1	5975.5	5752.6	5612.8	5633.2
70°	680.2	693.9	805.9	1125.3	1857.5	3387.0	5019.8	5958.1	5835.6	5630.1	5641.9
72.5°	443.2	447.5	466.1	577.5	948.9	1894.0	3767.6	5552.1	5960.0	5731.0	5729.1
75°	368.3	365.8	367.7	380.7	467.9	830.6	2201.7	4386.0	5681.5	5571.9	5532.9
77.5°	311.3	309.5	308.9	309.5	313.2	401.1	955.7	2732.1	4347.6	4928.8	4963.5
80°	251.9	249.4	257.5	253.8	242.6	249.4	400.5	1136.4	2049.4	2204.7	2066.1
82.5°	183.2	173.9	208.6	198.7	189.4	175.8	221.0	367.0	489.0	335.5	235.8
85°	141.1	131.2	158.5	152.3	130.0	89.7	131.2	179.5	198.1	113.3	89.1
87.5°	57.6	60.7	114.5	90.4	76.1	43.3	53.8	71.8	96.6	48.3	37.1
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)