

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: P836467

Luminaire Tested: **ARCH3-190-730-U-5WQ**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P836467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-190-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1440mA LIGHTSQUARE WITH 40 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

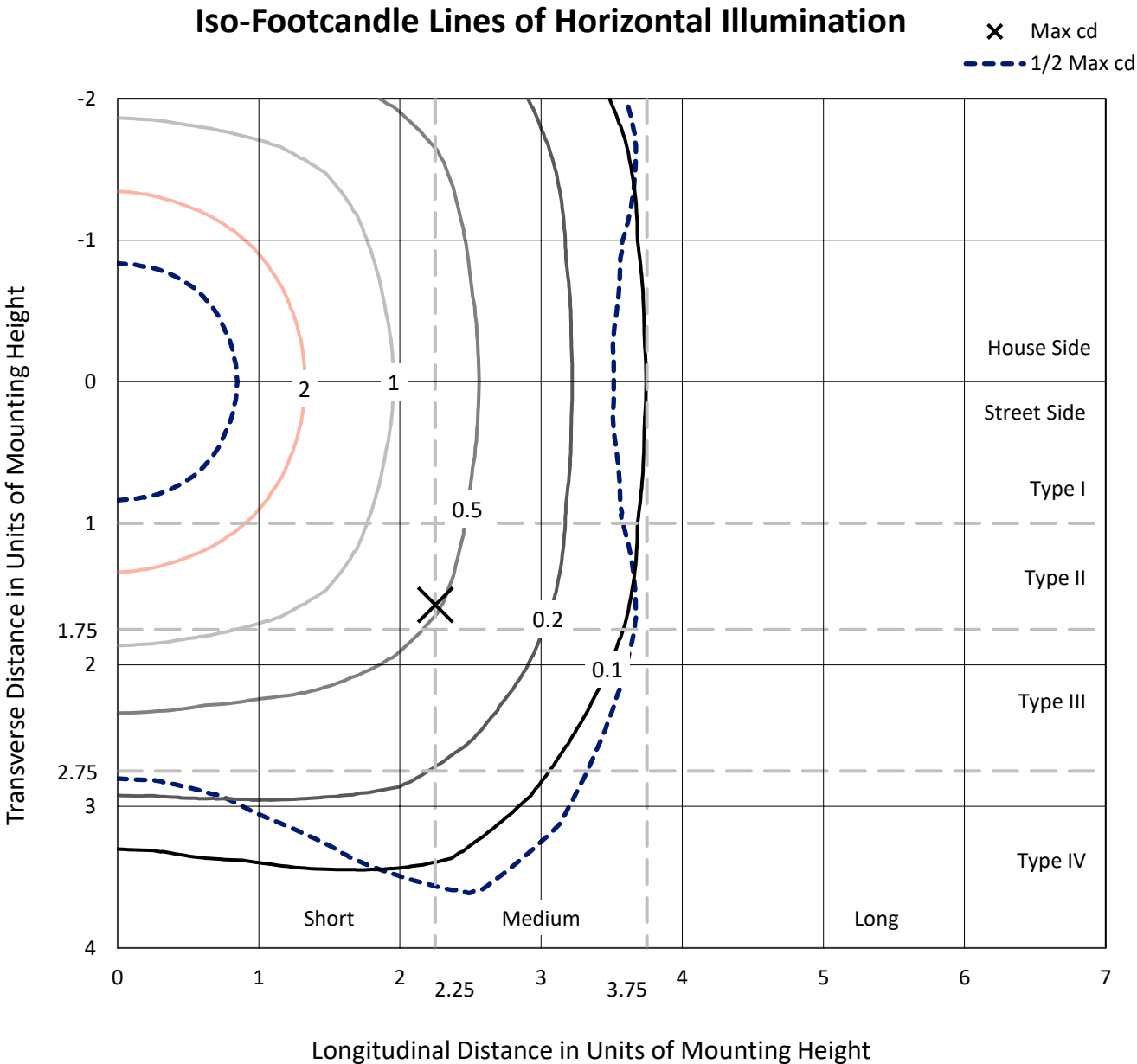
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24263 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.4
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



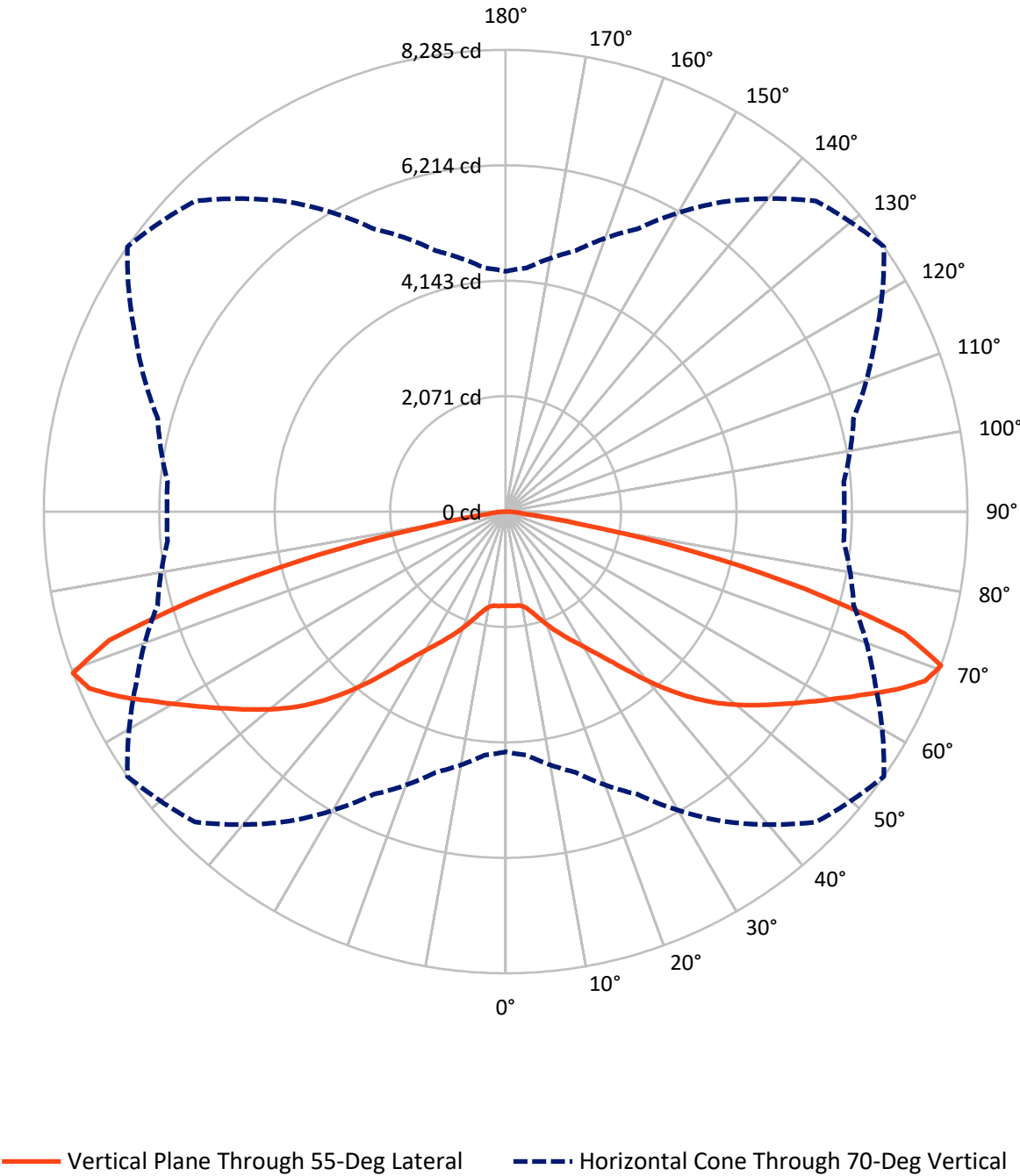
REPORT NUMBER: P836467
CATALOG NUMBER: ARCH3-190-730-U-5WQ



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type V - Medium - N/A

REPORT NUMBER: P836467
CATALOG NUMBER: ARCH3-190-730-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P836467

CATALOG NUMBER: ARCH3-190-730-U-5WQ

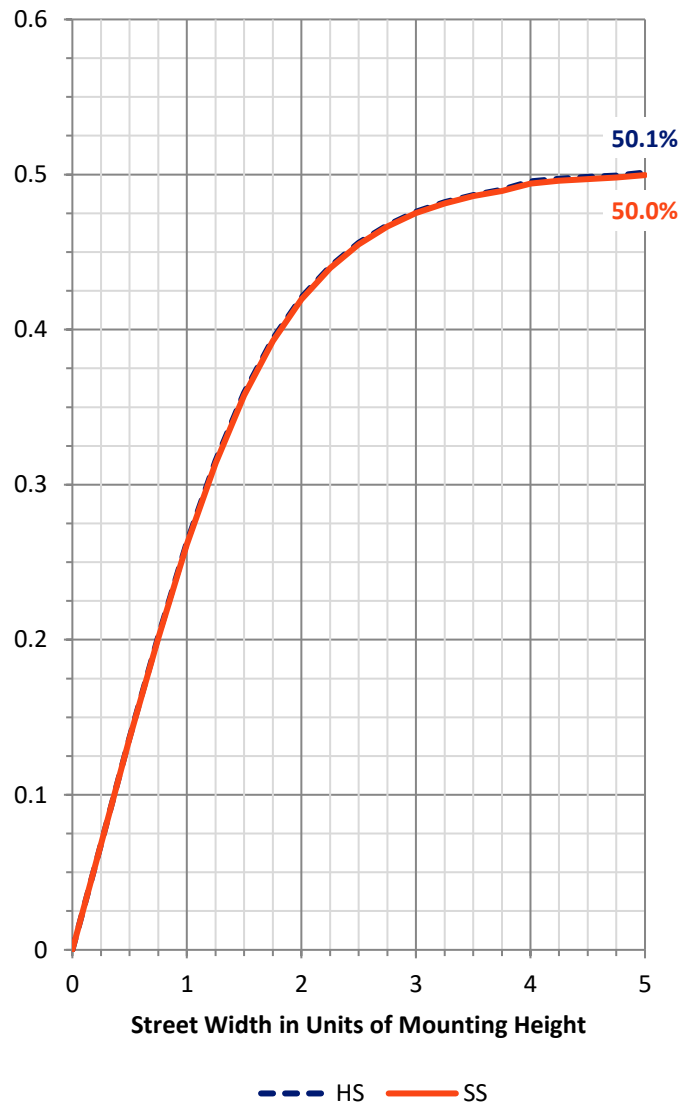
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12131.5	0.0	12131.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12131.5	0.0	12131.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24263.0	0.0	24263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	0.7
10°-20°	555.7	2.3
20°-30°	1154.7	4.8
30°-40°	2132.7	8.8
40°-50°	3746.7	15.4
50°-60°	5403.6	22.3
60°-70°	6613.4	27.3
70°-80°	4208.3	17.3
80°-90°	284.7	1.2
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°	24263.0	100.0
0°-180°	24263.0	100.0

Coefficient of Utilization



REPORT NUMBER: P836467

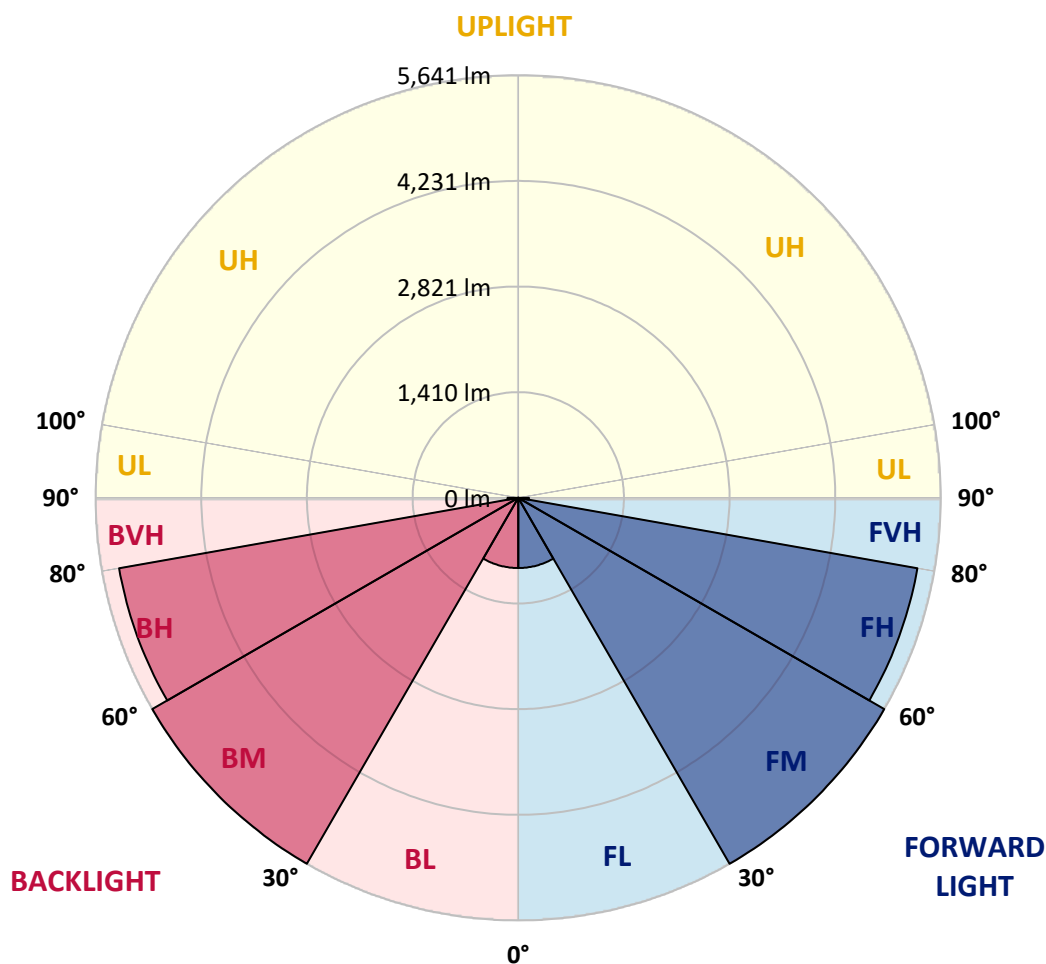
CATALOG NUMBER: ARCH3-190-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	936.9	3.9			
FM	(30°-60°)	5641.5	23.3			
FH	(60°-80°)	5410.8	22.3			G3/7500
FVH	(80°-90°)	142.4	0.6			G2/225
BL	(0°-30°)	936.9	3.9	B2/1000		
BM	(30°-60°)	5641.5	23.3	B4/8500		
BH	(60°-80°)	5410.8	22.3	B5		G3/7500
BVH	(80°-90°)	142.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Medium



REPORT NUMBER: P836467

CATALOG NUMBER: ARCH3-190-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4
2.5°	1713.9	1713.9	1709.4	1709.4	1700.4	1695.9	1691.4	1691.4	1686.8	1686.8	1682.3
5°	1722.9	1722.9	1722.9	1718.4	1713.9	1709.4	1700.4	1691.4	1686.8	1682.3	1677.8
7.5°	1727.4	1727.4	1722.9	1722.9	1718.4	1713.9	1700.4	1686.8	1682.3	1677.8	1677.8
10°	1763.5	1759.0	1754.5	1745.5	1745.5	1745.5	1727.4	1713.9	1709.4	1709.4	1709.4
12.5°	1849.2	1844.7	1835.7	1822.2	1822.2	1826.7	1799.6	1781.6	1781.6	1777.1	1777.1
15°	1975.5	1971.0	1962.0	1939.4	1934.9	1943.9	1903.3	1885.3	1885.3	1885.3	1880.8
17.5°	2115.3	2106.3	2092.8	2074.7	2074.7	2074.7	2034.1	2011.6	1998.1	1998.1	1993.5
20°	2232.6	2228.1	2228.1	2223.6	2237.1	2237.1	2183.0	2146.9	2115.3	2097.3	2092.8
22.5°	2336.3	2331.8	2340.8	2358.9	2385.9	2395.0	2331.8	2277.7	2228.1	2192.0	2183.0
25°	2476.2	2471.6	2467.1	2494.2	2539.3	2552.8	2485.2	2417.5	2367.9	2349.9	2340.8
27.5°	2625.0	2629.5	2634.0	2661.1	2697.2	2719.7	2652.1	2588.9	2548.3	2521.3	2512.2
30°	2791.9	2800.9	2814.4	2855.0	2882.1	2891.1	2832.5	2787.4	2751.3	2728.7	2715.2
32.5°	3003.9	3021.9	3039.9	3076.0	3089.6	3080.5	3053.5	3021.9	2994.8	2963.3	2958.8
35°	3319.6	3337.6	3333.1	3346.6	3351.1	3342.1	3328.6	3310.6	3297.0	3256.4	3251.9
37.5°	3716.5	3734.5	3707.5	3693.9	3662.4	3666.9	3662.4	3675.9	3680.4	3639.8	3635.3
40°	4117.9	4135.9	4099.9	4063.8	4032.2	4018.7	4041.2	4086.3	4086.3	4059.3	4059.3
42.5°	4546.4	4559.9	4501.3	4456.2	4415.6	4406.6	4420.1	4474.2	4487.7	4483.2	4483.2
45°	4974.9	4965.8	4889.2	4844.1	4808.0	4785.4	4789.9	4830.5	4857.6	4871.1	4871.1
47.5°	5304.1	5290.6	5227.4	5191.3	5168.8	5137.2	5137.2	5159.8	5173.3	5177.8	5177.8
50°	5565.7	5552.2	5489.0	5484.5	5484.5	5471.0	5457.5	5452.9	5443.9	5448.4	5448.4
52.5°	5791.2	5773.2	5728.1	5737.1	5777.7	5786.7	5768.7	5732.6	5696.5	5683.0	5687.5
55°	6034.8	6007.7	5971.6	5998.7	6079.9	6116.0	6088.9	6016.7	5953.6	5913.0	5913.0
57.5°	6228.7	6197.1	6197.1	6273.8	6422.7	6494.8	6436.2	6300.9	6192.6	6147.5	6152.0
60°	6093.4	6066.3	6174.6	6512.9	6792.5	6914.3	6815.1	6576.0	6400.1	6346.0	6355.0
62.5°	5827.3	5809.3	5944.6	6467.8	7126.3	7378.8	7230.0	6887.2	6625.6	6562.5	6562.5
65°	5434.9	5430.4	5619.8	6264.8	7202.9	7825.4	7699.1	7225.5	6887.2	6801.5	6819.6
67.5°	5029.0	5029.0	5200.4	5917.5	7112.7	8014.8	8114.0	7532.2	7013.5	6801.5	6806.0
70°	4311.8	4388.5	4844.1	5597.3	6783.5	7879.5	8285.4	7315.7	6463.3	6088.9	6075.4
72.5°	2841.5	2940.7	3847.3	5038.0	6458.7	7387.9	7478.1	6427.2	5367.2	4929.8	4907.2
75°	1713.9	1799.6	2494.2	3933.0	5678.5	5949.1	5552.2	5038.0	4009.7	3666.9	3666.9
77.5°	505.2	563.8	1150.1	2494.2	3928.5	3910.4	3423.3	2967.8	2372.4	2016.1	2043.2
80°	297.7	306.7	374.4	1136.6	1628.2	1713.9	1321.5	825.4	825.4	613.4	595.4
82.5°	230.0	230.0	239.0	284.1	392.4	437.5	333.8	284.1	324.7	275.1	261.6
85°	162.4	162.4	162.4	166.9	171.4	175.9	184.9	189.4	207.5	171.4	162.4
87.5°	49.6	54.1	58.6	67.7	81.2	85.7	90.2	81.2	81.2	76.7	72.2
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)