

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: P841594

Luminaire Tested: **ARCH4-200-730-U-5WQ**

Issue Date: 5/27/2024

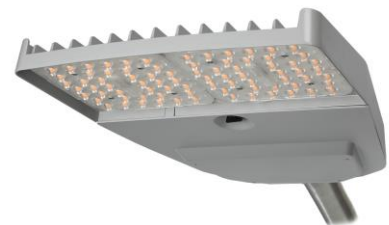
Test Information

Test Method: LM-79-08
Report Number: P841594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-200-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30708 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G3

Input Watts (W): 203.7
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

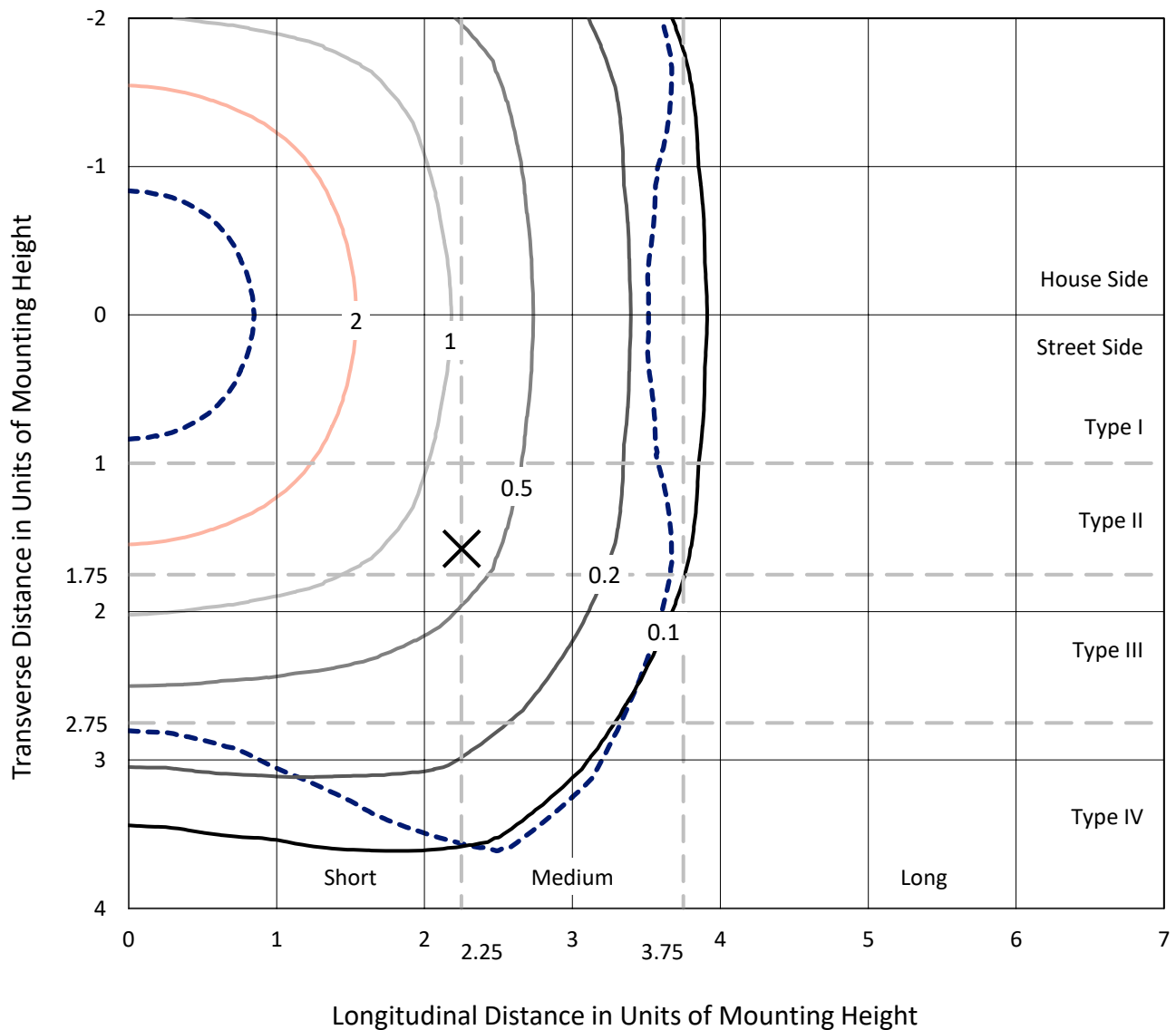


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Iso-Footcandle Lines of Horizontal Illumination

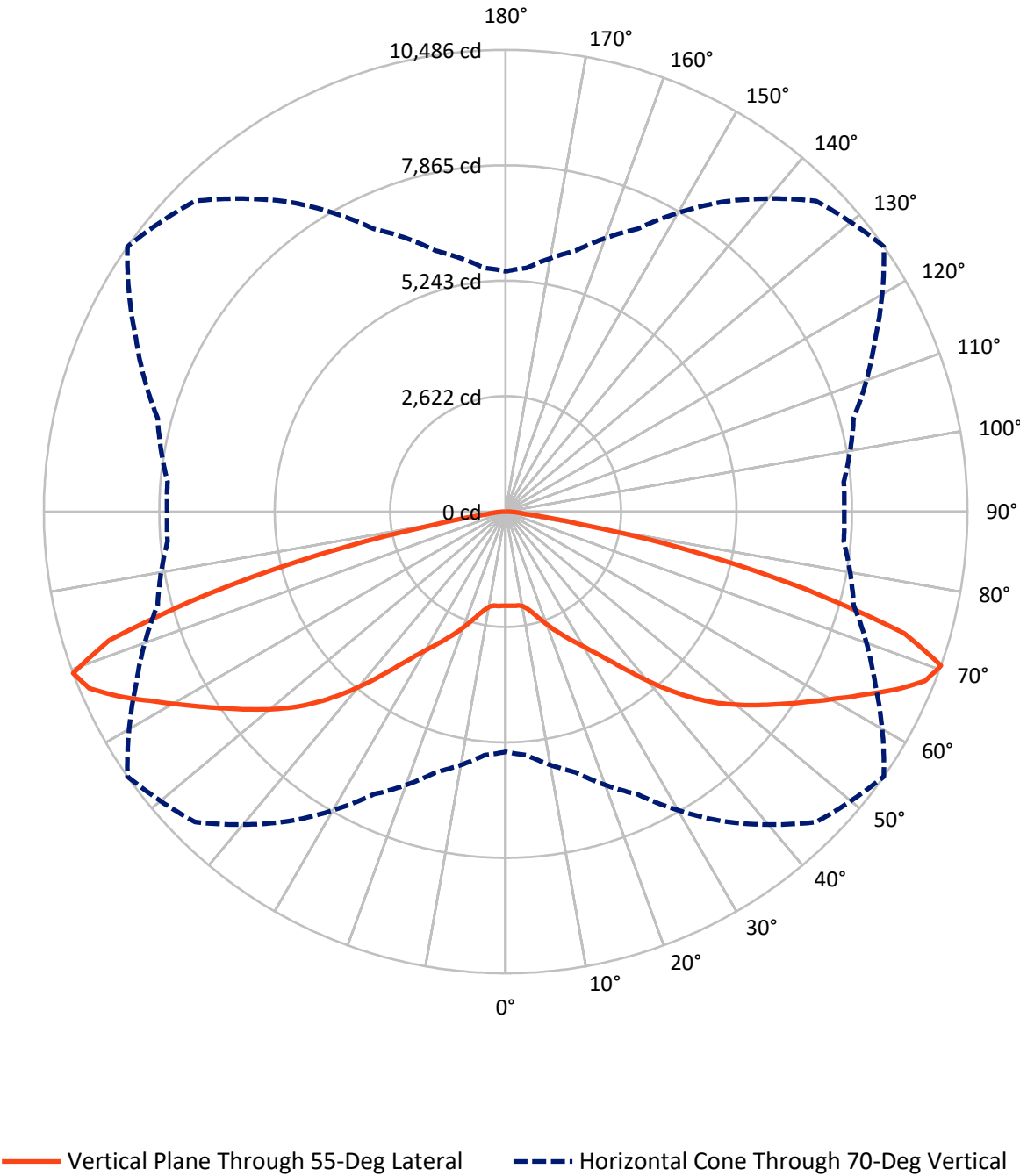
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



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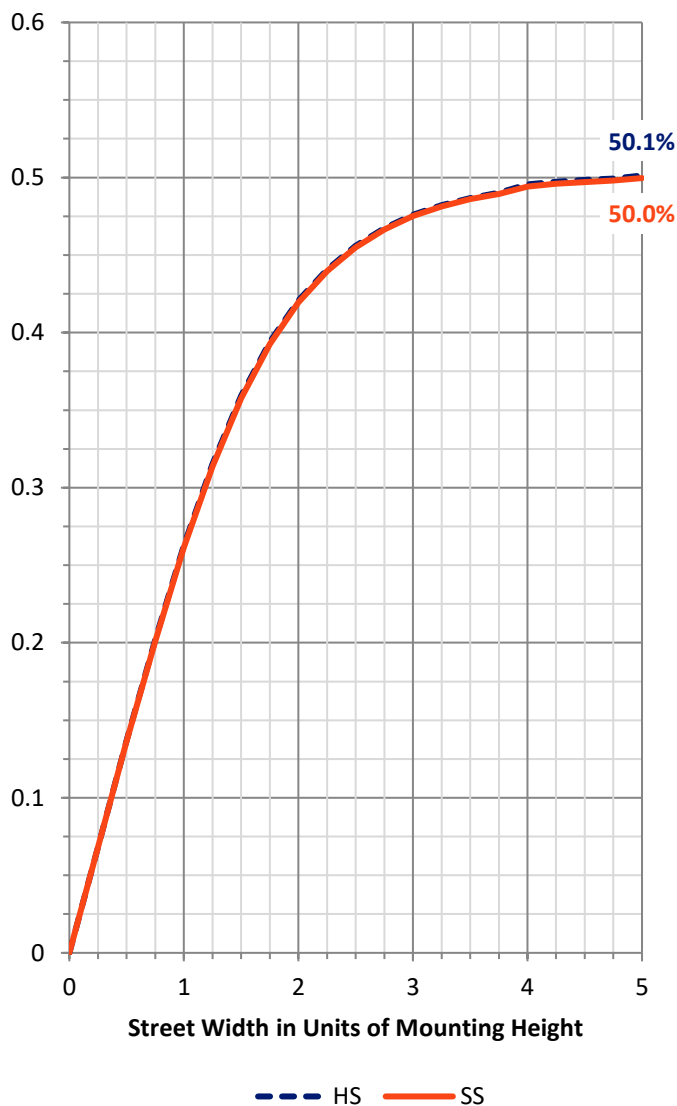
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15354.0	0.0	15354.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15354.0	0.0	15354.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30708.0	0.0	30708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	0.7
10°-20°	703.3	2.3
20°-30°	1461.4	4.8
30°-40°	2699.2	8.8
40°-50°	4741.9	15.4
50°-60°	6838.9	22.3
60°-70°	8370.1	27.3
70°-80°	5326.1	17.3
80°-90°	360.4	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°	30708.0	100.0
0°-180°	30708.0	100.0

Coefficient of Utilization



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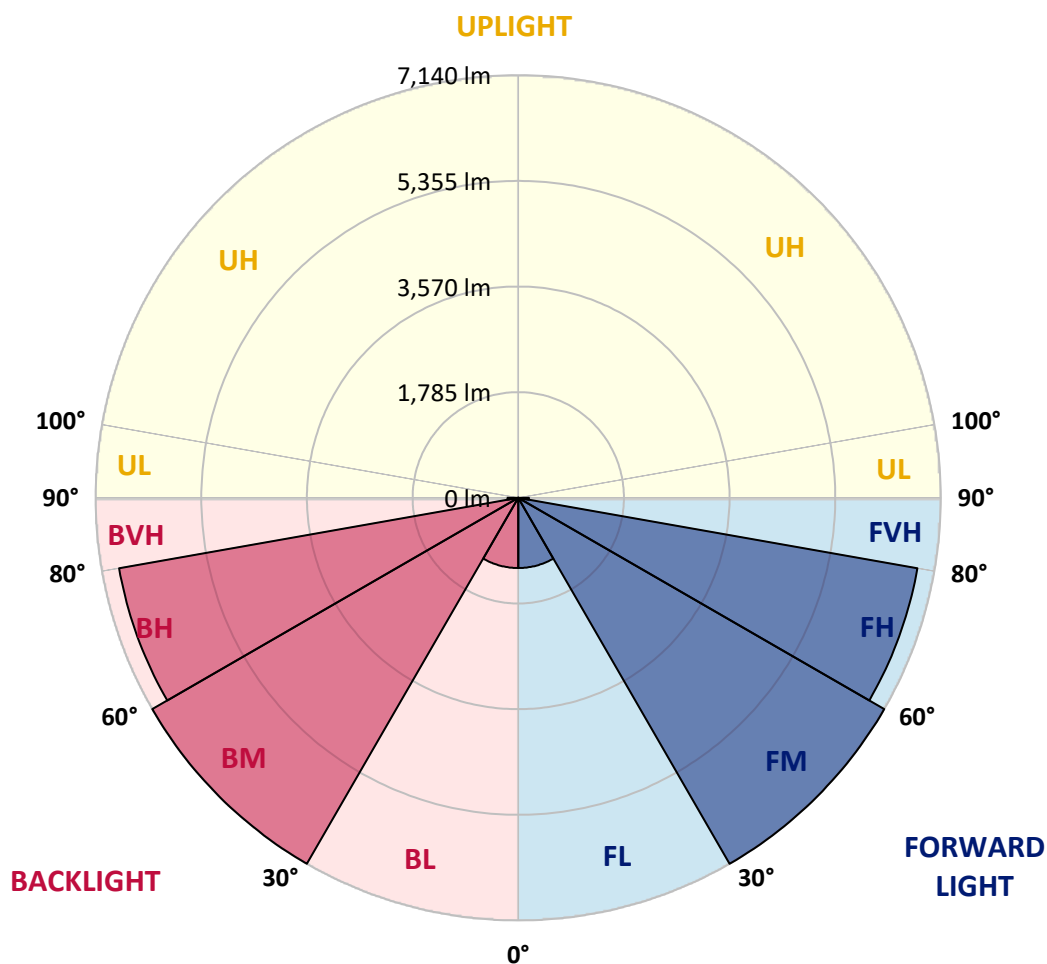
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1185.7	3.9			
FM	(30°-60°)	7140.0	23.3			
FH	(60°-80°)	6848.1	22.3			G3/7500
FVH	(80°-90°)	180.2	0.6			G2/225
BL	(0°-30°)	1185.7	3.9	B3/2500		
BM	(30°-60°)	7140.0	23.3	B4/8500		
BH	(60°-80°)	6848.1	22.3	B5		G3/7500
BVH	(80°-90°)	180.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2140.6	2140.6	2140.6	2140.6	2140.6	2140.6	2140.6	2140.6	2140.6	2140.6	2140.6
2.5°	2169.2	2169.2	2163.5	2163.5	2152.1	2146.3	2140.6	2140.6	2134.9	2134.9	2129.2
5°	2180.6	2180.6	2180.6	2174.9	2169.2	2163.5	2152.1	2140.6	2134.9	2129.2	2123.5
7.5°	2186.3	2186.3	2180.6	2180.6	2174.9	2169.2	2152.1	2134.9	2129.2	2123.5	2123.5
10°	2232.0	2226.3	2220.6	2209.1	2209.1	2209.1	2186.3	2169.2	2163.5	2163.5	2163.5
12.5°	2340.4	2334.7	2323.3	2306.2	2306.2	2311.9	2277.6	2254.8	2254.8	2249.1	2249.1
15°	2500.3	2494.6	2483.1	2454.6	2448.9	2460.3	2408.9	2386.1	2386.1	2386.1	2380.4
17.5°	2677.2	2665.8	2648.7	2625.8	2625.8	2625.8	2574.5	2545.9	2528.8	2528.8	2523.1
20°	2825.6	2819.9	2819.9	2814.2	2831.3	2831.3	2762.8	2717.2	2677.2	2654.4	2648.7
22.5°	2956.9	2951.2	2962.6	2985.5	3019.7	3031.1	2951.2	2882.7	2819.9	2774.3	2762.8
25°	3133.9	3128.2	3122.5	3156.7	3213.8	3230.9	3145.3	3059.7	2996.9	2974.1	2962.6
27.5°	3322.3	3328.0	3333.7	3367.9	3413.6	3442.1	3356.5	3276.6	3225.2	3191.0	3179.6
30°	3533.5	3544.9	3562.0	3613.4	3647.6	3659.1	3584.9	3527.8	3482.1	3453.6	3436.4
32.5°	3801.8	3824.6	3847.4	3893.1	3910.2	3898.8	3864.6	3824.6	3790.4	3750.4	3744.7
35°	4201.4	4224.2	4218.5	4235.6	4241.3	4229.9	4212.8	4189.9	4172.8	4121.4	4115.7
37.5°	4703.7	4726.5	4692.3	4675.2	4635.2	4640.9	4635.2	4652.3	4658.0	4606.7	4600.9
40°	5211.7	5234.6	5188.9	5143.2	5103.3	5086.2	5114.7	5171.8	5171.8	5137.5	5137.5
42.5°	5754.0	5771.2	5696.9	5639.9	5588.5	5577.1	5594.2	5662.7	5679.8	5674.1	5674.1
45°	6296.3	6284.9	6187.9	6130.8	6085.1	6056.6	6062.3	6113.7	6147.9	6165.0	6165.0
47.5°	6713.0	6695.9	6616.0	6570.3	6541.8	6501.8	6501.8	6530.4	6547.5	6553.2	6553.2
50°	7044.1	7027.0	6947.1	6941.4	6941.4	6924.2	6907.1	6901.4	6890.0	6895.7	6895.7
52.5°	7329.5	7306.7	7249.6	7261.0	7312.4	7323.8	7301.0	7255.3	7209.7	7192.5	7198.2
55°	7637.8	7603.5	7557.9	7592.1	7694.9	7740.5	7706.3	7615.0	7535.0	7483.7	7483.7
57.5°	7883.3	7843.3	7843.3	7940.3	8128.7	8220.0	8145.8	7974.6	7837.6	7780.5	7786.2
60°	7712.0	7677.8	7814.8	8242.9	8596.8	8750.9	8625.3	8322.8	8100.2	8031.7	8043.1
62.5°	7375.2	7352.4	7523.6	8185.8	9019.2	9338.9	9150.5	8716.7	8385.6	8305.7	8305.7
65°	6878.6	6872.9	7112.6	7928.9	9116.3	9904.0	9744.2	9144.8	8716.7	8608.2	8631.0
67.5°	6364.8	6364.8	6581.7	7489.4	9002.1	10143.8	10269.4	9533.0	8876.5	8608.2	8613.9
70°	5457.2	5554.2	6130.8	7084.1	8585.4	9972.5	10486.3	9259.0	8180.1	7706.3	7689.2
72.5°	3596.3	3721.9	4869.2	6376.2	8174.4	9350.3	9464.5	8134.4	6793.0	6239.2	6210.7
75°	2169.2	2277.6	3156.7	4977.7	7186.8	7529.3	7027.0	6376.2	5074.7	4640.9	4640.9
77.5°	639.3	713.5	1455.6	3156.7	4972.0	4949.2	4332.6	3756.1	3002.6	2551.6	2585.9
80°	376.8	388.2	473.8	1438.5	2060.7	2169.2	1672.6	1044.6	1044.6	776.3	753.5
82.5°	291.1	291.1	302.5	359.6	496.6	553.7	422.4	359.6	411.0	348.2	331.1
85°	205.5	205.5	205.5	211.2	216.9	222.6	234.0	239.8	262.6	216.9	205.5
87.5°	62.8	68.5	74.2	85.6	102.8	108.5	114.2	102.8	102.8	97.0	91.3
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)