

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: P842026

Luminaire Tested: **ARCH4-260-730-U-5WQ**

Issue Date: 5/27/2024

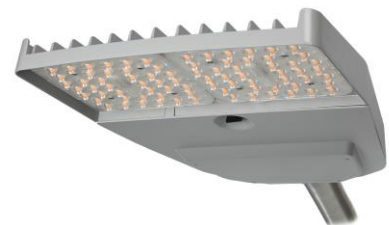
Test Information

Test Method: LM-79-08
Report Number: P842026
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: ARCH4-260-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37139 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G4

Input Watts (W): 259.2
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

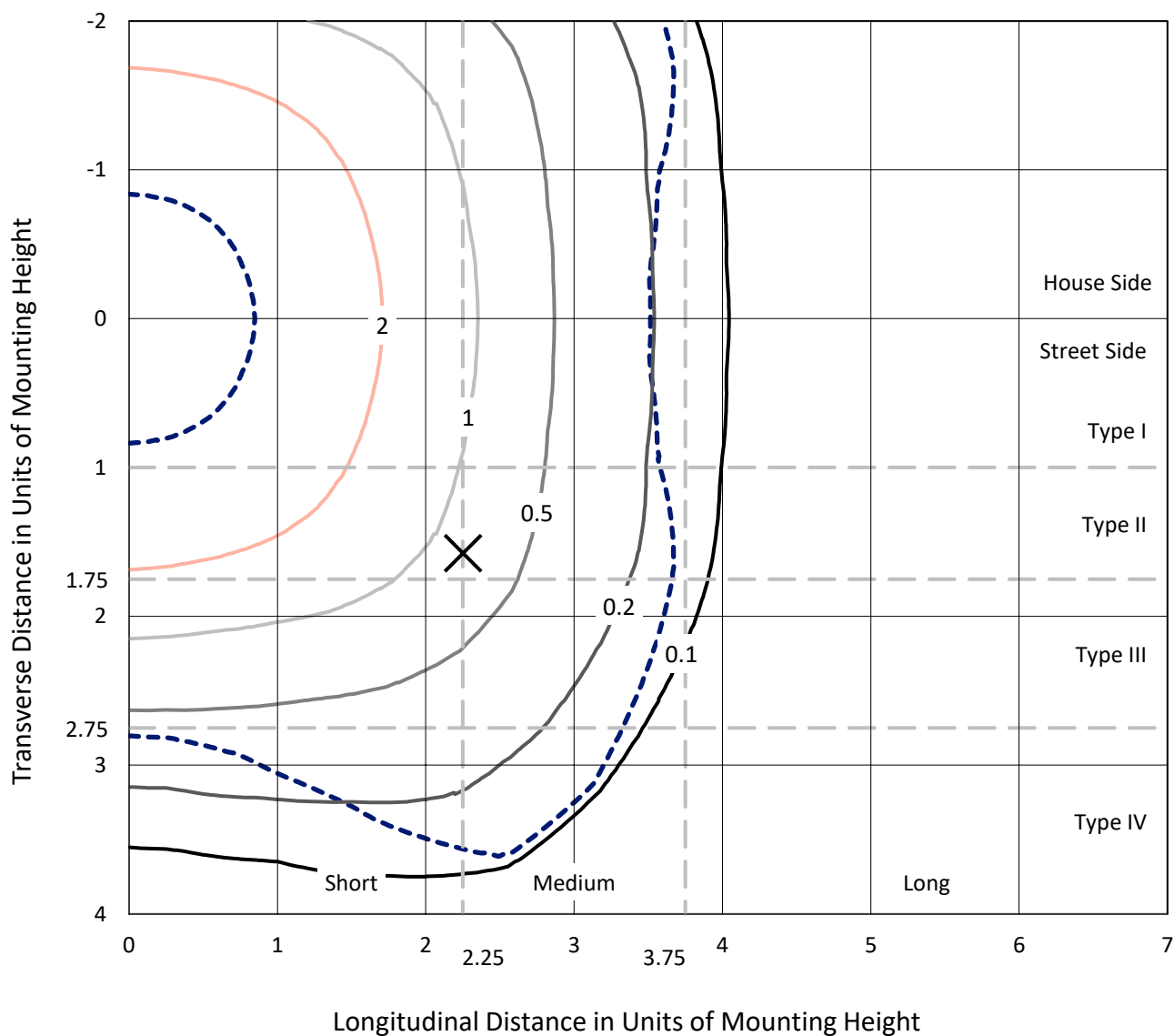


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Iso-Footcandle Lines of Horizontal Illumination

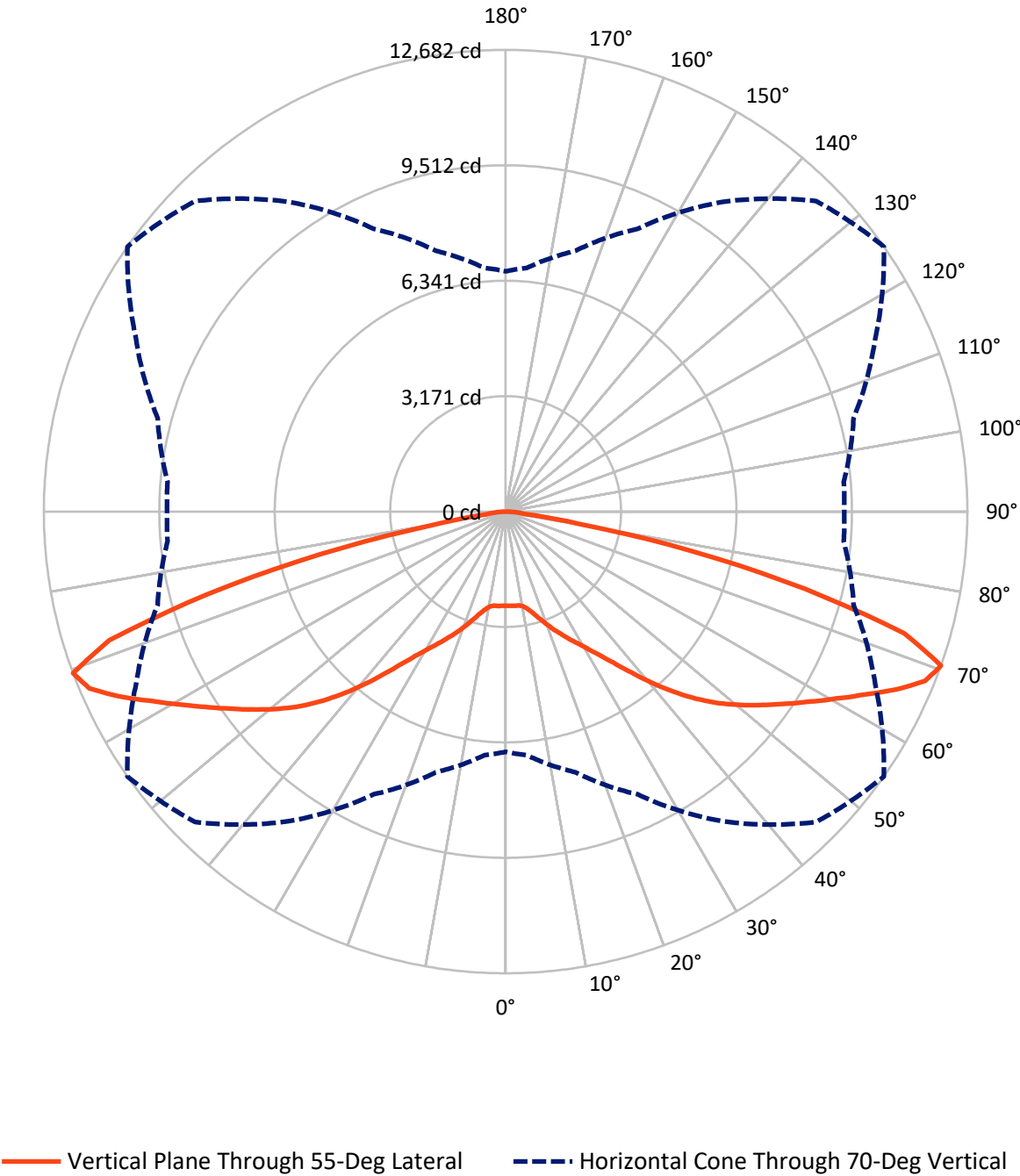
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



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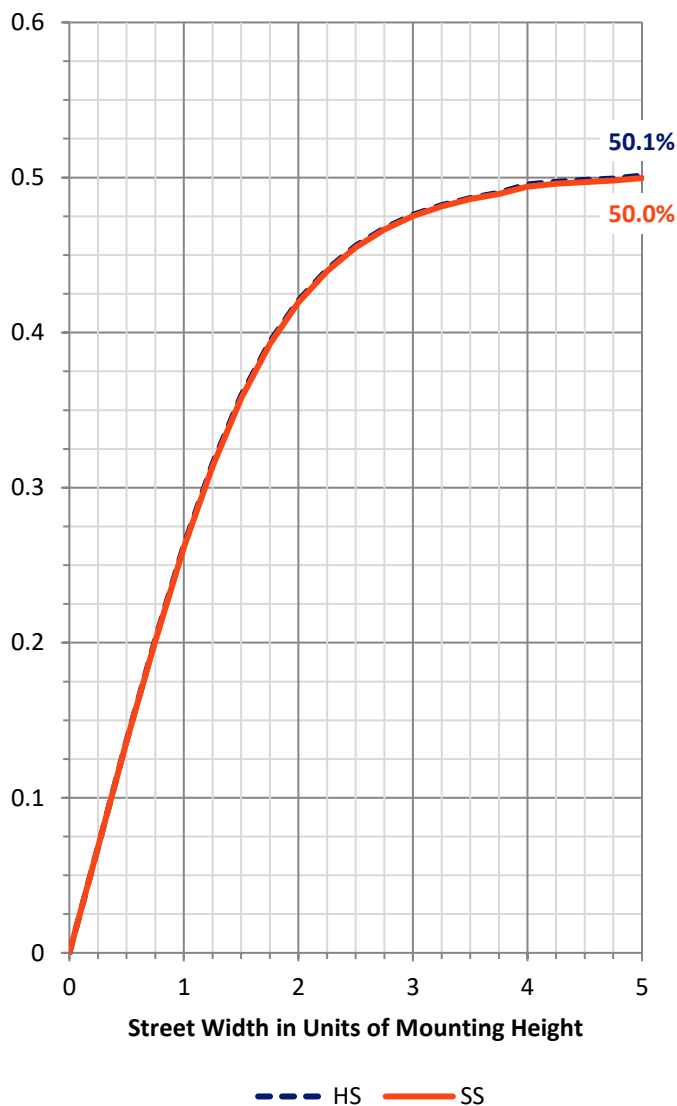
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18569.5	0.0	18569.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18569.5	0.0	18569.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37139.0	0.0	37139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.9	0.7
10°-20°	850.6	2.3
20°-30°	1767.5	4.8
30°-40°	3264.5	8.8
40°-50°	5735.0	15.4
50°-60°	8271.2	22.3
60°-70°	10123.0	27.3
70°-80°	6441.5	17.3
80°-90°	435.9	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°	37139.0	100.0
0°-180°	37139.0	100.0

Coefficient of Utilization



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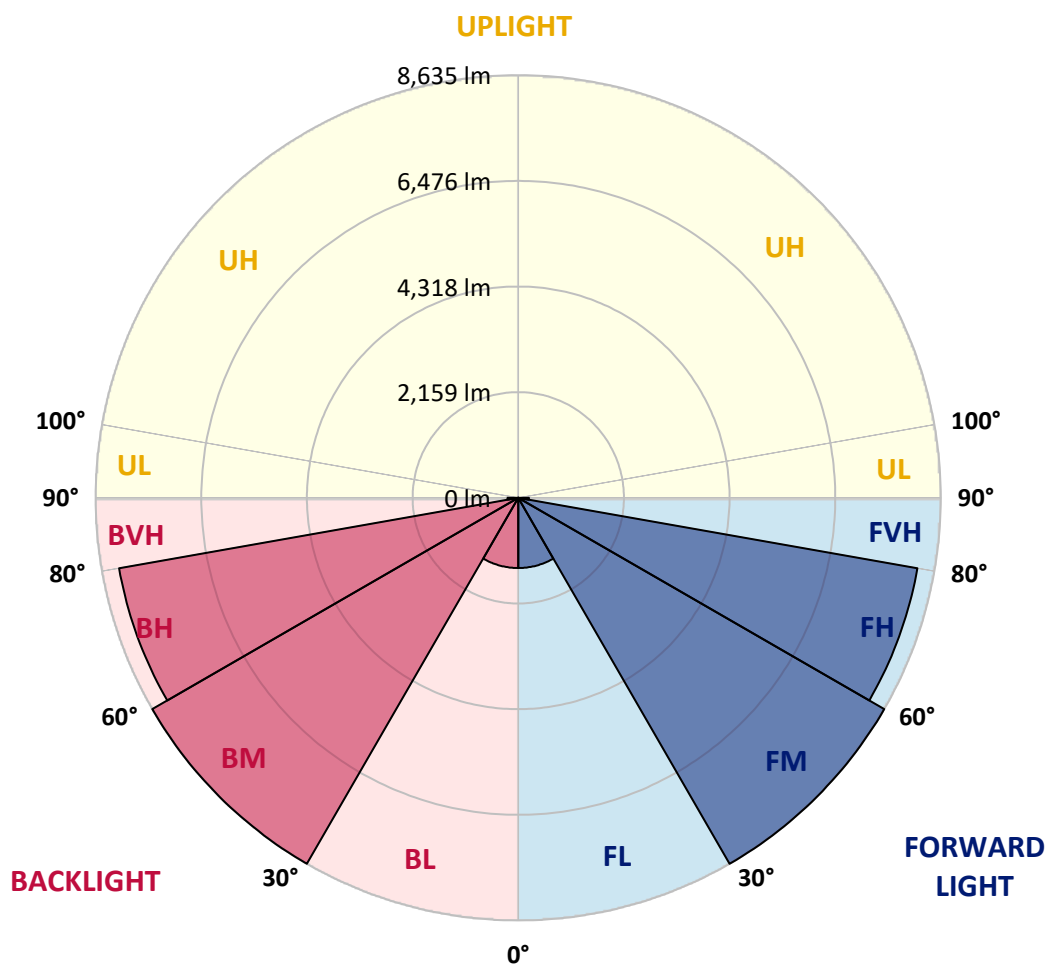
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1434.0	3.9			
FM	(30°-60°)	8635.3	23.3			
FH	(60°-80°)	8282.2	22.3			G4/12000
FVH	(80°-90°)	217.9	0.6			G2/225
BL	(0°-30°)	1434.0	3.9	B3/2500		
BM	(30°-60°)	8635.3	23.3	B5		
BH	(60°-80°)	8282.2	22.3	B5		G4/12000
BVH	(80°-90°)	217.9	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-G4

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2588.9	2588.9	2588.9	2588.9	2588.9	2588.9	2588.9	2588.9	2588.9	2588.9	2588.9
2.5°	2623.5	2623.5	2616.6	2616.6	2602.7	2595.8	2588.9	2588.9	2582.0	2582.0	2575.1
5°	2637.3	2637.3	2637.3	2630.4	2623.5	2616.6	2602.7	2588.9	2582.0	2575.1	2568.2
7.5°	2644.2	2644.2	2637.3	2637.3	2630.4	2623.5	2602.7	2582.0	2575.1	2568.2	2568.2
10°	2699.4	2692.5	2685.6	2671.8	2671.8	2671.8	2644.2	2623.5	2616.6	2616.6	2616.6
12.5°	2830.6	2823.7	2809.9	2789.1	2789.1	2796.1	2754.6	2727.0	2727.0	2720.1	2720.1
15°	3023.9	3017.0	3003.2	2968.6	2961.7	2975.6	2913.4	2885.8	2885.8	2885.8	2878.9
17.5°	3237.9	3224.1	3203.4	3175.8	3175.8	3175.8	3113.6	3079.1	3058.4	3058.4	3051.5
20°	3417.4	3410.5	3410.5	3403.6	3424.3	3424.3	3341.5	3286.2	3237.9	3210.3	3203.4
22.5°	3576.2	3569.3	3583.1	3610.7	3652.1	3665.9	3569.3	3486.4	3410.5	3355.3	3341.5
25°	3790.2	3783.3	3776.4	3817.8	3886.9	3907.6	3804.0	3700.5	3624.5	3596.9	3583.1
27.5°	4018.0	4024.9	4031.8	4073.3	4128.5	4163.0	4059.5	3962.8	3900.7	3859.2	3845.4
30°	4273.5	4287.3	4308.0	4370.1	4411.6	4425.4	4335.6	4266.6	4211.3	4176.8	4156.1
32.5°	4598.0	4625.6	4653.2	4708.4	4729.1	4715.3	4673.9	4625.6	4584.1	4535.8	4528.9
35°	5081.2	5108.8	5101.9	5122.6	5129.6	5115.7	5095.0	5067.4	5046.7	4984.6	4977.7
37.5°	5688.8	5716.4	5675.0	5654.2	5605.9	5612.8	5605.9	5626.6	5633.5	5571.4	5564.5
40°	6303.2	6330.8	6275.6	6220.4	6172.0	6151.3	6185.8	6254.9	6254.9	6213.5	6213.5
42.5°	6959.1	6979.8	6890.0	6821.0	6758.9	6745.0	6765.8	6848.6	6869.3	6862.4	6862.4
45°	7614.9	7601.1	7483.8	7414.7	7359.5	7325.0	7331.9	7394.0	7435.4	7456.1	7456.1
47.5°	8118.9	8098.2	8001.5	7946.3	7911.8	7863.5	7863.5	7898.0	7918.7	7925.6	7925.6
50°	8519.3	8498.6	8402.0	8395.1	8395.1	8374.4	8353.6	8346.7	8332.9	8339.8	8339.8
52.5°	8864.5	8836.9	8767.9	8781.7	8843.8	8857.6	8830.0	8774.8	8719.5	8698.8	8705.7
55°	9237.3	9195.9	9140.7	9182.1	9306.4	9361.6	9320.2	9209.7	9113.1	9050.9	9050.9
57.5°	9534.2	9485.9	9485.9	9603.2	9831.1	9941.5	9851.8	9644.7	9479.0	9409.9	9416.8
60°	9327.1	9285.7	9451.4	9969.1	10397.2	10583.6	10431.7	10065.8	9796.5	9713.7	9727.5
62.5°	8919.8	8892.1	9099.3	9900.1	10908.1	11294.7	11066.8	10542.2	10141.7	10045.1	10045.1
65°	8319.1	8312.2	8602.2	9589.4	11025.4	11978.2	11784.8	11059.9	10542.2	10411.0	10438.6
67.5°	7697.8	7697.8	7960.1	9057.8	10887.4	12268.1	12420.0	11529.4	10735.5	10411.0	10417.9
70°	6600.1	6717.4	7414.7	8567.7	10383.4	12061.0	12682.3	11198.0	9893.2	9320.2	9299.5
72.5°	4349.4	4501.3	5889.0	7711.6	9886.3	11308.5	11446.6	9838.0	8215.6	7545.9	7511.4
75°	2623.5	2754.6	3817.8	6020.1	8691.9	9106.2	8498.6	7711.6	6137.5	5612.8	5612.8
77.5°	773.2	863.0	1760.5	3817.8	6013.2	5985.6	5240.0	4542.7	3631.4	3086.0	3127.4
80°	455.7	469.5	573.0	1739.8	2492.3	2623.5	2022.8	1263.4	1263.4	938.9	911.3
82.5°	352.1	352.1	365.9	434.9	600.6	669.7	510.9	434.9	497.1	421.1	400.4
85°	248.5	248.5	248.5	255.4	262.3	269.2	283.1	290.0	317.6	262.3	248.5
87.5°	75.9	82.8	89.7	103.6	124.3	131.2	138.1	124.3	124.3	117.4	110.5
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)