

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: P317209

Luminaire Tested: **GAN-SA5C-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317209
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-SA5C-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36136 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 279
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

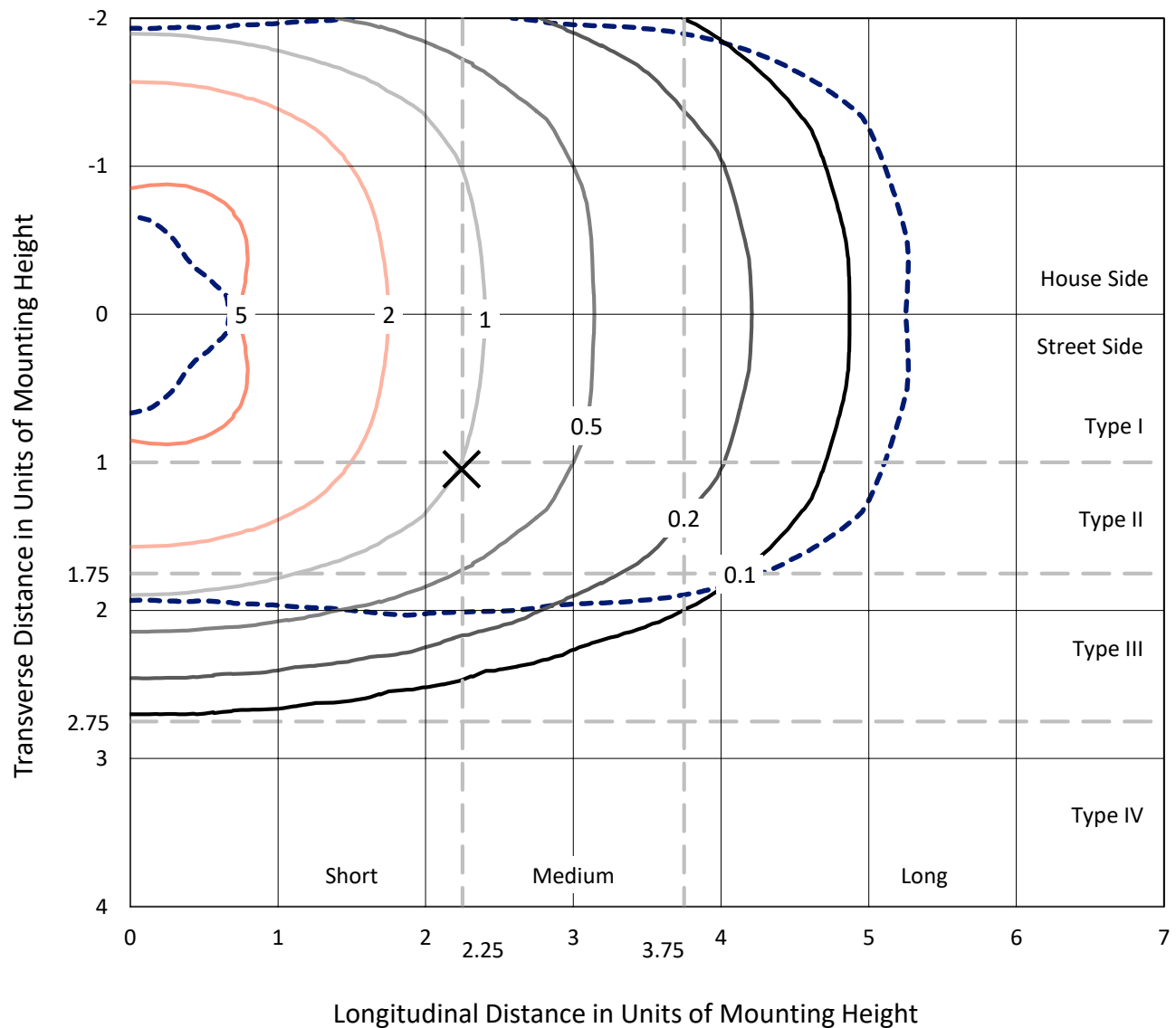


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Iso-Footcandle Lines of Horizontal Illumination

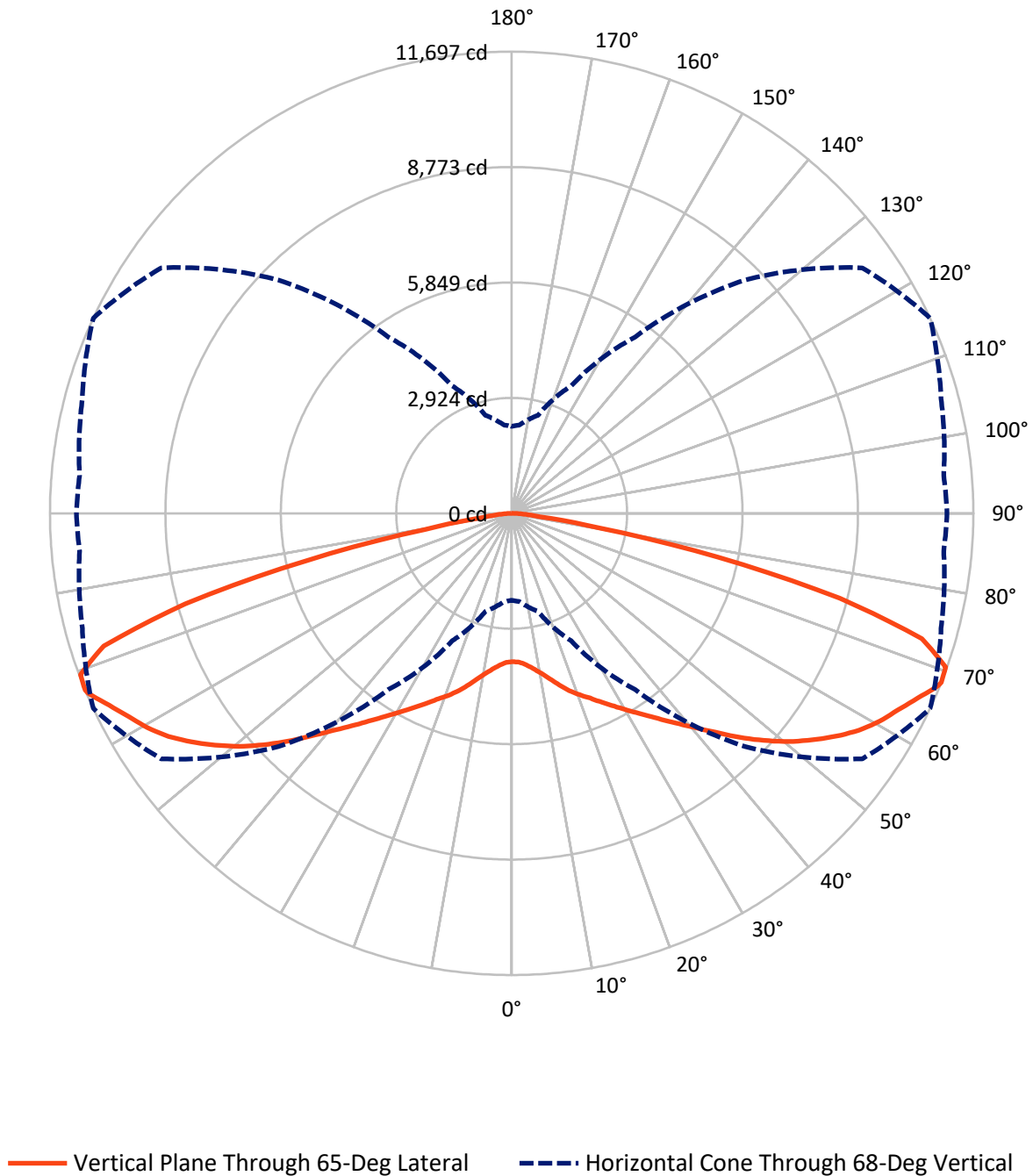
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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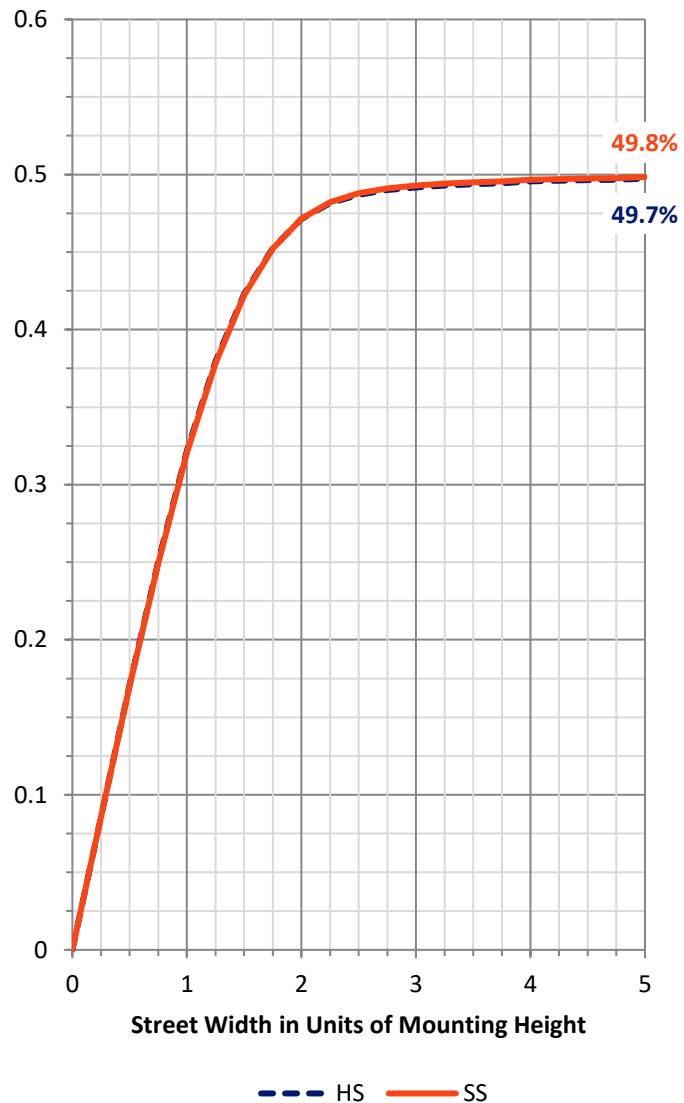
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18068.0	0.0	18068.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18068.0	0.0	18068.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36136.0	0.0	36136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.9	1.0
10°-20°	1231.8	3.4
20°-30°	2401.6	6.6
30°-40°	4034.6	11.2
40°-50°	6357.0	17.6
50°-60°	8501.5	23.5
60°-70°	8264.5	22.9
70°-80°	4517.8	12.5
80°-90°	459.5	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°	36136.0	100.0
0°-180°	36136.0	100.0

Coefficient of Utilization



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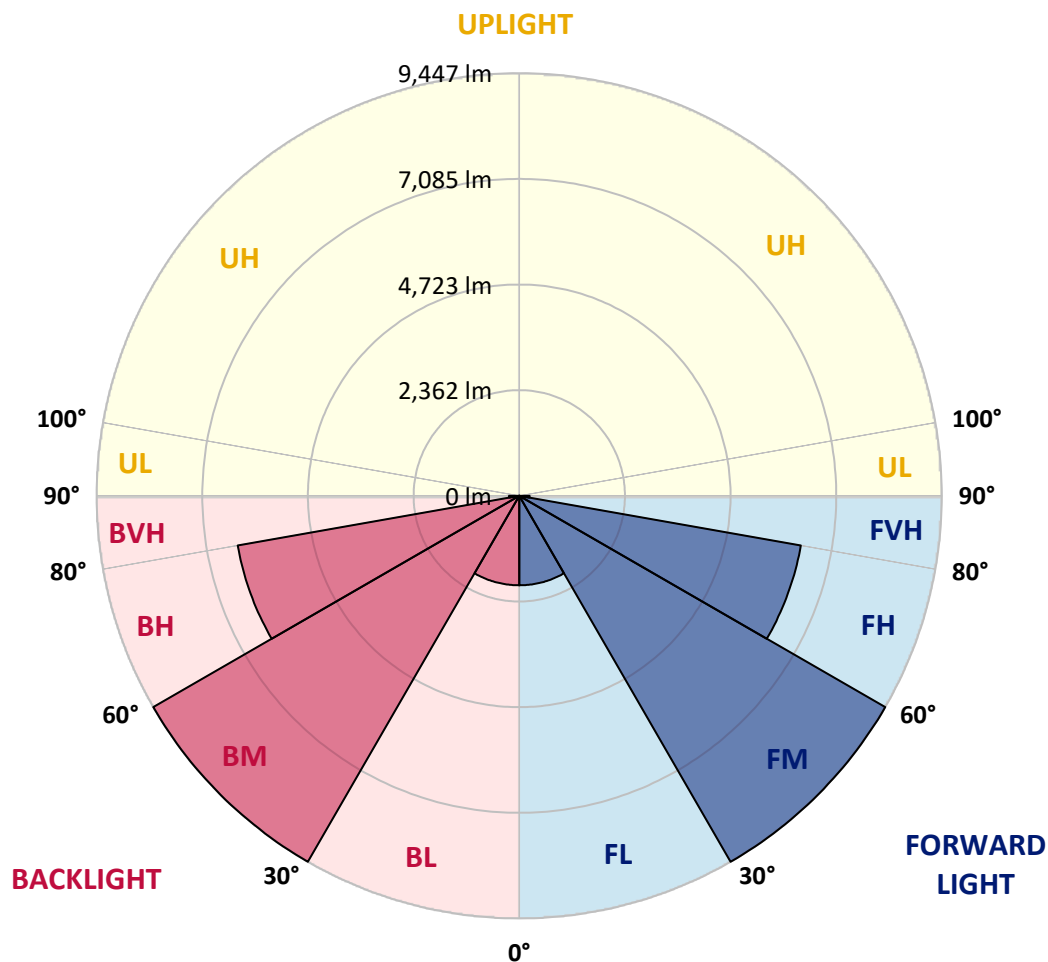
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2000.6	5.5			
FM	(30°-60°)	9446.5	26.1			
FH	(60°-80°)	6391.1	17.7			G3/7500
FVH	(80°-90°)	229.7	0.6			G3/500
BL	(0°-30°)	2000.6	5.5	B3/2500		
BM	(30°-60°)	9446.5	26.1	B5		
BH	(60°-80°)	6391.1	17.7	B5		G5
BVH	(80°-90°)	229.7	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3757.3	3757.3	3757.3	3757.3	3757.3	3757.3	3757.3	3757.3	3757.3	3757.3	3757.3
2.5°	3730.6	3731.8	3737.9	3745.2	3751.2	3767.0	3770.6	3776.7	3779.1	3785.2	3785.2
5°	3697.9	3700.3	3714.9	3734.3	3756.1	3794.9	3822.7	3854.2	3870.0	3886.9	3885.7
7.5°	3694.3	3700.3	3720.9	3752.4	3788.8	3853.0	3911.2	3974.2	4016.6	4055.4	4052.9
10°	3731.8	3741.5	3770.6	3817.9	3872.4	3952.4	4038.4	4123.2	4197.1	4256.5	4258.9
12.5°	3788.8	3800.9	3847.0	3918.4	4000.8	4103.8	4205.6	4301.3	4403.1	4491.5	4498.8
15°	3863.9	3879.7	3948.7	4055.4	4181.4	4303.7	4412.8	4510.9	4628.5	4750.8	4763.0
17.5°	3975.4	3997.2	4088.1	4232.3	4398.3	4532.7	4646.6	4720.5	4818.7	4944.7	4967.7
20°	4145.0	4172.9	4288.0	4460.0	4662.4	4802.9	4890.2	4905.9	4954.4	5067.1	5093.7
22.5°	4365.5	4389.8	4518.2	4723.0	4949.5	5102.2	5148.3	5085.3	5080.4	5171.3	5196.7
25°	4611.5	4633.3	4782.3	5012.6	5256.1	5424.5	5423.3	5300.9	5216.1	5286.4	5313.0
27.5°	4887.8	4921.7	5064.7	5307.0	5567.5	5733.5	5723.8	5534.8	5373.6	5391.8	5414.8
30°	5205.2	5242.8	5382.1	5628.1	5888.6	6050.9	6038.8	5789.2	5546.9	5498.4	5515.4
32.5°	5599.0	5643.8	5775.9	6018.2	6248.4	6395.0	6359.9	6065.5	5755.3	5649.9	5665.6
35°	6072.7	6099.4	6238.7	6477.4	6664.0	6764.6	6690.7	6385.3	6019.4	5892.2	5892.2
37.5°	6552.5	6573.1	6729.4	6960.9	7141.4	7194.7	7050.5	6735.5	6364.7	6184.2	6187.8
40°	7013.0	7068.7	7244.4	7481.9	7660.0	7674.5	7483.1	7135.3	6748.8	6562.2	6584.0
42.5°	7494.0	7548.5	7758.1	8027.1	8184.6	8208.9	7984.7	7583.7	7182.6	7031.1	7055.4
45°	7922.9	7966.5	8208.9	8521.5	8717.7	8780.8	8515.4	8097.4	7651.5	7503.7	7509.7
47.5°	8222.2	8279.1	8545.7	8914.0	9200.0	9296.9	9036.4	8597.8	8113.1	7933.8	7949.6
50°	8493.6	8523.9	8794.1	9196.3	9559.8	9759.8	9536.8	9092.1	8579.6	8389.4	8406.4
52.5°	8645.0	8683.8	8945.5	9364.8	9794.9	10117.2	9981.5	9536.8	9030.3	8845.0	8865.6
55°	8539.6	8568.7	8882.5	9402.3	9940.3	10337.7	10358.3	9971.8	9472.6	9310.2	9368.4
57.5°	8059.8	8096.2	8479.1	9160.0	9958.5	10486.7	10641.8	10375.3	9885.8	9753.7	9787.6
60°	7309.8	7332.8	7741.2	8506.9	9604.7	10548.5	10822.4	10704.8	10290.5	10158.4	10204.4
62.5°	5973.4	6007.3	6495.6	7521.9	8857.1	10365.6	10996.8	10977.5	10667.3	10546.1	10587.3
65°	4083.2	4142.6	4683.0	5980.7	7704.8	9805.8	11155.6	11294.9	11000.5	10847.8	10902.3
67.5°	2465.7	2509.3	2900.7	3948.7	5895.8	8676.5	10992.0	11656.0	11235.5	10989.6	11034.4
68°	2204.0	2244.0	2571.1	3563.4	5453.6	8357.9	10843.0	11697.2	11261.0	10987.1	11027.1
70°	1331.6	1358.2	1577.6	2202.8	3636.1	6630.1	9826.4	11663.2	11423.3	11021.1	11044.1
72.5°	867.5	876.0	912.4	1130.5	1857.4	3707.6	7375.2	10868.4	11666.9	11218.6	11214.9
75°	720.9	716.1	719.7	745.2	916.0	1626.0	4309.8	8585.7	11121.6	10907.2	10830.8
77.5°	609.5	605.8	604.6	605.8	613.1	785.1	1870.8	5348.2	8510.6	9648.3	9716.1
80°	493.1	488.3	504.0	496.8	475.0	488.3	783.9	2224.6	4011.7	4315.9	4044.5
82.5°	358.6	340.5	408.3	388.9	370.8	344.1	432.6	718.5	957.2	656.7	461.6
85°	276.3	256.9	310.2	298.1	254.4	175.7	256.9	351.4	387.7	221.7	174.5
87.5°	112.7	118.7	224.2	176.9	149.0	84.8	105.4	140.6	189.0	94.5	72.7
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)