

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: P322580

Luminaire Tested: **GAN-SA6D-740-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322580  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-740-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32956 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

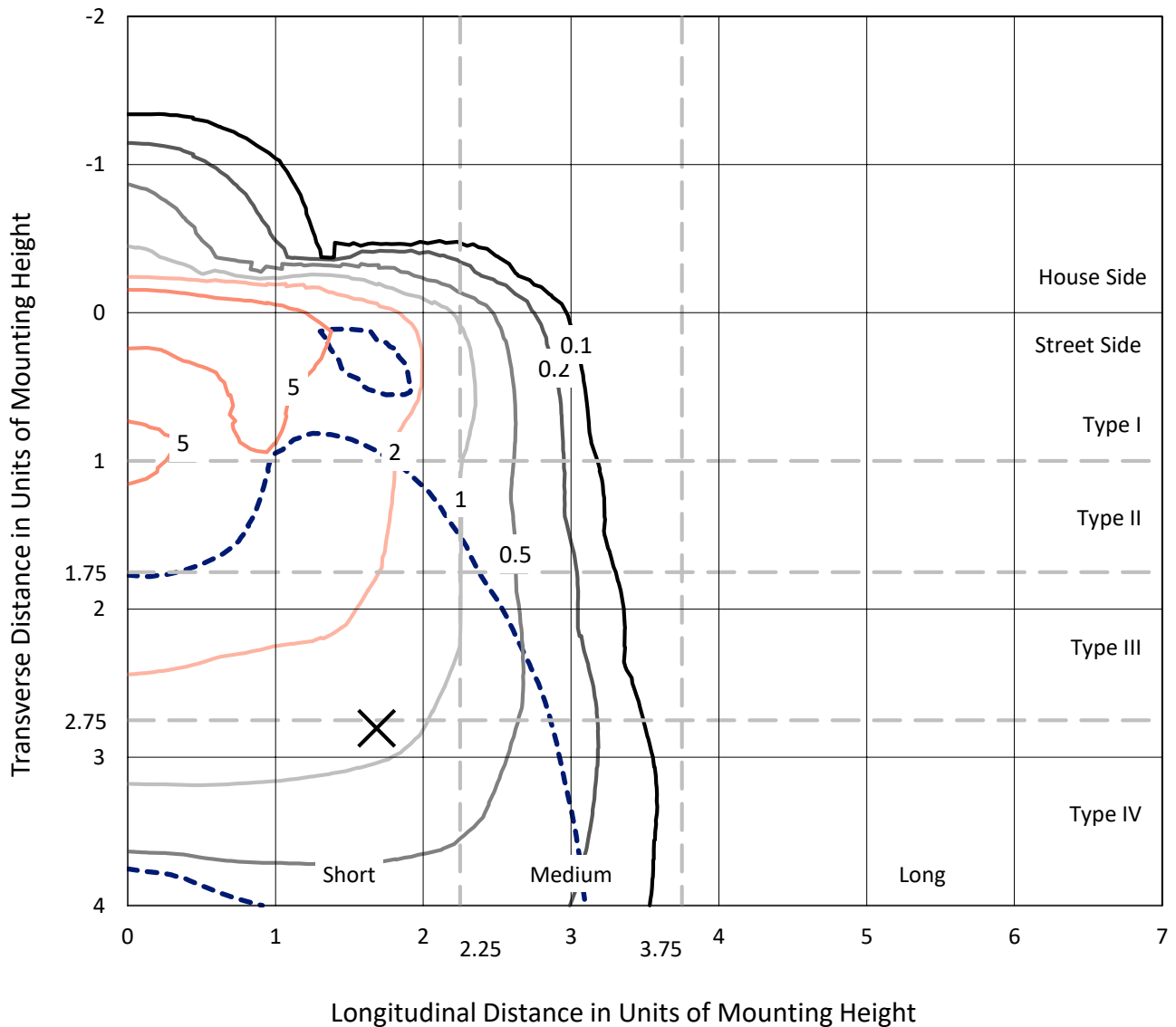
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

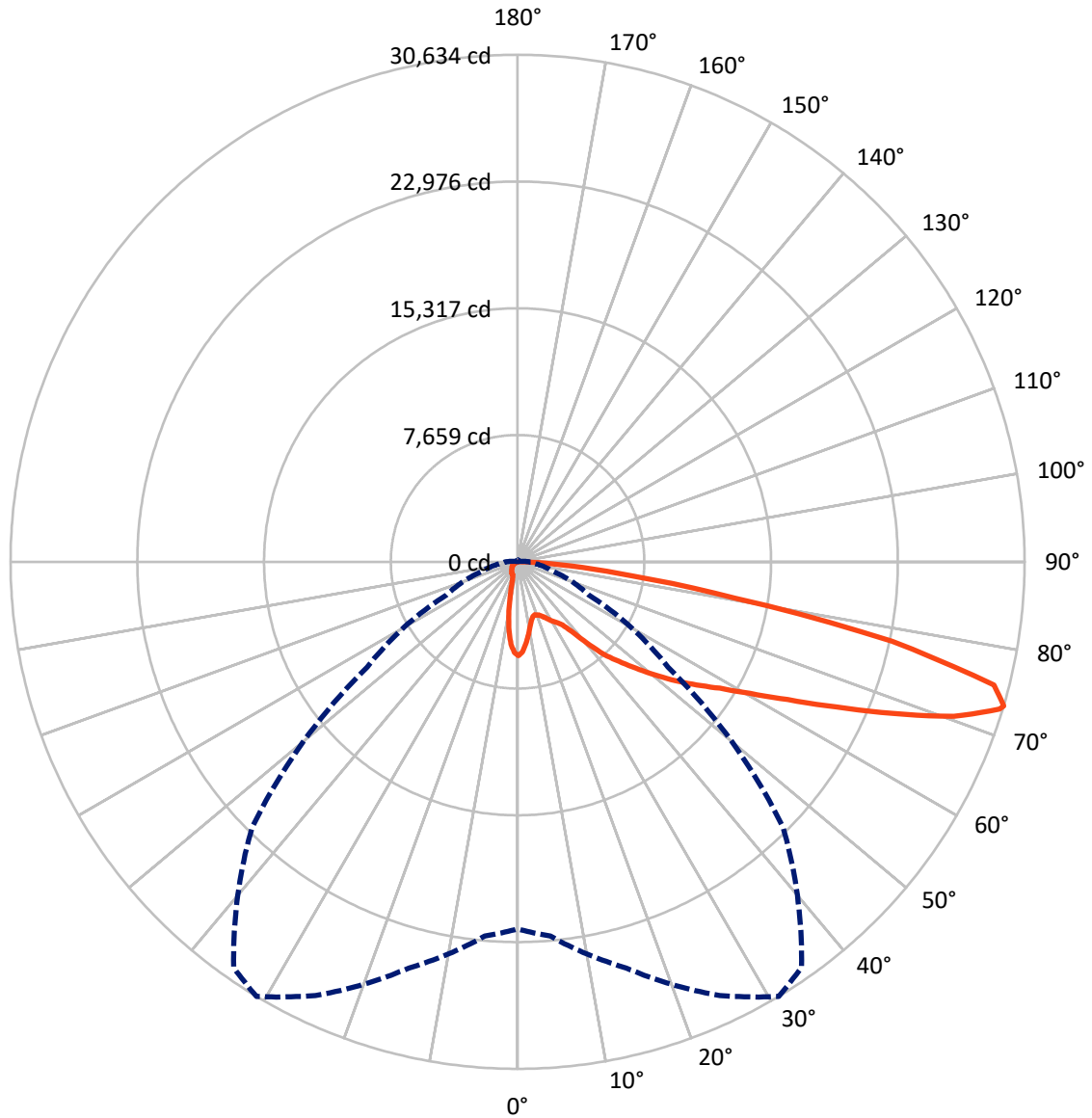
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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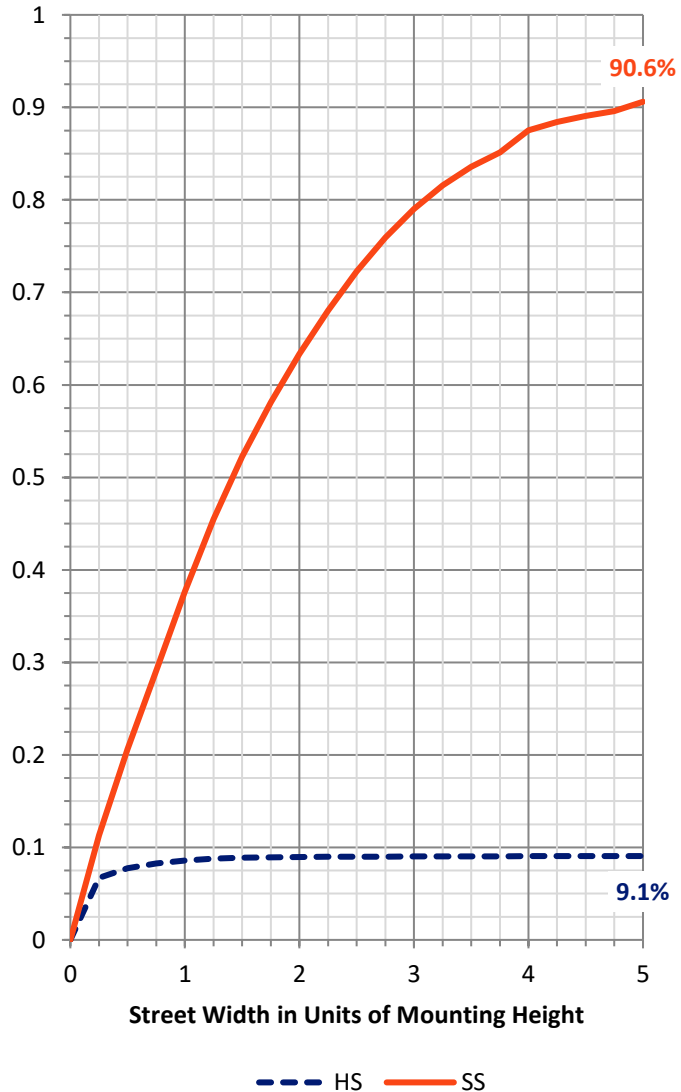
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3004.1	0.0	3004.1
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	29951.9	0.0	29951.9
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	32956.0	0.0	32956.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	470.1	1.4
10°-20°	1020.8	3.1
20°-30°	1529.4	4.6
30°-40°	2433.4	7.4
40°-50°	4345.3	13.2
50°-60°	6742.7	20.5
60°-70°	8963.5	27.2
70°-80°	6742.3	20.5
80°-90°	708.5	2.1
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°	32956.0	100.0
0°-180°	32956.0	100.0

**Coefficient of Utilization**



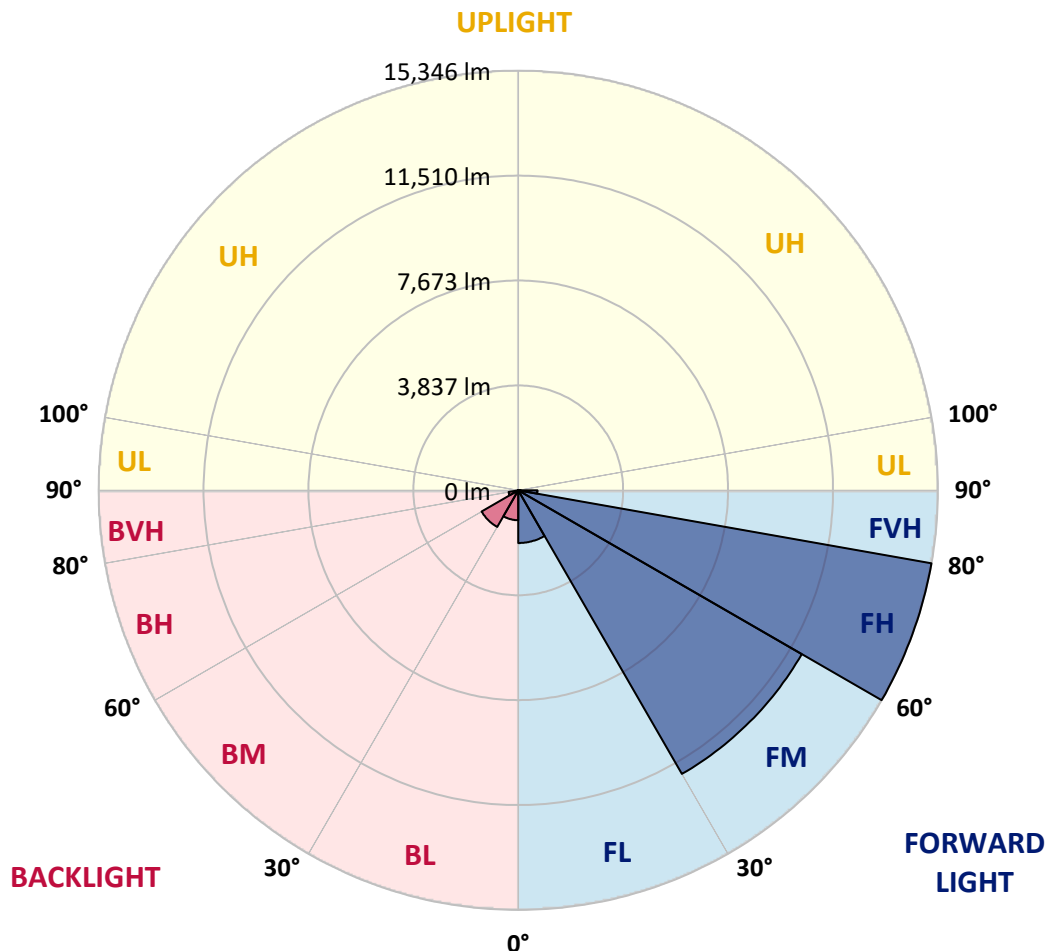
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1928.0	5.9			
FM (30°-60°)	11975.1	36.3			
FH (60°-80°)	15346.4	46.6			G5
FVH (80°-90°)	702.5	2.1			G4/750
BL (0°-30°)	1092.4	3.3	B3/2500		
BM (30°-60°)	1546.3	4.7	B2/2500		
BH (60°-80°)	359.4	1.1	B1/500		G1/500
BVH (80°-90°)	6.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1
2.5°	5373.4	5396.0	5420.2	5425.0	5465.3	5467.0	5525.0	5568.5	5612.1	5654.0	5668.5
5°	4821.9	4859.0	4902.5	4946.1	5031.5	5065.4	5207.3	5352.5	5491.1	5623.4	5687.9
7.5°	4233.3	4275.2	4336.5	4444.5	4539.7	4605.8	4829.9	5088.0	5346.0	5589.5	5729.8
10°	3696.2	3734.9	3799.5	3913.9	4060.7	4151.0	4452.6	4810.6	5189.6	5558.9	5792.7
12.5°	3354.4	3375.3	3410.8	3533.4	3665.6	3767.2	4122.0	4565.5	5060.6	5557.3	5894.3
15°	3291.5	3297.9	3268.9	3323.7	3426.9	3525.3	3884.9	4367.1	4962.2	5583.1	6026.5
17.5°	3391.4	3388.2	3291.5	3285.0	3367.3	3447.9	3768.8	4230.0	4892.8	5642.7	6197.5
20°	3543.0	3531.7	3364.0	3333.4	3420.5	3496.3	3760.7	4178.4	4867.0	5742.7	6405.5
22.5°	3744.6	3725.3	3462.4	3430.1	3523.7	3602.7	3860.7	4228.4	4889.6	5876.6	6647.4
25°	3994.6	3965.6	3631.7	3596.3	3691.4	3770.4	4039.7	4371.9	4957.3	6039.4	6953.8
27.5°	4276.8	4234.9	3902.7	3810.7	3918.8	4001.0	4278.4	4591.3	5063.8	6212.0	7329.6
30°	4542.9	4488.1	4188.1	4036.5	4168.8	4260.7	4536.4	4852.5	5234.7	6478.1	7844.0
32.5°	4810.6	4749.3	4442.9	4262.3	4381.6	4481.6	4802.5	5212.1	5555.6	6884.5	8527.8
35°	5426.6	5362.1	4986.4	4688.0	4686.4	4742.9	5175.1	5704.0	5979.8	7450.5	9343.8
37.5°	6463.6	6426.5	6068.5	5502.4	5350.8	5287.9	5683.0	6291.0	6589.4	8229.5	10264.6
40°	7598.9	7566.6	7165.1	6652.3	6421.7	6266.8	6412.0	7108.6	7450.5	9180.9	11204.8
42.5°	8881.0	8727.8	8011.7	7858.5	7652.1	7534.4	7403.8	8116.6	8508.4	10216.3	12137.0
45°	10045.3	9787.3	8858.4	8626.2	8579.4	8608.4	8681.0	9471.2	9698.6	11446.7	13065.9
47.5°	10738.8	10535.6	9822.8	9600.2	9587.3	9779.2	10327.5	11001.6	10883.9	12519.2	13883.5
50°	11398.4	11214.5	10622.7	10677.5	10737.2	10998.4	12196.6	12575.6	11966.0	13491.6	14633.4
52.5°	11932.1	11651.5	11341.9	11649.9	11943.4	12364.3	14125.4	13988.3	12733.6	14265.7	15275.2
55°	12240.2	12112.8	12262.7	12572.4	13123.9	13807.7	15946.1	15163.9	13294.9	14972.0	15702.6
57.5°	13369.0	13119.1	13417.4	13685.1	14404.4	15360.7	17505.5	16039.6	13699.6	15409.1	15800.9
60°	14735.0	14533.4	14709.2	15154.3	16125.1	17249.1	18963.4	16754.0	13910.9	15689.7	15546.1
62.5°	16908.8	16642.8	16533.1	17031.4	18318.3	19545.6	20069.7	17249.1	13864.1	15565.5	14672.1
65°	19821.3	19545.6	19055.3	19506.9	21143.7	22009.7	21306.6	17353.9	13541.6	14560.8	12462.7
67.5°	22804.8	22604.8	22185.5	22946.7	24423.9	24702.9	22614.5	17099.1	12503.0	11806.4	8805.2
70°	24775.4	24690.0	24962.5	26646.1	27963.7	27883.1	23814.3	15730.0	9745.4	7260.2	4355.8
72.5°	23354.7	23764.3	25776.9	28829.7	30439.1	29781.2	23198.3	12078.9	5570.2	2793.1	1259.5
73°	22177.4	22701.6	25410.8	28911.9	30634.3	29913.4	22680.6	11087.1	4747.7	2204.5	954.7
75°	15428.4	16071.9	21037.3	26926.7	29721.5	28500.7	18905.3	6786.1	2199.7	977.3	385.4
77.5°	7490.9	7966.6	11583.8	19455.2	23114.4	22267.7	11769.3	2528.7	993.4	611.2	177.4
80°	2796.4	3109.2	5028.3	9901.8	13357.7	13707.7	5176.7	956.3	661.2	491.9	90.3
82.5°	732.2	816.0	1854.6	4415.5	6845.8	7165.1	1632.0	482.2	483.8	404.8	54.8
85°	233.8	267.7	578.9	1982.0	3225.3	2831.8	425.7	233.8	351.6	301.6	30.6
87.5°	29.0	37.1	183.8	466.1	711.2	395.1	66.1	69.3	150.0	167.7	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1	5670.1
2.5°	5683.0	5675.0	5676.6	5634.7	5607.3	5552.4	5496.0	5470.2	5442.8	5431.5	5442.8
5°	5712.1	5697.6	5655.6	5526.6	5389.5	5212.1	5046.0	4920.3	4762.2	4718.7	4763.8
7.5°	5757.2	5728.2	5605.6	5342.8	5038.0	4699.3	4318.7	4041.4	3814.0	3667.2	3720.4
10°	5823.4	5768.5	5521.8	5075.1	4530.0	3930.1	3389.8	2968.9	2670.6	2548.0	2543.2
12.5°	5934.6	5831.4	5418.6	4726.7	3909.1	3109.2	2401.3	1944.9	1703.0	1546.6	1543.3
15°	6057.2	5905.6	5287.9	4309.1	3186.6	2227.1	1546.6	1199.8	1043.4	993.4	987.0
17.5°	6207.2	5991.1	5118.6	3794.6	2430.3	1475.6	1009.5	909.5	903.1	898.3	898.3
20°	6395.8	6092.7	4900.9	3206.0	1723.9	985.3	857.9	864.4	867.6	861.2	862.8
22.5°	6615.2	6195.9	4641.3	2573.8	1166.0	824.1	820.8	828.9	832.1	828.9	830.5
25°	6870.0	6315.2	4325.2	1911.0	841.8	782.1	790.2	801.5	809.6	809.6	809.6
27.5°	7186.1	6460.4	3944.6	1333.7	727.3	738.6	761.2	782.1	793.4	796.7	796.7
30°	7597.3	6641.0	3488.2	914.4	661.2	680.5	722.5	762.8	783.8	787.0	788.6
32.5°	8116.6	6844.2	2959.2	675.7	604.8	619.3	664.4	732.2	772.5	778.9	778.9
35°	8711.6	7079.6	2390.0	588.6	564.4	569.3	604.8	682.2	753.1	770.9	772.5
37.5°	9363.2	7311.8	1817.5	549.9	530.6	530.6	556.4	622.5	706.3	761.2	767.6
40°	9971.1	7452.1	1274.0	519.3	499.9	499.9	522.5	570.9	649.9	732.2	749.9
42.5°	10532.3	7500.5	887.0	490.3	470.9	475.7	495.1	533.8	593.5	675.7	691.8
45°	11109.7	7492.5	646.7	456.4	441.9	456.4	470.9	499.9	543.5	590.2	593.5
47.5°	11545.1	7424.7	512.8	424.1	414.5	433.8	446.7	466.1	490.3	487.0	487.0
50°	11953.1	7260.2	412.8	380.6	387.0	409.6	416.1	422.5	424.1	393.5	390.3
52.5°	12262.7	7003.8	330.6	333.8	359.6	382.2	375.8	366.1	349.9	312.9	306.4
55°	12366.0	6510.3	259.6	275.8	319.3	348.3	324.1	303.2	272.5	241.9	235.4
57.5°	12178.9	5873.3	211.3	214.5	269.3	293.5	266.1	241.9	208.0	182.2	177.4
60°	11782.2	5165.4	174.2	161.3	208.0	229.0	211.3	187.1	156.4	137.1	135.5
62.5°	10995.2	4410.7	143.5	125.8	158.0	175.8	164.5	146.8	121.0	108.0	106.4
65°	9340.6	3528.5	116.1	101.6	122.6	137.1	127.4	114.5	95.1	85.5	83.9
67.5°	6520.0	2385.1	95.1	83.9	96.8	108.0	100.0	93.5	75.8	74.2	75.8
70°	3144.7	1149.8	79.0	67.7	75.8	83.9	80.6	75.8	72.6	83.9	96.8
72.5°	901.5	385.4	62.9	56.4	61.3	66.1	69.3	67.7	79.0	101.6	117.7
73°	693.4	311.2	59.7	53.2	58.1	64.5	67.7	66.1	80.6	103.2	117.7
75°	296.7	150.0	45.2	43.5	48.4	56.4	59.7	59.7	80.6	104.8	112.9
77.5°	133.9	80.6	29.0	33.9	41.9	45.2	50.0	50.0	64.5	80.6	80.6
80°	75.8	43.5	22.6	25.8	30.6	30.6	30.6	27.4	29.0	32.3	35.5
82.5°	48.4	29.0	17.7	21.0	19.4	16.1	12.9	12.9	11.3	12.9	16.1
85°	27.4	16.1	16.1	12.9	8.1	6.5	8.1	6.5	1.6	0.0	1.6
87.5°	16.1	9.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)