

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: P322620

Luminaire Tested: **GAN-SA6D-750-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322620
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-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 32955 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

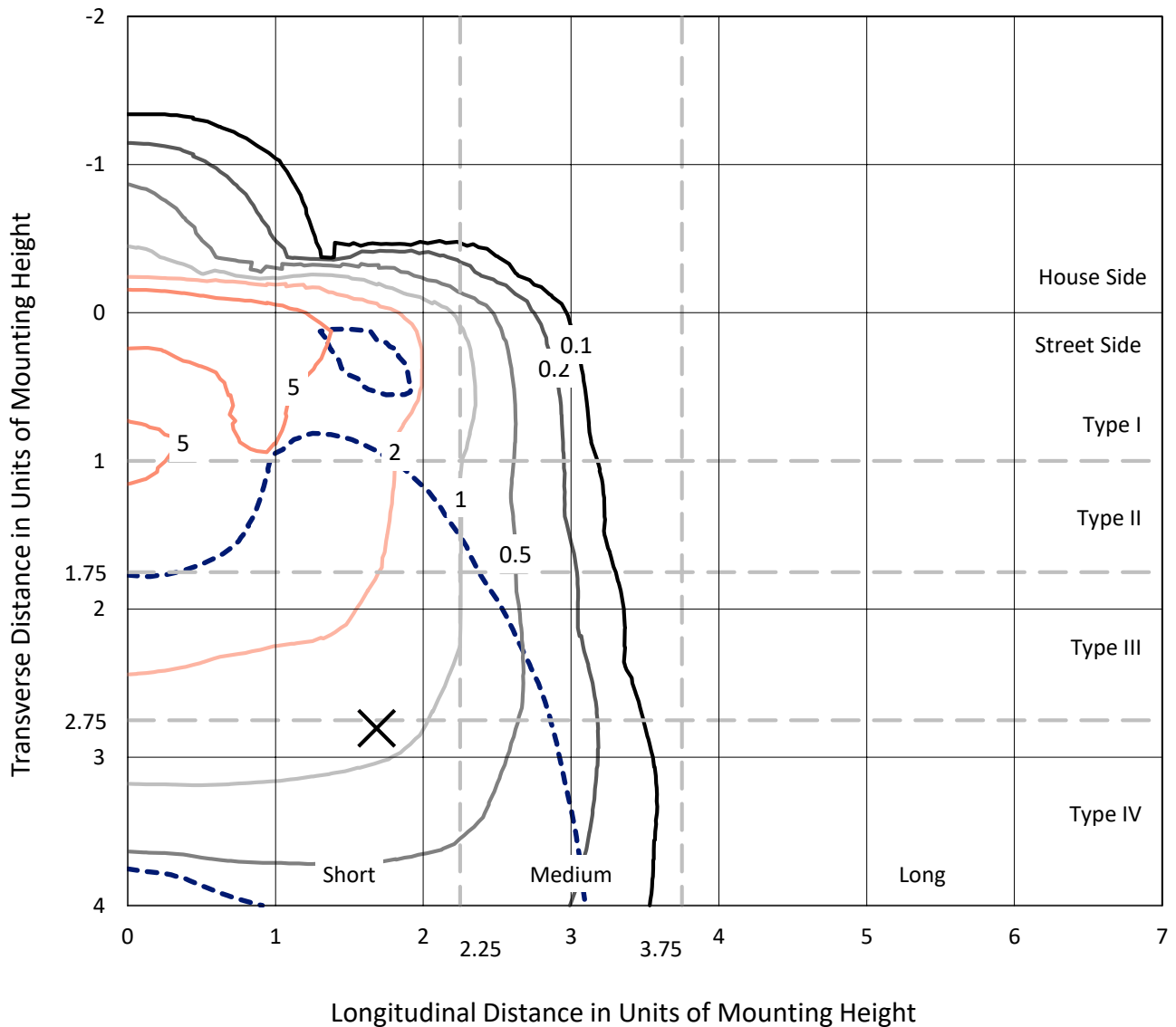
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

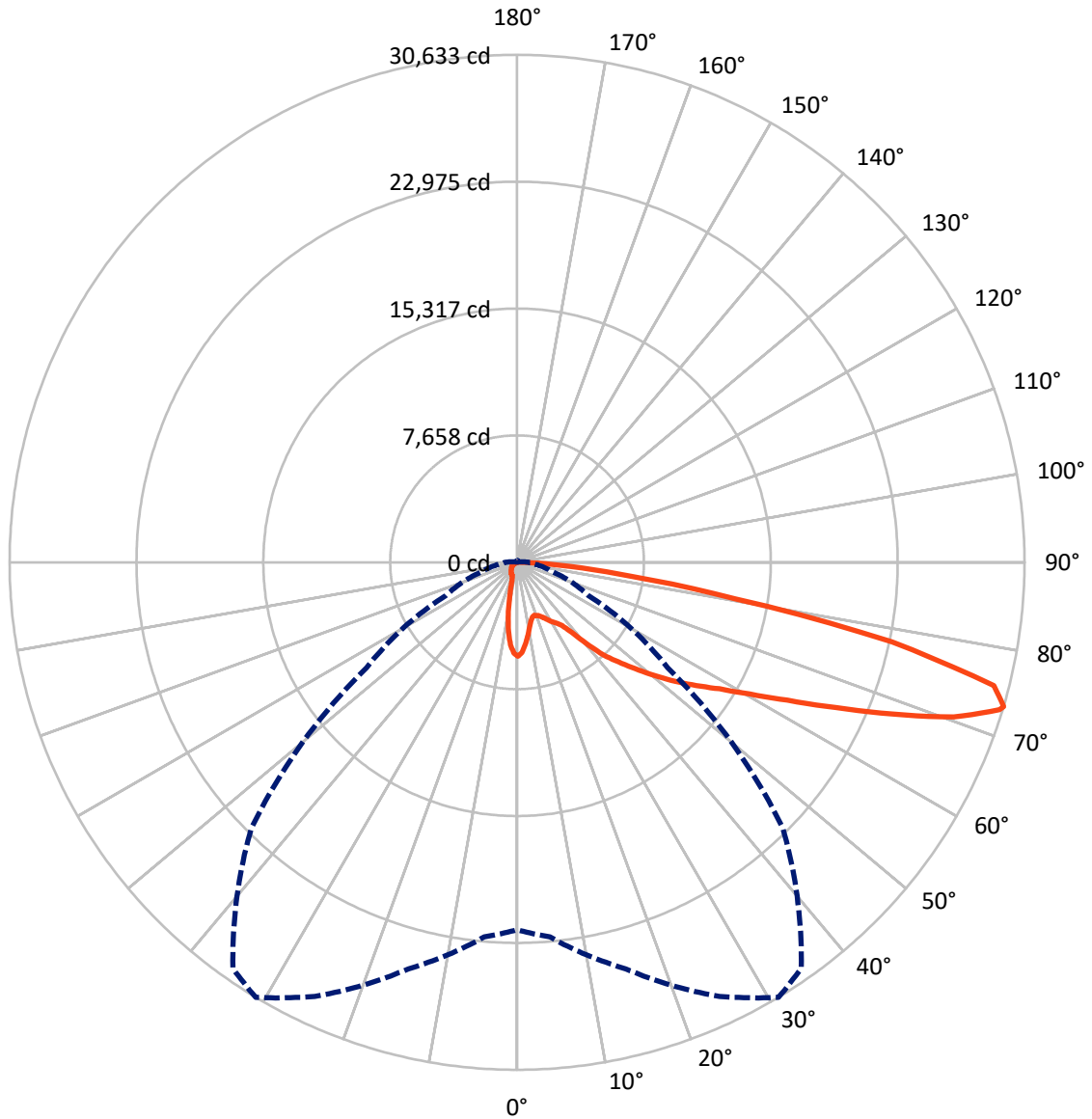
✕ Max cd
 - - - 1/2 Max cd



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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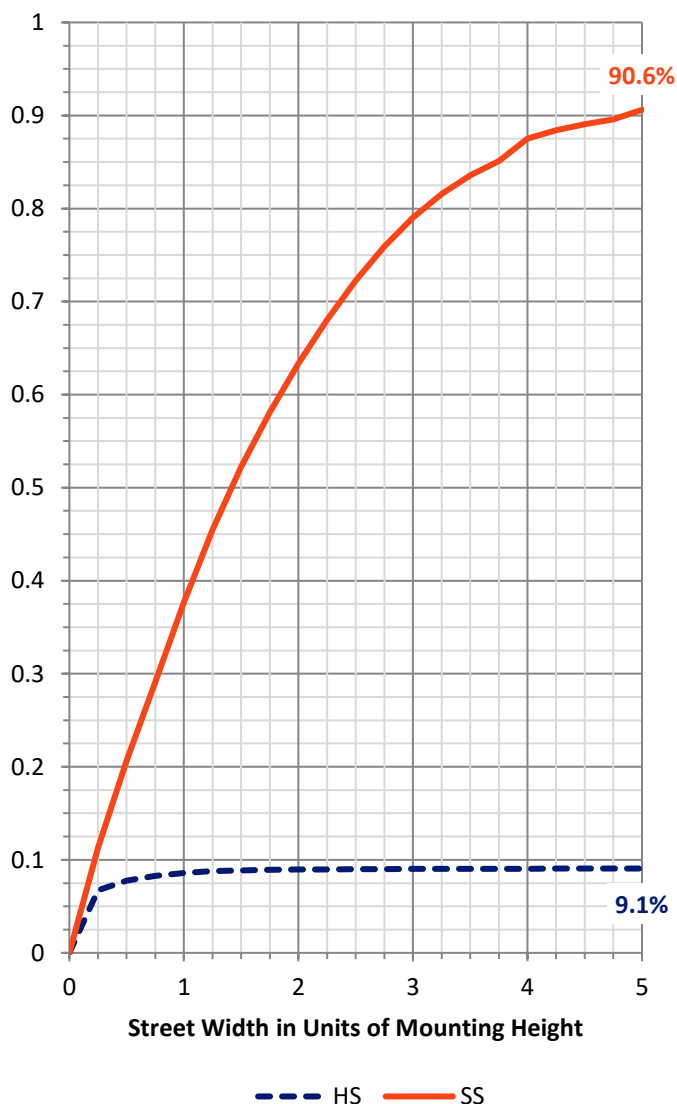
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3004.0	0.0	3004.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	29951.0	0.0	29951.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	32955.0	0.0	32955.0
	% 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°	2433.3	7.4
40°-50°	4345.2	13.2
50°-60°	6742.5	20.5
60°-70°	8963.2	27.2
70°-80°	6742.1	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°	32955.0	100.0
0°-180°	32955.0	100.0

Coefficient of Utilization



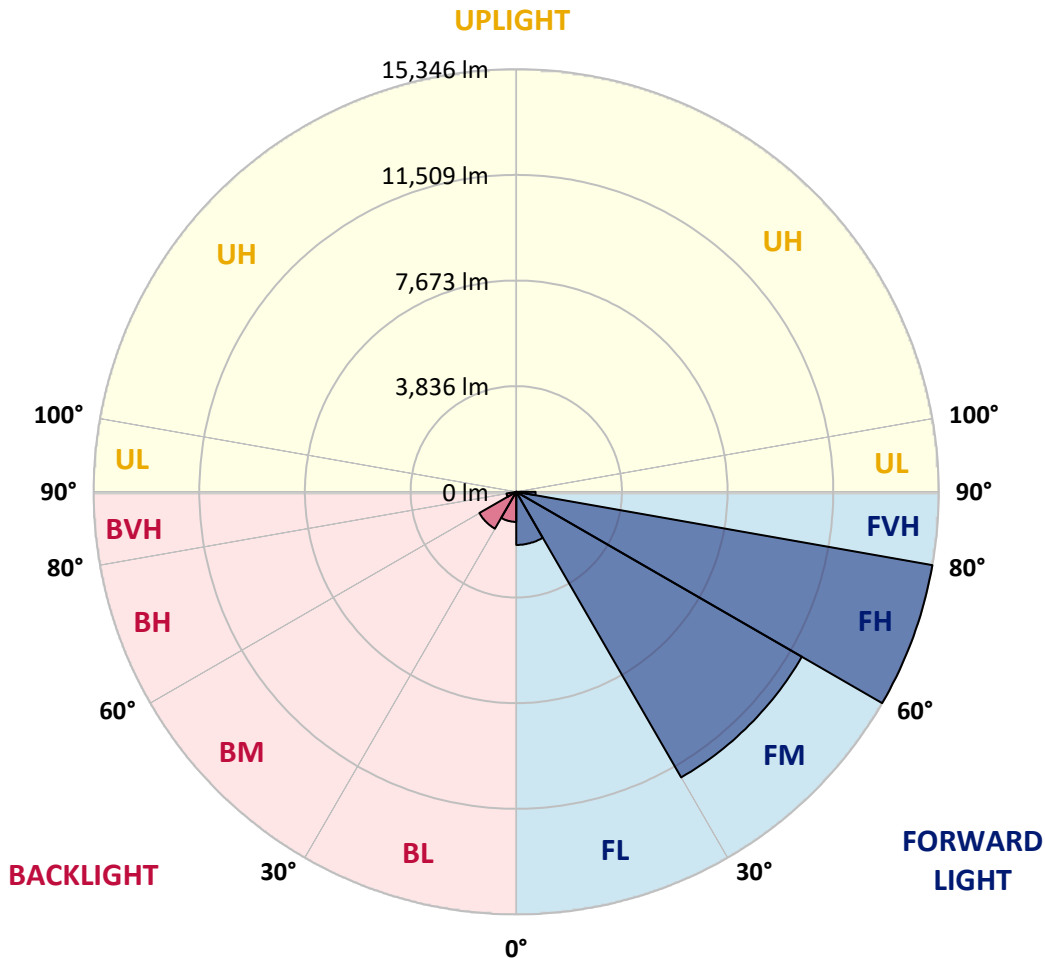
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1927.9	5.9			
FM (30°-60°)	11974.7	36.3			
FH (60°-80°)	15345.9	46.6			G5
FVH (80°-90°)	702.5	2.1			G4/750
BL (0°-30°)	1092.4	3.3	B3/2500		
BM (30°-60°)	1546.2	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°	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0
2.5°	5373.3	5395.8	5420.0	5424.9	5465.2	5466.8	5524.8	5568.4	5611.9	5653.8	5668.4
5°	4821.7	4858.8	4902.4	4945.9	5031.4	5065.2	5207.2	5352.3	5491.0	5623.2	5687.7
7.5°	4233.1	4275.1	4336.3	4444.4	4539.5	4605.6	4829.8	5087.8	5345.8	5589.3	5729.6
10°	3696.1	3734.8	3799.3	3913.8	4060.6	4150.9	4452.4	4810.4	5189.4	5558.7	5792.5
12.5°	3354.3	3375.2	3410.7	3533.3	3665.5	3767.1	4121.9	4565.3	5060.4	5557.1	5894.1
15°	3291.4	3297.8	3268.8	3323.6	3426.8	3525.2	3884.8	4367.0	4962.0	5582.9	6026.4
17.5°	3391.3	3388.1	3291.4	3284.9	3367.2	3447.8	3768.7	4229.9	4892.7	5642.6	6197.3
20°	3542.9	3531.6	3363.9	3333.3	3420.4	3496.2	3760.6	4178.3	4866.9	5742.5	6405.3
22.5°	3744.5	3725.2	3462.3	3430.0	3523.6	3602.6	3860.6	4228.3	4889.5	5876.4	6647.2
25°	3994.5	3965.4	3631.6	3596.1	3691.3	3770.3	4039.6	4371.8	4957.2	6039.3	6953.6
27.5°	4276.7	4234.7	3902.5	3810.6	3918.7	4000.9	4278.3	4591.1	5063.6	6211.8	7329.4
30°	4542.8	4487.9	4188.0	4036.4	4168.6	4260.5	4536.3	4852.4	5234.6	6477.9	7843.8
32.5°	4810.4	4749.2	4442.8	4262.2	4381.5	4481.5	4802.4	5212.0	5555.5	6884.3	8527.5
35°	5426.5	5362.0	4986.2	4687.9	4686.3	4742.7	5174.9	5703.8	5979.6	7450.3	9343.5
37.5°	6463.4	6426.3	6068.3	5502.3	5350.7	5287.8	5682.9	6290.8	6589.2	8229.2	10264.3
40°	7598.7	7566.4	7164.9	6652.1	6421.5	6266.6	6411.8	7108.4	7450.3	9180.7	11204.5
42.5°	8880.7	8727.5	8011.5	7858.3	7651.9	7534.2	7403.5	8116.3	8508.2	10216.0	12136.6
45°	10045.0	9787.0	8858.1	8625.9	8579.1	8608.2	8680.7	9470.9	9698.3	11446.4	13065.5
47.5°	10738.4	10535.3	9822.5	9599.9	9587.0	9778.9	10327.2	11001.3	10883.6	12518.8	13883.1
50°	11398.0	11214.2	10622.3	10677.2	10736.8	10998.1	12196.3	12575.2	11965.6	13491.2	14632.9
52.5°	11931.8	11651.2	11341.6	11649.6	11943.1	12364.0	14124.9	13987.9	12733.3	14265.2	15274.7
55°	12239.8	12112.4	12262.4	12572.0	13123.5	13807.3	15945.6	15163.5	13294.4	14971.6	15702.1
57.5°	13368.6	13118.7	13417.0	13684.7	14403.9	15360.2	17505.0	16039.1	13699.2	15408.6	15800.5
60°	14734.5	14532.9	14708.7	15153.8	16124.6	17248.6	18962.8	16753.5	13910.5	15689.2	15545.7
62.5°	16908.3	16642.2	16532.6	17030.9	18317.8	19545.0	20069.1	17248.6	13863.7	15565.0	14671.6
65°	19820.7	19545.0	19054.7	19506.3	21143.1	22009.1	21305.9	17353.4	13541.2	14560.4	12462.3
67.5°	22804.1	22604.1	22184.8	22946.0	24423.1	24702.1	22613.8	17098.6	12502.7	11806.0	8804.9
70°	24774.7	24689.2	24961.8	26645.3	27962.8	27882.2	23813.6	15729.5	9745.1	7260.0	4355.7
72.5°	23354.0	23763.6	25776.1	28828.8	30438.2	29780.3	23197.6	12078.5	5570.0	2793.1	1259.5
73°	22176.8	22700.9	25410.1	28911.1	30633.3	29912.5	22679.9	11086.8	4747.6	2204.5	954.7
75°	15427.9	16071.4	21036.6	26925.9	29720.6	28499.9	18904.8	6785.9	2199.6	977.2	385.4
77.5°	7490.6	7966.3	11583.5	19454.7	23113.7	22267.1	11768.9	2528.6	993.4	611.2	177.4
80°	2796.3	3109.1	5028.2	9901.5	13357.3	13707.3	5176.5	956.3	661.2	491.8	90.3
82.5°	732.1	816.0	1854.5	4415.4	6845.6	7164.9	1632.0	482.2	483.8	404.8	54.8
85°	233.8	267.7	578.9	1981.9	3225.2	2831.8	425.7	233.8	351.6	301.6	30.6
87.5°	29.0	37.1	183.8	466.0	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°	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0	5670.0
2.5°	5682.9	5674.8	5676.4	5634.5	5607.1	5552.3	5495.8	5470.0	5442.6	5431.3	5442.6
5°	5711.9	5697.4	5655.5	5526.5	5389.4	5212.0	5045.9	4920.1	4762.1	4718.5	4763.7
7.5°	5757.1	5728.0	5605.5	5342.6	5037.8	4699.2	4318.6	4041.2	3813.8	3667.1	3720.3
10°	5823.2	5768.3	5521.6	5074.9	4529.9	3930.0	3389.7	2968.8	2670.5	2547.9	2543.1
12.5°	5934.4	5831.2	5418.4	4726.6	3909.0	3109.1	2401.2	1944.8	1702.9	1546.5	1543.3
15°	6057.0	5905.4	5287.8	4308.9	3186.5	2227.0	1546.5	1199.8	1043.4	993.4	986.9
17.5°	6207.0	5990.9	5118.5	3794.5	2430.2	1475.5	1009.5	909.5	903.1	898.2	898.2
20°	6395.7	6092.5	4900.8	3205.9	1723.9	985.3	857.9	864.4	867.6	861.1	862.8
22.5°	6615.0	6195.7	4641.1	2573.7	1165.9	824.0	820.8	828.9	832.1	828.9	830.5
25°	6869.8	6315.0	4325.0	1911.0	841.8	782.1	790.2	801.5	809.5	809.5	809.5
27.5°	7185.8	6460.2	3944.5	1333.6	727.3	738.6	761.2	782.1	793.4	796.6	796.6
30°	7597.1	6640.8	3488.1	914.4	661.2	680.5	722.5	762.8	783.7	787.0	788.6
32.5°	8116.3	6844.0	2959.2	675.7	604.7	619.2	664.4	732.1	772.4	778.9	778.9
35°	8711.4	7079.4	2389.9	588.6	564.4	569.3	604.7	682.1	753.1	770.8	772.4
37.5°	9362.9	7311.6	1817.4	549.9	530.6	530.6	556.4	622.5	706.3	761.2	767.6
40°	9970.8	7451.9	1274.0	519.3	499.9	499.9	522.5	570.9	649.9	732.1	749.9
42.5°	10532.0	7500.3	886.9	490.2	470.9	475.7	495.1	533.8	593.4	675.7	691.8
45°	11109.3	7492.2	646.7	456.4	441.9	456.4	470.9	499.9	543.5	590.2	593.4
47.5°	11544.8	7424.5	512.8	424.1	414.4	433.8	446.7	466.0	490.2	487.0	487.0
50°	11952.7	7260.0	412.8	380.6	387.0	409.6	416.1	422.5	424.1	393.5	390.3
52.5°	12262.4	7003.6	330.6	333.8	359.6	382.2	375.7	366.1	349.9	312.8	306.4
55°	12365.6	6510.2	259.6	275.8	319.3	348.3	324.1	303.2	272.5	241.9	235.4
57.5°	12178.5	5873.2	211.3	214.5	269.3	293.5	266.1	241.9	208.0	182.2	177.4
60°	11781.8	5165.2	174.2	161.3	208.0	229.0	211.3	187.1	156.4	137.1	135.5
62.5°	10994.8	4410.5	143.5	125.8	158.0	175.8	164.5	146.7	120.9	108.0	106.4
65°	9340.3	3528.4	116.1	101.6	122.6	137.1	127.4	114.5	95.1	85.5	83.9
67.5°	6519.8	2385.1	95.1	83.9	96.8	108.0	100.0	93.5	75.8	74.2	75.8
70°	3144.6	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°	133.8	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)