

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: P323510

Luminaire Tested: **GAN-SA6A-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23812 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

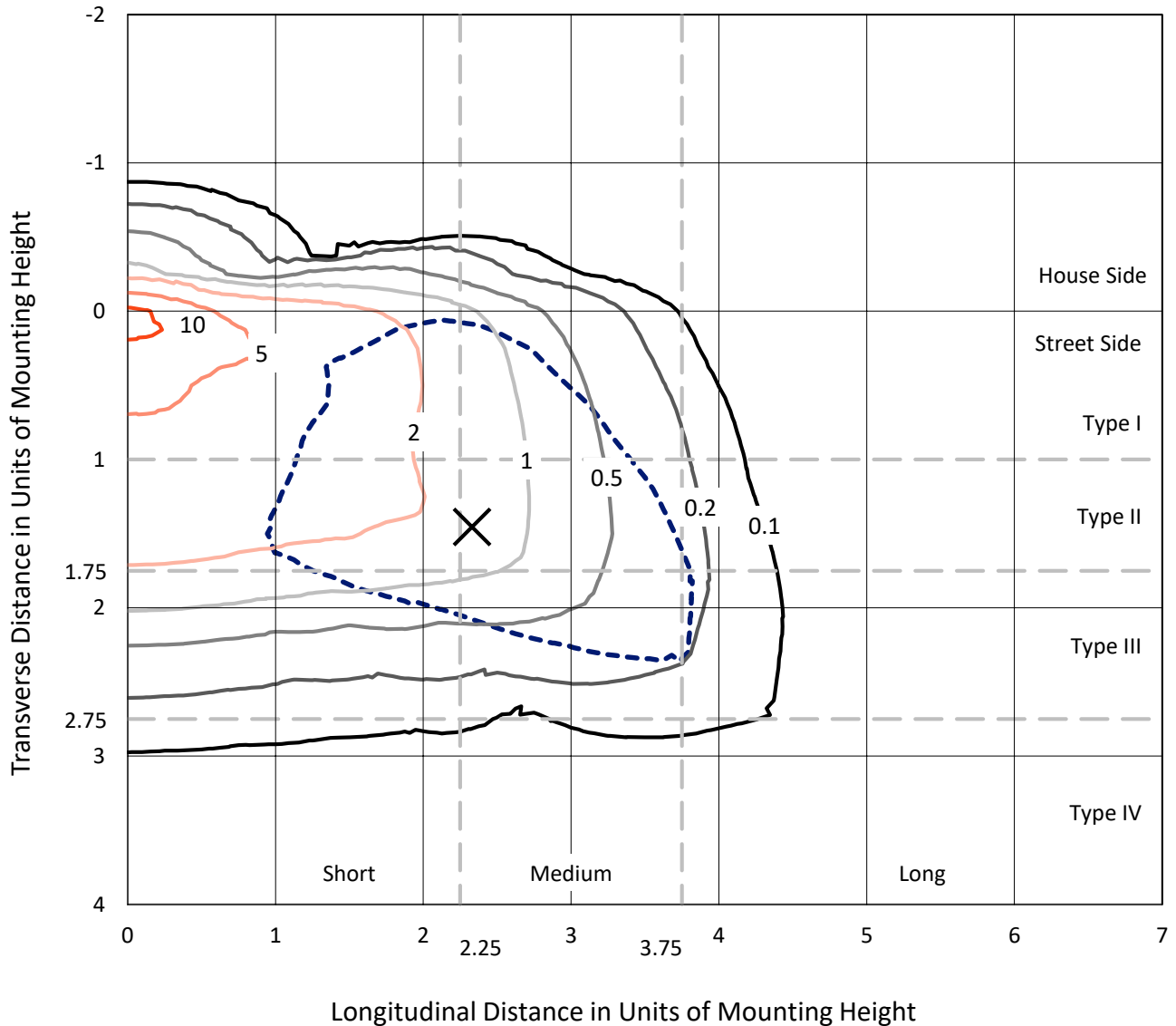
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

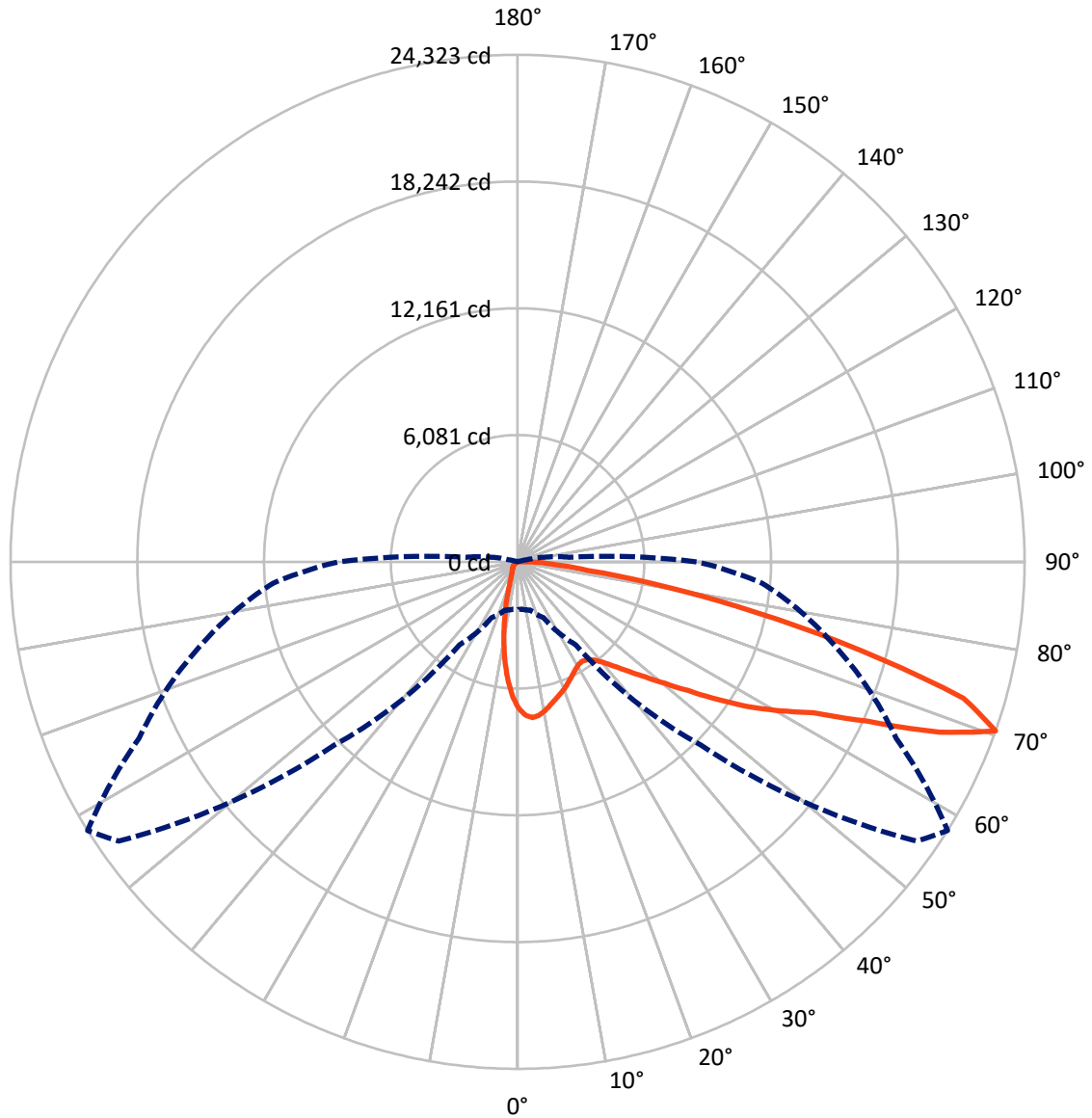
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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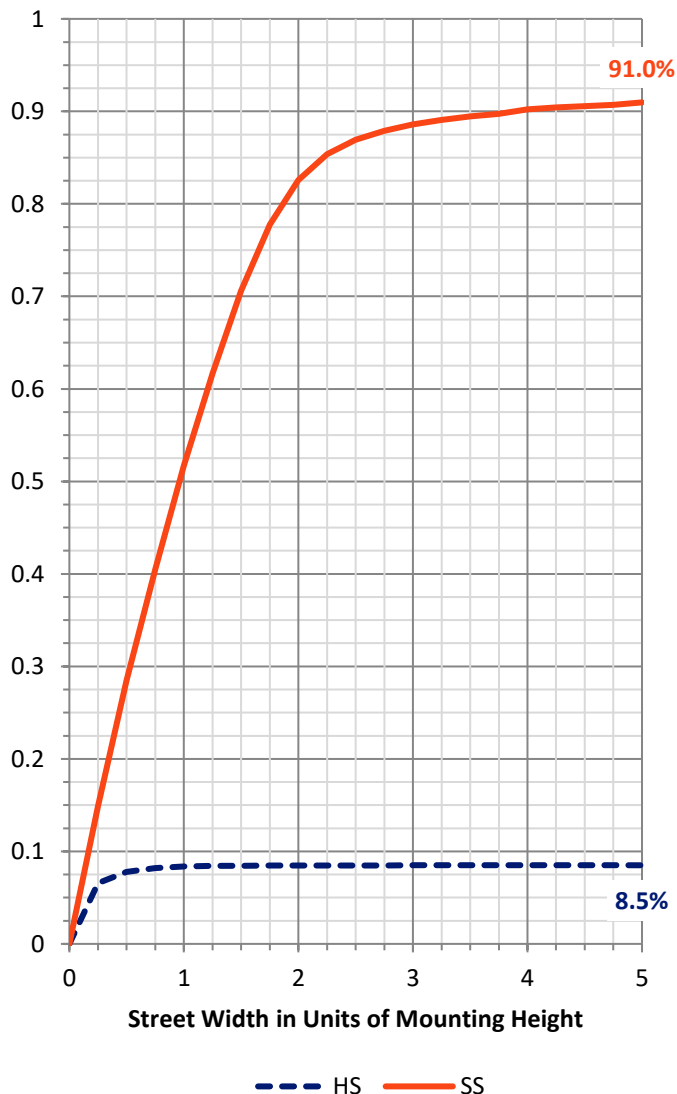
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2037.8	0.0	2037.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	21774.2	0.0	21774.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	23812.0	0.0	23812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.2	2.4
10°-20°	1207.2	5.1
20°-30°	1587.1	6.7
30°-40°	2101.9	8.8
40°-50°	3141.7	13.2
50°-60°	5032.8	21.1
60°-70°	6343.8	26.6
70°-80°	3421.8	14.4
80°-90°	400.5	1.7
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°	23812.0	100.0
0°-180°	23812.0	100.0

Coefficient of Utilization

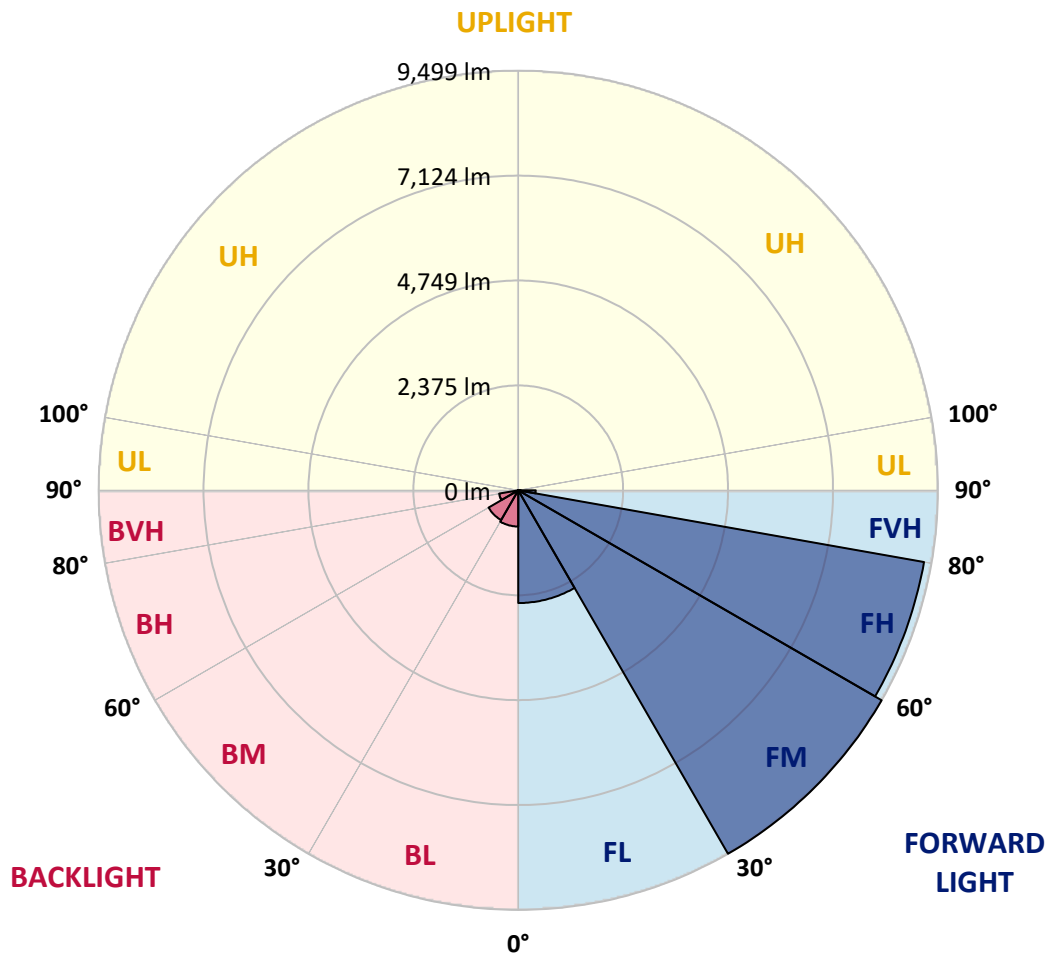


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2550.8	10.7			
FM (30°-60°)	9499.0	39.9			
FH (60°-80°)	9327.4	39.2			G4/12000
FVH (80°-90°)	397.1	1.7			G3/500
BL (0°-30°)	818.7	3.4	B2/1000		
BM (30°-60°)	777.4	3.3	B1/1000		
BH (60°-80°)	438.2	1.8	B1/500		G1/500
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0
2.5°	7617.1	7598.3	7591.4	7579.5	7534.0	7489.4	7401.3	7376.5	7321.1	7189.4	7049.8
5°	7623.1	7622.1	7642.9	7637.9	7622.1	7601.3	7537.9	7505.3	7411.2	7223.1	6967.6
7.5°	7255.7	7274.6	7321.1	7358.7	7402.3	7458.7	7466.6	7435.0	7357.7	7154.7	6816.1
10°	6762.7	6792.4	6857.7	6932.0	7045.8	7158.7	7259.7	7255.7	7229.0	7029.0	6633.9
12.5°	6268.6	6303.2	6378.5	6488.4	6649.8	6833.9	7014.1	7038.9	7083.5	6916.1	6465.6
15°	5835.9	5865.6	5939.8	6074.5	6274.5	6522.0	6786.4	6832.0	6946.8	6828.0	6325.0
17.5°	5468.5	5487.4	5541.8	5691.3	5923.0	6223.0	6566.6	6655.7	6827.0	6758.7	6203.2
20°	5212.1	5215.1	5250.7	5355.7	5587.4	5923.0	6338.9	6466.6	6700.3	6699.3	6077.5
22.5°	5085.4	5075.5	5082.4	5142.8	5313.1	5636.9	6111.1	6262.6	6586.4	6648.8	5949.7
25°	5061.6	5053.7	5033.9	5041.8	5144.8	5386.4	5881.4	6056.7	6486.4	6618.1	5838.9
27.5°	5135.9	5143.8	5110.1	5074.5	5082.4	5224.0	5677.5	5880.4	6405.2	6618.1	5760.6
30°	5285.4	5289.3	5264.6	5218.0	5155.7	5178.4	5535.9	5738.8	6364.6	6663.6	5711.1
32.5°	5450.7	5472.5	5469.5	5431.9	5342.8	5250.7	5502.2	5687.4	6361.6	6764.6	5706.2
35°	5655.7	5680.4	5722.0	5714.1	5621.0	5469.5	5617.1	5762.6	6420.1	6931.0	5759.6
37.5°	5873.5	5911.1	6000.2	6042.8	5982.4	5811.1	5874.5	5978.5	6576.5	7200.3	5895.3
40°	6084.4	6127.0	6289.4	6456.7	6411.2	6234.9	6264.6	6347.8	6854.7	7587.4	6152.7
42.5°	6291.3	6354.7	6593.3	6868.6	6923.1	6782.5	6798.3	6864.6	7267.6	8120.1	6573.5
45°	6538.9	6610.2	6963.7	7303.3	7448.8	7387.4	7454.8	7498.3	7807.3	8824.1	7140.9
47.5°	6902.3	6984.4	7418.1	7805.3	8060.7	8100.3	8236.0	8264.7	8489.5	9644.0	7880.5
50°	7611.2	7634.0	8026.1	8377.6	8745.9	8983.5	9138.0	9159.8	9315.2	10540.0	8804.3
52.5°	8503.3	8518.2	8740.0	8975.6	9394.4	9879.6	10241.0	10271.7	10304.4	11413.3	9716.2
55°	9389.5	9387.5	9534.1	9672.7	10151.9	10856.9	11641.1	11659.9	11425.2	12242.1	10413.3
57.5°	9943.0	9996.4	10219.2	10397.5	11066.8	11970.8	13059.0	13128.3	12602.5	12856.0	11102.4
60°	9766.7	9792.5	10286.6	10946.0	12206.4	13554.0	14493.7	14511.5	13487.7	13468.9	11973.8
62.5°	8321.1	8335.0	9111.3	10470.7	12783.7	15607.6	16224.4	15934.3	14505.5	14319.4	13016.4
65°	5703.2	5793.3	6441.8	8122.1	11723.3	16895.7	18903.7	18423.5	16057.1	15545.2	13959.0
67.5°	3358.6	3339.7	3660.5	4898.2	8610.3	16040.3	22293.0	21815.7	18173.0	16366.0	13682.7
70°	2294.2	2281.3	2404.1	2965.5	4860.6	12443.1	23359.4	24322.8	20041.4	15813.5	11775.7
72.5°	1637.7	1644.6	1825.8	2304.1	3051.6	7249.8	20088.0	22368.2	19456.2	13785.7	8950.9
75°	1111.9	1130.7	1390.2	1890.2	2675.4	3688.3	14255.0	17003.7	15843.2	10019.2	5144.8
77.5°	598.0	618.8	924.8	1522.8	2418.9	2562.5	9169.7	11702.5	9951.9	4504.1	1491.2
80°	249.5	261.4	432.7	1107.0	2090.2	2250.6	5395.3	7096.3	4240.8	888.2	332.7
82.5°	107.9	113.9	180.2	660.4	1562.4	1900.1	2856.6	3414.0	1285.2	195.1	167.3
85°	20.8	21.8	74.3	349.5	997.1	1072.3	1851.6	1814.9	577.3	84.2	121.8
87.5°	0.0	0.0	17.8	109.9	293.1	584.2	1129.7	1115.9	196.0	40.6	45.5
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°	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0	7034.0
2.5°	6978.5	6910.2	6766.6	6589.4	6453.7	6304.2	6185.4	6034.9	5969.6	5972.5	5936.9
5°	6822.1	6681.5	6363.6	5962.6	5653.7	5334.9	5060.6	4787.3	4625.9	4573.5	4523.9
7.5°	6598.3	6375.5	5868.6	5250.7	4727.9	4217.0	3772.4	3381.3	3133.8	3013.0	2968.4
10°	6345.8	6032.9	5299.2	4485.3	3738.8	3047.6	2471.4	1970.4	1770.4	1634.7	1600.1
12.5°	6124.0	5700.2	4742.8	3700.2	2814.0	1980.3	1430.8	1118.9	983.2	929.7	920.8
15°	5915.1	5389.3	4207.1	2989.2	1948.6	1218.9	909.9	804.0	772.3	763.4	763.4
17.5°	5718.1	5093.3	3683.3	2289.2	1289.2	854.5	753.5	729.7	719.8	718.8	719.8
20°	5512.1	4797.2	3168.4	1677.3	900.0	723.8	696.1	683.2	680.2	680.2	680.2
22.5°	5315.1	4501.2	2667.4	1198.1	721.8	660.4	646.6	637.6	634.7	633.7	631.7
25°	5126.0	4220.0	2178.3	846.6	633.7	605.0	593.1	581.2	572.3	567.4	564.4
27.5°	4970.5	3969.5	1722.8	679.2	572.3	547.5	532.7	514.9	493.1	483.2	479.2
30°	4846.7	3740.7	1327.8	573.3	514.9	490.1	467.3	436.7	405.0	388.1	387.1
32.5°	4749.7	3516.0	1008.0	507.0	463.4	432.7	400.0	361.4	324.8	306.0	305.0
35°	4702.2	3318.0	770.3	458.4	417.8	379.2	338.6	296.1	260.4	242.6	240.6
37.5°	4733.9	3150.6	601.0	417.8	379.2	334.7	287.1	242.6	210.9	195.1	194.1
40°	4849.7	3043.7	488.1	383.2	346.5	292.1	240.6	199.0	172.3	159.4	158.4
42.5°	5096.2	3004.1	416.8	354.5	314.9	252.5	200.0	164.4	139.6	130.7	128.7
45°	5508.1	3062.5	368.3	326.7	282.2	214.9	165.4	134.7	112.9	105.9	105.0
47.5°	6056.7	3216.0	333.7	300.0	252.5	181.2	137.6	108.9	92.1	85.2	84.2
50°	6763.6	3459.5	305.0	273.3	224.8	153.5	113.9	86.1	71.3	66.3	66.3
52.5°	7533.0	3749.7	279.2	248.5	197.0	127.7	92.1	66.3	56.4	50.5	50.5
55°	8168.7	4003.1	251.5	229.7	163.4	105.9	70.3	50.5	41.6	38.6	38.6
57.5°	8803.3	4273.4	219.8	197.0	130.7	86.1	53.5	37.6	30.7	28.7	28.7
60°	9626.1	4604.1	189.1	160.4	103.0	65.3	39.6	26.7	22.8	21.8	21.8
62.5°	10531.1	4798.2	161.4	128.7	80.2	48.5	28.7	17.8	16.8	16.8	15.8
65°	11084.6	4523.9	135.6	103.0	62.4	36.6	18.8	12.9	14.9	13.9	11.9
67.5°	10378.6	3541.7	110.9	80.2	48.5	27.7	11.9	8.9	15.8	12.9	9.9
70°	8593.4	2479.3	86.1	56.4	38.6	23.8	7.9	5.9	16.8	12.9	7.9
72.5°	6431.0	1659.5	68.3	37.6	28.7	20.8	6.9	3.0	14.9	10.9	6.9
75°	3514.0	668.3	54.5	23.8	17.8	14.9	5.0	2.0	9.9	7.9	5.0
77.5°	924.8	176.2	39.6	15.8	9.9	5.9	3.0	1.0	5.0	4.0	2.0
80°	235.7	68.3	25.7	10.9	6.9	3.0	0.0	0.0	1.0	0.0	0.0
82.5°	125.7	28.7	15.8	7.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	95.1	18.8	8.9	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.6	5.9	3.0	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)