

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: P319727

Luminaire Tested: **GAN-SA3C-750-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-750-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21595 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

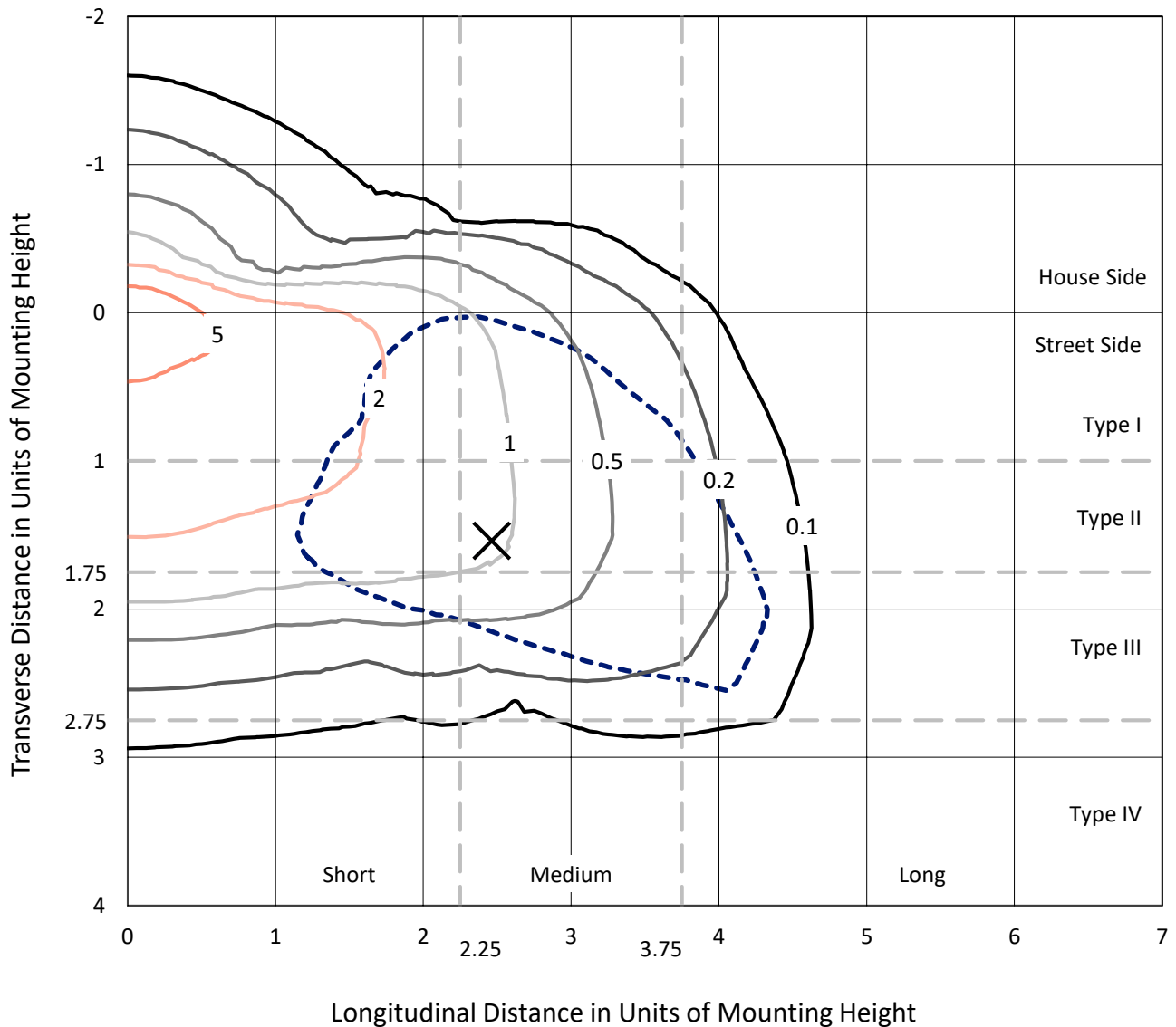
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

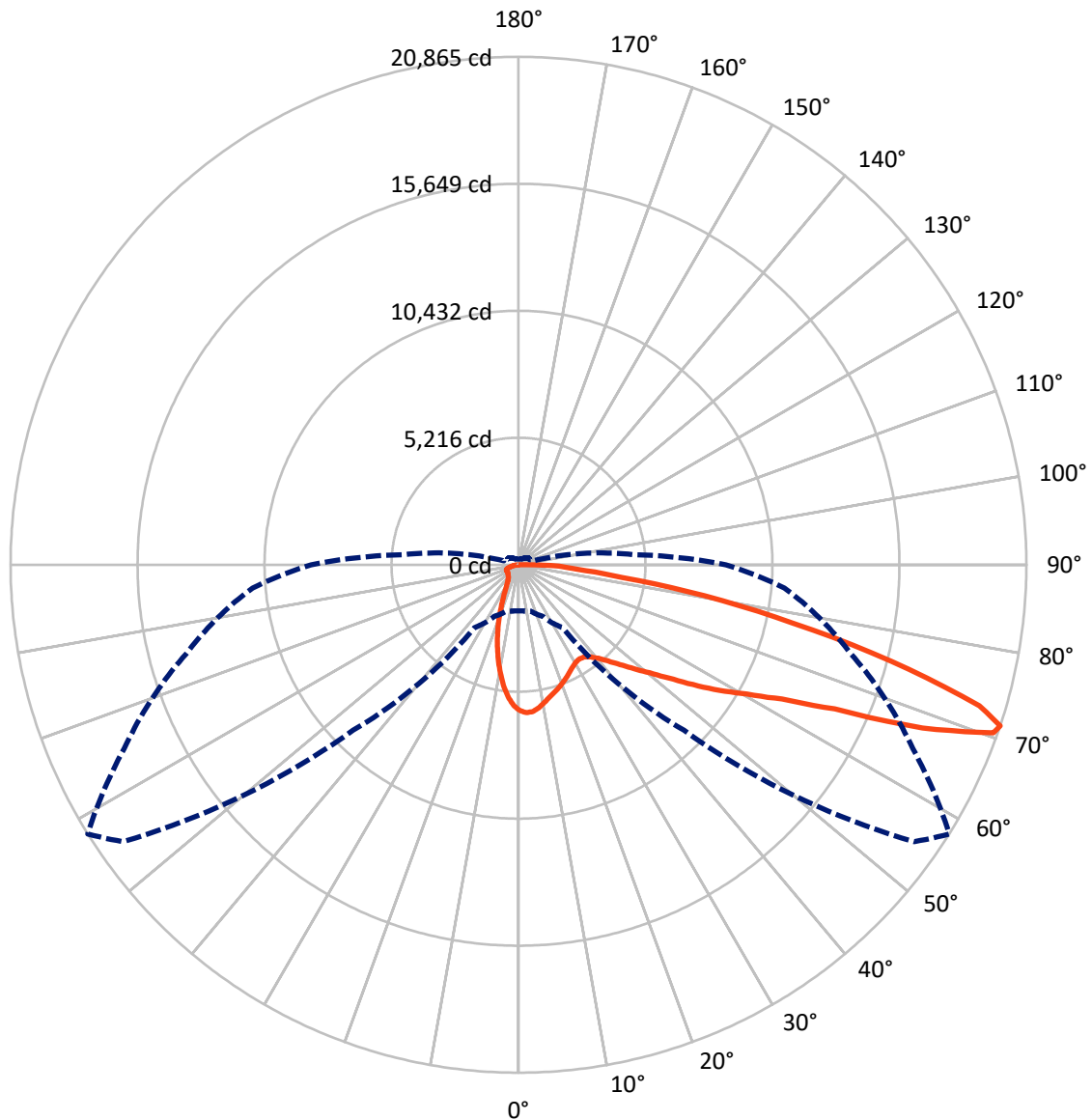
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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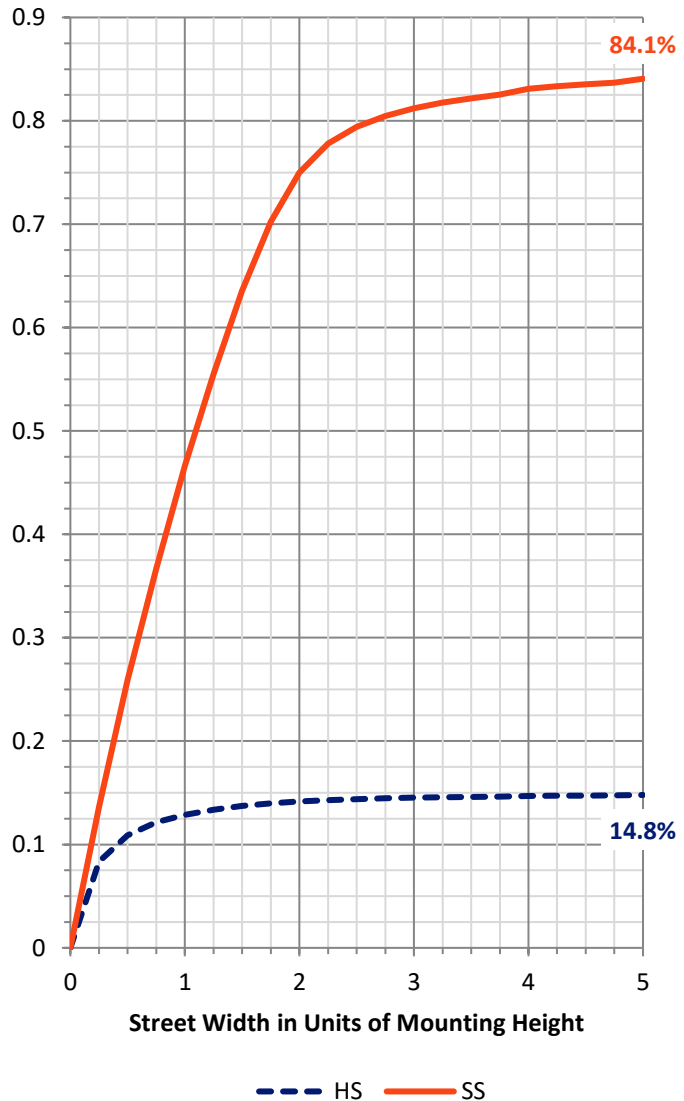
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3228.6	0.0	3228.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	18366.4	0.0	18366.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	21595.0	0.0	21595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.2	2.4
10°-20°	1147.8	5.3
20°-30°	1458.7	6.8
30°-40°	1858.1	8.6
40°-50°	2634.9	12.2
50°-60°	4077.6	18.9
60°-70°	5551.1	25.7
70°-80°	3703.2	17.1
80°-90°	647.5	3.0
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°	21595.0	100.0
0°-180°	21595.0	100.0

Coefficient of Utilization

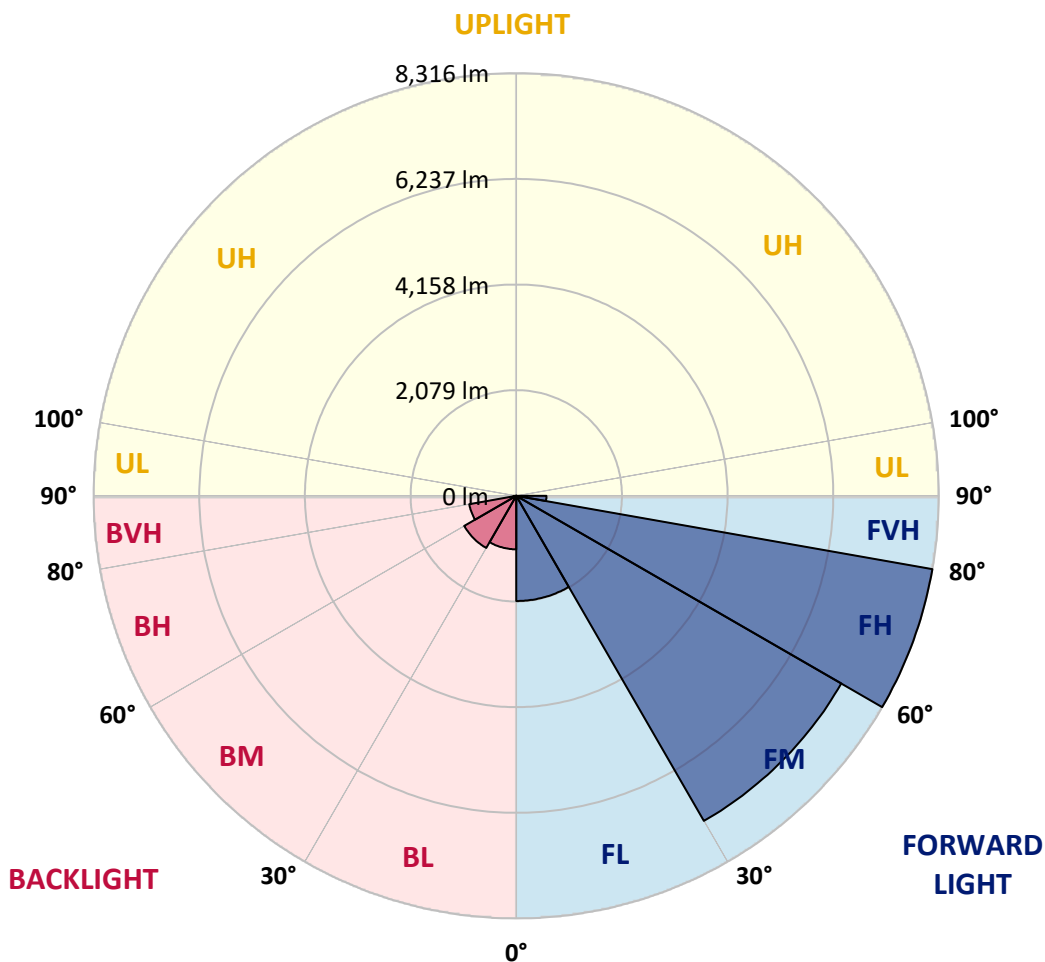


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2070.2	9.6			
FM (30°-60°)	7386.5	34.2			
FH (60°-80°)	8316.0	38.5			G4/12000
FVH (80°-90°)	593.7	2.7			G4/750
BL (0°-30°)	1052.4	4.9	B3/2500		
BM (30°-60°)	1184.0	5.5	B2/2500		
BH (60°-80°)	938.4	4.3	B2/1000		G2/1000
BVH (80°-90°)	53.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3
2.5°	6142.0	6133.7	6136.7	6130.7	6116.4	6102.1	6081.0	6084.8	6055.5	6011.8	5957.7
5°	6026.1	6023.1	6045.7	6058.5	6069.0	6060.7	6054.7	6062.2	6019.4	5959.2	5865.2
7.5°	5783.2	5750.1	5778.7	5821.5	5862.1	5893.0	5933.6	5938.9	5911.8	5848.6	5725.2
10°	5437.9	5406.3	5448.4	5515.4	5596.6	5670.3	5752.3	5767.4	5772.6	5715.5	5565.8
12.5°	5079.8	5055.8	5097.9	5191.9	5326.6	5440.1	5571.0	5593.6	5640.2	5601.9	5418.3
15°	4759.4	4750.3	4801.5	4894.0	5049.0	5222.8	5411.6	5452.9	5531.9	5519.1	5303.2
17.5°	4482.6	4480.3	4519.4	4616.5	4788.0	5007.6	5252.8	5322.8	5440.1	5455.2	5208.5
20°	4276.4	4271.9	4299.0	4370.5	4547.2	4796.2	5081.3	5177.6	5346.9	5399.5	5110.7
22.5°	4165.9	4165.1	4165.9	4199.7	4344.1	4575.8	4914.3	5031.7	5255.8	5355.1	5002.3
25°	4147.1	4144.8	4128.3	4124.5	4206.5	4391.5	4748.8	4878.2	5169.3	5324.3	4899.3
27.5°	4196.0	4199.0	4177.1	4141.8	4158.3	4270.4	4605.2	4743.6	5100.1	5318.3	4827.8
30°	4297.5	4296.0	4277.2	4240.3	4208.0	4225.3	4502.9	4641.3	5053.5	5344.6	4778.9
32.5°	4409.6	4417.9	4414.1	4393.8	4345.6	4276.4	4472.0	4607.4	5040.0	5407.8	4757.9
35°	4544.2	4553.3	4580.3	4596.1	4539.7	4428.4	4538.2	4655.6	5079.1	5526.7	4791.7
37.5°	4672.1	4695.4	4771.4	4838.4	4790.2	4666.1	4714.2	4797.7	5200.2	5714.0	4882.7
40°	4819.6	4839.9	4964.0	5106.2	5098.6	4970.0	4997.8	5053.5	5413.8	5982.5	5047.5
42.5°	4964.7	5005.4	5185.1	5386.7	5444.7	5331.1	5375.5	5404.8	5714.7	6338.3	5334.8
45°	5158.1	5201.7	5451.4	5694.4	5829.8	5765.9	5836.6	5847.9	6093.1	6822.8	5752.3
47.5°	5450.7	5500.3	5791.4	6046.4	6253.3	6260.1	6376.7	6372.2	6565.5	7377.1	6278.1
50°	5906.5	5978.0	6216.5	6454.9	6706.2	6846.1	7001.8	6980.0	7131.9	7967.6	6883.7
52.5°	6503.8	6536.9	6713.7	6889.7	7201.9	7515.6	7739.0	7719.4	7774.3	8574.7	7571.2
55°	7122.9	7147.7	7220.7	7317.0	7736.7	8248.2	8720.6	8689.8	8550.6	9205.1	8250.5
57.5°	7679.5	7729.9	7780.3	7820.2	8275.3	9014.0	9724.9	9727.1	9393.1	9885.1	8952.3
60°	7766.1	7810.4	8143.7	8458.1	9196.8	10035.5	10799.8	10777.2	10265.0	10623.0	9734.6
62.5°	6864.9	6964.9	7521.6	8358.1	10084.4	11904.1	12171.1	12143.3	11307.6	11532.5	10645.6
65°	4919.6	5033.2	5704.9	6961.9	9654.2	13962.9	14646.0	14271.4	12729.3	12651.0	11712.3
67.5°	2838.2	2865.3	3156.4	4165.9	7350.8	14070.5	18421.4	17897.1	14937.1	13920.1	12234.3
70°	2098.7	2098.0	2167.2	2563.6	3977.8	11483.6	20217.0	20687.2	17261.5	14337.6	11496.4
71°	1897.9	1900.1	1977.6	2333.4	3150.4	9612.0	19835.6	20864.7	17873.8	14131.4	10962.3
72.5°	1623.3	1630.8	1738.4	2092.7	2650.1	6628.7	18192.7	19799.5	18164.2	13622.9	10126.6
75°	1231.4	1248.7	1397.6	1764.0	2422.2	3361.7	13352.1	15810.4	16136.1	12020.7	7524.6
77.5°	878.6	898.2	1066.7	1483.4	2302.6	2533.5	8941.8	11532.5	11874.7	7703.6	3394.1
80°	555.1	578.5	705.6	1180.3	2163.4	2405.6	5619.2	7751.8	6475.2	2465.1	863.6
82.5°	325.7	343.8	437.8	771.0	1767.0	2316.9	3306.1	4296.8	2520.0	744.7	392.7
85°	188.8	197.1	273.1	491.2	1283.3	2186.7	2429.0	2401.9	1093.7	364.1	185.8
87.5°	88.0	97.8	161.7	256.5	712.4	1585.0	1919.7	1658.7	680.0	170.8	87.3
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°	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3	5983.3
2.5°	5931.4	5918.6	5865.2	5817.8	5768.1	5703.4	5632.0	5622.9	5579.3	5587.6	5572.5
5°	5814.0	5781.7	5653.0	5536.4	5398.8	5275.4	5141.5	5079.8	4991.1	4985.0	4962.5
7.5°	5646.3	5586.1	5386.7	5165.6	4944.4	4733.8	4525.4	4388.5	4248.6	4189.2	4183.9
10°	5457.4	5355.1	5061.8	4734.6	4415.6	4107.9	3810.1	3589.7	3391.1	3297.0	3293.3
12.5°	5278.4	5127.2	4724.8	4279.5	3843.2	3444.5	3036.0	2746.4	2497.4	2413.9	2378.6
15°	5126.5	4913.6	4396.8	3827.4	3297.8	2744.1	2279.3	1974.6	1744.4	1664.7	1649.6
17.5°	4979.0	4705.2	4060.6	3370.8	2730.6	2122.0	1656.4	1430.0	1307.4	1275.0	1274.3
20°	4832.3	4490.8	3709.3	2903.6	2182.2	1587.2	1273.5	1172.0	1130.6	1126.8	1120.8
22.5°	4666.1	4263.7	3339.9	2435.0	1703.1	1248.0	1082.5	1041.8	1036.6	1050.1	1050.1
25°	4510.4	4038.0	2965.3	1976.1	1324.7	1041.1	966.6	958.3	972.6	996.7	999.0
27.5°	4365.2	3820.6	2599.7	1568.4	1061.4	917.0	886.1	895.9	921.5	949.3	950.1
30°	4245.6	3615.2	2244.7	1235.9	896.7	824.4	819.2	838.7	866.6	888.4	893.7
32.5°	4153.1	3440.0	1901.6	993.7	789.1	755.2	759.8	776.3	793.6	805.6	813.9
35°	4110.2	3289.5	1585.0	838.0	720.6	701.8	707.9	716.9	724.4	733.4	740.2
37.5°	4117.7	3172.9	1302.1	740.9	674.8	665.0	665.0	665.0	665.0	669.5	670.2
40°	4187.7	3106.0	1071.9	679.3	643.9	633.4	625.1	617.6	611.6	614.6	613.1
42.5°	4366.7	3100.0	903.4	640.1	619.1	601.8	585.2	574.7	567.2	570.2	571.7
45°	4670.6	3175.2	789.8	612.3	595.8	569.4	548.4	537.1	531.8	541.6	543.1
47.5°	5064.0	3339.2	720.6	592.0	574.0	539.4	516.8	506.3	507.8	522.0	525.8
50°	5571.0	3605.5	687.5	579.2	558.9	513.8	490.5	481.4	485.9	506.3	510.8
52.5°	6127.7	3989.1	691.3	575.5	549.1	495.0	470.1	459.6	467.1	485.9	489.7
55°	6770.1	4450.2	753.7	580.7	534.8	482.9	453.6	435.5	441.6	458.9	461.9
57.5°	7484.0	4978.3	879.4	579.2	516.8	471.6	436.3	409.2	413.7	424.3	427.3
60°	8227.2	5616.2	1074.2	583.7	508.5	458.1	413.0	379.1	377.6	386.6	388.2
62.5°	9119.3	6354.1	1296.8	586.7	513.8	440.8	382.1	349.0	344.5	346.8	348.3
65°	10038.5	6888.2	1213.4	574.7	530.3	426.5	355.1	319.7	311.4	309.9	310.7
67.5°	10067.1	6315.7	850.8	550.6	537.1	419.0	334.7	294.9	281.3	276.1	275.3
70°	9028.3	5131.0	662.7	525.1	510.0	407.0	315.9	274.6	254.3	246.0	245.2
71°	8521.3	4723.3	628.1	512.3	489.7	394.9	307.7	265.5	244.5	235.4	233.9
72.5°	7726.2	4234.3	586.0	492.0	450.6	364.1	291.9	252.8	230.9	220.4	218.1
75°	5544.7	2769.0	503.2	438.6	373.1	290.4	255.8	227.2	208.4	195.6	194.1
77.5°	2136.3	1102.0	380.6	364.8	285.8	227.2	210.6	196.3	182.8	170.0	169.3
80°	660.5	492.7	277.6	274.6	206.9	169.3	164.0	160.2	155.0	141.4	138.4
82.5°	352.8	282.8	191.1	177.5	135.4	112.8	118.9	120.4	121.1	106.8	105.3
85°	168.5	149.7	107.6	100.8	79.0	63.2	73.0	79.0	79.7	65.4	60.9
87.5°	80.5	78.2	50.4	38.4	29.3	21.1	25.6	31.6	34.6	24.8	21.8
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)