

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: P319687

Luminaire Tested: **GAN-SA3C-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319687
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-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 21596 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

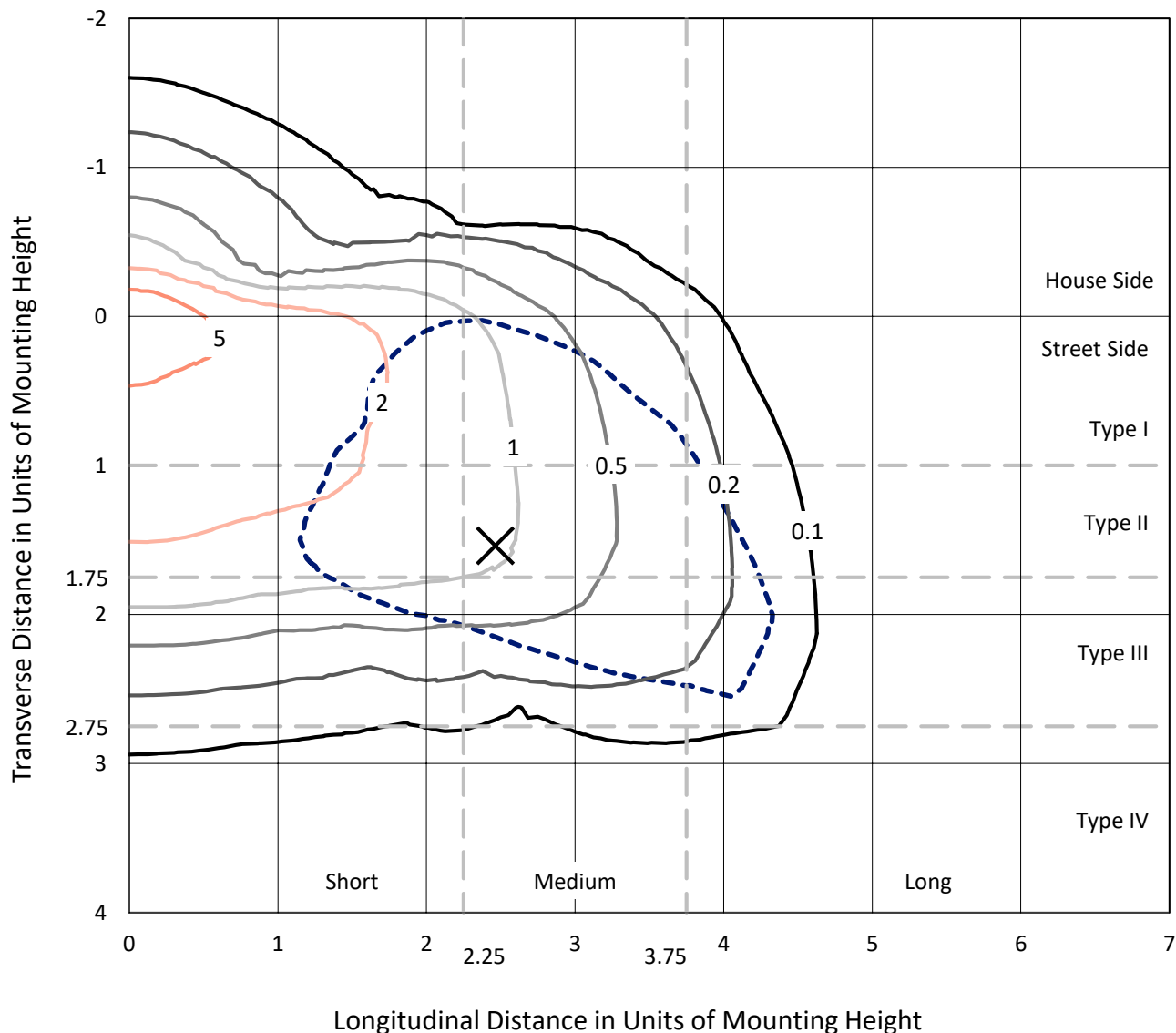
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

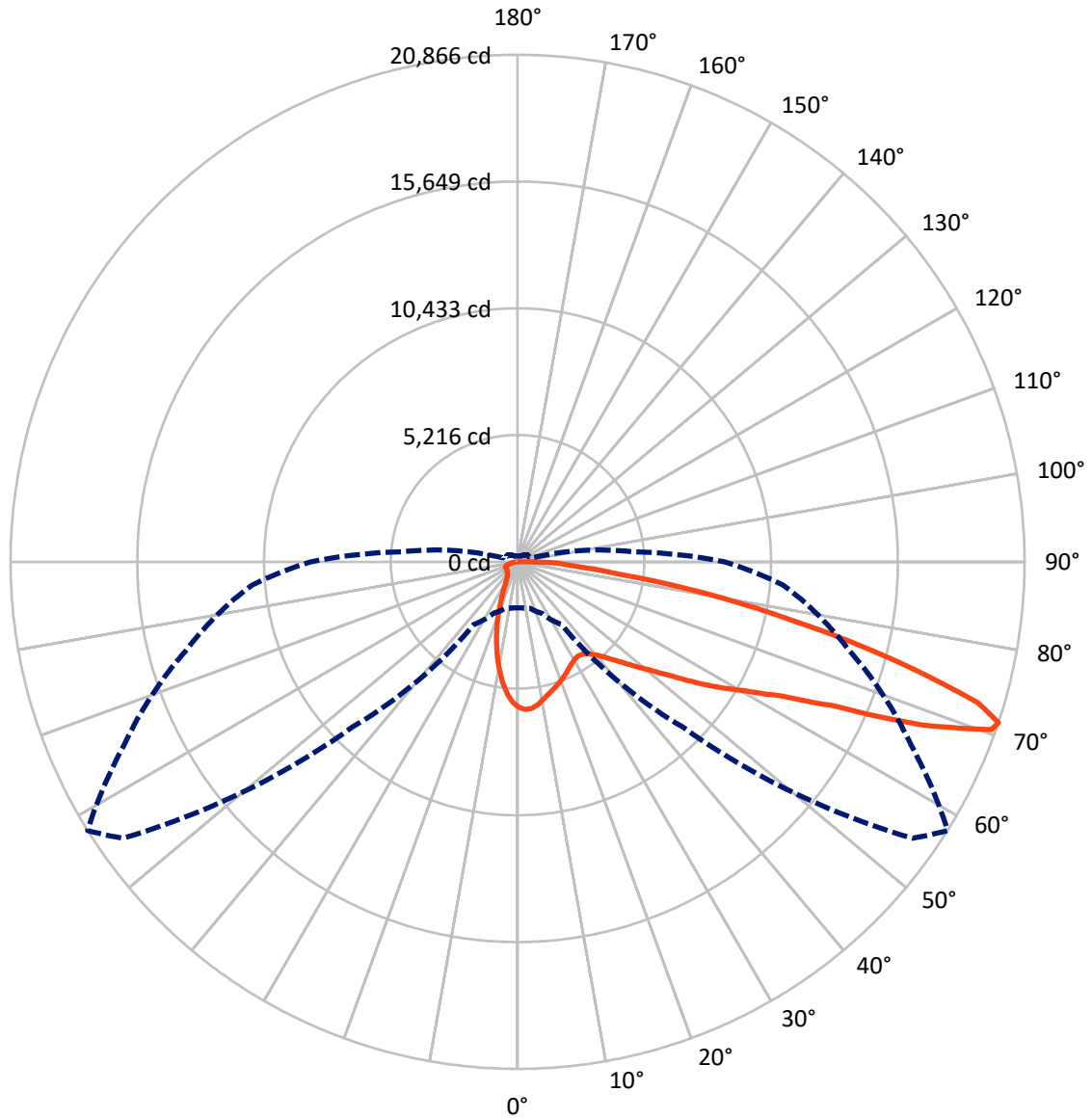
✕ Max cd
 - - - 1/2 Max cd



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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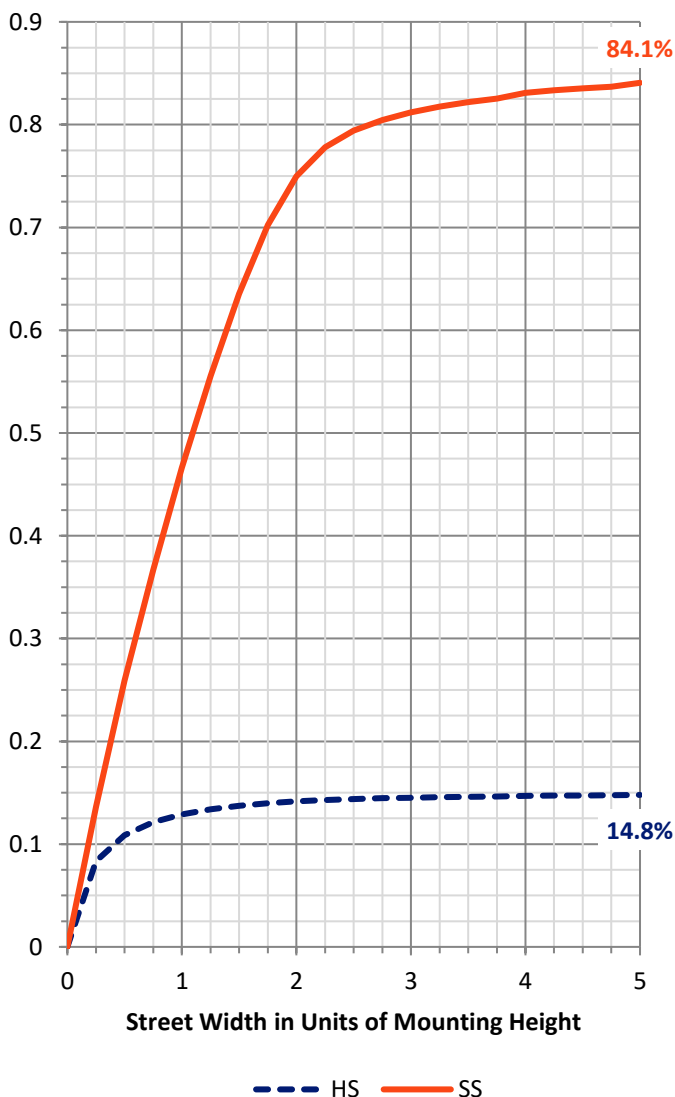
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3228.8	0.0	3228.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	18367.2	0.0	18367.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	21596.0	0.0	21596.0
	% 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°	1458.8	6.8
30°-40°	1858.2	8.6
40°-50°	2635.0	12.2
50°-60°	4077.8	18.9
60°-70°	5551.4	25.7
70°-80°	3703.4	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°	21596.0	100.0
0°-180°	21596.0	100.0

Coefficient of Utilization

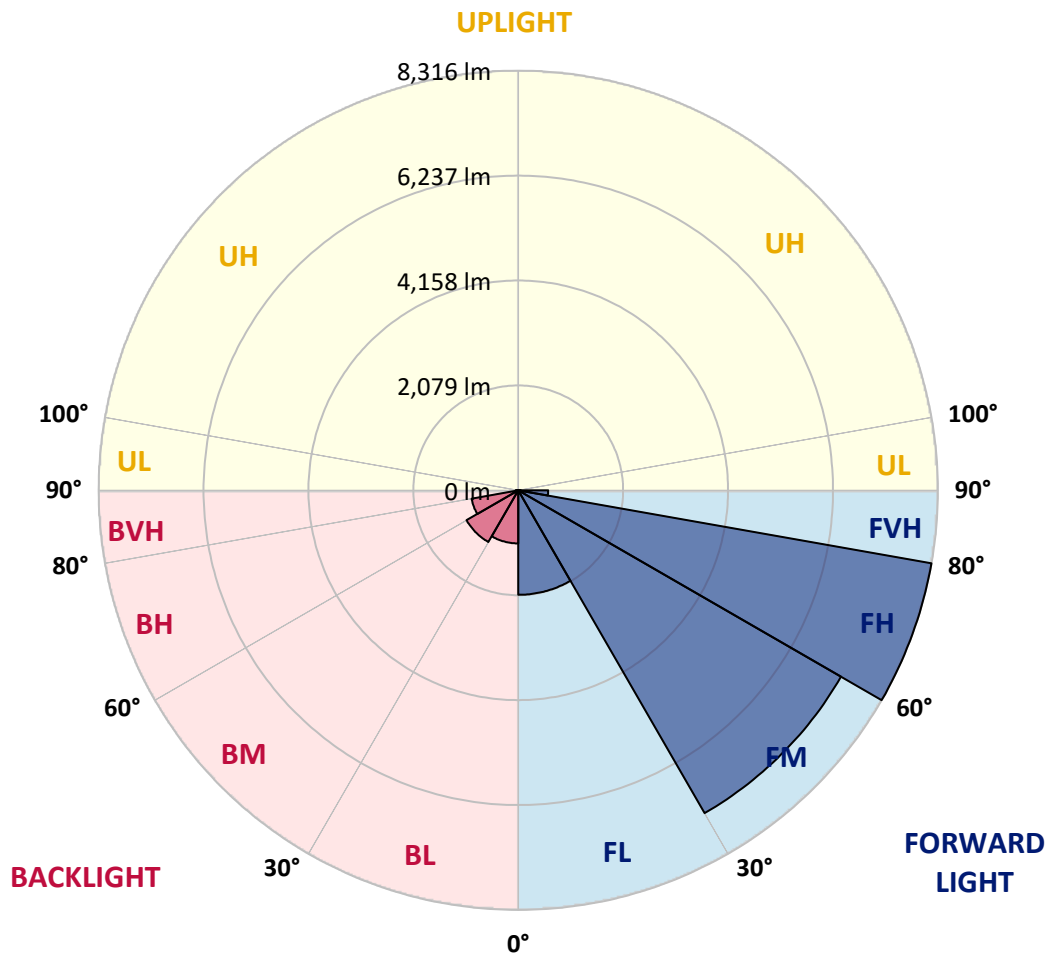


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2070.3	9.6			
FM (30°-60°)	7386.9	34.2			
FH (60°-80°)	8316.4	38.5			G4/12000
FVH (80°-90°)	593.7	2.7			G4/750
BL (0°-30°)	1052.5	4.9	B3/2500		
BM (30°-60°)	1184.1	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°	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5
2.5°	6142.3	6134.0	6137.0	6131.0	6116.7	6102.4	6081.3	6085.1	6055.8	6012.1	5958.0
5°	6026.4	6023.4	6046.0	6058.8	6069.3	6061.0	6055.0	6062.5	6019.6	5959.5	5865.4
7.5°	5783.4	5750.3	5778.9	5821.8	5862.4	5893.3	5933.9	5939.2	5912.1	5848.9	5725.5
10°	5438.1	5406.5	5448.7	5515.6	5596.9	5670.6	5752.6	5767.6	5772.9	5715.7	5566.0
12.5°	5080.1	5056.0	5098.1	5192.2	5326.8	5440.4	5571.3	5593.9	5640.5	5602.1	5418.6
15°	4759.6	4750.6	4801.7	4894.3	5049.2	5223.0	5411.8	5453.2	5532.2	5519.4	5303.5
17.5°	4482.8	4480.5	4519.6	4616.7	4788.2	5007.8	5253.1	5323.0	5440.4	5455.4	5208.7
20°	4276.6	4272.1	4299.2	4370.7	4547.5	4796.5	5081.6	5177.9	5347.1	5399.8	5110.9
22.5°	4166.1	4165.3	4166.1	4199.9	4344.3	4576.0	4914.6	5031.9	5256.1	5355.4	5002.6
25°	4147.3	4145.0	4128.4	4124.7	4206.7	4391.7	4749.1	4878.5	5169.6	5324.5	4899.5
27.5°	4196.1	4199.2	4177.3	4142.0	4158.5	4270.6	4605.4	4743.8	5100.4	5318.5	4828.1
30°	4297.7	4296.2	4277.4	4240.5	4208.2	4225.5	4503.1	4641.5	5053.7	5344.9	4779.2
32.5°	4409.8	4418.1	4414.3	4394.0	4345.8	4276.6	4472.2	4607.6	5040.2	5408.1	4758.1
35°	4544.4	4553.5	4580.6	4596.4	4539.9	4428.6	4538.4	4655.8	5079.3	5526.9	4791.9
37.5°	4672.3	4695.7	4771.6	4838.6	4790.4	4666.3	4714.5	4798.0	5200.4	5714.2	4883.0
40°	4819.8	4840.1	4964.2	5106.4	5098.9	4970.2	4998.1	5053.7	5414.1	5982.8	5047.7
42.5°	4965.0	5005.6	5185.4	5387.0	5444.9	5331.3	5375.7	5405.0	5715.0	6338.6	5335.1
45°	5158.3	5201.9	5451.7	5694.7	5830.1	5766.1	5836.8	5848.1	6093.4	6823.1	5752.6
47.5°	5450.9	5500.6	5791.7	6046.7	6253.6	6260.4	6377.0	6372.5	6565.8	7377.5	6278.4
50°	5906.8	5978.3	6216.7	6455.2	6706.5	6846.4	7002.1	6980.3	7132.2	7968.0	6884.0
52.5°	6504.1	6537.2	6714.0	6890.0	7202.2	7515.9	7739.3	7719.8	7774.7	8575.1	7571.6
55°	7123.2	7148.0	7221.0	7317.3	7737.1	8248.6	8721.0	8690.2	8551.0	9205.5	8250.9
57.5°	7679.9	7730.3	7780.7	7820.6	8275.7	9014.4	9725.3	9727.6	9393.6	9885.5	8952.7
60°	7766.4	7810.8	8144.0	8458.5	9197.2	10036.0	10800.3	10777.7	10265.4	10623.5	9735.1
62.5°	6865.2	6965.2	7521.9	8358.4	10084.9	11904.6	12171.7	12143.9	11308.1	11533.0	10646.1
65°	4919.8	5033.4	5705.2	6962.2	9654.6	13963.6	14646.6	14272.0	12729.9	12651.6	11712.8
67.5°	2838.3	2865.4	3156.5	4166.1	7351.2	14071.2	18422.3	17897.9	14937.8	13920.7	12234.9
70°	2098.8	2098.1	2167.3	2563.7	3978.0	11484.1	20217.9	20688.1	17262.3	14338.2	11496.9
71°	1898.0	1900.2	1977.7	2333.5	3150.5	9612.5	19836.5	20865.6	17874.6	14132.1	10962.8
72.5°	1623.4	1630.9	1738.5	2092.8	2650.2	6629.0	18193.6	19800.4	18165.0	13623.6	10127.0
75°	1231.5	1248.8	1397.7	1764.1	2422.3	3361.9	13352.7	15811.2	16136.9	12021.2	7524.9
77.5°	878.6	898.2	1066.7	1483.5	2302.7	2533.6	8942.2	11533.0	11875.3	7704.0	3394.2
80°	555.2	578.5	705.6	1180.3	2163.5	2405.8	5619.4	7752.1	6475.5	2465.2	863.6
82.5°	325.7	343.8	437.8	771.1	1767.1	2317.0	3306.2	4297.0	2520.1	744.7	392.7
85°	188.8	197.1	273.1	491.2	1283.4	2186.8	2429.1	2402.0	1093.8	364.1	185.8
87.5°	88.0	97.8	161.7	256.5	712.4	1585.0	1919.8	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°	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5
2.5°	5931.6	5918.8	5865.4	5818.0	5768.4	5703.7	5632.2	5623.2	5579.6	5587.8	5572.8
5°	5814.3	5781.9	5653.3	5536.7	5399.0	5275.7	5141.7	5080.1	4991.3	4985.3	4962.7
7.5°	5646.5	5586.3	5387.0	5165.8	4944.7	4734.0	4525.6	4388.7	4248.8	4189.4	4184.1
10°	5457.7	5355.4	5062.0	4734.8	4415.8	4108.1	3810.2	3589.8	3391.2	3297.2	3293.4
12.5°	5278.7	5127.5	4725.0	4279.6	3843.3	3444.6	3036.2	2746.5	2497.5	2414.0	2378.7
15°	5126.7	4913.8	4397.0	3827.5	3297.9	2744.3	2279.4	1974.7	1744.5	1664.8	1649.7
17.5°	4979.3	4705.4	4060.7	3370.9	2730.7	2122.1	1656.5	1430.1	1307.4	1275.1	1274.3
20°	4832.6	4491.0	3709.4	2903.8	2182.3	1587.3	1273.6	1172.0	1130.7	1126.9	1120.9
22.5°	4666.3	4263.9	3340.1	2435.1	1703.1	1248.0	1082.5	1041.9	1036.6	1050.2	1050.2
25°	4510.6	4038.2	2965.4	1976.2	1324.7	1041.1	966.7	958.4	972.7	996.8	999.0
27.5°	4365.4	3820.8	2599.8	1568.5	1061.4	917.0	886.2	896.0	921.5	949.4	950.1
30°	4245.8	3615.4	2244.8	1236.0	896.7	824.5	819.2	838.8	866.6	888.4	893.7
32.5°	4153.3	3440.1	1901.7	993.7	789.1	755.3	759.8	776.3	793.6	805.7	814.0
35°	4110.4	3289.7	1585.0	838.0	720.7	701.9	707.9	716.9	724.4	733.5	740.2
37.5°	4117.9	3173.1	1302.2	741.0	674.8	665.0	665.0	665.0	665.0	669.5	670.3
40°	4187.9	3106.1	1072.0	679.3	643.9	633.4	625.1	617.6	611.6	614.6	613.1
42.5°	4366.9	3100.1	903.5	640.2	619.1	601.8	585.3	574.7	567.2	570.2	571.7
45°	4670.8	3175.3	789.9	612.3	595.8	569.5	548.4	537.1	531.9	541.6	543.1
47.5°	5064.3	3339.3	720.7	592.0	574.0	539.4	516.8	506.3	507.8	522.1	525.8
50°	5571.3	3605.6	687.6	579.2	558.9	513.8	490.5	481.5	486.0	506.3	510.8
52.5°	6128.0	3989.3	691.3	575.5	549.2	495.0	470.2	459.6	467.2	486.0	489.7
55°	6770.4	4450.4	753.8	580.8	534.9	483.0	453.6	435.6	441.6	458.9	461.9
57.5°	7484.3	4978.5	879.4	579.2	516.8	471.7	436.3	409.2	413.7	424.3	427.3
60°	8227.5	5616.4	1074.2	583.8	508.5	458.1	413.0	379.1	377.6	386.7	388.2
62.5°	9119.7	6354.4	1296.9	586.8	513.8	440.8	382.2	349.1	344.5	346.8	348.3
65°	10039.0	6888.5	1213.4	574.7	530.3	426.5	355.1	319.7	311.4	309.9	310.7
67.5°	10067.6	6316.0	850.8	550.7	537.1	419.0	334.8	294.9	281.3	276.1	275.3
70°	9028.7	5131.2	662.7	525.1	510.0	407.0	316.0	274.6	254.3	246.0	245.2
71°	8521.7	4723.5	628.1	512.3	489.7	394.9	307.7	265.6	244.5	235.5	234.0
72.5°	7726.5	4234.5	586.0	492.0	450.6	364.1	291.9	252.8	230.9	220.4	218.2
75°	5545.0	2769.1	503.3	438.6	373.1	290.4	255.8	227.2	208.4	195.6	194.1
77.5°	2136.4	1102.1	380.6	364.8	285.9	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	282.9	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)