

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: P319950

Luminaire Tested: **GAN-SA6A-730-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24120 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

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

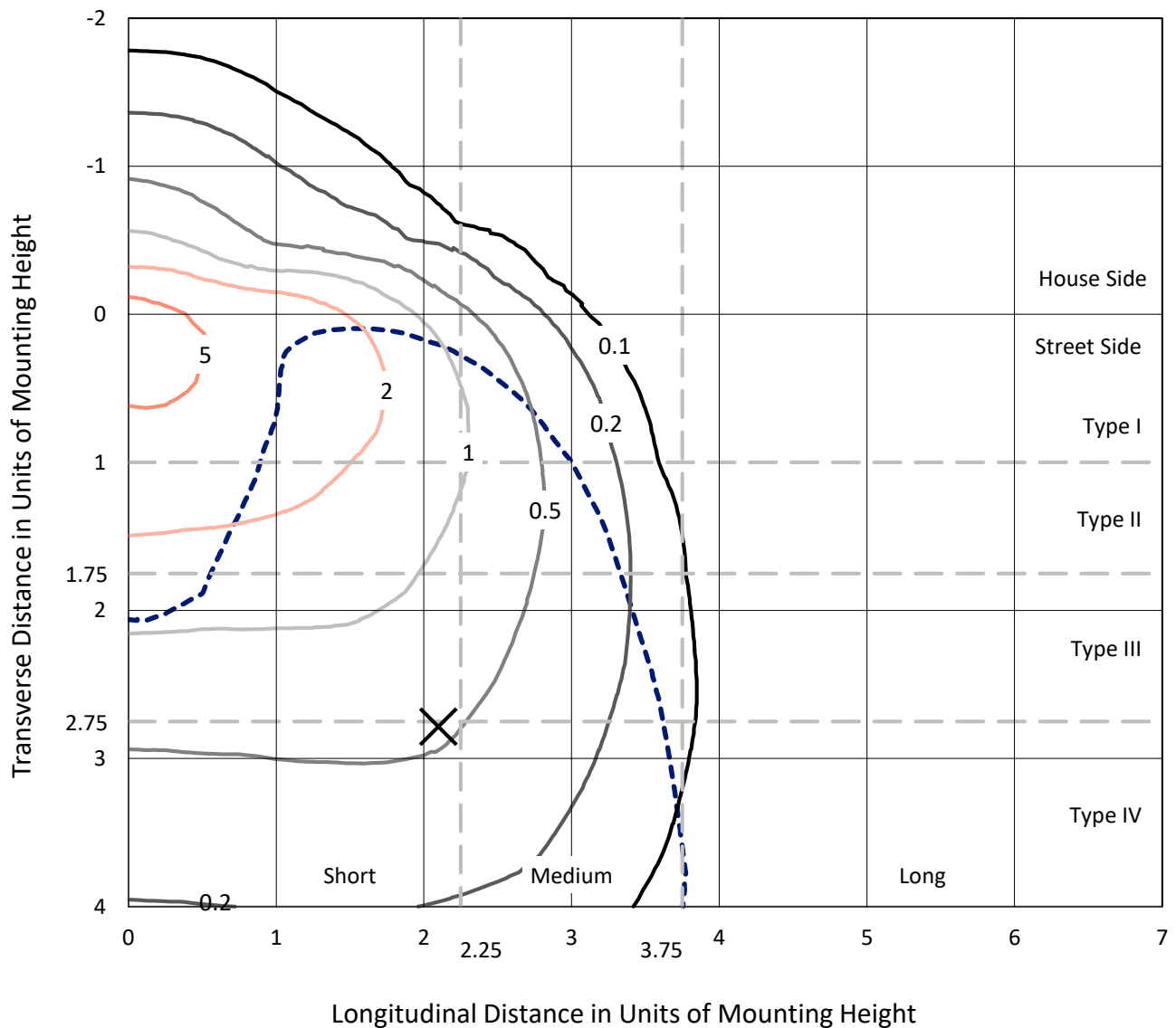




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Iso-Footcandle Lines of Horizontal Illumination

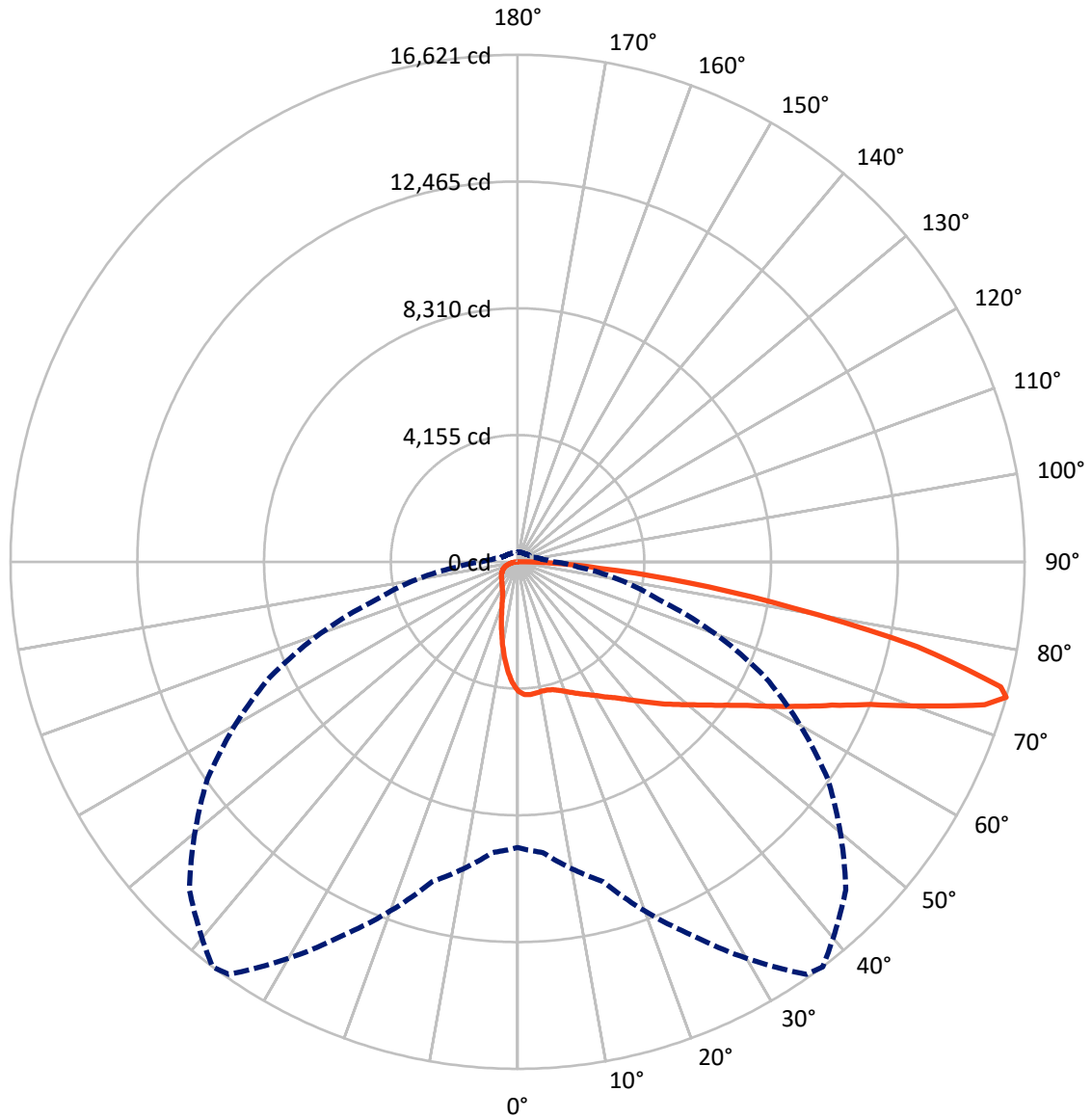
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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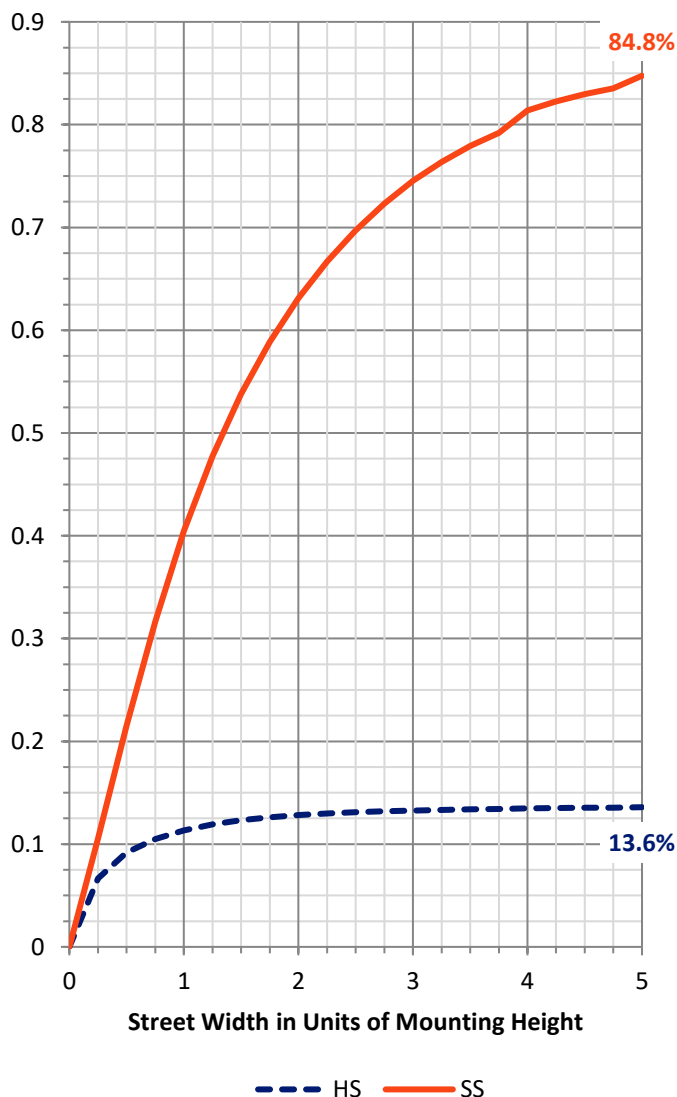
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3318.8	0.0	3318.8
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	20801.3	0.0	20801.3
	% Fixture	86.2	0.0	86.2
Total	Lumens	24120.0	0.0	24120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.2	1.6
10°-20°	959.3	4.0
20°-30°	1478.1	6.1
30°-40°	2149.4	8.9
40°-50°	3163.5	13.1
50°-60°	4442.5	18.4
60°-70°	5622.9	23.3
70°-80°	4951.2	20.5
80°-90°	979.0	4.1
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°	24120.0	100.0
0°-180°	24120.0	100.0

Coefficient of Utilization



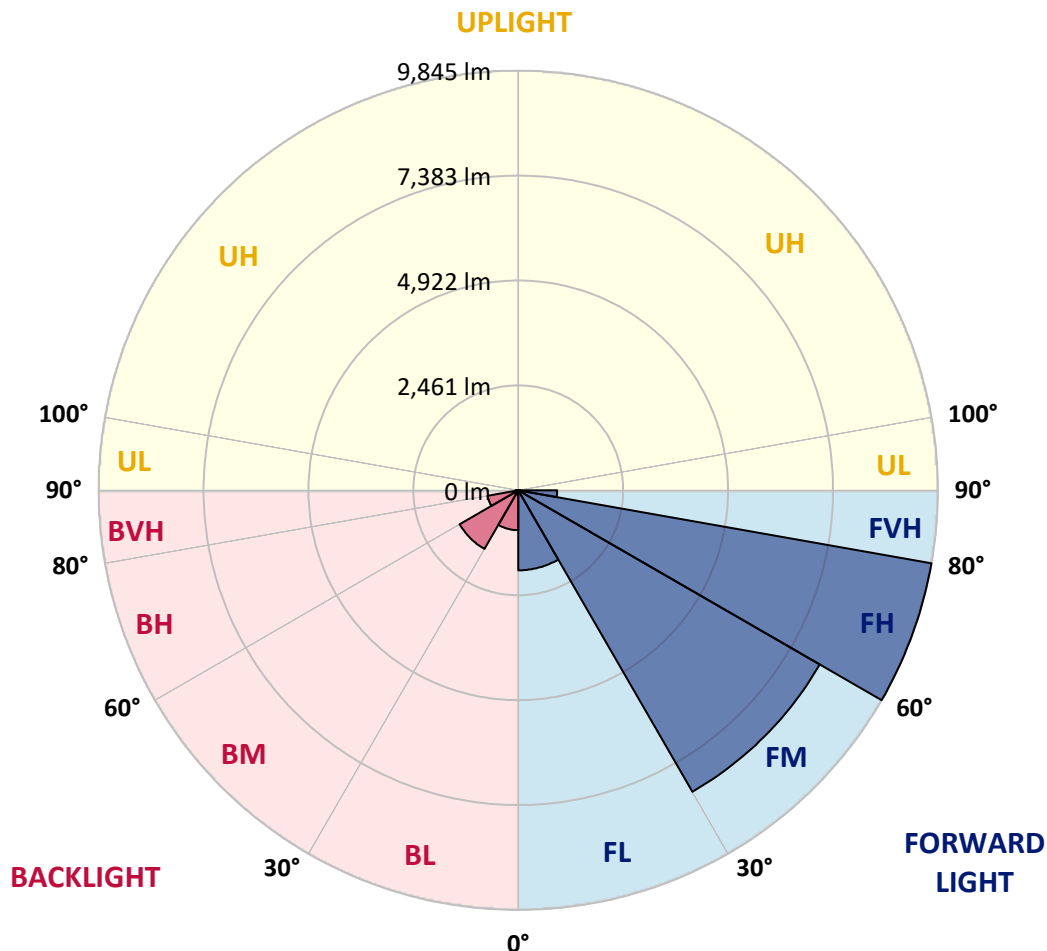
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1876.8	7.8			
FM (30°-60°)	8167.2	33.9			
FH (60°-80°)	9844.5	40.8			G4/12000
FVH (80°-90°)	912.7	3.8			G5
BL (0°-30°)	934.8	3.9	B2/1000		
BM (30°-60°)	1588.2	6.6	B2/2500		
BH (60°-80°)	729.5	3.0	B2/1000		G2/1000
BVH (80°-90°)	66.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9
2.5°	4395.1	4396.0	4395.1	4388.3	4372.2	4358.6	4347.6	4331.4	4295.7	4268.5	4227.8
5°	4436.8	4431.7	4428.3	4415.5	4390.0	4374.7	4353.5	4322.9	4264.3	4209.9	4143.6
7.5°	4417.2	4411.3	4403.6	4388.3	4359.5	4346.7	4317.0	4277.0	4206.5	4135.2	4040.0
10°	4356.9	4355.2	4351.8	4348.4	4323.8	4313.6	4286.4	4243.9	4174.2	4087.6	3976.3
12.5°	4289.8	4294.0	4307.6	4325.5	4314.4	4309.3	4292.3	4263.4	4192.1	4098.6	3964.4
15°	4247.3	4259.2	4295.7	4342.5	4351.8	4350.1	4345.9	4327.2	4251.5	4147.9	3991.6
17.5°	4232.9	4252.4	4322.1	4399.4	4426.6	4432.5	4434.2	4401.9	4317.8	4208.2	4019.6
20°	4259.2	4283.8	4385.8	4492.0	4535.3	4538.7	4531.1	4475.0	4380.7	4260.0	4034.9
22.5°	4339.1	4361.2	4488.6	4608.4	4657.7	4662.8	4639.8	4554.9	4447.0	4321.2	4056.1
25°	4492.8	4520.0	4647.5	4767.3	4792.8	4793.6	4760.5	4655.1	4533.6	4407.0	4102.0
27.5°	4693.4	4720.5	4835.2	4952.5	4938.9	4931.3	4886.2	4780.9	4646.6	4525.1	4183.6
30°	4916.8	4946.5	5055.3	5138.6	5106.3	5091.0	5054.5	4918.5	4803.8	4686.6	4308.5
32.5°	5147.9	5175.1	5270.3	5327.2	5286.4	5279.6	5224.4	5100.3	5008.6	4933.0	4510.7
35°	5385.0	5404.5	5498.0	5530.2	5475.9	5474.2	5458.9	5345.0	5287.2	5322.9	4804.7
37.5°	5627.1	5632.2	5712.1	5713.8	5697.6	5704.4	5720.6	5649.2	5665.3	5776.6	5187.0
40°	5842.9	5856.5	5914.3	5932.1	5960.2	5983.9	6064.7	6017.9	6142.8	6339.9	5662.8
42.5°	6002.6	6029.0	6121.6	6167.5	6258.4	6295.8	6409.6	6452.9	6704.4	7000.1	6228.6
45°	6137.7	6178.5	6327.2	6421.5	6575.3	6640.7	6803.8	6949.1	7339.1	7716.3	6824.2
47.5°	6283.9	6335.7	6521.8	6701.9	6910.9	6984.8	7281.3	7498.8	8016.3	8436.8	7385.8
50°	6498.8	6538.8	6720.6	7003.5	7264.3	7359.5	7769.9	8081.7	8704.5	9123.3	7872.7
52.5°	6798.7	6783.4	6937.2	7334.0	7684.1	7801.3	8291.5	8701.9	9402.0	9744.4	8283.9
55°	7100.4	7074.9	7182.8	7679.8	8173.4	8296.6	8865.9	9324.7	10065.6	10303.5	8599.1
57.5°	7436.0	7387.5	7478.4	8069.8	8730.8	8877.8	9509.1	9986.6	10718.1	10755.5	8799.6
60°	7781.8	7716.3	7818.3	8553.2	9438.5	9611.9	10261.8	10632.3	11333.2	11117.4	8864.2
62.5°	8084.2	8038.4	8195.5	9092.7	10236.3	10426.7	11001.0	11318.8	11939.9	11267.8	8631.4
65°	8348.5	8356.1	8628.0	9699.4	11125.9	11329.0	11848.9	12165.0	12417.3	11178.6	8086.8
67.5°	8663.7	8707.0	9170.9	10498.0	12245.7	12468.3	13082.6	13087.7	12684.1	10655.2	7014.5
70°	9123.3	9212.5	9917.7	11605.9	13837.9	14143.8	14617.9	13629.8	12309.4	9236.3	5519.2
72.5°	9531.2	9697.7	10712.1	12873.6	15778.5	16010.4	15515.9	13317.1	10743.6	6921.9	3438.5
74°	9365.5	9571.9	10856.6	13498.1	16509.2	16620.5	15212.6	12404.6	8957.7	4793.6	1998.3
75°	9008.6	9232.9	10645.9	13492.1	16416.6	16354.5	14480.2	11362.1	7377.3	3269.4	1329.7
77.5°	7270.3	7507.3	8970.4	11563.5	13460.7	13402.1	11123.4	7622.0	3231.1	1072.2	675.5
80°	4226.9	4407.9	5568.5	7343.4	9076.6	9182.8	7315.3	3771.5	1271.0	602.4	458.0
82.5°	1877.7	2002.6	2689.9	3748.6	5477.6	5614.4	3831.0	1976.2	785.1	366.2	275.3
85°	1232.0	1324.6	1633.0	1785.1	2608.4	2701.8	1875.1	1538.7	518.3	201.4	202.2
87.5°	886.2	975.4	1213.3	1059.5	1197.1	1133.4	1020.4	1424.0	208.2	114.7	68.0
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°	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9	4249.9
2.5°	4209.9	4196.3	4165.7	4108.0	4075.7	4048.5	4003.5	3977.1	3965.2	3964.4	3969.5
5°	4105.4	4074.0	3995.0	3898.1	3820.8	3750.3	3662.8	3610.1	3572.7	3550.6	3556.6
7.5°	3983.9	3934.6	3810.6	3656.0	3531.9	3395.1	3260.0	3179.3	3116.4	3069.7	3078.2
10°	3900.7	3832.7	3651.7	3429.1	3222.6	3023.8	2837.8	2726.5	2638.1	2570.1	2575.2
12.5°	3872.6	3780.9	3530.2	3232.8	2943.1	2671.2	2428.2	2257.5	2166.6	2089.2	2095.2
15°	3876.9	3753.7	3428.3	3056.1	2691.6	2349.2	2054.4	1854.7	1731.5	1678.0	1678.9
17.5°	3880.3	3722.2	3321.2	2866.7	2442.7	2048.5	1728.1	1525.9	1409.5	1360.3	1361.1
20°	3869.2	3671.3	3188.7	2649.1	2182.7	1772.3	1462.2	1290.6	1202.2	1164.0	1164.0
22.5°	3854.8	3610.9	3039.1	2430.8	1926.1	1532.7	1271.9	1141.1	1090.1	1064.6	1063.7
25°	3861.6	3565.9	2886.2	2206.5	1689.9	1341.6	1145.3	1058.6	1024.7	1008.5	1007.7
27.5°	3898.1	3544.7	2745.2	1983.0	1483.5	1198.0	1060.3	999.2	977.1	966.9	966.9
30°	3964.4	3544.7	2598.2	1792.7	1311.8	1091.8	994.9	953.3	938.0	931.2	931.2
32.5°	4079.9	3564.2	2456.3	1604.1	1175.0	1008.5	940.5	912.5	900.6	897.2	897.2
35°	4278.7	3630.5	2317.8	1425.7	1064.6	940.5	888.7	872.6	864.1	863.2	865.8
37.5°	4558.3	3765.6	2187.8	1294.0	986.4	885.3	845.4	832.6	827.5	831.8	835.2
40°	4910.0	3949.1	2069.7	1175.0	926.9	841.1	805.4	797.0	794.4	800.4	805.4
42.5°	5334.8	4197.2	1972.8	1089.2	881.1	803.8	771.5	761.3	758.7	765.5	772.3
45°	5794.5	4464.0	1904.9	1025.5	845.4	775.7	741.7	730.7	725.6	729.0	736.6
47.5°	6212.5	4716.3	1877.7	980.5	811.4	751.9	715.4	701.8	693.3	691.6	697.5
50°	6565.1	4904.1	1890.4	953.3	784.2	725.6	689.9	674.6	661.9	654.2	658.5
52.5°	6821.7	5022.2	1902.3	941.4	763.0	696.7	661.9	647.4	630.4	617.7	617.7
55°	7007.8	5049.4	1876.0	932.0	746.8	665.3	630.4	616.8	599.8	585.4	583.7
57.5°	7080.8	4972.9	1778.3	918.5	735.8	635.5	597.3	587.1	572.7	555.7	554.8
60°	6982.3	4736.7	1589.7	889.6	721.3	610.9	564.2	557.4	550.6	534.4	533.6
62.5°	6586.3	4218.4	1345.8	830.9	692.4	584.5	533.6	537.0	537.8	526.8	525.1
65°	5868.4	3506.4	1107.9	754.5	649.1	553.1	502.1	518.3	527.6	525.9	523.4
67.5°	4825.1	2729.0	938.8	673.8	592.2	509.8	468.1	486.8	494.5	500.4	498.7
70°	3581.2	1924.4	776.6	588.8	523.4	458.8	424.0	433.3	428.2	435.0	437.6
72.5°	1996.6	1154.6	633.0	503.8	452.0	399.3	374.7	373.0	361.9	361.9	361.9
74°	1198.0	847.1	556.5	451.2	408.7	360.2	339.0	331.4	321.2	322.0	321.2
75°	963.5	728.1	510.6	416.3	378.1	337.3	316.1	305.9	298.2	298.2	297.4
77.5°	608.3	553.1	411.2	331.4	302.5	277.8	263.4	249.8	249.8	248.9	248.1
80°	459.6	440.1	320.3	250.6	231.9	213.3	203.9	198.0	198.0	200.5	199.7
82.5°	315.2	331.4	225.2	175.0	165.7	152.1	150.4	151.2	148.7	145.3	144.4
85°	230.2	248.9	152.1	110.5	101.1	92.6	99.4	102.8	98.6	90.9	87.5
87.5°	88.4	163.1	81.6	45.9	42.5	36.5	42.5	44.2	47.6	37.4	38.2
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)