

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: P319080

Luminaire Tested: **GAN-SA6B-750-U-T4W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-750-U-T4W  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33939 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

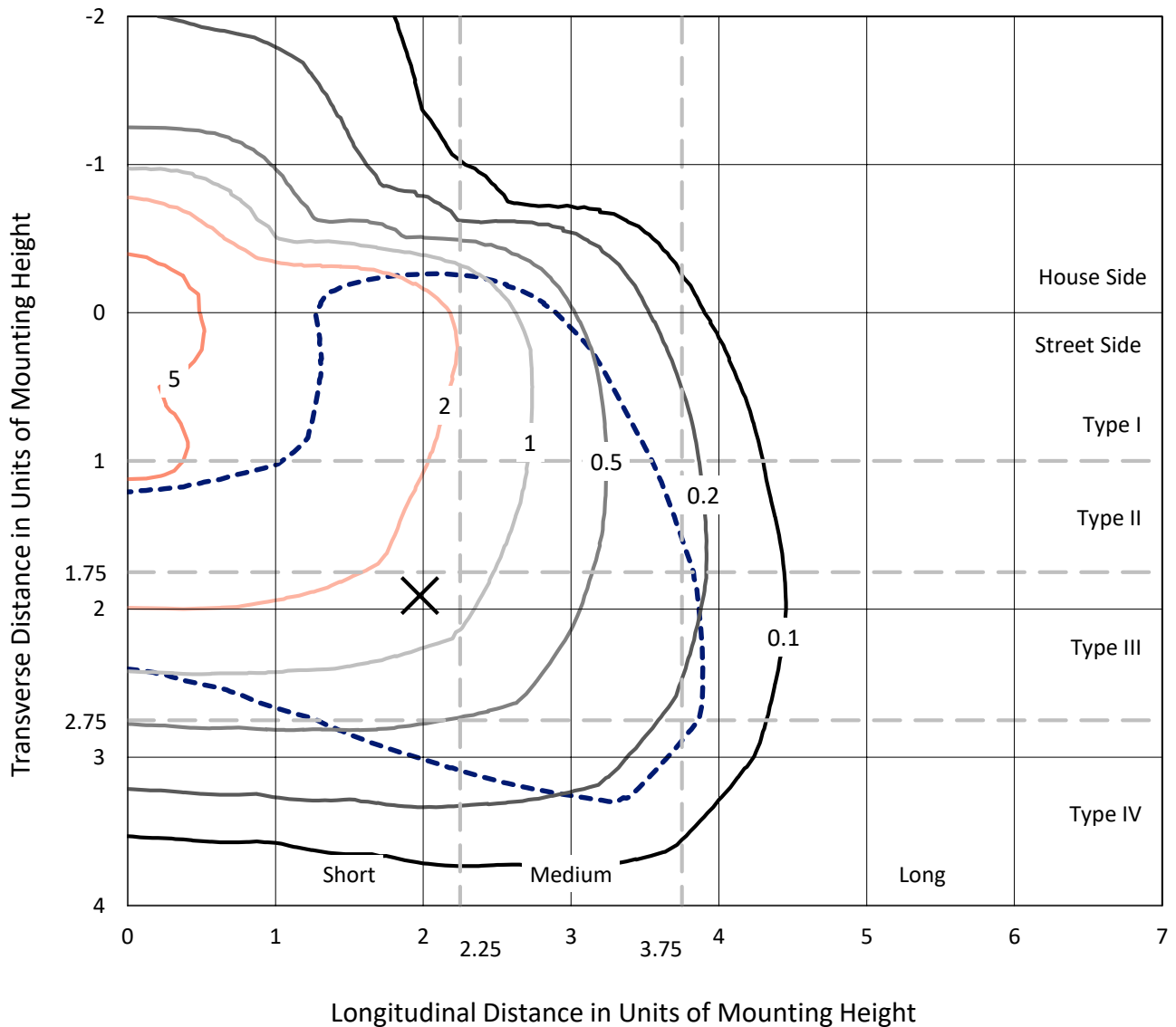
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

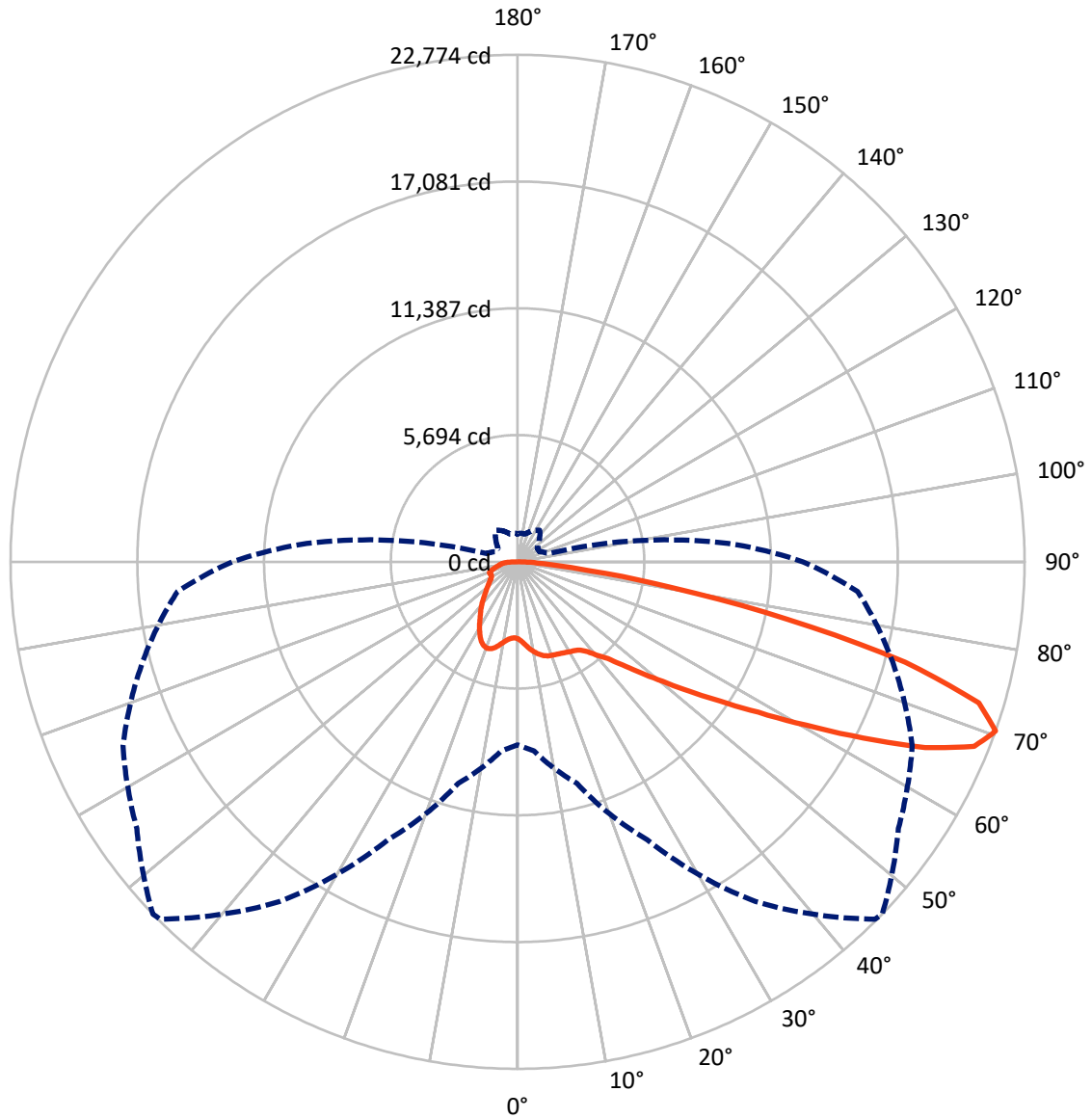
✕ Max cd  
 - - - 1/2 Max cd



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 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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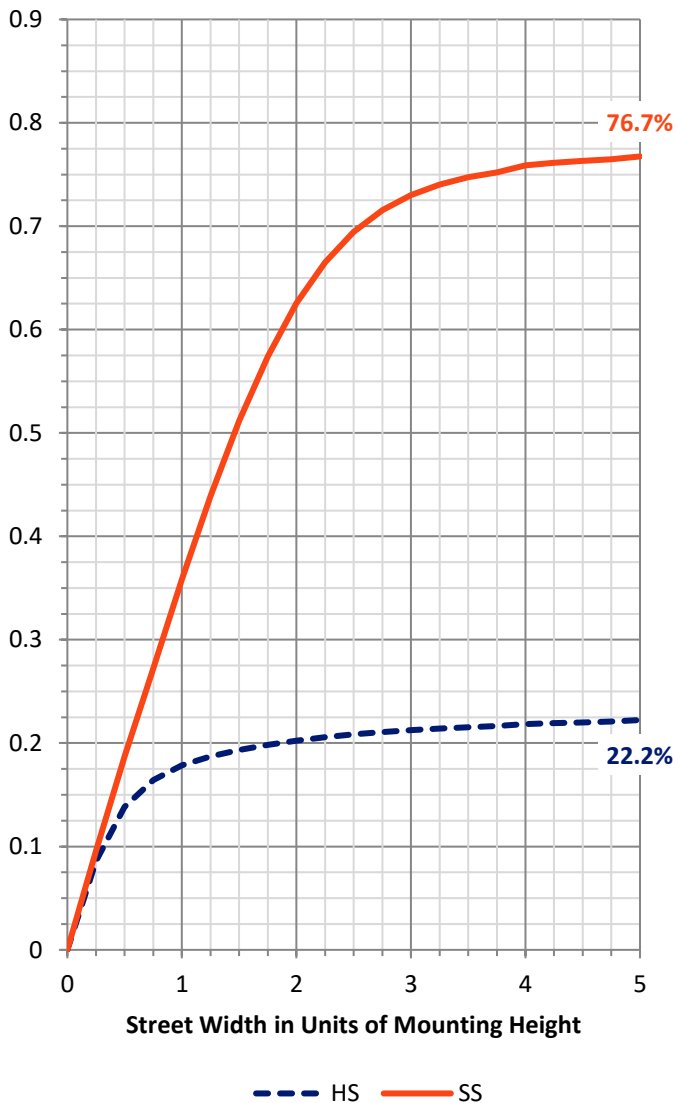
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7778.7	0.0	7778.7
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	26160.3	0.0	26160.3
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	33939.0	0.0	33939.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.5	1.0
10°-20°	1174.4	3.5
20°-30°	1958.2	5.8
30°-40°	2778.7	8.2
40°-50°	4087.4	12.0
50°-60°	6922.0	20.4
60°-70°	9825.6	29.0
70°-80°	5969.1	17.6
80°-90°	871.1	2.6
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°	33939.0	100.0
0°-180°	33939.0	100.0



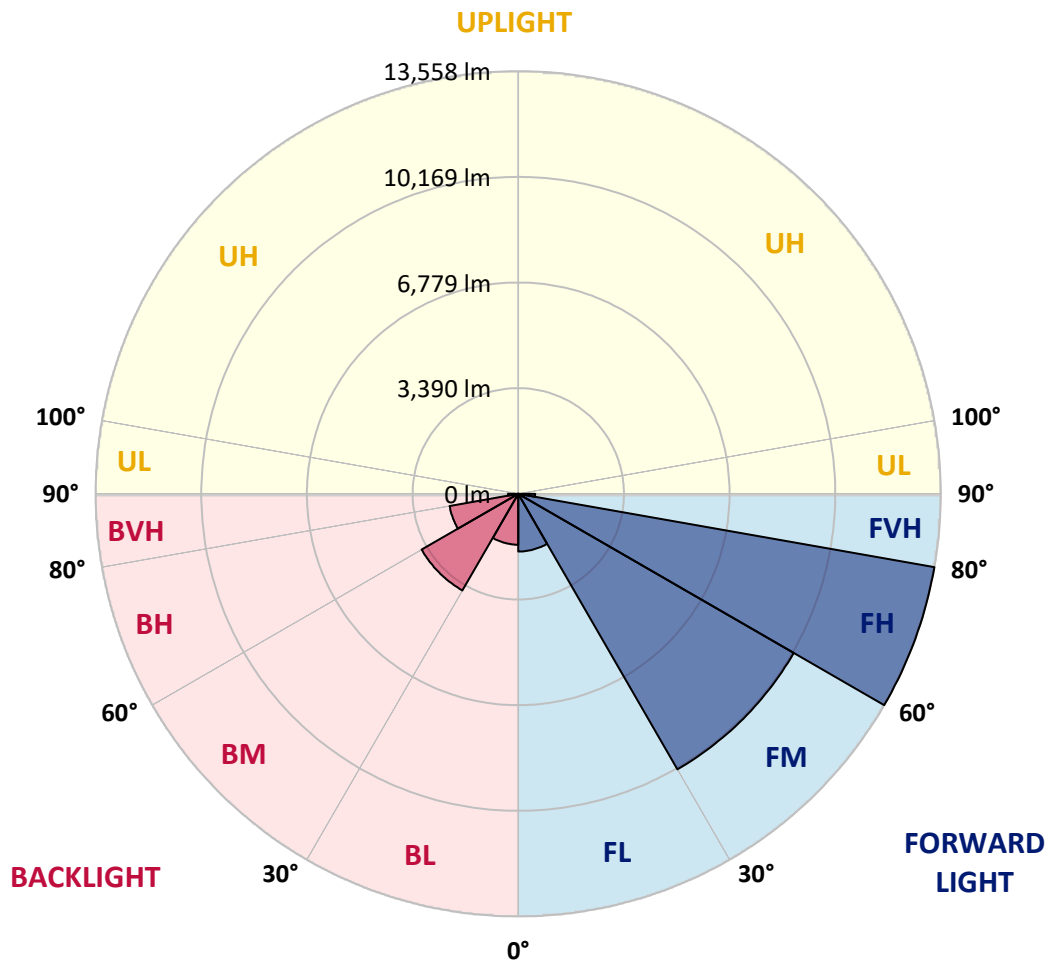
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1851.9	5.5			
FM (30°-60°)	10207.3	30.1			
FH (60°-80°)	13558.4	39.9			G5
FVH (80°-90°)	542.6	1.6			G4/750
BL (0°-30°)	1633.2	4.8	B3/2500		
BM (30°-60°)	3580.8	10.6	B3/5000		
BH (60°-80°)	2236.3	6.6	B3/2500		G3/2500
BVH (80°-90°)	328.5	1.0			G3/500
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°	35°	45°	46°	55°	65°	75°	85°
0°	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7
2.5°	3630.8	3633.1	3637.7	3626.1	3593.6	3584.3	3580.8	3547.2	3525.1	3492.6	3464.7
5°	3921.1	3923.5	3916.5	3884.0	3812.0	3758.5	3753.9	3677.2	3607.6	3533.2	3477.5
7.5°	4224.3	4227.8	4205.7	4144.2	4043.1	3950.2	3944.4	3839.8	3734.2	3621.5	3537.9
10°	4492.6	4478.7	4442.7	4356.7	4237.1	4123.2	4118.6	4009.4	3887.5	3751.6	3640.1
12.5°	4671.5	4659.8	4613.4	4508.9	4377.6	4273.1	4263.8	4162.7	4044.3	3895.6	3762.0
15°	4770.2	4778.3	4715.6	4597.1	4469.4	4381.1	4373.0	4301.0	4195.3	4045.4	3892.1
17.5°	4783.0	4789.9	4729.5	4612.2	4507.7	4447.3	4443.8	4396.2	4319.5	4175.5	4015.2
20°	4708.6	4713.3	4663.3	4566.9	4498.4	4479.8	4478.7	4457.8	4400.8	4273.1	4117.4
22.5°	4600.6	4604.1	4568.1	4498.4	4475.2	4504.2	4512.3	4504.2	4463.6	4343.9	4197.6
25°	4573.9	4571.6	4534.4	4463.6	4483.3	4544.9	4555.3	4558.8	4530.9	4426.4	4299.8
27.5°	4702.8	4694.7	4623.8	4510.0	4522.8	4597.1	4611.1	4644.8	4627.3	4535.6	4415.9
30°	5075.7	5061.7	4916.5	4686.6	4623.8	4662.2	4679.6	4733.0	4736.5	4659.8	4570.4
32.5°	5705.2	5687.8	5427.6	5016.4	4794.6	4728.4	4744.6	4824.8	4867.8	4808.5	4712.1
35°	6500.8	6481.0	6139.6	5577.4	5080.3	4855.0	4866.6	4930.5	5016.4	4932.8	4805.0
37.5°	7330.1	7282.5	6953.8	6237.1	5534.4	5125.6	5125.6	5133.7	5174.4	5000.2	4914.2
40°	8154.7	8107.1	7809.8	7013.0	6122.2	5551.9	5525.2	5345.1	5312.6	5162.8	5133.7
42.5°	8921.3	8907.4	8732.0	7889.9	6812.1	5971.2	5934.0	5628.5	5635.5	5542.6	5543.7
45°	9736.7	9736.7	9593.8	8775.0	7615.8	6644.8	6607.6	6158.2	6227.8	6184.9	6288.2
47.5°	10402.2	10423.1	10403.4	9697.2	8550.8	7500.8	7433.5	6892.2	7087.3	7234.8	7535.7
50°	11081.7	11114.2	11117.7	10708.8	9680.9	8518.3	8441.6	7866.7	8302.2	8725.0	9316.2
52.5°	12067.8	12140.9	11849.4	11718.2	11065.4	9726.2	9650.7	9119.9	9847.0	10440.5	11459.1
55°	12981.8	12918.0	12710.1	12791.4	12547.4	11101.4	11044.5	10578.7	11568.3	12339.5	13662.5
57.5°	13476.6	13472.0	13681.0	14029.5	14145.6	12797.2	12749.5	12296.6	13509.1	14088.7	15731.1
60°	14057.4	14065.5	14583.5	15374.5	15853.0	14908.7	14887.8	14544.0	15394.2	15721.8	17353.6
62.5°	14138.7	14285.0	15177.0	16538.3	17451.2	17375.7	17422.2	16568.5	17080.7	17024.9	18565.1
65°	13203.7	13396.5	15010.9	16890.2	19040.1	20073.8	20116.8	18604.6	18410.6	18138.8	18998.3
67.5°	11287.2	11573.0	13326.8	16124.8	19563.9	22068.1	22128.5	20183.0	19514.0	18516.3	17955.3
70°	8214.0	8531.1	10296.5	13771.6	18630.1	22705.7	22774.3	20881.1	19555.8	17441.9	15328.0
72.5°	4961.8	5210.4	6665.7	10138.5	15724.1	21544.3	21666.2	19996.0	17854.2	14774.0	11318.6
75°	2178.9	2341.5	3223.1	5842.2	11257.0	17825.2	17977.4	17115.5	14506.9	10736.7	6690.1
77.5°	928.0	974.5	1321.8	2537.8	6363.7	12180.4	12389.5	12505.6	9842.4	5842.2	2827.0
80°	578.4	597.0	748.0	1148.7	2978.0	6841.1	7066.4	7358.0	4887.5	2147.6	987.3
82.5°	351.9	372.8	497.1	694.6	1550.6	3101.1	3209.2	3414.7	1896.7	928.0	511.1
85°	211.4	226.5	304.3	439.0	882.7	1219.6	1218.4	1347.3	893.2	597.0	269.5
87.5°	101.0	112.7	162.6	227.6	444.8	457.6	428.6	485.5	542.4	391.4	135.9
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°	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7	3457.7
2.5°	3455.4	3450.8	3435.7	3424.0	3421.7	3414.7	3408.9	3412.4	3417.1	3418.2	3418.2
5°	3454.2	3441.5	3421.7	3413.6	3424.0	3438.0	3455.4	3478.6	3492.6	3503.0	3510.0
7.5°	3510.0	3485.6	3463.5	3458.9	3479.8	3517.0	3556.4	3605.2	3638.9	3662.1	3666.8
10°	3602.9	3572.7	3550.6	3555.3	3592.5	3645.9	3701.6	3764.3	3815.5	3846.8	3849.1
12.5°	3709.8	3680.7	3659.8	3679.6	3741.1	3806.2	3864.2	3918.8	3965.3	3996.6	3996.6
15°	3832.9	3812.0	3787.6	3832.9	3916.5	3974.6	3999.0	4025.7	4051.2	4074.5	4069.8
17.5°	3951.3	3931.6	3918.8	3972.3	4059.4	4086.1	4069.8	4050.1	4050.1	4062.8	4065.2
20°	4053.6	4036.1	4044.3	4096.5	4141.8	4114.0	4053.6	3990.8	3965.3	3972.3	3979.2
22.5°	4143.0	4134.9	4159.3	4183.6	4151.1	4053.6	3942.1	3857.3	3825.9	3823.6	3825.9
25°	4247.5	4246.4	4276.6	4232.4	4088.4	3908.4	3758.5	3676.1	3658.7	3672.6	3695.8
27.5°	4377.6	4390.4	4405.5	4244.0	3960.6	3688.9	3536.7	3479.8	3497.2	3530.9	3553.0
30°	4543.7	4578.5	4546.0	4215.0	3777.1	3438.0	3292.8	3276.5	3324.1	3371.8	3395.0
32.5°	4705.1	4759.7	4680.8	4139.5	3540.2	3172.0	3059.3	3054.7	3112.8	3159.2	3191.7
35°	4835.2	4943.3	4781.8	3989.7	3266.1	2926.9	2844.5	2813.1	2834.0	2888.6	2925.8
37.5°	5004.8	5184.8	4851.5	3760.9	2968.7	2724.8	2628.4	2556.4	2537.8	2559.9	2578.5
40°	5314.9	5553.0	4884.0	3441.5	2678.4	2522.7	2425.2	2319.5	2246.3	2192.9	2194.0
42.5°	5821.3	6032.7	4863.1	3053.5	2410.1	2325.3	2214.9	2093.0	1974.5	1853.7	1844.4
45°	6643.7	6745.9	4800.4	2642.4	2174.3	2118.5	2015.2	1893.2	1735.2	1598.2	1585.4
47.5°	7959.6	7733.1	4702.8	2283.5	1966.4	1943.2	1847.9	1707.4	1540.1	1429.8	1420.5
50°	9754.1	9158.3	4655.2	1997.7	1782.9	1789.8	1712.0	1563.3	1405.4	1324.1	1314.8
52.5°	11900.5	10818.0	4747.0	1777.1	1635.4	1659.8	1601.7	1462.3	1329.9	1266.0	1256.7
55°	14127.1	12537.0	4845.7	1616.8	1496.0	1543.6	1523.9	1408.9	1289.2	1230.0	1221.9
57.5°	16033.0	13820.4	4648.2	1486.7	1371.7	1446.0	1463.5	1375.2	1268.3	1214.9	1205.6
60°	17232.8	14337.3	4130.2	1364.7	1273.0	1368.2	1428.6	1365.9	1276.5	1271.8	1264.8
62.5°	17802.0	14292.0	3353.2	1268.3	1211.4	1334.5	1454.2	1418.2	1369.4	1411.2	1414.7
65°	17546.4	13609.0	2497.2	1204.5	1167.3	1347.3	1530.8	1516.9	1396.1	1437.9	1443.7
67.5°	15864.6	11979.5	1849.1	1148.7	1118.5	1383.3	1670.2	1549.4	1343.8	1374.0	1355.4
70°	12822.7	9497.4	1426.3	1086.0	1068.6	1378.7	1732.9	1529.7	1286.9	1293.9	1243.9
72.5°	8842.3	6476.4	1160.3	1027.9	996.5	1256.7	1688.8	1480.9	1239.3	1185.9	1119.7
75°	4808.5	3476.3	986.1	967.5	869.9	1103.4	1607.5	1446.0	1196.3	1125.5	1088.3
77.5°	1892.0	1442.6	856.0	885.0	760.8	974.5	1516.9	1379.8	1137.1	1044.2	1025.6
80°	772.4	736.4	709.7	765.4	653.9	852.5	1407.7	1302.0	1066.2	968.7	931.5
82.5°	437.9	457.6	551.7	604.0	530.8	785.2	1355.4	1239.3	981.4	867.6	823.5
85°	224.2	268.3	384.4	433.2	390.3	667.8	1248.6	1084.8	787.5	664.4	667.8
87.5°	108.0	149.8	242.7	271.8	253.2	483.2	932.7	786.3	613.3	485.5	470.4
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)