

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: P320004

Luminaire Tested: **GAN-SA0B-740-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320004  
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-SA0B-740-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 800mA 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: 53748 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

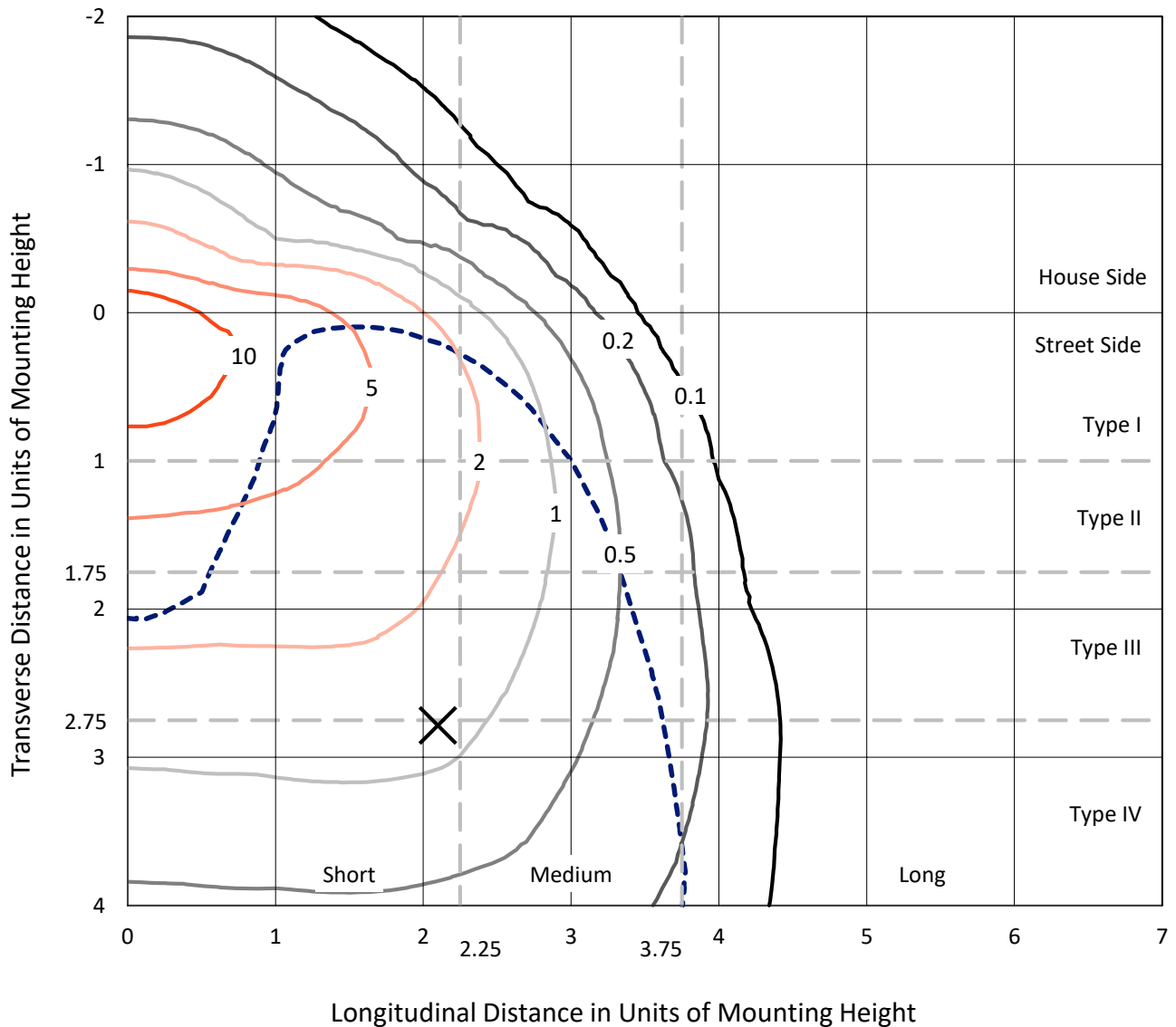
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

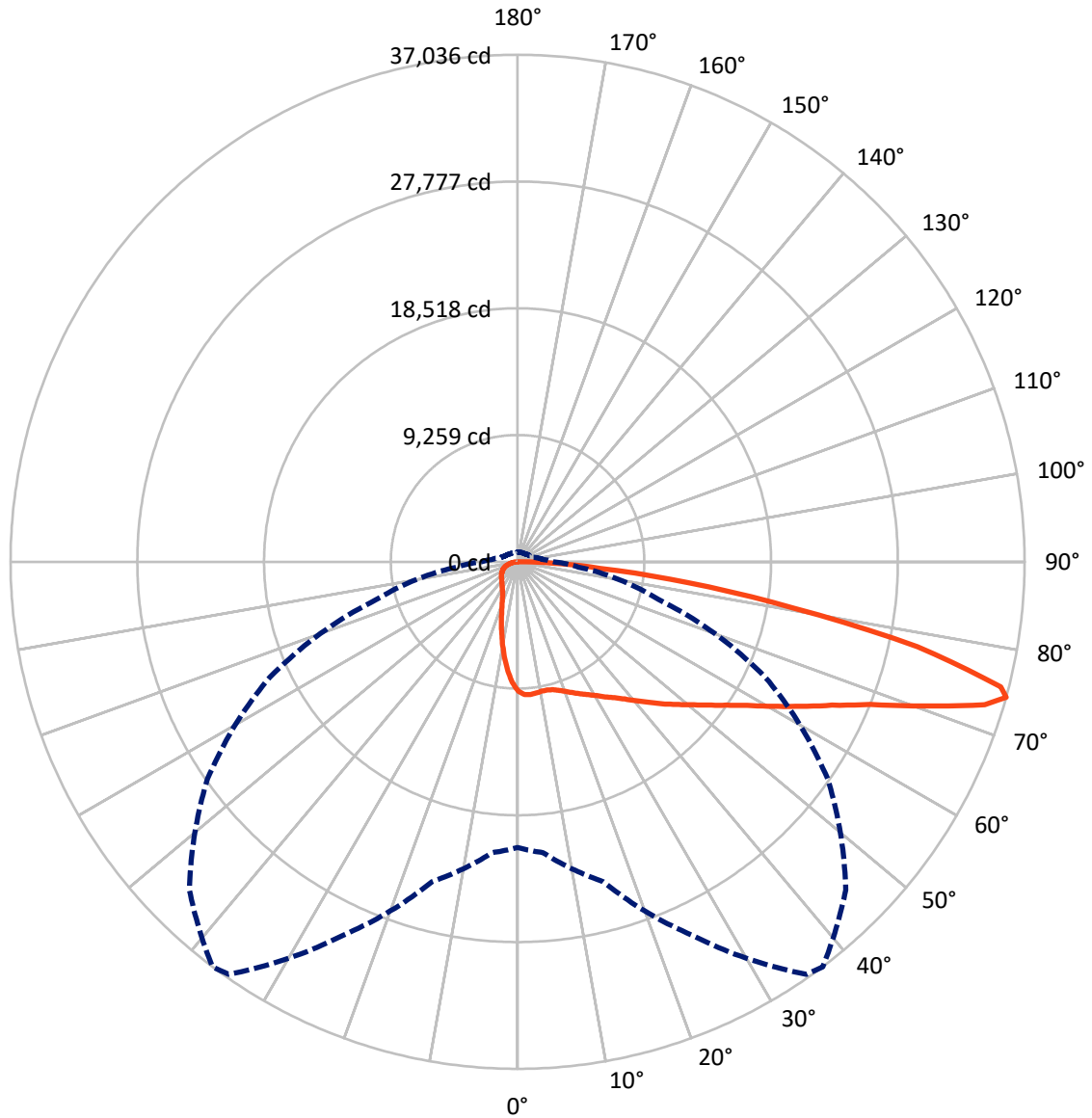
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 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
<b>House Side</b>	Lumens	7395.3	0.0	7395.3
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	46352.7	0.0	46352.7
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	53748.0	0.0	53748.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	834.0	1.6
10°-20°	2137.7	4.0
20°-30°	3293.7	6.1
30°-40°	4789.5	8.9
40°-50°	7049.4	13.1
50°-60°	9899.6	18.4
60°-70°	12529.8	23.3
70°-80°	11033.0	20.5
80°-90°	2181.5	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°	53748.0	100.0
0°-180°	53748.0	100.0

**Coefficient of Utilization**

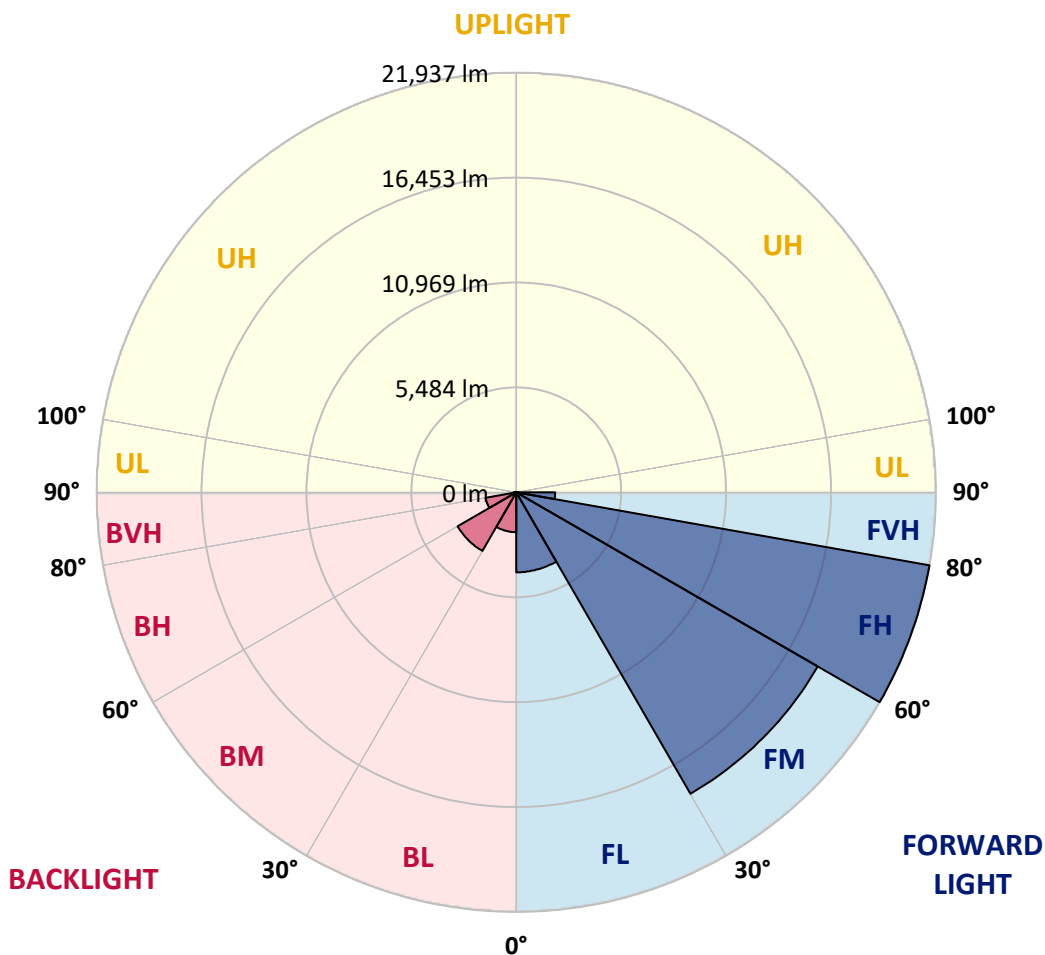


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4182.2	7.8			
FM (30°-60°)	18199.5	33.9			
FH (60°-80°)	21937.2	40.8			G5
FVH (80°-90°)	2033.7	3.8			G5
BL (0°-30°)	2083.1	3.9	B3/2500		
BM (30°-60°)	3539.0	6.6	B3/5000		
BH (60°-80°)	1625.6	3.0	B3/2500		G3/2500
BVH (80°-90°)	147.7	0.3			G2/225
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°	37°	45°	55°	65°	75°	85°
0°	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2
2.5°	9793.9	9795.8	9793.9	9778.8	9742.8	9712.5	9687.9	9651.9	9572.4	9511.8	9421.0
5°	9886.7	9875.4	9867.8	9839.4	9782.6	9748.5	9701.2	9633.0	9502.4	9381.2	9233.5
7.5°	9843.2	9829.9	9812.9	9778.8	9714.4	9686.0	9619.8	9530.8	9373.6	9214.6	9002.5
10°	9708.7	9705.0	9697.4	9689.8	9634.9	9612.2	9551.6	9456.9	9301.7	9108.6	8860.6
12.5°	9559.2	9568.6	9598.9	9638.7	9614.1	9602.7	9564.9	9500.5	9341.4	9133.2	8834.0
15°	9464.5	9491.0	9572.4	9676.6	9697.4	9693.6	9684.1	9642.5	9474.0	9243.0	8894.6
17.5°	9432.3	9475.9	9631.1	9803.4	9864.0	9877.2	9881.0	9809.1	9621.7	9377.4	8957.1
20°	9491.0	9545.9	9773.1	10009.8	10106.3	10113.9	10096.9	9971.9	9761.8	9492.9	8991.2
22.5°	9669.0	9718.2	10002.2	10269.2	10379.0	10390.3	10339.2	10149.9	9909.4	9629.2	9038.5
25°	10011.7	10072.3	10356.2	10623.2	10680.0	10681.9	10608.1	10373.3	10102.5	9820.4	9140.8
27.5°	10458.5	10519.1	10774.7	11035.9	11005.6	10988.6	10888.3	10653.5	10354.4	10083.6	9322.5
30°	10956.4	11022.7	11265.0	11450.6	11378.6	11344.5	11263.1	10960.2	10704.6	10443.3	9600.8
32.5°	11471.4	11532.0	11744.0	11870.9	11780.0	11764.8	11641.8	11365.4	11160.9	10992.4	10051.4
35°	11999.6	12043.2	12251.4	12323.4	12202.2	12198.4	12164.3	11910.6	11781.9	11861.4	10706.5
37.5°	12539.2	12550.6	12728.5	12732.3	12696.3	12711.5	12747.5	12588.4	12624.4	12872.4	11558.5
40°	13020.1	13050.4	13179.1	13218.9	13281.4	13334.4	13514.2	13410.1	13688.4	14127.7	12618.7
42.5°	13376.0	13434.7	13641.1	13743.3	13945.9	14029.2	14282.9	14379.5	14939.9	15598.7	13879.6
45°	13677.1	13767.9	14099.3	14309.4	14652.1	14797.9	15161.4	15485.1	16354.2	17194.8	15206.8
47.5°	14002.7	14118.2	14532.8	14934.2	15399.9	15564.7	16225.4	16710.1	17863.1	18800.3	16458.3
50°	14481.7	14570.7	14975.8	15606.3	16187.5	16399.6	17314.1	18008.9	19396.7	20330.0	17543.1
52.5°	15150.0	15116.0	15458.6	16342.8	17122.8	17384.1	18476.5	19391.0	20951.0	21714.0	18459.5
55°	15822.1	15765.3	16005.8	17113.4	18213.4	18487.9	19756.4	20778.8	22429.7	22959.8	19161.9
57.5°	16570.0	16462.1	16664.7	17982.4	19455.4	19782.9	21189.6	22253.6	23883.7	23967.0	19608.7
60°	17340.6	17194.8	17422.0	19059.7	21032.5	21418.7	22867.0	23692.5	25254.5	24773.6	19752.6
62.5°	18014.6	17912.3	18262.6	20261.9	22810.2	23234.3	24514.2	25222.3	26606.3	25108.7	19233.8
65°	18603.4	18620.4	19226.3	21613.7	24792.5	25245.0	26403.7	27108.0	27670.3	24909.9	18020.2
67.5°	19305.8	19402.3	20436.1	23393.4	27287.9	27783.9	29152.7	29164.1	28264.8	23743.6	15630.9
70°	20330.0	20528.8	22100.3	25862.2	30835.9	31517.4	32573.9	30372.0	27429.8	20581.9	12298.8
72.5°	21238.8	21609.9	23870.5	28687.0	35160.1	35677.0	34575.1	29675.3	23940.5	15424.6	7662.1
74°	20869.6	21329.7	24192.3	30078.5	36788.3	37036.4	33899.2	27641.9	19960.9	10681.9	4453.0
75°	20074.5	20574.3	23722.8	30065.3	36582.0	36443.8	32267.2	25318.8	16439.4	7285.3	2963.0
77.5°	16200.8	16729.0	19989.3	25767.5	29995.2	29864.6	24786.8	16984.6	7200.1	2389.3	1505.2
80°	9419.1	9822.3	12408.6	16363.6	20225.9	20462.6	16301.1	8404.3	2832.3	1342.3	1020.5
82.5°	4184.2	4462.5	5994.1	8353.2	12206.0	12510.8	8536.8	4403.8	1749.4	816.0	613.4
85°	2745.3	2951.6	3638.9	3977.8	5812.4	6020.6	4178.5	3428.7	1154.9	448.7	450.6
87.5°	1974.7	2173.5	2703.6	2360.9	2667.6	2525.6	2273.8	3173.1	463.9	255.6	151.5
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°	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2	9470.2
2.5°	9381.2	9350.9	9282.8	9154.0	9082.1	9021.5	8921.1	8862.4	8835.9	8834.0	8845.4
5°	9148.3	9078.3	8902.2	8686.4	8514.1	8356.9	8161.9	8044.5	7961.2	7912.0	7925.3
7.5°	8877.6	8767.8	8491.4	8146.8	7870.4	7565.5	7264.5	7084.7	6944.6	6840.4	6859.4
10°	8692.1	8540.6	8137.3	7641.3	7181.2	6738.2	6323.6	6075.5	5878.6	5727.2	5738.5
12.5°	8629.6	8425.1	7866.6	7203.9	6558.3	5952.5	5411.0	5030.4	4827.9	4655.6	4668.8
15°	8639.0	8364.5	7639.4	6810.1	5997.9	5234.9	4578.0	4133.0	3858.5	3739.2	3741.1
17.5°	8646.6	8294.5	7400.8	6387.9	5443.2	4564.7	3850.9	3400.3	3141.0	3031.1	3033.0
20°	8622.0	8180.9	7105.5	5903.2	4863.8	3949.4	3258.3	2875.9	2679.0	2593.8	2593.8
22.5°	8589.8	8046.4	6772.3	5416.7	4292.1	3415.5	2834.2	2542.7	2429.1	2372.3	2370.4
25°	8605.0	7946.1	6431.5	4916.8	3765.7	2989.5	2552.1	2359.0	2283.3	2247.3	2245.4
27.5°	8686.4	7898.8	6117.2	4418.9	3305.7	2669.5	2362.8	2226.5	2177.3	2154.6	2154.6
30°	8834.0	7898.8	5789.7	3994.8	2923.2	2432.9	2217.0	2124.3	2090.2	2075.0	2075.0
32.5°	9091.5	7942.3	5473.5	3574.5	2618.4	2247.3	2095.9	2033.4	2006.9	1999.3	1999.3
35°	9534.6	8090.0	5164.9	3176.9	2372.3	2095.9	1980.4	1944.4	1925.5	1923.6	1929.3
37.5°	10157.5	8391.0	4875.2	2883.5	2198.1	1972.8	1883.8	1855.4	1844.1	1853.5	1861.1
40°	10941.3	8800.0	4612.0	2618.4	2065.6	1874.3	1794.8	1775.9	1770.2	1783.5	1794.8
42.5°	11887.9	9352.8	4396.2	2427.2	1963.3	1791.0	1719.1	1696.4	1690.7	1705.8	1721.0
45°	12912.2	9947.3	4244.7	2285.2	1883.8	1728.6	1652.8	1628.2	1616.9	1624.4	1641.5
47.5°	13843.7	10509.6	4184.2	2184.8	1808.1	1675.6	1594.1	1563.8	1544.9	1541.1	1554.4
50°	14629.4	10928.0	4212.5	2124.3	1747.5	1616.9	1537.3	1503.3	1474.9	1457.8	1467.3
52.5°	15201.1	11191.2	4239.1	2097.8	1700.2	1552.5	1474.9	1442.7	1404.8	1376.4	1376.4
55°	15615.8	11251.8	4180.4	2076.9	1664.2	1482.4	1404.8	1374.5	1336.7	1304.5	1300.7
57.5°	15778.6	11081.4	3962.6	2046.6	1639.6	1416.2	1331.0	1308.3	1276.1	1238.2	1236.3
60°	15559.0	10555.0	3542.3	1982.3	1607.4	1361.3	1257.1	1242.0	1226.8	1190.9	1189.0
62.5°	14676.7	9400.1	2999.0	1851.6	1543.0	1302.6	1189.0	1196.6	1198.4	1173.8	1170.0
65°	13076.9	7813.6	2468.8	1681.2	1446.5	1232.5	1118.9	1154.9	1175.7	1171.9	1166.3
67.5°	10751.9	6081.2	2092.1	1501.4	1319.6	1136.0	1043.2	1084.8	1101.9	1115.1	1111.4
70°	7980.2	4288.3	1730.5	1312.0	1166.3	1022.4	944.7	965.6	954.2	969.4	975.0
72.5°	4449.2	2573.0	1410.5	1122.7	1007.2	889.8	834.9	831.2	806.5	806.5	806.5
74°	2669.5	1887.6	1240.1	1005.3	910.7	802.8	755.4	738.4	715.7	717.6	715.7
75°	2147.0	1622.5	1137.9	927.7	842.5	751.6	704.3	681.6	664.5	664.5	662.6
77.5°	1355.6	1232.5	916.3	738.4	674.0	619.1	586.9	556.6	556.6	554.7	552.8
80°	1024.3	980.7	713.8	558.5	516.9	475.2	454.4	441.1	441.1	446.8	444.9
82.5°	702.4	738.4	501.7	390.0	369.2	338.9	335.1	337.0	331.3	323.8	321.9
85°	513.1	554.7	338.9	246.1	225.3	206.4	221.5	229.1	219.6	202.6	195.0
87.5°	196.9	363.5	181.8	102.2	94.7	81.4	94.7	98.5	106.0	83.3	85.2
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)