

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: P319040

Luminaire Tested: **GAN-SA6B-740-U-T4W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319040  
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-740-U-T4W  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 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: 33940 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

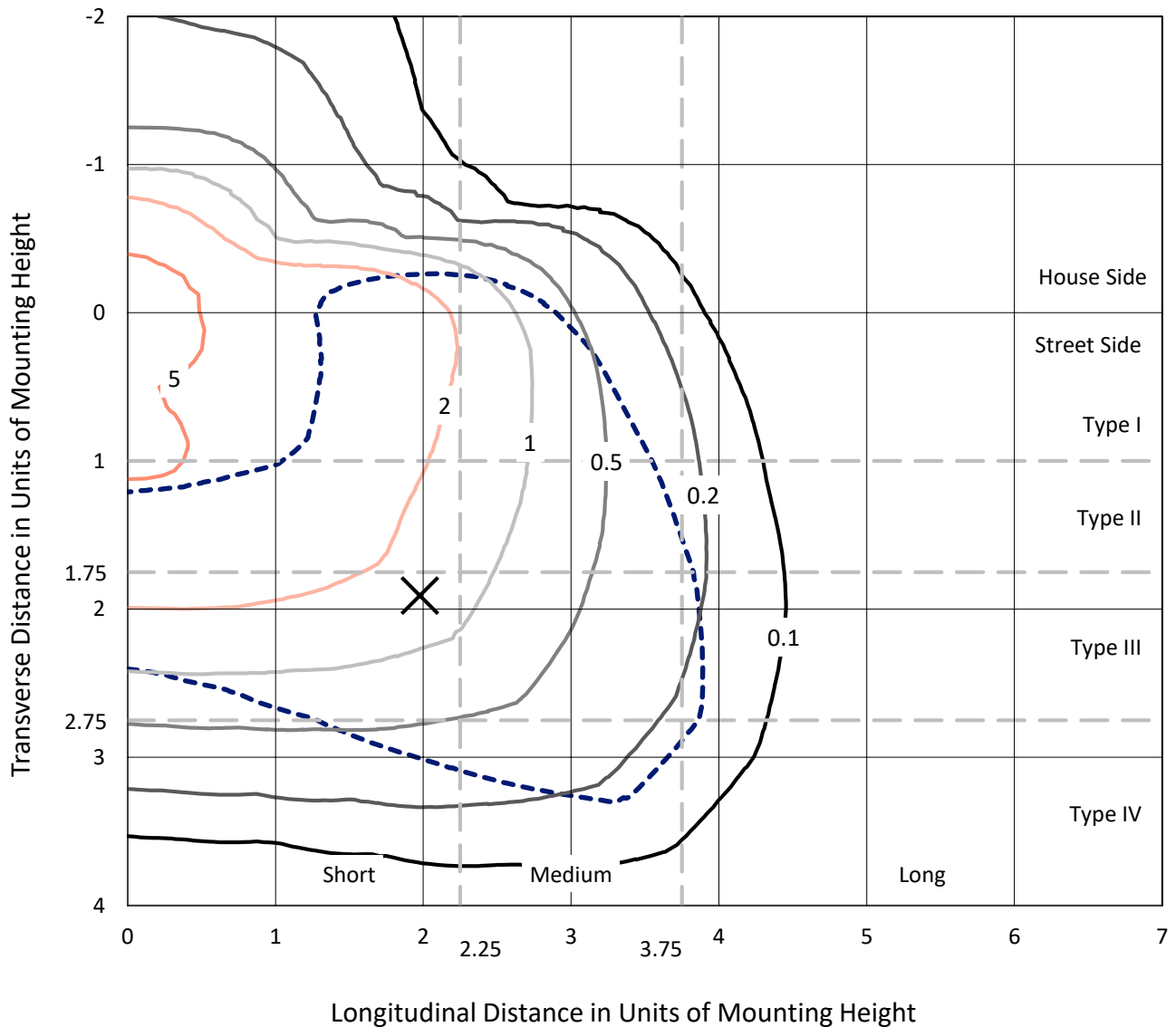
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

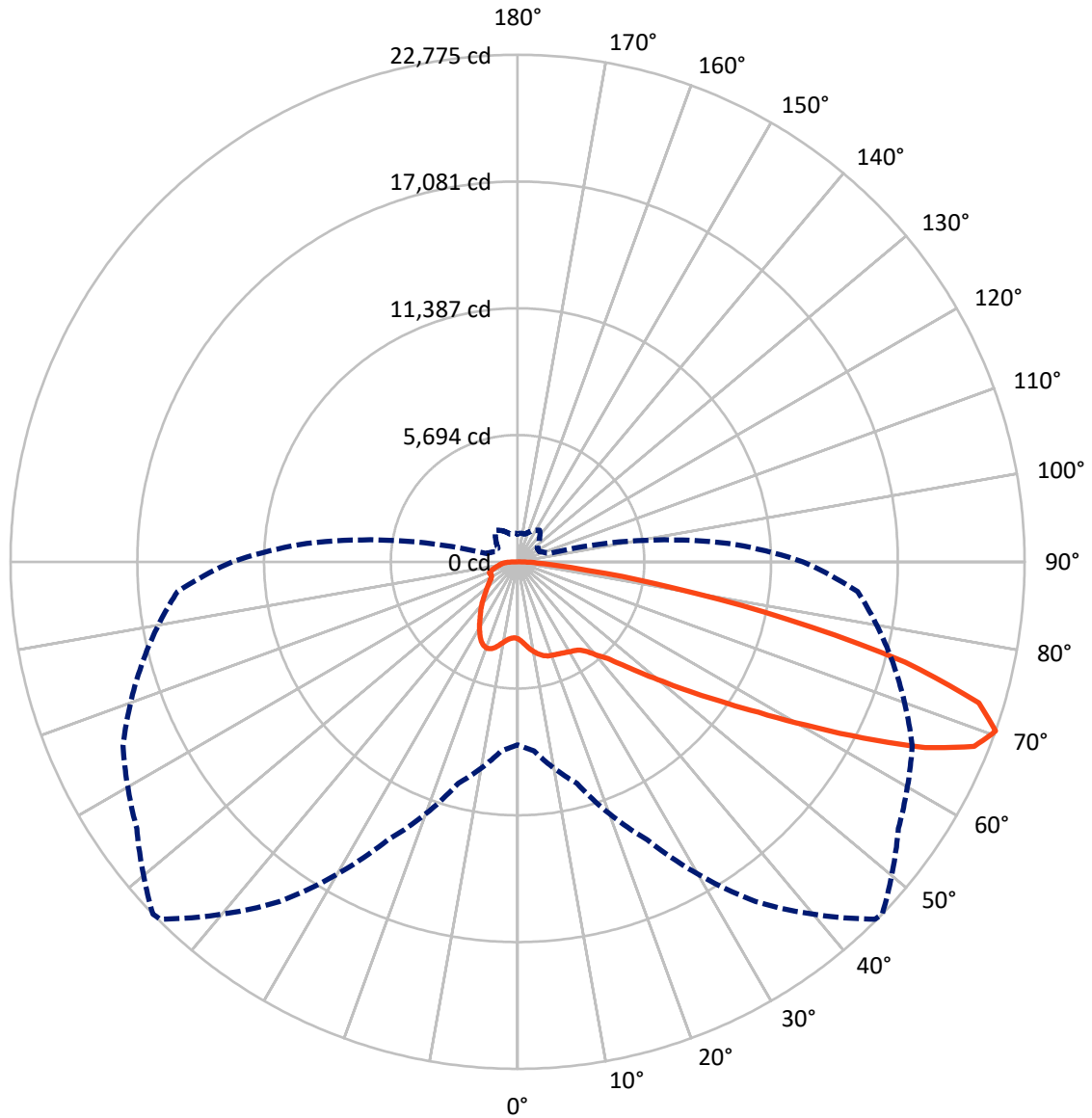
✕ Max cd  
 - - - 1/2 Max cd



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	7778.9	0.0	7778.9
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	26161.0	0.0	26161.0
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	33940.0	0.0	33940.0
	% Fixture	100.0	0.0	100.0

**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°	2778.8	8.2
40°-50°	4087.5	12.0
50°-60°	6922.2	20.4
60°-70°	9825.9	29.0
70°-80°	5969.3	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°	33940.0	100.0
0°-180°	33940.0	100.0

**Coefficient of Utilization**

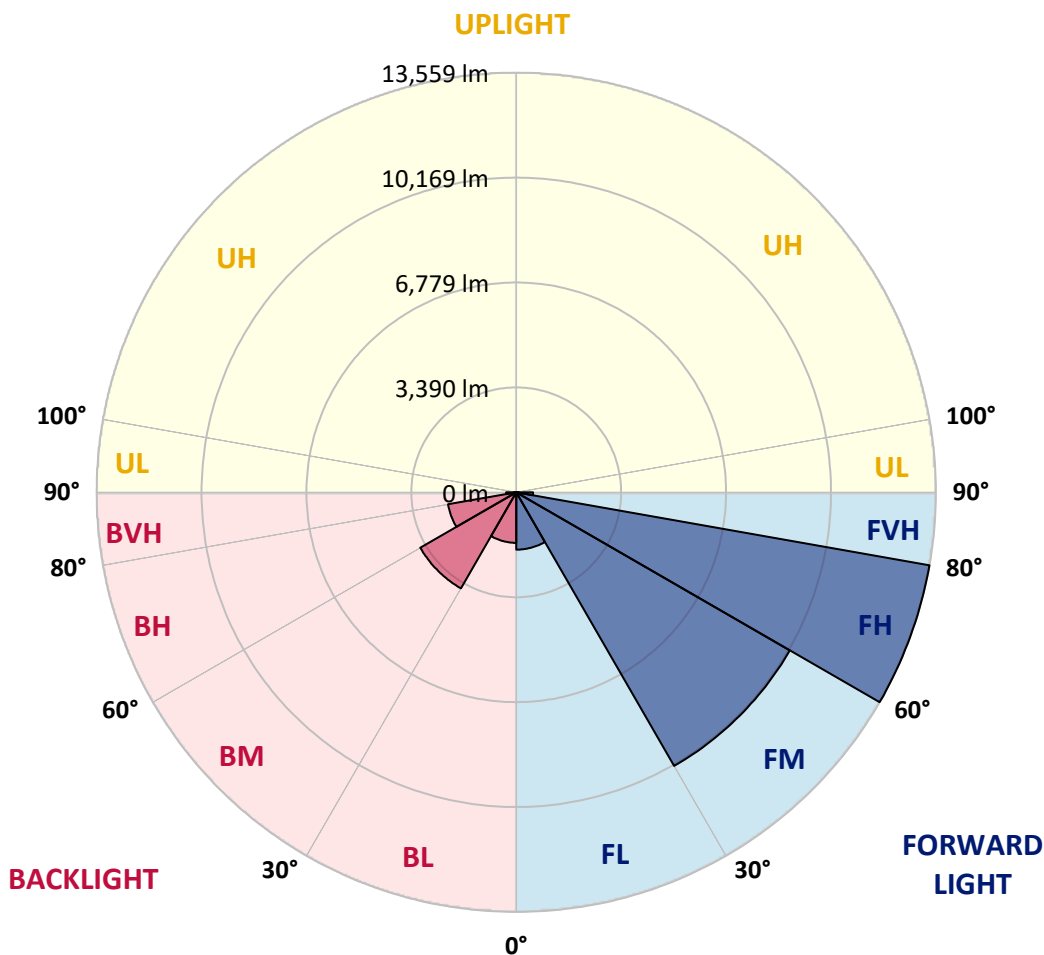


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1851.9	5.5			
FM (30°-60°)	10207.6	30.1			
FH (60°-80°)	13558.8	39.9			G5
FVH (80°-90°)	542.7	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°)	2236.4	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°	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8
2.5°	3630.9	3633.2	3637.9	3626.2	3593.7	3584.4	3580.9	3547.3	3525.2	3492.7	3464.8
5°	3921.3	3923.6	3916.6	3884.1	3812.1	3758.7	3754.0	3677.3	3607.7	3533.3	3477.6
7.5°	4224.4	4227.9	4205.8	4144.3	4043.2	3950.3	3944.5	3840.0	3734.3	3621.6	3538.0
10°	4492.7	4478.8	4442.8	4356.8	4237.2	4123.4	4118.7	4009.5	3887.6	3751.7	3640.2
12.5°	4671.6	4660.0	4613.5	4509.0	4377.7	4273.2	4263.9	4162.9	4044.4	3895.7	3762.1
15°	4770.3	4778.5	4715.7	4597.3	4469.5	4381.2	4373.1	4301.1	4195.4	4045.5	3892.2
17.5°	4783.1	4790.1	4729.7	4612.4	4507.8	4447.4	4443.9	4396.3	4319.7	4175.6	4015.3
20°	4708.8	4713.4	4663.5	4567.1	4498.5	4480.0	4478.8	4457.9	4401.0	4273.2	4117.6
22.5°	4600.7	4604.2	4568.2	4498.5	4475.3	4504.3	4512.5	4504.3	4463.7	4344.1	4197.7
25°	4574.0	4571.7	4534.5	4463.7	4483.4	4545.0	4555.5	4558.9	4531.1	4426.5	4299.9
27.5°	4703.0	4694.8	4624.0	4510.2	4522.9	4597.3	4611.2	4644.9	4627.5	4535.7	4416.1
30°	5075.8	5061.9	4916.7	4686.7	4624.0	4662.3	4679.7	4733.2	4736.6	4660.0	4570.6
32.5°	5705.3	5687.9	5427.7	5016.6	4794.7	4728.5	4744.8	4824.9	4867.9	4808.7	4712.3
35°	6501.0	6481.2	6139.8	5577.6	5080.5	4855.1	4866.7	4930.6	5016.6	4932.9	4805.2
37.5°	7330.3	7282.7	6954.0	6237.3	5534.6	5125.8	5125.8	5133.9	5174.5	5000.3	4914.4
40°	8155.0	8107.4	7810.0	7013.2	6122.3	5552.0	5525.3	5345.3	5312.8	5162.9	5133.9
42.5°	8921.6	8907.6	8732.2	7890.2	6812.3	5971.3	5934.2	5628.7	5635.7	5542.7	5543.9
45°	9737.0	9737.0	9594.1	8775.2	7616.0	6645.0	6607.8	6158.3	6228.0	6185.1	6288.4
47.5°	10402.5	10423.4	10403.7	9697.5	8551.1	7501.0	7433.7	6892.4	7087.5	7235.1	7535.9
50°	11082.0	11114.5	11118.0	10709.1	9681.2	8518.5	8441.9	7866.9	8302.5	8725.3	9316.5
52.5°	12068.1	12141.3	11849.7	11718.5	11065.7	9726.5	9651.0	9120.2	9847.3	10440.8	11459.5
55°	12982.2	12918.3	12710.4	12791.7	12547.8	11101.7	11044.8	10579.1	11568.7	12339.9	13662.9
57.5°	13477.0	13472.4	13681.5	14029.9	14146.1	12797.5	12749.9	12296.9	13509.5	14089.1	15731.5
60°	14057.8	14065.9	14583.9	15374.9	15853.5	14909.2	14888.3	14544.5	15394.7	15722.2	17354.2
62.5°	14139.1	14285.4	15177.5	16538.8	17451.7	17376.2	17422.7	16569.0	17081.2	17025.4	18565.6
65°	13204.1	13396.9	15011.4	16890.7	19040.7	20074.4	20117.4	18605.1	18411.1	18139.3	18998.9
67.5°	11287.6	11573.3	13327.2	16125.3	19564.5	22068.7	22129.1	20183.6	19514.6	18516.8	17955.8
70°	8214.2	8531.3	10296.8	13772.0	18630.7	22706.4	22774.9	20881.7	19556.4	17442.4	15328.5
72.5°	4962.0	5210.5	6665.9	10138.8	15724.6	21544.9	21666.8	19996.6	17854.8	14774.4	11318.9
75°	2179.0	2341.6	3223.2	5842.4	11257.4	17825.7	17977.9	17116.0	14507.3	10737.0	6690.3
77.5°	928.0	974.5	1321.8	2537.9	6363.9	12180.8	12389.9	12506.0	9842.7	5842.4	2827.1
80°	578.4	597.0	748.0	1148.7	2978.1	6841.3	7066.6	7358.2	4887.6	2147.6	987.3
82.5°	351.9	372.8	497.1	694.6	1550.6	3101.2	3209.3	3414.8	1896.7	928.0	511.1
85°	211.4	226.5	304.3	439.1	882.7	1219.6	1218.4	1347.4	893.2	597.0	269.5
87.5°	101.1	112.7	162.6	227.7	444.9	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°	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8	3457.8
2.5°	3455.5	3450.9	3435.8	3424.1	3421.8	3414.8	3409.0	3412.5	3417.2	3418.3	3418.3
5°	3454.3	3441.6	3421.8	3413.7	3424.1	3438.1	3455.5	3478.7	3492.7	3503.1	3510.1
7.5°	3510.1	3485.7	3463.6	3459.0	3479.9	3517.1	3556.6	3605.3	3639.0	3662.2	3666.9
10°	3603.0	3572.8	3550.7	3555.4	3592.6	3646.0	3701.7	3764.5	3815.6	3846.9	3849.3
12.5°	3709.9	3680.8	3659.9	3679.7	3741.2	3806.3	3864.4	3918.9	3965.4	3996.8	3996.8
15°	3833.0	3812.1	3787.7	3833.0	3916.6	3974.7	3999.1	4025.8	4051.4	4074.6	4069.9
17.5°	3951.5	3931.7	3918.9	3972.4	4059.5	4086.2	4069.9	4050.2	4050.2	4063.0	4065.3
20°	4053.7	4036.3	4044.4	4096.7	4142.0	4114.1	4053.7	3991.0	3965.4	3972.4	3979.3
22.5°	4143.1	4135.0	4159.4	4183.8	4151.2	4053.7	3942.2	3857.4	3826.0	3823.7	3826.0
25°	4247.6	4246.5	4276.7	4232.6	4088.5	3908.5	3758.7	3676.2	3658.8	3672.7	3695.9
27.5°	4377.7	4390.5	4405.6	4244.2	3960.8	3689.0	3536.8	3479.9	3497.3	3531.0	3553.1
30°	4543.8	4578.7	4546.2	4215.1	3777.2	3438.1	3292.9	3276.6	3324.2	3371.9	3395.1
32.5°	4705.3	4759.9	4680.9	4139.6	3540.3	3172.1	3059.4	3054.8	3112.9	3159.3	3191.8
35°	4835.4	4943.4	4781.9	3989.8	3266.2	2927.0	2844.5	2813.2	2834.1	2888.7	2925.8
37.5°	5005.0	5185.0	4851.6	3761.0	2968.8	2724.9	2628.5	2556.5	2537.9	2560.0	2578.6
40°	5315.1	5553.2	4884.2	3441.6	2678.4	2522.8	2425.2	2319.5	2246.4	2192.9	2194.1
42.5°	5821.5	6032.9	4863.3	3053.6	2410.1	2325.3	2215.0	2093.0	1974.6	1853.8	1844.5
45°	6643.8	6746.1	4800.5	2642.4	2174.4	2118.6	2015.2	1893.3	1735.3	1598.2	1585.5
47.5°	7959.8	7733.3	4703.0	2283.5	1966.4	1943.2	1848.0	1707.4	1540.2	1429.8	1420.5
50°	9754.4	9158.5	4655.3	1997.8	1782.9	1789.9	1712.1	1563.4	1405.4	1324.1	1314.8
52.5°	11900.9	10818.3	4747.1	1777.1	1635.4	1659.8	1601.7	1462.3	1329.9	1266.0	1256.8
55°	14127.5	12537.4	4845.8	1616.8	1496.0	1543.6	1523.9	1408.9	1289.3	1230.0	1221.9
57.5°	16033.5	13820.8	4648.4	1486.7	1371.7	1446.1	1463.5	1375.2	1268.4	1214.9	1205.6
60°	17233.4	14337.7	4130.3	1364.8	1273.0	1368.3	1428.7	1365.9	1276.5	1271.9	1264.9
62.5°	17802.5	14292.4	3353.3	1268.4	1211.5	1334.6	1454.2	1418.2	1369.4	1411.2	1414.7
65°	17547.0	13609.4	2497.3	1204.5	1167.3	1347.4	1530.9	1516.9	1396.1	1438.0	1443.8
67.5°	15865.1	11979.8	1849.1	1148.7	1118.5	1383.4	1670.3	1549.5	1343.9	1374.1	1355.5
70°	12823.1	9497.7	1426.3	1086.0	1068.6	1378.7	1733.0	1529.7	1287.0	1293.9	1244.0
72.5°	8842.6	6476.6	1160.4	1027.9	996.6	1256.8	1688.8	1480.9	1239.3	1185.9	1119.7
75°	4808.7	3476.4	986.1	967.5	870.0	1103.4	1607.5	1446.1	1196.4	1125.5	1088.3
77.5°	1892.1	1442.6	856.0	885.1	760.8	974.5	1516.9	1379.9	1137.1	1044.2	1025.6
80°	772.4	736.4	709.7	765.4	653.9	852.5	1407.8	1302.1	1066.3	968.7	931.5
82.5°	437.9	457.6	551.7	604.0	530.8	785.2	1355.5	1239.3	981.5	867.6	823.5
85°	224.2	268.3	384.5	433.2	390.3	667.9	1248.6	1084.9	787.5	664.4	667.9
87.5°	108.0	149.8	242.8	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)