

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: P318370

Luminaire Tested: **GAN-SA6C-730-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-730-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38534 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

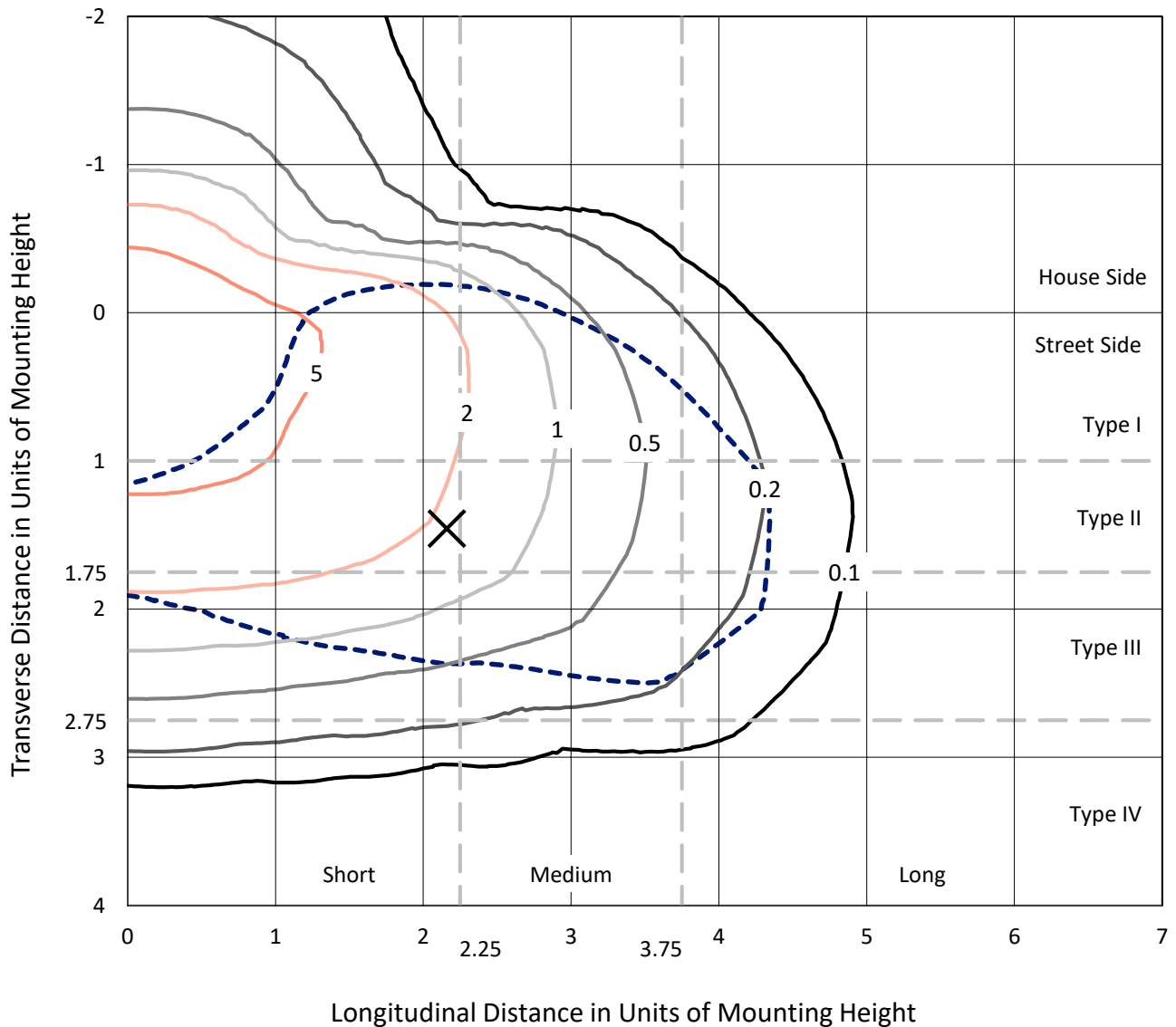
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

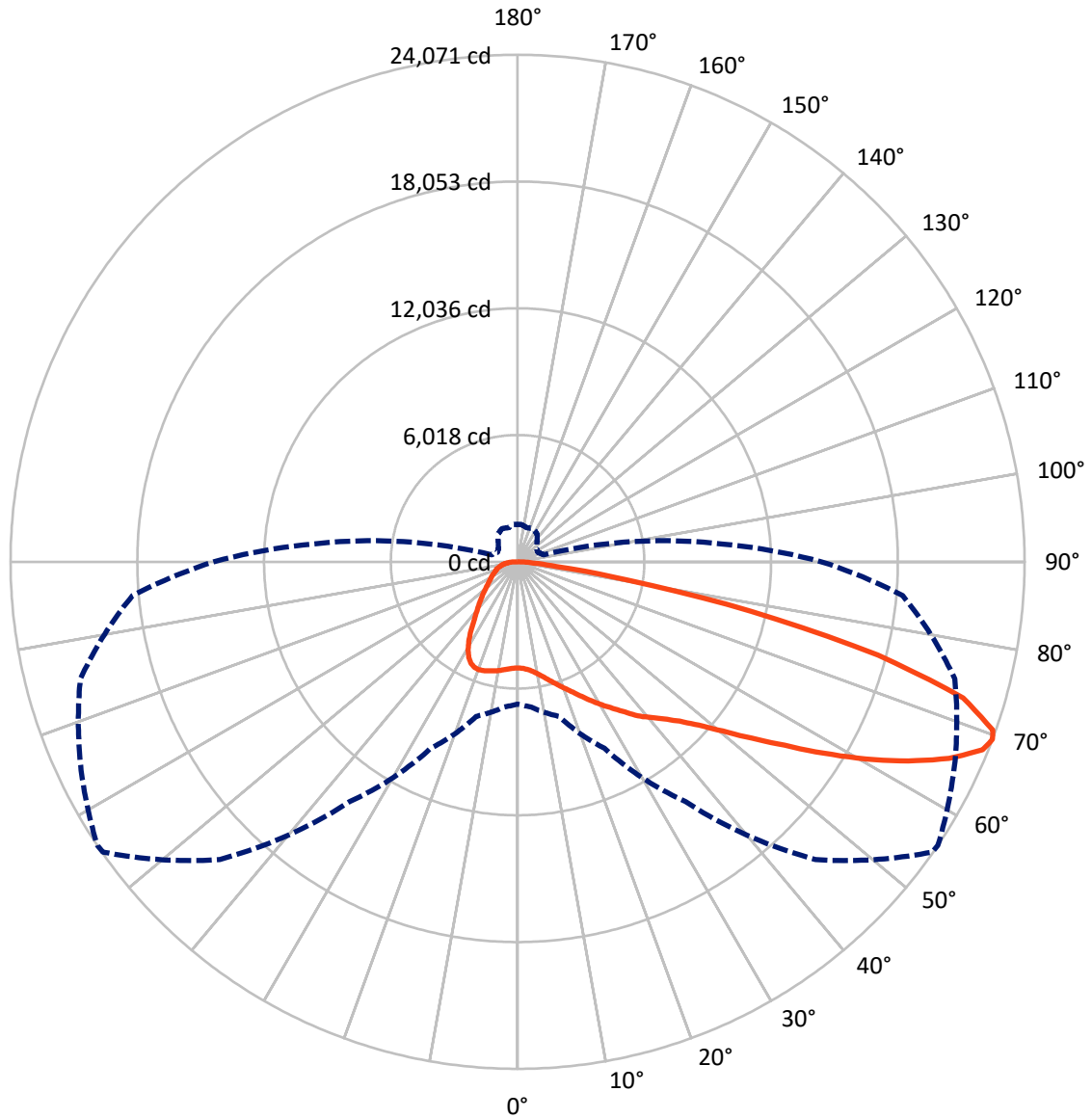
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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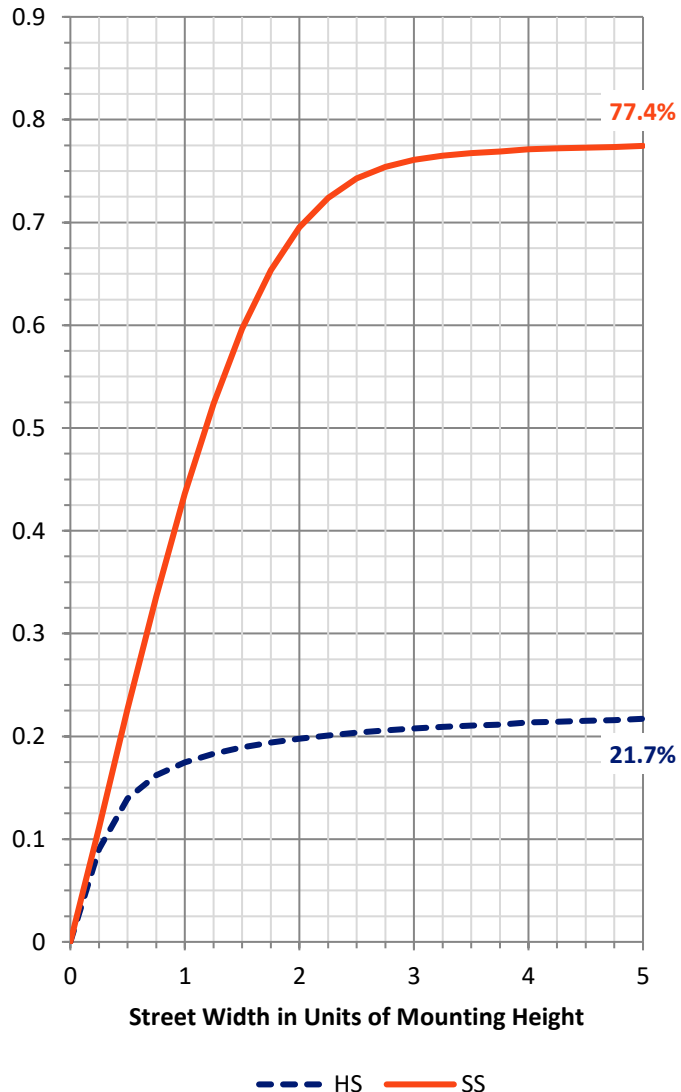
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8581.5	0.0	8581.5
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	29952.5	0.0	29952.5
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	38534.0	0.0	38534.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.8	1.3
10°-20°	1591.0	4.1
20°-30°	2777.3	7.2
30°-40°	3989.5	10.4
40°-50°	5521.3	14.3
50°-60°	8089.5	21.0
60°-70°	9862.6	25.6
70°-80°	5452.7	14.2
80°-90°	755.2	2.0
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°	38534.0	100.0
0°-180°	38534.0	100.0

**Coefficient of Utilization**

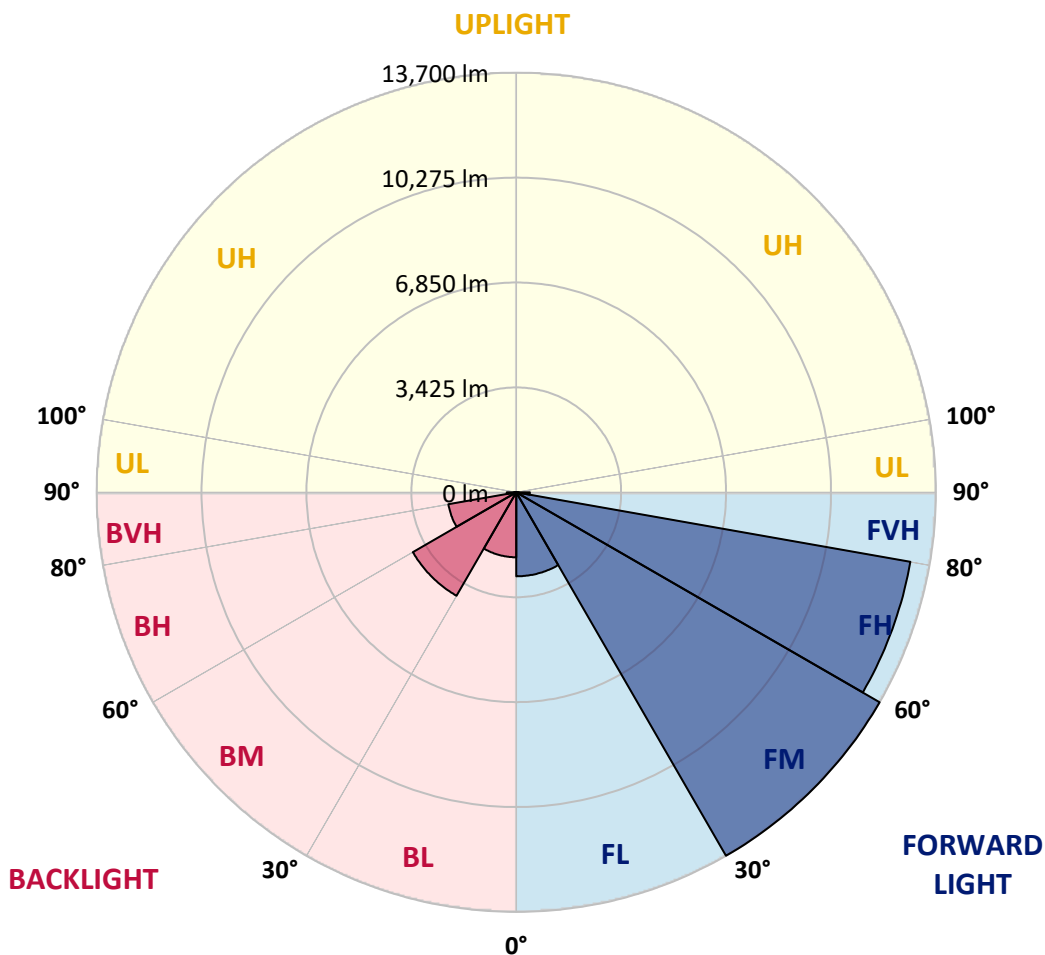


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2742.5	7.1			
FM (30°-60°)	13700.3	35.6			
FH (60°-80°)	13065.0	33.9			G5
FVH (80°-90°)	444.8	1.2			G3/500
BL (0°-30°)	2120.7	5.5	B3/2500		
BM (30°-60°)	3900.1	10.1	B3/5000		
BH (60°-80°)	2250.3	5.8	B3/2500		G3/2500
BVH (80°-90°)	310.4	0.8			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7
2.5°	5069.6	5074.9	5070.9	5081.5	5069.6	5077.6	5070.9	5070.9	5066.9	5055.0	5041.7
5°	5149.2	5159.9	5153.2	5163.8	5149.2	5151.9	5140.0	5140.0	5128.0	5102.8	5076.2
7.5°	5274.0	5286.0	5280.7	5291.3	5271.4	5271.4	5255.4	5254.1	5230.2	5189.1	5158.5
10°	5422.7	5438.6	5433.3	5449.3	5433.3	5438.6	5422.7	5422.7	5390.8	5332.4	5293.9
12.5°	5639.1	5659.0	5644.4	5643.1	5636.4	5647.0	5633.8	5631.1	5601.9	5522.3	5469.2
15°	5928.5	5949.7	5919.2	5916.5	5879.4	5875.4	5875.4	5871.4	5852.8	5757.2	5669.6
17.5°	6261.7	6268.3	6241.8	6199.3	6151.5	6121.0	6117.0	6127.6	6127.6	6016.1	5876.7
20°	6588.2	6600.2	6578.9	6531.1	6470.1	6424.9	6393.1	6414.3	6413.0	6280.3	6082.5
22.5°	6944.0	6971.9	6940.0	6878.9	6807.3	6756.8	6701.1	6719.6	6721.0	6557.7	6284.2
25°	7404.6	7379.4	7359.5	7273.2	7171.0	7119.2	7067.4	7086.0	7080.7	6856.4	6492.6
27.5°	7812.1	7817.5	7790.9	7699.3	7581.2	7467.0	7464.4	7476.3	7456.4	7167.0	6689.1
30°	8286.1	8288.7	8251.5	8169.2	8040.5	7893.1	7858.6	7878.5	7836.0	7461.7	6896.2
32.5°	8757.3	8770.6	8729.4	8629.9	8526.3	8347.1	8278.1	8291.4	8185.2	7763.0	7109.9
35°	9170.1	9188.7	9175.5	9109.1	8996.2	8842.3	8760.0	8752.0	8620.6	8132.1	7392.7
37.5°	9591.0	9608.2	9593.6	9537.9	9492.7	9329.4	9285.6	9285.6	9057.3	8509.1	7752.4
40°	10023.7	10050.3	10033.0	9956.0	9917.5	9843.2	9738.3	9713.1	9466.2	8961.7	8339.2
42.5°	10425.9	10460.4	10529.5	10484.3	10406.0	10416.6	10205.6	10192.3	10011.8	9630.8	9075.9
45°	10996.7	11047.2	11164.0	11129.5	11113.6	11055.2	10804.3	10792.3	10723.3	10530.8	9990.5
47.5°	11619.3	11688.4	11899.4	11906.1	12077.3	11967.1	11626.0	11584.8	11600.7	11608.7	11106.9
50°	12192.8	12268.5	12614.9	12778.2	13181.8	13205.7	12660.1	12622.9	12685.3	12868.5	12407.8
52.5°	12650.8	12746.3	13179.1	13683.5	14375.1	14571.6	13933.1	13905.2	13951.7	14267.6	13878.7
55°	12986.6	13090.2	13561.4	14480.0	15584.5	15930.9	15398.6	15372.1	15401.3	15803.5	15478.3
57.5°	13064.9	13090.2	13773.8	15016.3	16605.3	17437.6	17192.0	17138.9	16995.6	17346.0	17243.8
60°	12697.2	12798.1	13598.6	15204.8	17395.1	18923.1	19066.4	19000.0	18597.8	18884.6	18802.3
62.5°	11951.2	12131.7	12944.1	14918.1	17704.4	20136.4	20905.0	20825.3	20132.4	20318.2	19922.6
65°	10732.6	10809.6	11663.1	13929.1	17311.5	20912.9	22544.4	22504.6	21632.4	21341.7	20129.7
67.5°	8552.9	8697.6	9422.4	11862.3	15703.9	20821.3	23812.1	23808.1	22612.1	21721.4	19395.6
69°	6756.8	6906.8	7597.1	9771.5	13895.9	19983.7	24024.5	24071.0	22888.2	21490.4	18346.9
70°	5386.9	5560.8	6034.7	8230.3	12291.0	18879.2	23848.0	23931.6	22835.1	21109.4	17379.2
72.5°	2292.5	2433.2	2770.4	4242.6	7490.9	14097.7	21805.0	22120.9	21604.5	19320.0	14363.2
75°	1000.9	1044.7	1197.4	1729.7	3325.3	7672.8	17081.9	17665.9	18473.0	16330.5	10699.4
77.5°	732.8	751.3	835.0	1015.5	1492.1	2897.9	10984.8	11324.6	13322.5	11883.5	6563.0
80°	566.8	580.1	645.1	746.0	974.4	1172.2	5009.9	5301.9	7490.9	6103.7	2733.3
82.5°	451.3	460.6	505.8	549.6	673.0	710.2	1663.3	1845.2	2765.1	1685.9	723.5
85°	419.5	430.1	446.0	400.9	431.4	416.8	719.5	752.7	835.0	662.4	302.7
87.5°	189.8	224.3	442.0	312.0	229.7	183.2	294.7	308.0	346.5	347.8	134.1
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°	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7	5037.7
2.5°	5049.7	5045.7	5052.3	5036.4	5056.3	5055.0	5048.4	5051.0	5064.3	5063.0	5064.3
5°	5080.2	5077.6	5085.5	5073.6	5097.5	5105.4	5106.8	5118.7	5133.3	5137.3	5137.3
7.5°	5157.2	5157.2	5161.2	5145.3	5161.2	5159.9	5153.2	5165.2	5179.8	5181.1	5179.8
10°	5290.0	5291.3	5284.6	5243.5	5230.2	5194.4	5161.2	5162.5	5181.1	5195.7	5199.7
12.5°	5457.2	5451.9	5422.7	5347.0	5291.3	5218.3	5183.8	5182.4	5201.0	5213.0	5216.9
15°	5648.4	5633.8	5558.1	5434.7	5336.4	5264.7	5209.0	5195.7	5185.1	5171.8	5173.1
17.5°	5828.9	5795.7	5669.6	5498.4	5394.8	5299.3	5191.7	5105.4	5045.7	5011.2	5000.6
20°	6012.1	5947.1	5765.2	5558.1	5426.7	5252.8	5045.7	4870.5	4761.6	4711.2	4701.9
22.5°	6179.4	6074.5	5854.1	5620.5	5401.5	5096.1	4770.9	4516.0	4364.7	4297.0	4302.3
25°	6342.6	6196.6	5947.1	5664.3	5274.0	4820.0	4388.6	4075.3	3900.1	3824.4	3821.8
27.5°	6486.0	6320.1	6047.9	5628.5	5036.4	4427.1	3935.9	3630.6	3484.6	3419.6	3408.9
30°	6650.6	6475.4	6182.0	5491.7	4688.6	3973.1	3493.9	3278.8	3175.3	3110.3	3098.3
32.5°	6851.1	6686.5	6292.2	5243.5	4243.9	3499.2	3148.8	2998.7	2904.5	2831.5	2818.2
35°	7143.1	6965.2	6320.1	4887.7	3755.4	3124.9	2895.2	2741.2	2613.8	2519.5	2510.2
37.5°	7509.5	7314.3	6256.4	4427.1	3281.5	2881.9	2684.1	2494.3	2328.4	2195.6	2174.4
40°	8037.8	7743.1	6079.8	3896.1	2932.4	2694.8	2478.4	2262.0	2056.2	1900.9	1870.4
42.5°	8672.3	8246.2	5809.0	3367.8	2676.2	2504.9	2274.0	2005.8	1809.3	1699.2	1683.2
45°	9479.4	8769.3	5433.3	2905.8	2424.0	2315.1	2053.6	1806.7	1684.6	1603.6	1590.3
47.5°	10400.7	9356.0	5039.1	2530.2	2210.2	2137.2	1877.0	1717.7	1620.8	1557.1	1545.2
50°	11533.0	10018.4	4620.9	2222.2	1995.2	1923.5	1793.4	1668.6	1591.6	1542.5	1530.6
52.5°	12810.1	10765.8	4319.6	1979.3	1817.3	1765.5	1749.6	1642.1	1579.7	1542.5	1530.6
55°	14185.3	11526.4	3994.4	1774.8	1663.3	1677.9	1720.4	1644.7	1602.3	1557.1	1539.9
57.5°	15561.9	12312.3	3632.0	1602.3	1541.2	1612.9	1700.5	1650.0	1614.2	1570.4	1554.5
60°	16650.4	12810.1	3070.4	1457.6	1444.3	1541.2	1652.7	1610.2	1563.8	1565.1	1562.4
62.5°	17158.8	12783.5	2450.5	1328.8	1347.4	1444.3	1575.7	1547.8	1509.3	1561.1	1565.1
65°	16873.4	12146.3	1907.6	1212.0	1243.8	1343.4	1496.1	1517.3	1530.6	1630.1	1643.4
67.5°	15676.1	10906.5	1477.5	1109.8	1149.6	1274.4	1504.0	1652.7	1670.0	1774.8	1773.5
69°	14437.5	9743.6	1283.7	1056.7	1103.1	1291.6	1607.6	1739.0	1673.9	1785.4	1769.5
70°	13399.5	8823.7	1180.1	1020.8	1081.9	1322.2	1676.6	1737.7	1654.0	1749.6	1723.1
72.5°	10319.7	6348.0	1000.9	954.4	1010.2	1265.1	1696.5	1699.2	1607.6	1626.1	1581.0
75°	7078.1	4011.6	873.5	864.2	901.4	1140.3	1632.8	1623.5	1486.8	1460.2	1423.0
77.5°	3902.8	2037.7	742.1	777.9	803.1	1010.2	1484.1	1470.8	1358.0	1302.2	1289.0
80°	1505.3	892.1	626.6	691.6	707.5	874.8	1300.9	1289.0	1194.7	1123.0	1103.1
82.5°	568.2	467.3	517.7	598.7	593.4	722.1	1101.8	1095.2	1003.6	898.7	866.8
85°	262.8	280.1	410.2	493.8	455.3	535.0	881.4	893.4	781.9	657.1	657.1
87.5°	111.5	156.6	290.7	373.0	306.6	361.1	646.5	617.3	566.8	392.9	369.0
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)