

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: P318690

Luminaire Tested: **GAN-SA6C-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38756 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

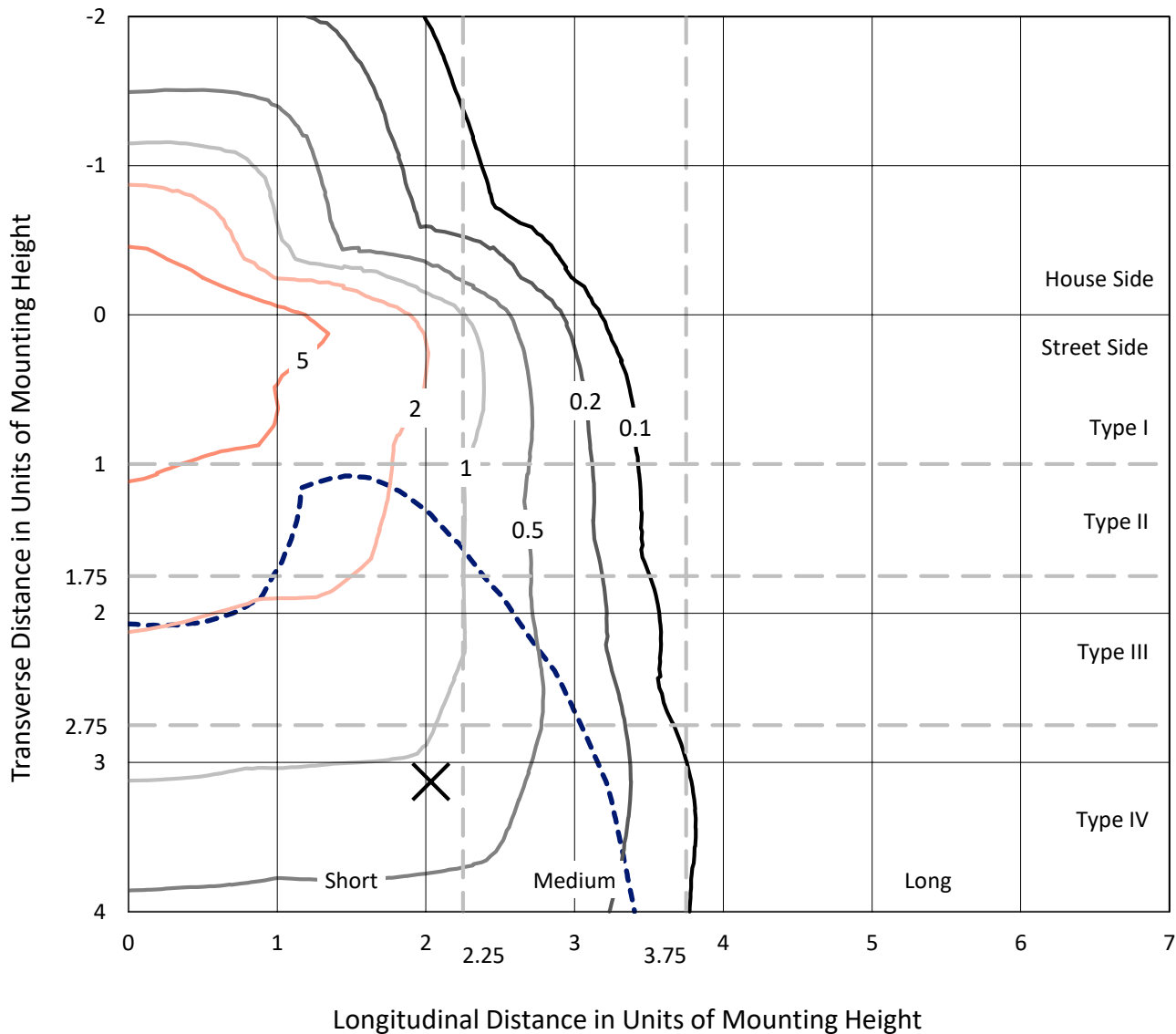
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

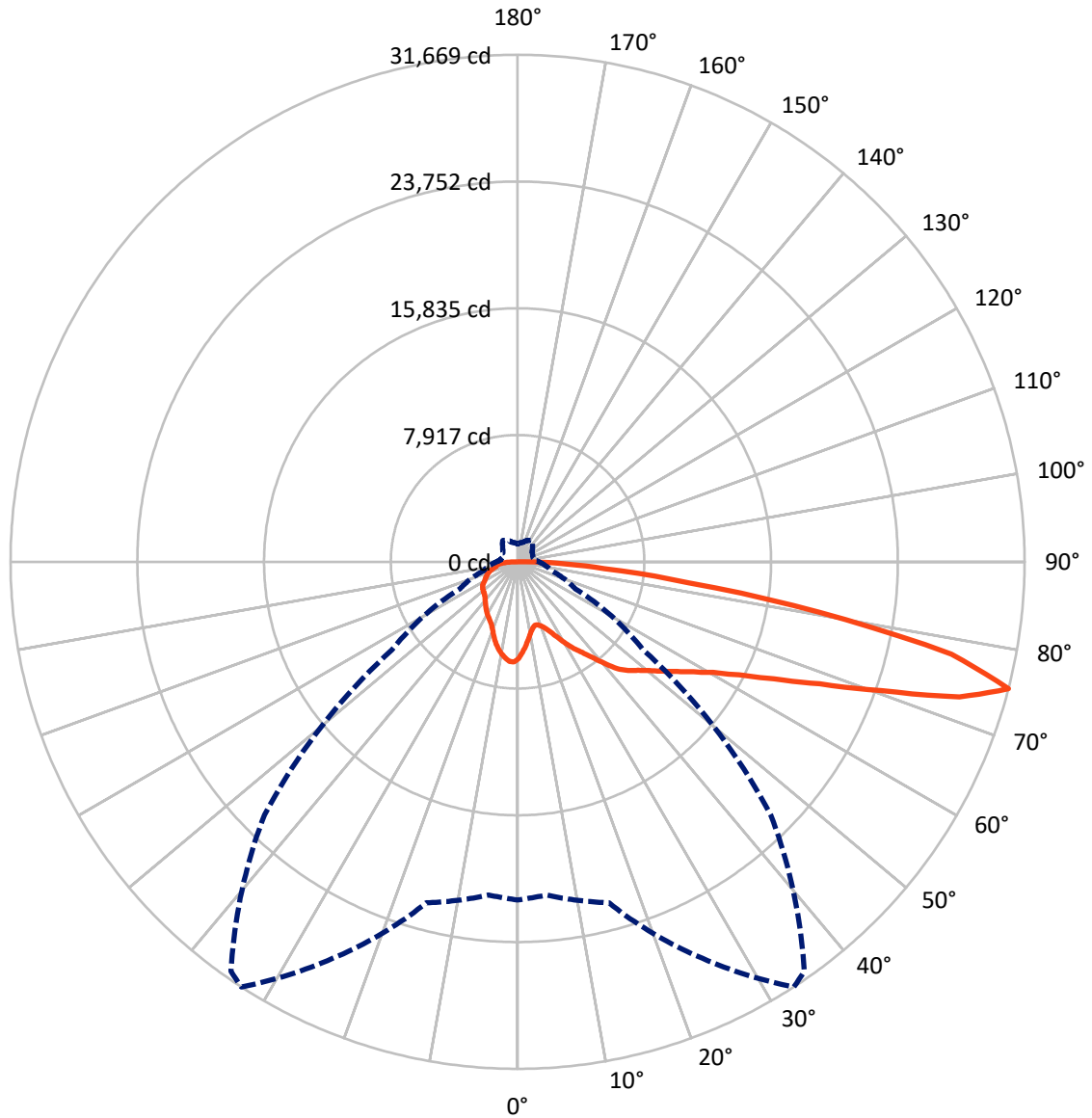
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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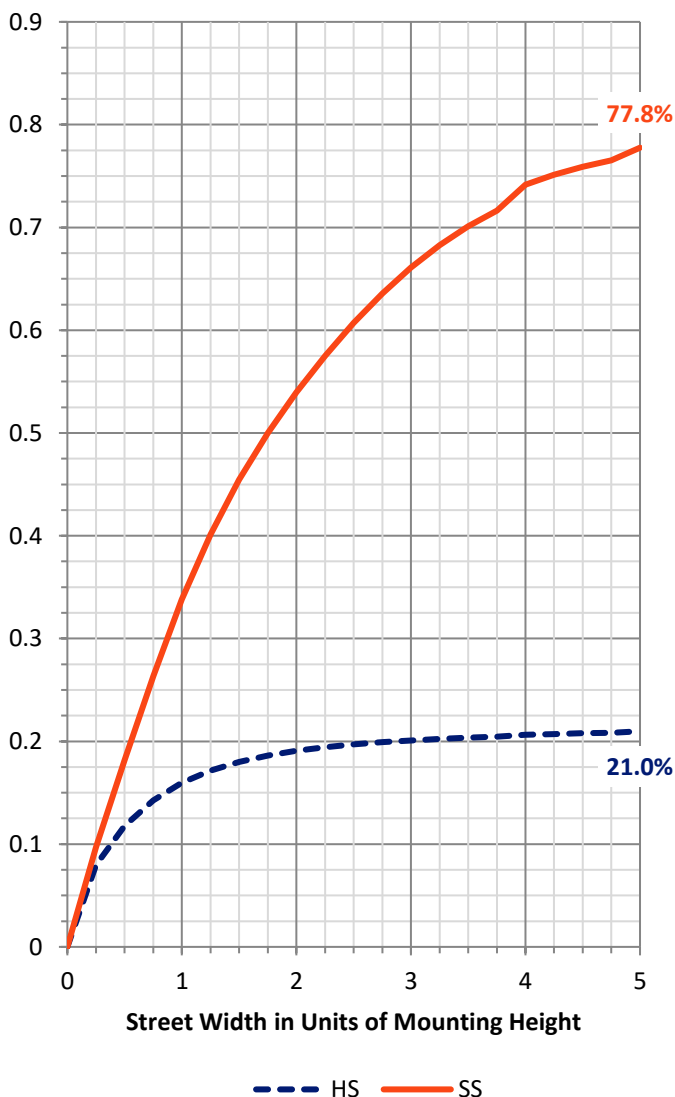
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8321.9	0.0	8321.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	30434.1	0.0	30434.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	38756.0	0.0	38756.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	547.8	1.4
10°-20°	1483.8	3.8
20°-30°	2423.3	6.3
30°-40°	3608.8	9.3
40°-50°	5176.0	13.4
50°-60°	7105.9	18.3
60°-70°	8896.3	23.0
70°-80°	8048.0	20.8
80°-90°	1466.0	3.8
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°	38756.0	100.0
0°-180°	38756.0	100.0

**Coefficient of Utilization**



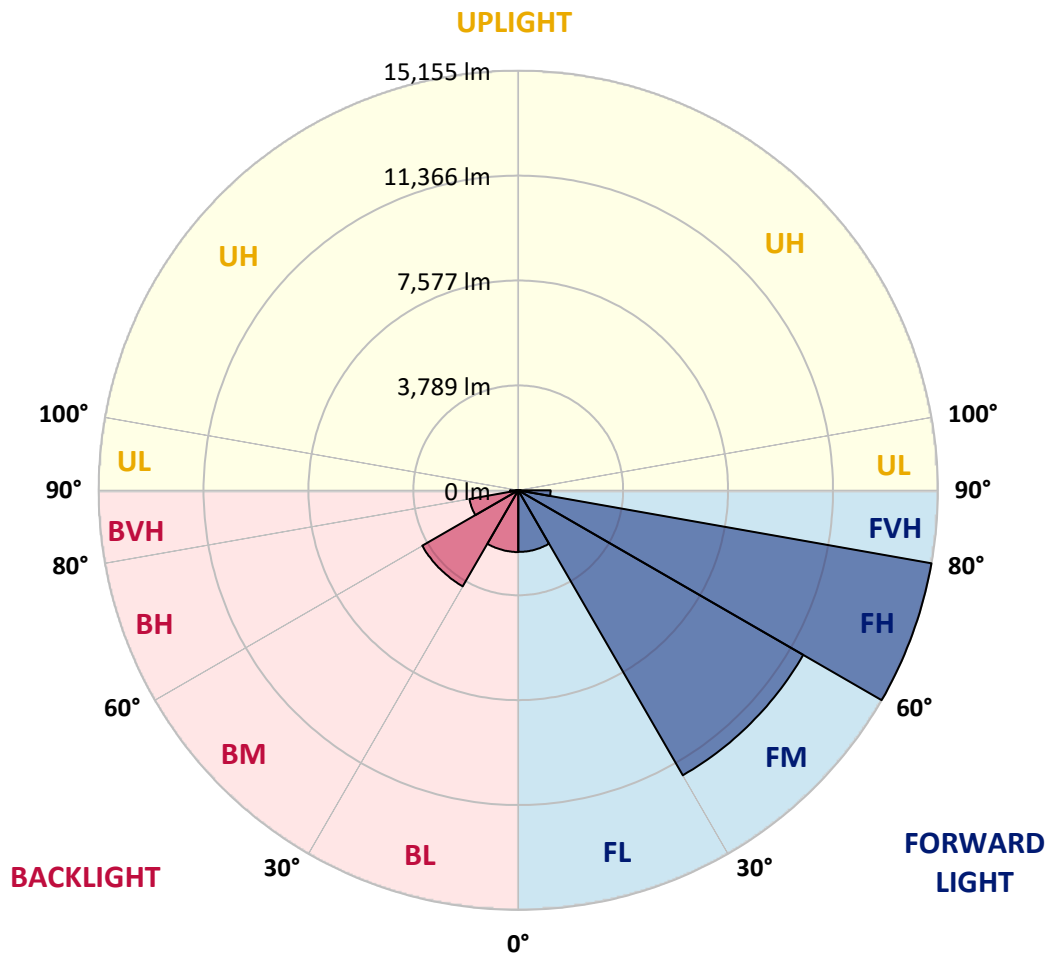
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2225.9	5.7			
FM (30°-60°)	11885.7	30.7			
FH (60°-80°)	15154.9	39.1			G5
FVH (80°-90°)	1167.5	3.0			G5
BL (0°-30°)	2229.0	5.8	B3/2500		
BM (30°-60°)	4005.1	10.3	B3/5000		
BH (60°-80°)	1789.4	4.6	B3/2500		G3/2500
BVH (80°-90°)	298.5	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8
2.5°	5625.4	5603.9	5644.1	5649.5	5684.3	5697.7	5745.9	5820.8	5882.4	5953.4	6017.6
5°	5115.3	5100.6	5156.8	5197.0	5273.3	5305.4	5419.2	5578.5	5720.4	5881.1	6027.0
7.5°	4630.7	4622.7	4685.6	4776.6	4865.0	4909.1	5105.9	5337.5	5574.5	5834.2	6057.8
10°	4222.4	4219.7	4279.9	4369.6	4499.5	4549.0	4803.4	5108.6	5440.6	5798.1	6110.0
12.5°	3993.4	4002.8	4030.9	4105.9	4226.4	4275.9	4558.4	4917.2	5328.2	5786.0	6186.3
15°	4049.7	4064.4	4016.2	4013.5	4099.2	4138.0	4403.1	4780.6	5247.8	5806.1	6297.4
17.5°	4289.3	4292.0	4164.8	4084.5	4136.7	4156.8	4354.9	4703.0	5201.0	5851.6	6436.6
20°	4626.7	4620.0	4395.1	4261.2	4289.3	4294.7	4423.2	4704.3	5197.0	5930.6	6617.4
22.5°	5073.8	5024.3	4721.7	4539.7	4533.0	4524.9	4598.6	4803.4	5255.9	6059.1	6832.9
25°	5657.5	5610.6	5194.3	4945.3	4891.7	4871.7	4882.4	5014.9	5372.3	6197.0	7073.9
27.5°	6306.8	6225.1	5823.5	5471.4	5360.3	5332.2	5267.9	5313.4	5499.5	6329.5	7360.4
30°	6850.3	6806.1	6455.4	6037.7	5906.5	5866.3	5697.7	5648.1	5682.9	6510.3	7721.8
32.5°	7154.2	7124.8	6911.9	6574.5	6452.7	6396.5	6158.2	6059.1	5977.5	6795.4	8211.8
35°	7522.4	7503.6	7375.1	7130.1	6949.4	6890.5	6705.7	6602.6	6392.5	7187.7	8845.0
37.5°	7990.9	7970.8	7973.5	7775.4	7559.8	7505.0	7383.1	7274.7	6930.6	7703.1	9533.1
40°	8521.1	8482.2	8467.5	8458.1	8321.6	8290.8	8226.5	8079.3	7605.4	8318.9	10211.9
42.5°	9318.9	9181.1	8886.5	8997.6	9132.9	9116.8	9169.0	8957.5	8355.1	9047.2	10874.6
45°	10088.7	9862.5	9353.7	9377.8	9673.7	9763.4	10154.3	10004.4	9167.7	9845.1	11560.0
47.5°	10439.5	10268.1	9835.7	9837.0	10130.2	10316.3	11173.1	11066.0	10021.8	10751.4	12396.7
50°	10831.7	10660.4	10272.1	10418.0	10673.7	10871.9	12157.1	12102.2	10834.4	11743.4	13399.4
52.5°	11260.1	10969.6	10723.3	10984.3	11343.1	11573.4	13142.4	12992.4	11580.1	12742.1	14552.1
55°	11265.5	11186.5	11373.9	11565.3	12102.2	12384.6	14174.5	13778.3	12187.9	13723.4	15490.5
57.5°	11906.7	11778.2	12175.8	12264.2	12965.7	13284.3	15201.3	14462.4	12806.3	14475.8	15996.6
60°	12755.5	12645.7	12971.0	13204.0	14034.0	14459.7	16297.8	15165.2	13292.3	15043.4	15972.5
62.5°	14221.4	14096.9	14092.9	14419.5	15537.4	16032.7	17528.1	15854.6	13485.1	15155.8	15291.0
65°	16367.4	16169.3	15795.7	15951.0	17613.7	18107.7	18903.0	16354.0	13230.7	14553.4	13536.0
67.5°	18455.8	18449.1	17989.9	18308.6	20355.5	20751.7	20469.3	16403.5	12436.9	12455.6	10422.1
70°	20537.5	20564.3	20486.7	21595.1	24059.8	24472.1	22137.3	15738.2	10652.3	8995.0	6243.9
72.5°	22186.9	22180.2	22571.1	25429.3	28867.2	28774.8	23543.0	13722.0	7648.2	4855.6	2984.0
75°	21118.6	20885.6	22050.3	27327.6	31669.1	31218.0	22347.5	9572.0	3969.4	2210.3	1606.5
77.5°	13774.3	13995.1	15704.7	22575.1	27701.1	27152.2	16395.5	4466.0	1870.2	1449.9	1164.7
80°	4988.1	5221.1	7353.7	12787.6	19085.0	18995.3	8073.9	1835.4	1265.1	1095.1	848.8
82.5°	1716.3	1801.9	2901.0	5678.9	10775.5	11177.1	3037.6	1042.9	919.7	776.5	581.0
85°	673.4	771.1	1326.7	2732.4	5435.3	5475.4	1230.3	623.9	639.9	508.7	318.6
87.5°	255.7	310.6	634.6	1269.1	2482.0	2279.9	440.4	297.2	364.1	302.6	151.3
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°	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8	6057.8
2.5°	6067.2	6095.3	6154.2	6194.3	6237.2	6249.2	6254.6	6265.3	6276.0	6272.0	6273.3
5°	6104.6	6159.5	6254.6	6294.7	6313.5	6292.1	6250.6	6217.1	6193.0	6179.6	6175.6
7.5°	6166.2	6243.9	6345.6	6338.9	6296.1	6201.0	6093.9	6013.6	5946.7	5922.6	5909.2
10°	6247.9	6338.9	6409.9	6333.6	6209.1	6044.4	5883.7	5759.2	5658.8	5620.0	5613.3
12.5°	6352.3	6444.7	6458.1	6296.1	6089.9	5865.0	5646.8	5482.1	5332.2	5284.0	5273.3
15°	6487.5	6574.5	6491.5	6230.5	5942.6	5640.1	5357.6	5134.1	4976.1	4917.2	4895.8
17.5°	6629.4	6712.4	6498.2	6122.0	5749.9	5373.7	5018.9	4790.0	4609.3	4541.0	4533.0
20°	6799.4	6836.9	6470.1	5966.7	5484.8	5028.3	4654.8	4439.2	4342.9	4294.7	4289.3
22.5°	7009.6	6969.5	6405.9	5756.6	5148.8	4629.3	4325.5	4225.1	4201.0	4190.2	4194.3
25°	7231.9	7108.7	6310.8	5482.1	4724.4	4230.4	4084.5	4112.6	4144.7	4140.7	4140.7
27.5°	7476.8	7250.6	6164.9	5118.0	4254.5	3903.8	3921.2	4024.2	4072.4	4071.1	4069.8
30°	7791.4	7411.2	5978.8	4680.2	3815.4	3673.5	3779.3	3905.1	3970.7	3968.0	3969.4
32.5°	8178.3	7588.0	5725.8	4191.6	3498.1	3503.5	3625.3	3749.8	3826.1	3819.4	3820.8
35°	8630.8	7786.1	5383.1	3709.6	3287.9	3368.3	3464.6	3551.7	3624.0	3614.6	3605.2
37.5°	9123.5	7980.2	4927.9	3278.6	3116.6	3242.4	3322.7	3337.5	3370.9	3346.8	3329.4
40°	9592.0	8128.8	4341.5	2925.1	2943.9	3135.3	3187.5	3128.6	3068.4	3060.4	3036.3
42.5°	10000.4	8178.3	3748.5	2642.7	2761.8	3022.9	3055.0	2931.8	2823.4	2772.5	2751.1
45°	10431.4	8195.7	3195.6	2405.7	2586.4	2922.5	2957.3	2792.6	2640.0	2530.2	2494.1
47.5°	10995.0	8321.6	2765.8	2230.3	2452.6	2855.5	2905.1	2681.5	2483.4	2326.7	2293.3
50°	11732.7	8570.6	2416.4	2096.5	2365.5	2811.3	2867.6	2573.1	2354.8	2166.1	2132.6
52.5°	12552.0	8799.5	2133.9	1988.0	2281.2	2733.7	2819.4	2495.4	2234.4	2017.5	1981.3
55°	13125.0	8624.1	1906.4	1875.6	2171.4	2622.6	2752.4	2429.8	2061.7	1872.9	1840.8
57.5°	13234.7	8024.4	1733.7	1759.1	2038.9	2483.4	2649.4	2283.9	1967.9	1810.0	1776.5
60°	12934.9	7189.0	1605.1	1652.0	1897.0	2308.0	2456.6	2180.8	1878.2	1743.0	1714.9
62.5°	12181.2	6333.6	1510.1	1555.6	1764.5	2129.9	2336.1	2072.4	1787.2	1666.7	1638.6
65°	10659.0	5317.5	1419.1	1469.9	1641.3	1976.0	2227.7	1972.0	1697.5	1605.1	1578.4
67.5°	8045.8	3982.7	1333.4	1378.9	1531.5	1842.1	2109.8	1872.9	1610.5	1551.6	1519.5
70°	4737.8	2494.1	1235.7	1283.8	1416.4	1702.9	1984.0	1764.5	1502.1	1475.3	1433.8
72.5°	2204.9	1500.7	1124.5	1171.4	1271.8	1516.8	1822.0	1622.5	1373.5	1314.6	1258.4
75°	1316.0	1097.8	993.3	1034.8	1105.8	1318.7	1618.5	1478.0	1251.7	1174.1	1115.2
77.5°	984.0	839.4	848.8	892.9	950.5	1154.0	1433.8	1364.2	1158.0	1097.8	1057.6
80°	708.2	637.2	692.1	740.3	800.6	1049.6	1373.5	1261.1	1046.9	966.6	929.1
82.5°	472.6	457.8	520.8	570.3	629.2	918.4	1290.5	1104.5	894.3	792.5	709.5
85°	261.1	275.8	350.7	372.2	423.0	646.6	1057.6	887.6	673.4	542.2	518.1
87.5°	108.4	127.2	188.8	182.1	224.9	385.6	696.1	535.5	428.4	320.0	249.0
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)