

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: P320910

Luminaire Tested: **GAN-SA6A-730-U-AFL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320910  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-730-U-AFL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26040 lumens  
Efficiency: N/A  
Efficacy: 134.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

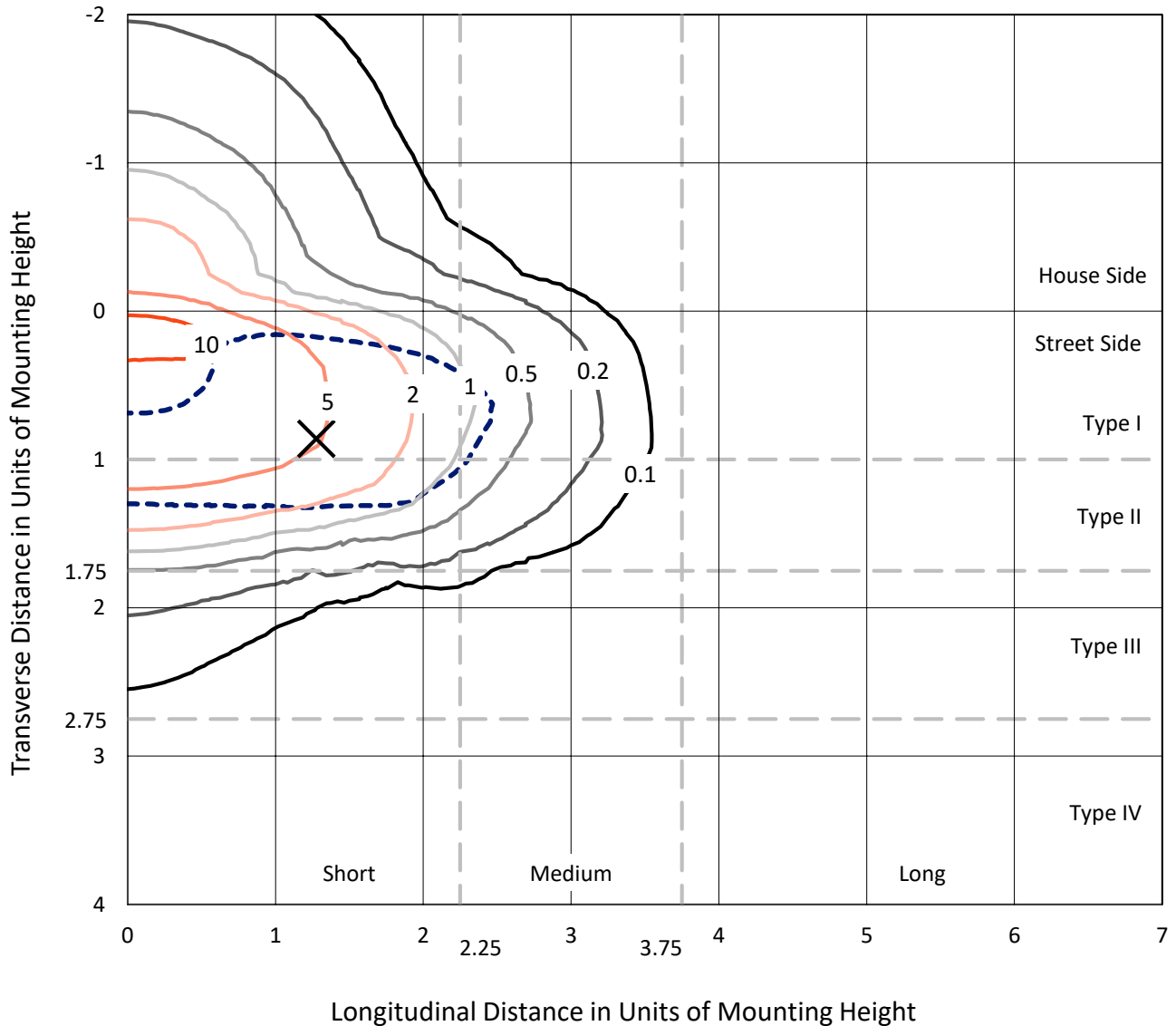
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

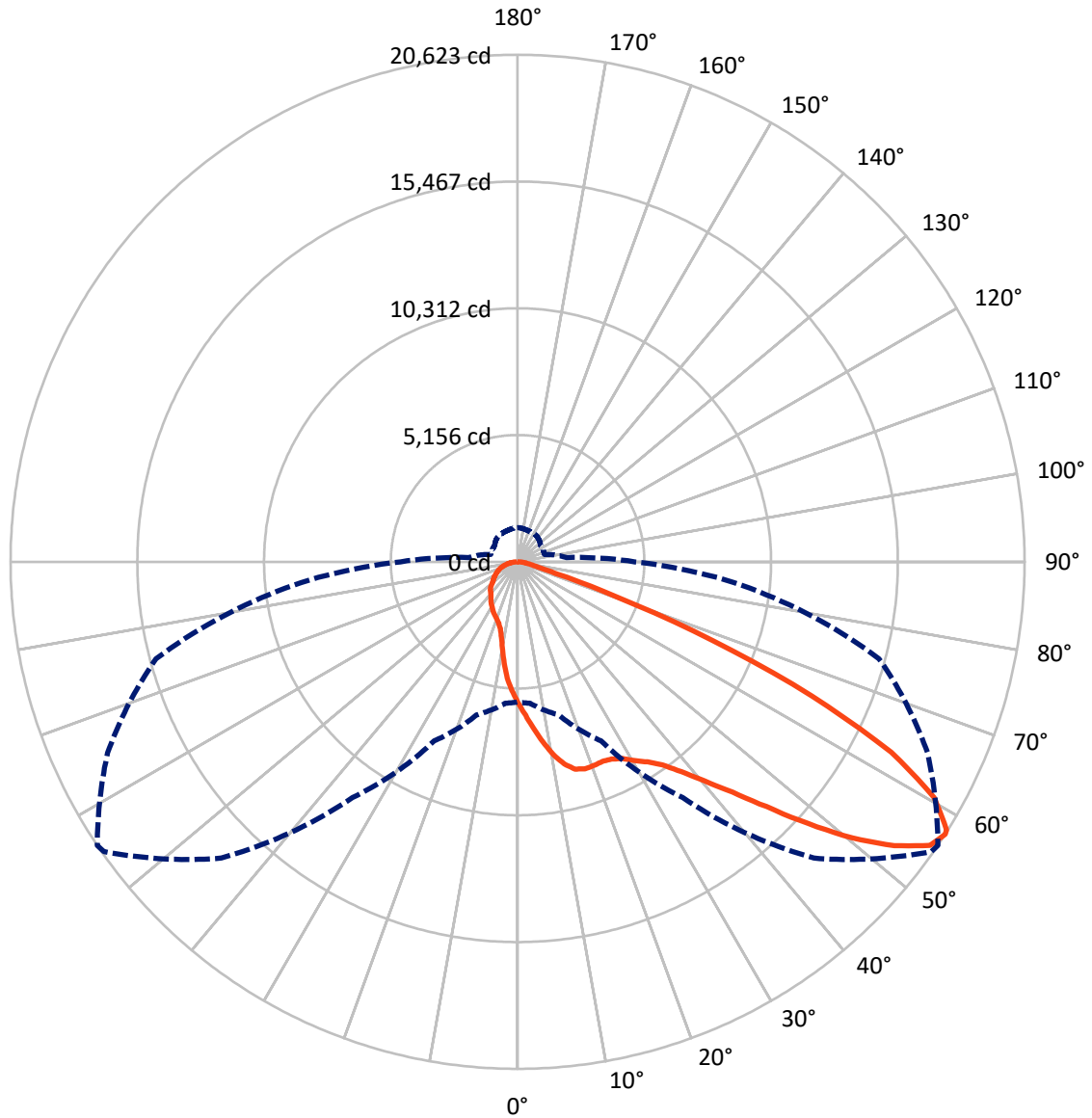
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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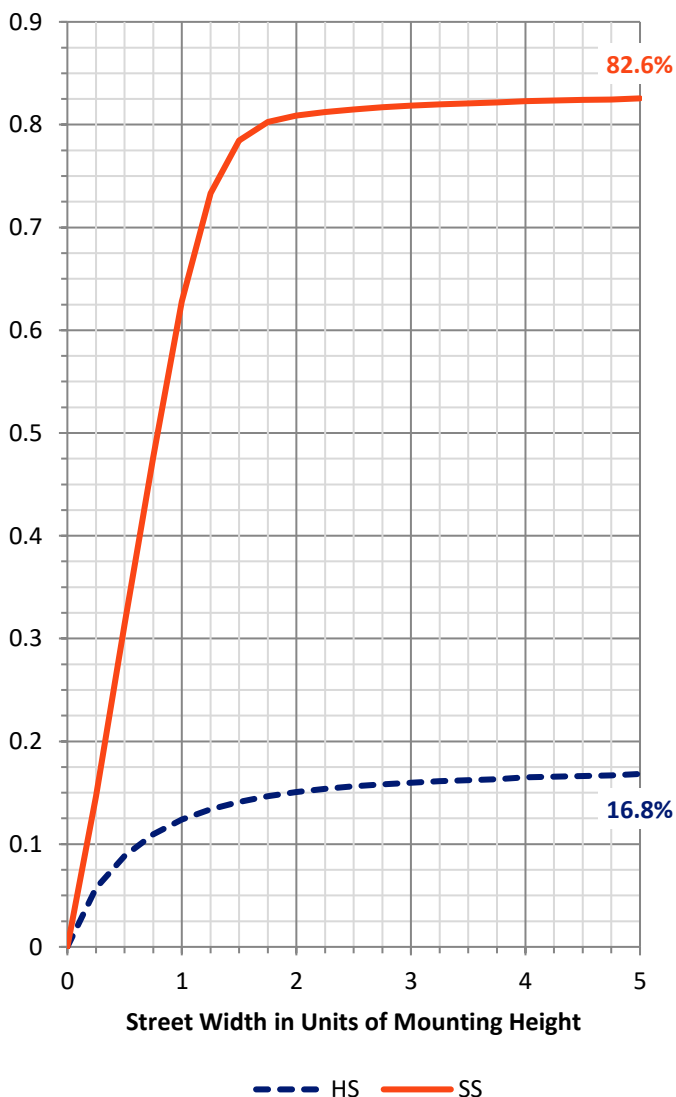
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4488.7	0.0	4488.7
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	21551.3	0.0	21551.3
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	26040.0	0.0	26040.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	551.7	2.1
10°-20°	1559.8	6.0
20°-30°	2540.7	9.8
30°-40°	3798.1	14.6
40°-50°	5760.9	22.1
50°-60°	6456.9	24.8
60°-70°	3813.7	14.6
70°-80°	1249.5	4.8
80°-90°	308.7	1.2
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°	26040.0	100.0
0°-180°	26040.0	100.0

**Coefficient of Utilization**

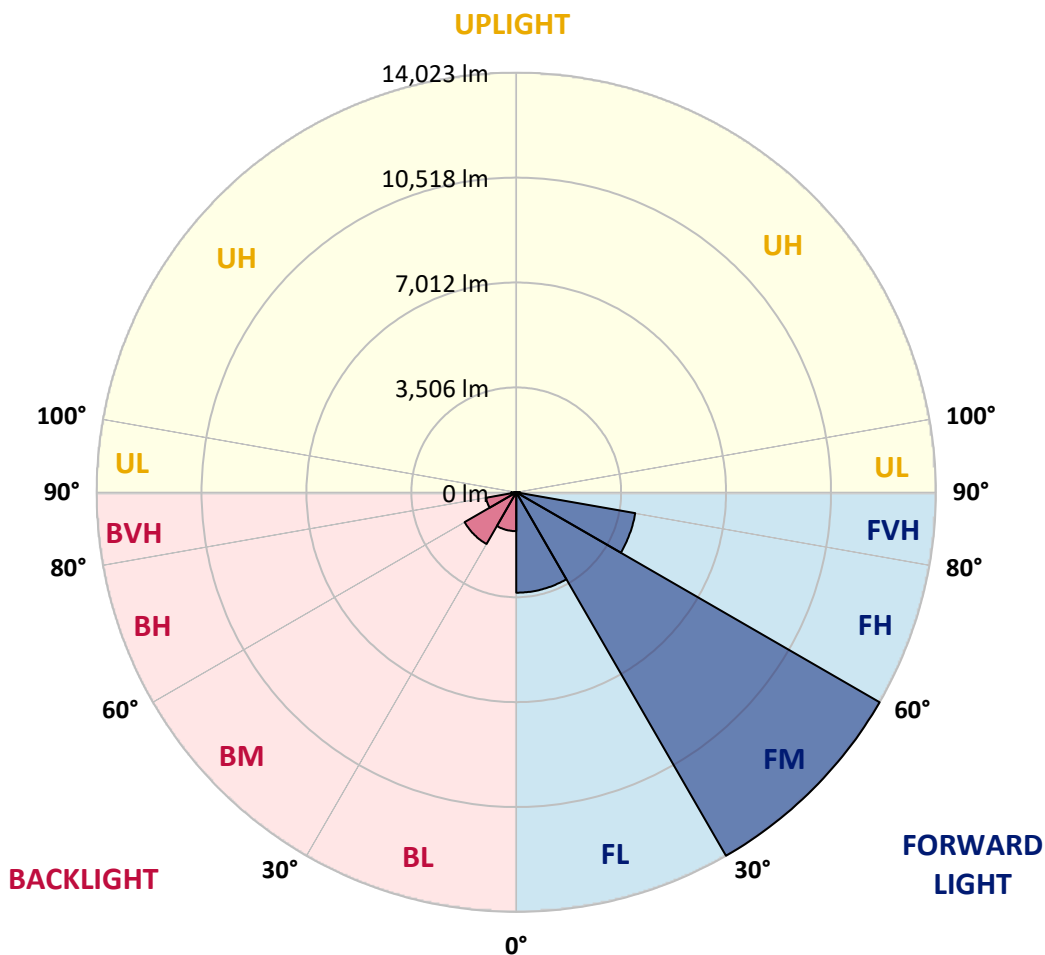


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3354.3	12.9			
FM (30°-60°)	14023.4	53.9			
FH (60°-80°)	4037.6	15.5			G2/5000
FVH (80°-90°)	135.9	0.5			G2/225
BL (0°-30°)	1297.9	5.0	B3/2500		
BM (30°-60°)	1992.4	7.7	B2/2500		
BH (60°-80°)	1025.6	3.9	B3/2500		G3/2500
BVH (80°-90°)	172.8	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7
2.5°	6632.1	6693.0	6666.1	6573.1	6501.5	6400.3	6287.6	6253.6	6134.6	6001.2	5841.0
5°	7681.8	7651.4	7607.6	7462.6	7309.6	7131.5	6848.7	6803.9	6539.0	6237.5	5918.9
7.5°	8279.6	8276.9	8251.0	8166.0	8026.4	7793.7	7452.7	7399.9	6999.9	6514.9	6020.9
10°	8192.8	8186.6	8229.5	8318.1	8360.2	8311.8	8024.6	7971.8	7480.5	6821.8	6139.0
12.5°	7699.7	7703.3	7772.2	7958.4	8211.6	8515.9	8469.3	8443.4	7978.9	7169.1	6282.2
15°	7315.8	7323.9	7378.5	7540.4	7839.3	8391.5	8739.6	8748.6	8461.3	7552.1	6449.6
17.5°	7147.6	7164.6	7189.6	7303.3	7577.1	8143.6	8804.0	8852.4	8883.7	7949.4	6610.6
20°	7201.3	7217.4	7224.5	7297.0	7521.6	7993.3	8759.3	8846.1	9207.6	8323.5	6771.7
22.5°	7442.0	7451.8	7456.3	7475.1	7649.6	8036.2	8729.8	8821.0	9442.1	8659.1	6893.4
25°	7841.1	7834.0	7805.3	7781.2	7898.4	8206.2	8797.8	8884.6	9632.7	8963.3	6973.1
27.5°	8319.0	8310.1	8254.6	8188.4	8255.5	8471.1	8993.8	9062.7	9803.6	9247.9	7013.3
30°	8892.6	8869.4	8764.7	8685.9	8711.9	8868.5	9316.8	9379.5	10067.6	9571.0	7052.7
32.5°	9555.8	9530.7	9379.5	9248.8	9248.8	9379.5	9649.7	9701.6	10291.4	9936.1	7116.3
35°	10386.2	10354.9	10158.0	9938.8	9877.0	9943.3	10103.4	10140.1	10694.1	10396.1	7231.7
37.5°	11365.3	11323.2	11068.1	10774.6	10639.5	10635.9	10751.3	10826.5	11337.5	11000.1	7427.7
40°	12347.0	12317.4	12094.6	11863.7	11598.8	11513.8	11691.9	11715.2	12178.7	11750.1	7678.3
42.5°	13105.8	13100.5	13059.3	13089.7	12818.6	12646.8	12786.4	12805.1	13206.1	12561.7	7944.9
45°	13506.8	13515.7	13715.3	14157.3	14257.6	14132.3	14201.2	14206.6	14380.2	13380.6	8189.2
47.5°	13185.5	13232.0	13736.7	14725.6	15546.2	15962.4	15847.8	15914.0	15518.5	14084.0	8380.8
50°	11933.5	11990.8	12849.9	14472.4	16147.6	17733.4	17673.4	17658.2	16436.7	14599.4	8484.6
52.5°	10382.6	10427.4	11136.2	13156.0	15706.4	18712.4	19262.8	19184.0	17252.8	14985.1	8504.3
55°	8021.0	8090.8	8770.0	10528.5	13922.0	18338.3	20431.5	20360.8	17996.5	15187.4	8481.0
57°	5702.3	5775.7	6450.5	8035.3	11711.6	17043.4	20547.8	20623.0	18398.3	15221.4	8506.9
57.5°	5088.4	5163.6	5832.1	7371.3	11022.5	16575.4	20447.6	20572.9	18470.8	15216.0	8521.3
60°	2562.1	2590.7	3016.7	4114.8	6967.7	13400.3	19140.2	19463.2	18536.1	14952.9	8583.0
62.5°	1592.9	1572.3	1558.9	1895.4	3389.9	8886.4	16442.0	17064.0	17285.9	14315.7	8433.6
65°	1400.5	1362.0	1214.4	1187.5	1497.2	4316.1	12381.9	13156.0	14614.6	13311.7	8077.4
67.5°	1315.5	1277.9	1111.5	1011.2	1012.1	1711.1	7687.2	8558.8	11384.9	11614.0	7237.1
70°	1227.8	1193.8	1038.1	920.0	861.8	947.7	3536.7	4198.0	7421.4	9128.9	6048.6
72.5°	1115.0	1091.8	944.1	822.4	760.7	709.7	1354.0	1599.2	4296.4	6131.0	4200.7
75°	996.9	975.4	849.3	732.9	657.8	558.4	762.5	821.5	2182.7	3136.6	2068.1
77.5°	867.2	854.6	755.3	647.9	588.0	462.7	539.6	568.3	936.1	1345.0	1037.2
80°	690.0	714.1	660.4	577.2	521.7	370.5	382.1	400.9	545.0	656.9	588.8
82.5°	449.2	491.3	517.3	468.9	429.6	291.7	274.7	282.8	355.3	400.9	255.9
85°	187.0	210.3	340.1	307.0	285.5	213.0	184.3	187.9	220.1	228.2	104.7
87.5°	83.2	88.6	149.4	140.5	120.8	73.4	78.8	85.9	117.2	111.0	40.3
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°	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7
2.5°	5781.1	5705.9	5577.0	5434.7	5318.4	5225.3	5131.4	5066.9	4991.8	4951.5	4930.9
5°	5785.5	5637.9	5366.7	5088.4	4839.6	4612.3	4395.8	4229.3	4073.6	3989.5	3966.2
7.5°	5804.3	5582.4	5143.9	4685.7	4243.6	3840.0	3528.6	3333.5	3193.0	3130.4	3112.5
10°	5819.5	5517.1	4868.3	4189.9	3588.6	3179.6	2938.0	2828.8	2780.5	2772.4	2764.4
12.5°	5855.3	5450.0	4578.3	3672.7	3079.4	2796.6	2712.4	2705.3	2718.7	2738.4	2738.4
15°	5911.7	5383.7	4247.2	3228.8	2755.4	2656.1	2673.1	2712.4	2749.1	2779.6	2784.0
17.5°	5952.9	5302.3	3891.0	2873.5	2582.7	2609.5	2670.4	2725.9	2763.5	2793.0	2795.7
20°	5982.4	5176.1	3510.7	2602.4	2483.4	2566.6	2642.6	2691.9	2717.8	2747.3	2751.8
22.5°	5967.2	5007.0	3173.3	2408.2	2402.8	2503.9	2576.4	2635.5	2615.8	2587.2	2606.0
25°	5893.8	4774.3	2826.1	2263.2	2317.8	2419.8	2509.3	2469.9	2403.7	2391.2	2398.3
27.5°	5763.2	4477.2	2504.8	2129.0	2219.4	2342.0	2336.6	2297.2	2273.9	2257.8	2267.7
30°	5622.7	4155.0	2223.8	2011.7	2110.2	2211.3	2190.7	2189.8	2166.6	2140.6	2153.1
32.5°	5484.0	3831.1	2001.0	1915.1	2027.8	2041.3	2086.0	2099.4	2053.8	1999.2	1995.6
35°	5363.1	3525.0	1831.9	1827.4	1928.5	1930.3	1995.6	1976.8	1863.2	1806.8	1806.8
37.5°	5272.8	3219.9	1703.0	1748.6	1797.9	1844.4	1877.5	1799.6	1780.9	1749.5	1748.6
40°	5233.4	2951.4	1622.5	1688.7	1705.7	1764.7	1679.7	1710.2	1719.1	1703.0	1703.0
42.5°	5192.2	2717.8	1552.7	1643.0	1640.4	1632.3	1589.3	1628.7	1664.5	1665.4	1662.7
45°	5151.1	2516.5	1490.9	1545.5	1583.1	1496.3	1504.3	1546.4	1596.5	1614.4	1614.4
47.5°	5105.4	2357.2	1434.5	1442.6	1500.8	1442.6	1436.3	1468.5	1527.6	1556.2	1562.5
50°	5005.2	2214.0	1370.1	1352.2	1368.3	1388.0	1393.4	1408.6	1473.9	1519.5	1530.3
52.5°	4866.5	2086.0	1287.8	1269.0	1269.0	1343.2	1368.3	1372.8	1428.3	1482.9	1493.6
55°	4751.0	2004.6	1202.7	1199.2	1195.6	1295.8	1338.8	1345.9	1384.4	1427.4	1432.7
57°	4759.1	1998.3	1137.4	1141.0	1140.1	1247.5	1311.0	1326.2	1345.9	1382.6	1388.9
57.5°	4763.6	2002.8	1123.1	1124.9	1124.0	1234.1	1303.0	1320.0	1335.2	1373.7	1379.9
60°	4830.7	2014.4	1064.9	1045.2	1049.7	1162.5	1257.3	1278.8	1288.7	1339.7	1347.7
62.5°	4731.3	1962.5	1018.4	971.0	971.0	1087.3	1193.8	1227.8	1243.0	1311.9	1325.3
65°	4443.2	1816.7	963.8	886.8	895.8	1012.1	1117.7	1173.2	1196.5	1282.4	1296.7
67.5°	3998.4	1647.5	905.6	811.7	820.6	933.4	1039.0	1098.9	1135.6	1250.2	1261.8
70°	3419.4	1440.8	826.9	732.0	742.8	847.5	945.9	1013.9	1068.5	1219.8	1223.3
72.5°	2520.9	1181.3	716.8	644.3	656.0	747.2	851.9	930.7	1004.1	1143.7	1141.9
75°	1499.0	923.5	595.1	555.7	563.8	648.8	766.9	862.7	972.8	1114.2	1131.2
77.5°	909.2	695.3	485.0	465.3	475.2	562.0	706.1	808.1	959.3	1050.6	1045.2
80°	549.5	496.7	387.5	375.0	384.8	480.6	653.3	766.9	838.5	897.6	897.6
82.5°	287.3	303.4	284.6	274.7	288.2	390.2	594.2	669.4	741.0	636.3	594.2
85°	117.2	158.4	172.7	171.8	179.9	270.3	512.8	572.7	477.9	453.7	464.5
87.5°	39.4	67.1	84.1	72.5	76.1	170.0	355.3	276.5	328.4	229.1	217.5
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)