

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: P317440

Luminaire Tested: **GAN-SA6B-740-U-T2R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317440  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-740-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35608 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

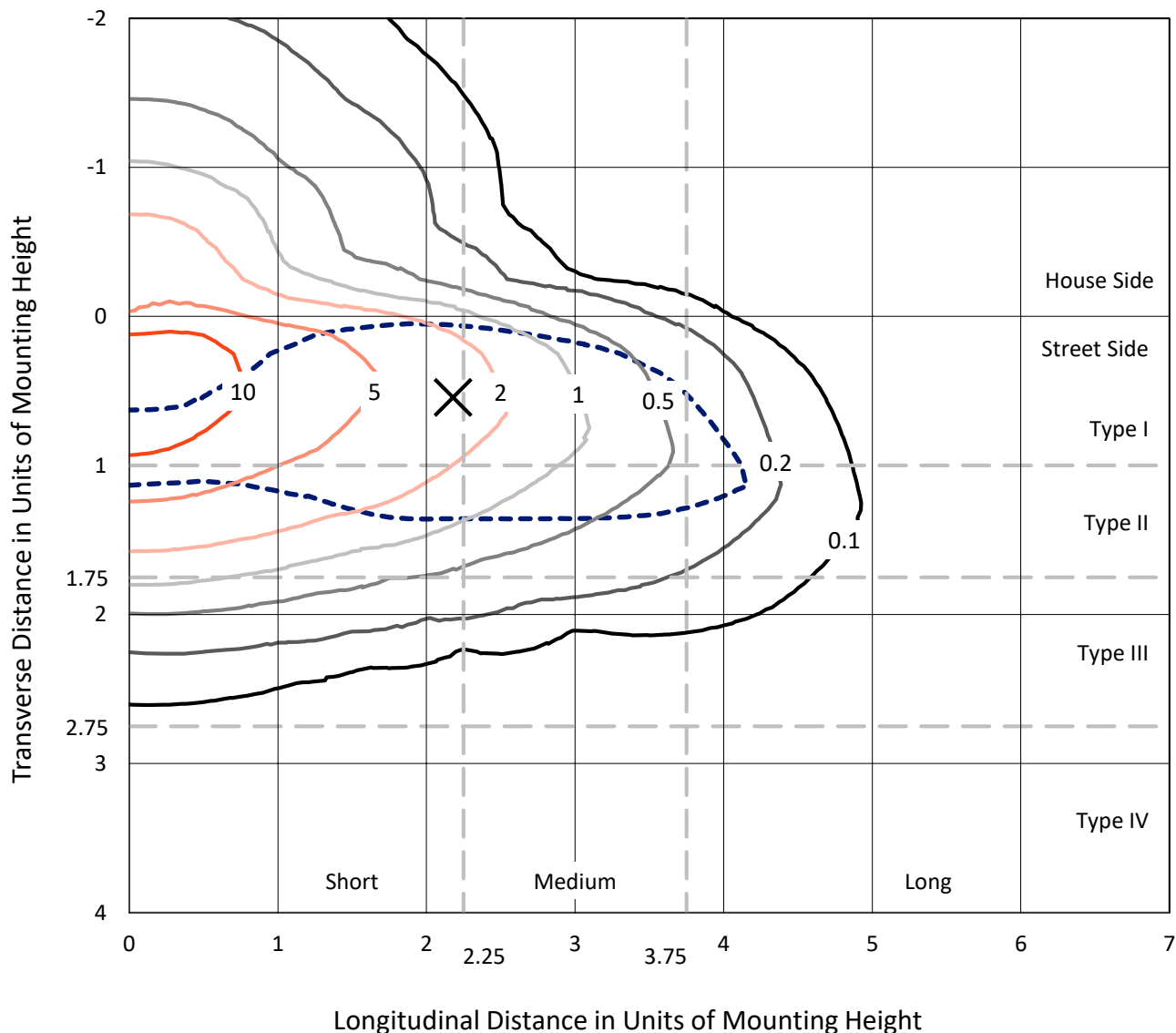
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

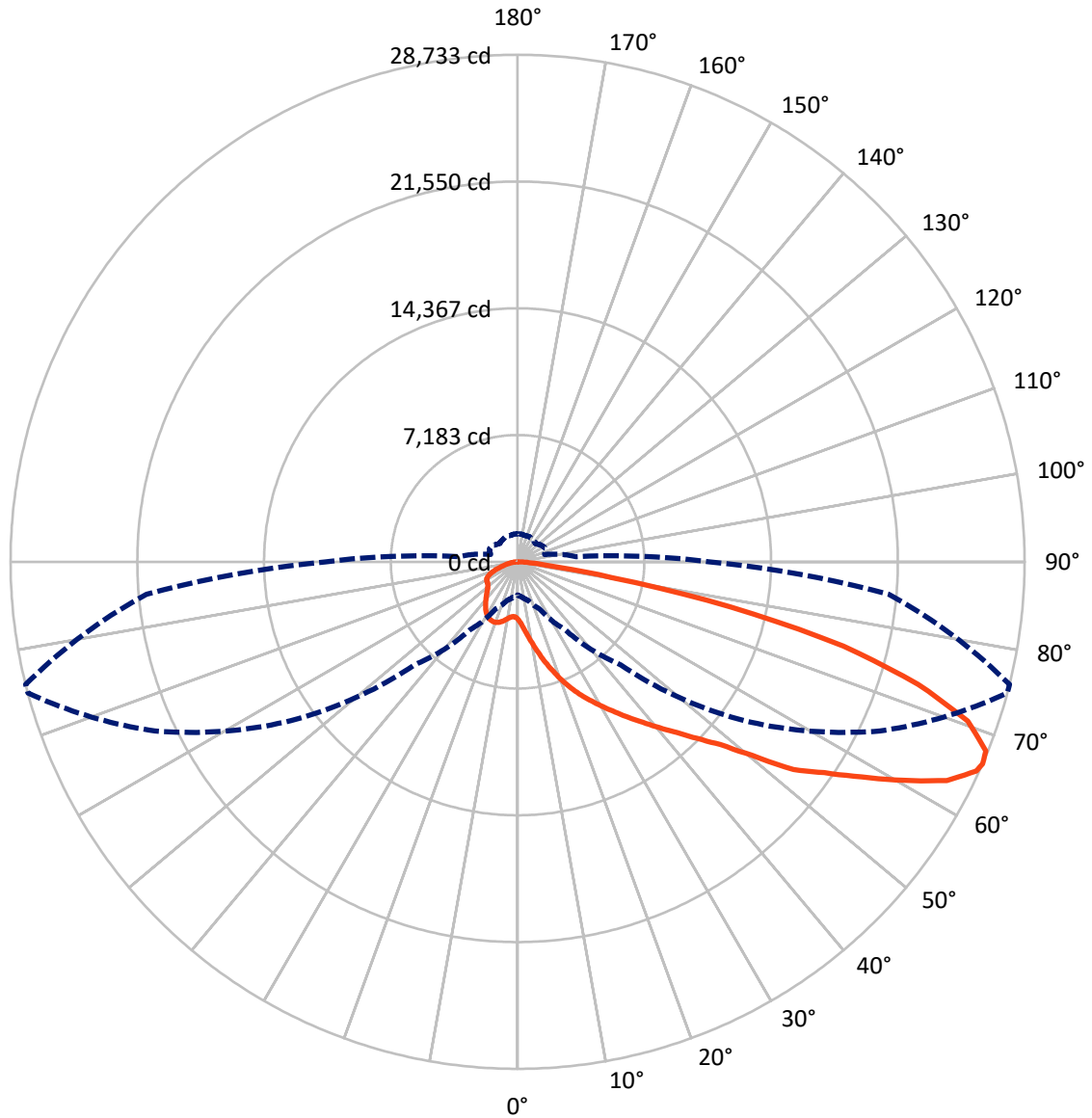
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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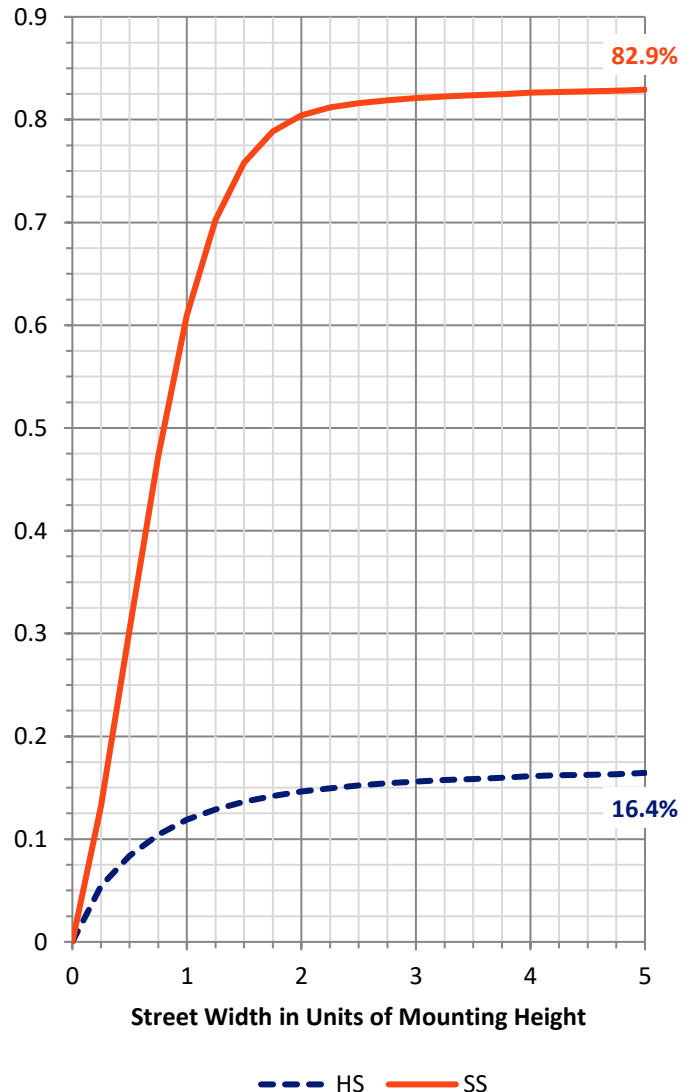
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5991.6	0.0	5991.6
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	29616.4	0.0	29616.4
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	35608.0	0.0	35608.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.2	1.1
10°-20°	1552.8	4.4
20°-30°	3017.6	8.5
30°-40°	4925.3	13.8
40°-50°	6729.2	18.9
50°-60°	7838.2	22.0
60°-70°	7027.0	19.7
70°-80°	3551.2	10.0
80°-90°	573.5	1.6
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°	35608.0	100.0
0°-180°	35608.0	100.0

**Coefficient of Utilization**



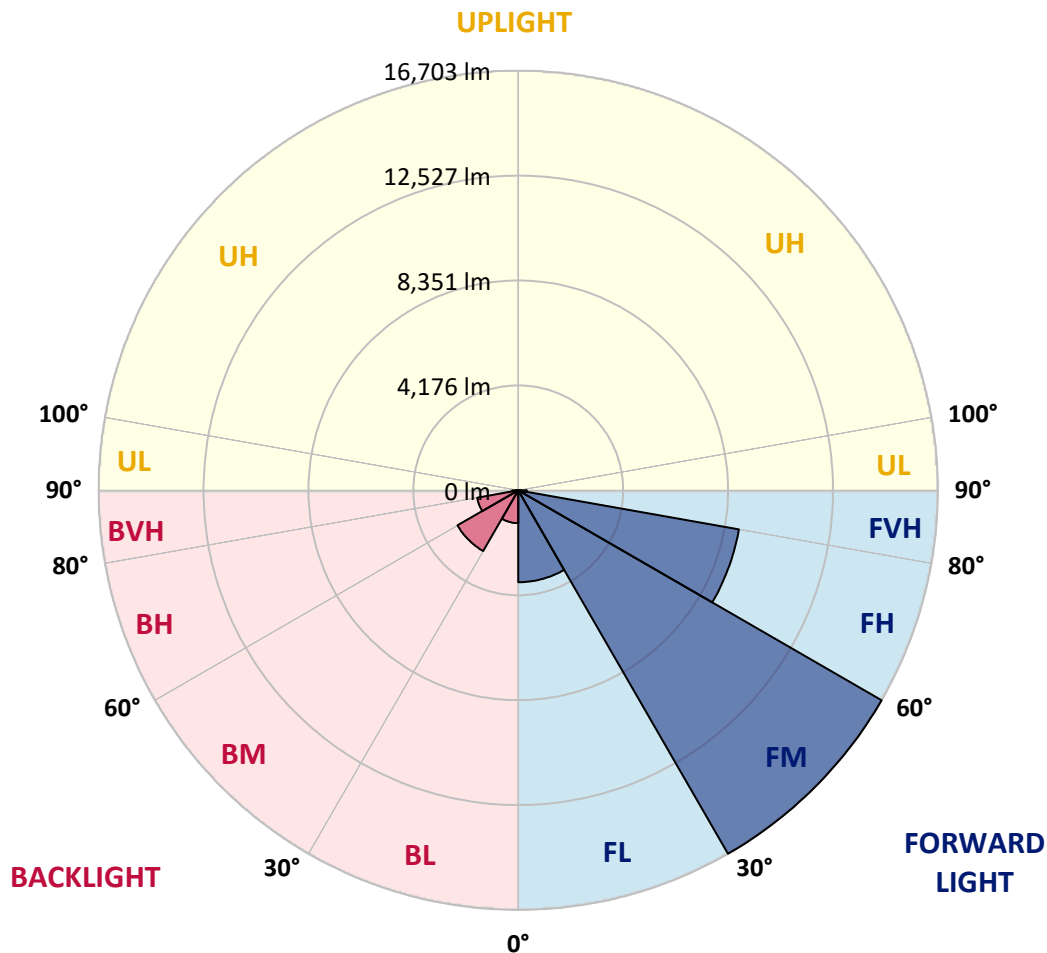
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3656.8	10.3			
FM (30°-60°)	16702.6	46.9			
FH (60°-80°)	8918.3	25.0			G4/12000
FVH (80°-90°)	338.7	1.0			G3/500
BL (0°-30°)	1306.8	3.7	B3/2500		
BM (30°-60°)	2790.1	7.8	B3/5000		
BH (60°-80°)	1660.0	4.7	B3/2500		G3/2500
BVH (80°-90°)	234.8	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8
2.5°	4316.8	4251.5	4245.5	4150.0	4128.2	3945.7	3811.5	3671.3	3511.7	3480.3	3354.6
5°	5545.0	5539.0	5455.6	5299.6	5177.5	4865.6	4557.4	4231.0	3873.2	3815.1	3532.3
7.5°	6649.9	6640.2	6576.2	6408.1	6231.6	5848.4	5408.4	4907.9	4327.7	4241.9	3772.8
10°	7488.8	7485.2	7463.5	7340.2	7190.3	6822.8	6336.8	5653.8	4856.0	4738.7	4073.8
12.5°	8136.8	8144.0	8158.5	8115.0	8043.7	7730.6	7232.6	6444.4	5419.3	5303.2	4408.7
15°	8575.6	8597.4	8672.3	8734.0	8771.4	8579.2	8096.9	7253.1	6050.3	5911.3	4779.8
17.5°	8796.8	8821.0	8950.3	9136.5	9308.2	9288.8	8905.6	8024.4	6655.9	6521.8	5178.7
20°	8987.8	9006.0	9151.0	9374.7	9678.1	9812.3	9597.1	8766.6	7319.6	7160.0	5601.8
22.5°	9541.5	9564.4	9608.0	9734.9	10003.3	10249.9	10145.9	9468.9	7927.7	7779.0	6003.2
25°	10610.1	10637.9	10543.6	10436.0	10486.8	10658.5	10677.8	10109.6	8544.2	8376.1	6434.7
27.5°	11897.5	11937.4	11776.6	11499.8	11258.0	11191.6	11168.6	10634.3	9132.9	8938.3	6861.4
30°	13158.4	13227.3	13018.1	12659.1	12215.5	11903.6	11672.7	11148.0	9713.1	9527.0	7264.0
32.5°	14390.2	14362.4	14059.0	13708.4	13188.6	12798.1	12239.6	11699.3	10365.9	10151.9	7664.1
35°	15234.0	15243.6	14962.0	14546.1	14050.5	13750.7	12998.8	12294.0	11032.0	10834.9	8118.7
37.5°	15952.0	15907.3	15588.2	15200.1	14773.4	14645.2	13887.3	12949.2	11753.7	11538.5	8602.2
40°	16191.4	16139.4	15930.3	15651.0	15308.9	15298.0	14867.7	13691.5	12569.6	12356.9	9147.4
42.5°	16046.3	15979.8	15894.0	15817.8	15712.7	15761.0	15788.8	14561.8	13466.6	13228.5	9778.4
45°	15510.8	15410.5	15470.9	15636.5	15865.0	16138.2	16620.5	15525.3	14471.2	14271.7	10519.4
47.5°	14687.6	14596.9	14785.5	15139.7	15761.0	16452.5	17407.5	16589.1	15670.4	15472.1	11574.8
50°	13529.5	13556.1	13825.6	14470.0	15409.2	16597.5	18377.0	17997.4	17413.5	17228.6	13014.5
52.5°	11629.2	11634.0	12393.2	13450.9	14785.5	16522.6	18914.9	19797.4	19793.8	19570.1	14385.3
55°	9864.2	9971.8	10572.6	11978.5	13774.9	16222.8	19290.9	20672.6	21356.8	21094.5	15663.1
57.5°	8140.4	8203.3	8772.6	10184.6	12332.7	15423.8	19676.5	21723.1	23158.0	22992.4	17251.5
60°	6179.7	6276.4	6865.1	8169.4	10488.0	14005.8	19712.8	22819.5	25311.0	25144.1	19024.9
62.5°	4011.0	4177.8	4729.0	5951.2	8256.5	11966.4	18871.4	23536.4	27351.5	27292.3	20598.8
65°	2305.3	2431.0	2814.2	3757.1	5696.1	9406.1	16870.7	23260.7	28607.5	28573.6	21187.6
66°	1883.4	1962.0	2255.7	2936.3	4700.0	8260.1	15707.8	22679.3	28732.0	28733.2	21119.9
67.5°	1506.2	1541.3	1673.1	2102.2	3468.2	6547.1	13629.8	21396.7	28577.3	28619.6	20683.5
70°	1246.3	1264.5	1305.6	1409.5	1893.1	3948.1	9674.4	18063.9	27023.9	27056.5	18980.2
72.5°	1118.2	1129.1	1144.8	1159.3	1335.8	2206.2	5908.9	14450.6	23693.5	23735.8	16384.8
75°	1013.0	1019.1	1016.6	1017.9	1120.6	1405.9	3053.6	10789.0	19157.9	19073.3	12551.5
77.5°	889.7	895.8	883.7	886.1	991.3	1080.7	1519.5	7552.9	12928.7	12331.5	7071.8
80°	751.9	756.7	751.9	760.4	863.1	816.0	883.7	4249.1	5716.7	5407.2	2514.4
82.5°	568.2	588.7	603.2	637.1	710.8	580.2	591.1	1654.9	1740.7	1657.3	771.2
85°	249.0	303.4	454.5	487.2	534.3	348.1	388.0	674.5	708.4	686.6	280.5
87.5°	65.3	71.3	224.8	282.9	296.2	157.2	201.9	307.0	324.0	307.0	93.1
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°	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8	3251.8
2.5°	3288.1	3228.8	3122.5	3028.2	2956.9	2908.5	2860.1	2836.0	2821.5	2807.0	2809.4
5°	3393.2	3273.6	3091.0	2961.7	2889.2	2843.2	2819.0	2809.4	2803.3	2788.8	2788.8
7.5°	3551.6	3382.4	3130.9	2998.0	2941.1	2906.1	2891.6	2886.7	2879.5	2862.6	2865.0
10°	3751.1	3514.1	3214.3	3085.0	3033.0	2994.3	2973.8	2966.5	2953.2	2933.9	2936.3
12.5°	3985.6	3677.3	3324.3	3189.0	3126.1	3074.1	3040.3	3019.7	2996.7	2971.4	2972.6
15°	4241.9	3855.0	3442.8	3282.0	3196.2	3123.7	3069.3	3034.2	2998.0	2966.5	2965.3
17.5°	4501.8	4026.7	3533.5	3332.8	3216.8	3121.3	3047.5	2993.1	2948.4	2909.7	2906.1
20°	4782.2	4181.4	3584.2	3328.0	3178.1	3064.4	2966.5	2898.8	2849.3	2810.6	2804.5
22.5°	5067.5	4326.5	3592.7	3278.4	3092.2	2953.2	2850.5	2775.5	2724.8	2684.9	2670.4
25°	5328.6	4438.9	3557.7	3182.9	2972.6	2822.7	2722.3	2646.2	2605.1	2557.9	2543.4
27.5°	5566.8	4517.5	3487.5	3060.8	2838.4	2690.9	2596.6	2531.3	2486.6	2450.3	2438.3
30°	5780.7	4559.8	3372.7	2915.8	2700.6	2566.4	2486.6	2441.9	2403.2	2357.3	2348.8
32.5°	5983.8	4559.8	3225.2	2757.4	2564.0	2456.4	2409.2	2381.4	2337.9	2293.2	2281.1
35°	6186.9	4532.0	3051.1	2591.8	2438.3	2377.8	2375.4	2342.8	2276.3	2215.8	2200.1
37.5°	6400.9	4475.2	2855.3	2437.0	2335.5	2342.8	2363.3	2290.8	2196.5	2110.7	2087.7
40°	6642.6	4396.6	2652.2	2302.9	2249.7	2327.0	2330.7	2215.8	2032.1	1953.5	1933.0
42.5°	6926.7	4318.0	2463.6	2184.4	2182.0	2279.9	2269.0	2053.8	1943.8	1903.9	1893.1
45°	7300.3	4273.3	2284.7	2072.0	2128.8	2203.7	2163.8	1964.4	1918.4	1895.5	1885.8
47.5°	7889.0	4296.3	2120.3	1982.5	2075.6	2127.6	1968.0	1928.1	1895.5	1867.7	1858.0
50°	8626.4	4283.0	1987.4	1920.9	2015.2	2047.8	1879.8	1881.0	1864.1	1832.6	1818.1
52.5°	9181.2	4179.0	1901.5	1885.8	1962.0	1906.4	1824.2	1835.0	1826.6	1780.6	1764.9
55°	9716.8	4089.5	1858.0	1872.5	1923.3	1729.9	1758.9	1785.5	1777.0	1732.3	1725.0
57.5°	10382.8	4072.6	1831.4	1876.1	1890.6	1641.6	1696.0	1731.1	1725.0	1705.7	1702.1
60°	11198.8	4077.5	1807.2	1882.2	1854.4	1576.3	1636.8	1681.5	1685.1	1681.5	1679.1
62.5°	11647.3	3945.7	1746.8	1865.3	1790.3	1519.5	1575.1	1640.4	1641.6	1648.9	1647.7
65°	11266.5	3551.6	1634.4	1806.0	1682.7	1472.4	1521.9	1593.3	1575.1	1607.8	1607.8
66°	10896.6	3324.3	1578.8	1767.3	1636.8	1454.2	1505.0	1569.1	1546.1	1590.9	1590.9
67.5°	10141.1	2941.1	1478.4	1685.1	1571.5	1428.9	1485.7	1529.2	1497.8	1564.3	1559.4
70°	8760.6	2275.1	1276.5	1499.0	1463.9	1391.4	1459.1	1449.4	1403.5	1505.0	1485.7
72.5°	7386.1	1728.7	1025.1	1254.8	1300.7	1344.2	1421.6	1347.9	1289.8	1361.2	1318.9
75°	5731.2	1299.5	809.9	975.5	1098.8	1270.5	1376.9	1230.6	1147.2	1139.9	1117.0
77.5°	3098.3	892.1	641.9	744.7	872.8	1178.6	1346.7	1104.9	979.2	950.2	932.0
80°	1227.0	580.2	466.6	564.5	610.5	1045.7	1274.1	958.6	807.5	778.5	750.7
82.5°	506.5	343.3	301.0	378.4	397.7	894.6	1143.6	785.8	623.8	863.1	916.3
85°	217.6	188.6	178.9	195.8	224.8	627.4	910.3	599.6	673.3	600.8	477.5
87.5°	65.3	79.8	76.2	74.9	82.2	149.9	484.7	333.6	494.4	187.4	140.2
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)